

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050120\
 Data File : VY002524.D
 Acq On : 01 May 2020 13:15
 Operator : SY/MD
 Sample : VY0501SBSD01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:19:17 PM

Quant Time: May 01 19:27:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 01 17:41:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	375799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	560373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	498321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	256230	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	156092	49.40	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.73	113	161289	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.18	98	643100	51.39	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.48	95	212254	49.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.91	85	48706	16.910	ug/l	96
3) Chloromethane	2.12	50	58281	19.142	ug/l	98
4) Vinyl Chloride	2.26	62	68091	19.368	ug/l	98
5) Bromomethane	2.65	94	45303	18.686	ug/l	100
6) Chloroethane	2.80	64	40985	19.524	ug/l	96
7) Trichlorofluoromethane	3.13	101	106455	19.538	ug/l	98
8) Diethyl Ether	3.54	74	34466	18.823	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	64493	19.367	ug/l	98
10) Methyl Iodide	4.10	142	85805	18.913	ug/l	99
11) Tert butyl alcohol	4.97	59	30445	93.652	ug/l	97
12) 1,1-Dichloroethene	3.88	96	63567	19.649	ug/l	98
13) Acrolein	3.74	56	19267	85.708	ug/l	95
14) Allyl chloride	4.49	41	92380	19.599	ug/l	99
15) Acrylonitrile	5.18	53	81877	94.821	ug/l	100
16) Acetone	3.96	43	62020	95.107	ug/l	99
17) Carbon Disulfide	4.21	76	177654	18.254	ug/l	100
18) Methyl Acetate	4.49	43	40719	18.688	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	161949	19.188	ug/l	96
20) Methylene Chloride	4.73	84	75663	20.748	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	70141	19.837	ug/l	93
22) Diisopropyl ether	6.13	45	192336	20.167	ug/l	97
23) Vinyl Acetate	6.08	43	579787	96.664	ug/l	99
24) 1,1-Dichloroethane	6.03	63	112995	20.027	ug/l	99
25) 2-Butanone	7.00	43	99601	93.306	ug/l	96
26) 2,2-Dichloropropane	6.99	77	107442	20.034	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	77877	19.905	ug/l	99
28) Bromochloromethane	7.35	49	45892	19.852	ug/l	99
29) Tetrahydrofuran	7.36	42	64639	91.524	ug/l	100
30) Chloroform	7.52	83	117453	20.020	ug/l	98
31) Cyclohexane	7.80	56	110930	19.532	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	108505	19.899	ug/l	99
36) 1,1-Dichloropropene	7.93	75	92410	19.671	ug/l	99
37) Ethyl Acetate	7.09	43	44098	18.267	ug/l	99
38) Carbon Tetrachloride	7.91	117	99946	19.488	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	119160	19.205	ug/l	99
40) Benzene	8.17	78	267779	19.736	ug/l	96
41) Methacrylonitrile	7.34	41	28480m	21.253	ug/l	
42) 1,2-Dichloroethane	8.25	62	73411	19.289	ug/l	98
43) Isopropyl Acetate	8.28	43	83858	18.530	ug/l	98
44) Trichloroethene	8.95	130	82553	19.469	ug/l	99
45) 1,2-Dichloropropane	9.22	63	65418	19.978	ug/l	100
46) Dibromomethane	9.31	93	37158	19.723	ug/l	98
47) Bromodichloromethane	9.50	83	90036	19.654	ug/l	99
48) Methyl methacrylate	9.30	41	38398	18.748	ug/l	99
49) 1,4-Dioxane	9.30	88	9370	375.622	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	219139	93.944	ug/l	100
52) Toluene	10.25	92	174760	20.042	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	92317	19.233	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	106791	19.246	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	53454	19.456	ug/l	99
56) Ethyl methacrylate	10.51	69	68999	18.878	ug/l	98
57) 1,3-Dichloropropane	10.80	76	89865	19.287	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	183808	95.363	ug/l	100
59) 2-Hexanone	10.83	43	146551	91.281	ug/l	100
60) Dibromochloromethane	10.99	129	68209	19.520	ug/l	99
61) 1,2-Dibromoethane	11.09	107	51668	18.992	ug/l	99
64) Tetrachloroethene	10.72	164	88902	20.079	ug/l	98
65) Chlorobenzene	11.52	112	189077	19.959	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	71401	20.305	ug/l	98
67) Ethyl Benzene	11.60	91	336202	20.204	ug/l	99
68) m/p-Xylenes	11.70	106	258885	40.209	ug/l	99
69) o-Xylene	12.03	106	121965	20.232	ug/l	99
70) Styrene	12.05	104	208590	20.240	ug/l	99
71) Bromoform	12.21	173	42319	19.390	ug/l #	99
73) Isopropylbenzene	12.33	105	336956	20.291	ug/l	100
74) N-amyl acetate	12.14	43	76174	19.069	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	51296	19.423	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	43416m	19.640	ug/l	
77) Bromobenzene	12.61	156	84030	20.254	ug/l	98
78) n-propylbenzene	12.67	91	394449	20.468	ug/l	99
79) 2-Chlorotoluene	12.75	91	215294	20.168	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	280324	20.365	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	21198	18.667	ug/l #	74
82) 4-Chlorotoluene	12.86	91	225907	20.147	ug/l	99
83) tert-Butylbenzene	13.08	119	249460	20.668	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	280565	20.451	ug/l	100
85) sec-Butylbenzene	13.25	105	345078	20.604	ug/l	100
86) p-Isopropyltoluene	13.37	119	321976	20.517	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	159280	20.284	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	157592	20.268	ug/l	99
89) n-Butylbenzene	13.70	91	292997	20.509	ug/l	100
90) Hexachloroethane	13.96	117	58580	20.498	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	140404	20.038	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9418	19.131	ug/l	97

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Manual Integrations
APPROVED

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QLast Update : Fri May 01 17:41:53 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	102638	20.176	ug/l	99
94) Hexachlorobutadiene	15.11	225	63140	20.678	ug/l	99
95) Naphthalene	15.23	128	178422	19.227	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	85314	19.756	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

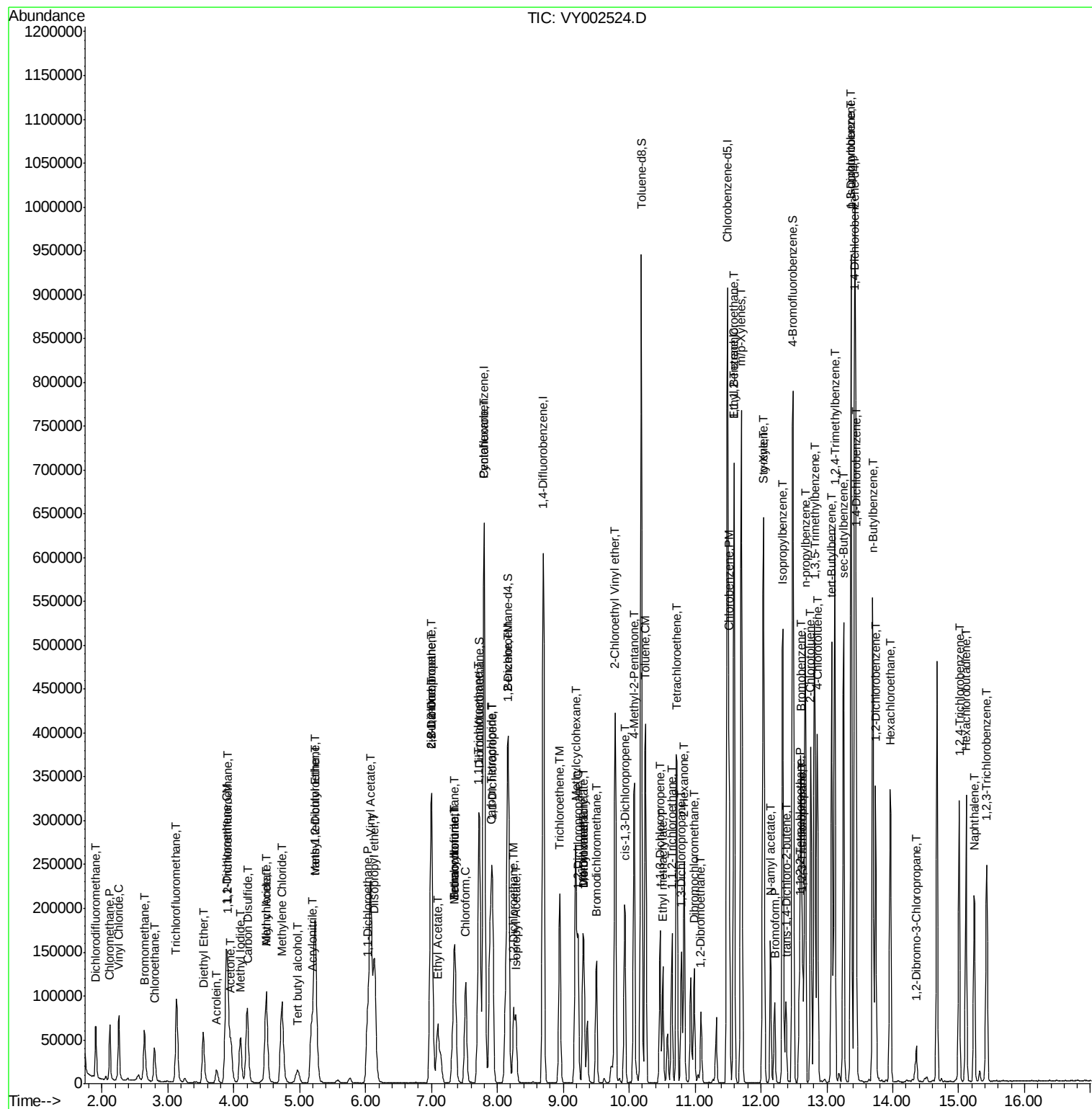
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Data File : VY002524.D
Acq On : 01 May 2020 13:15
Operator : SY/MD
Sample : VY0501SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
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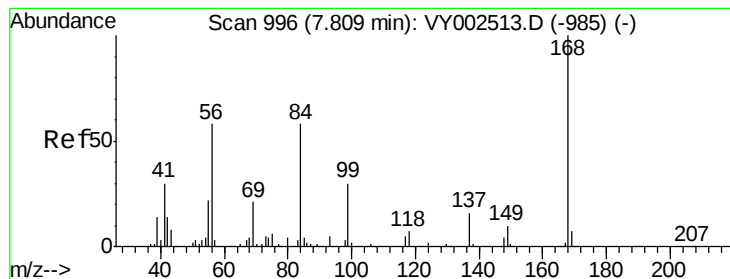
Instrument :
MSVOA_Y
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBSD01

Tot Ion:168 Resp: 375799

Ion Ratio Lower Upper

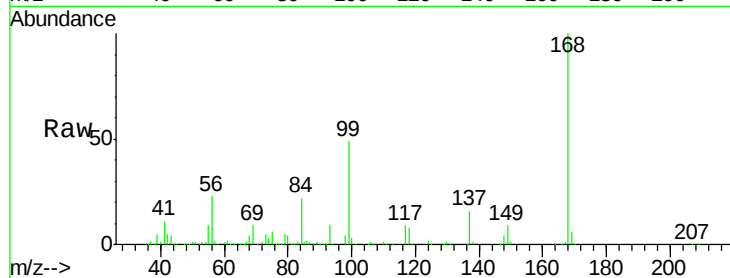
168 100

99 48.9 39.2 58.8

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

150000

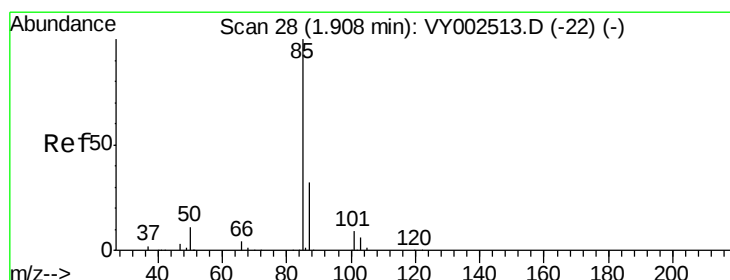
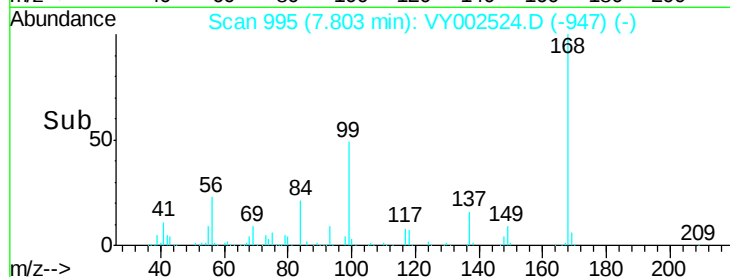
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 16.910 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002524.D

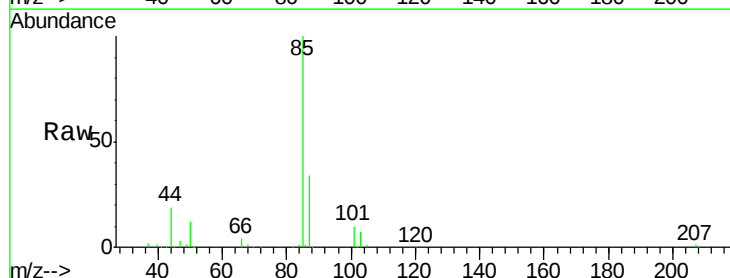
Acq: 01 May 2020 13:15

Tgt Ion: 85 Resp: 48706

Ion Ratio Lower Upper

85 100

87 34.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

30000

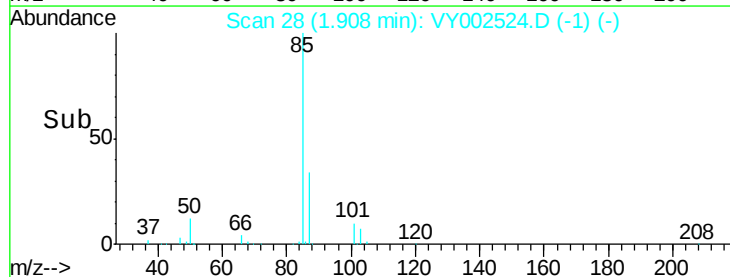
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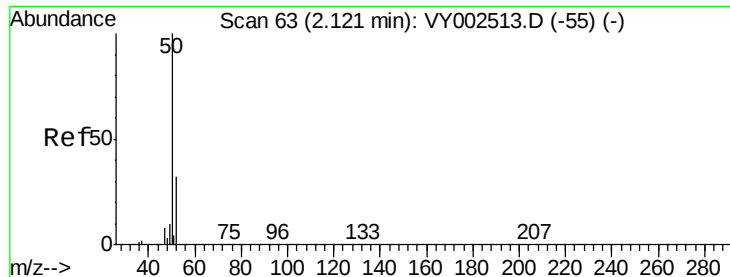
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0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 19.142 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBSD01

Tot Ion: 50 Resp: 58281

Ion Ratio Lower Upper

50 100

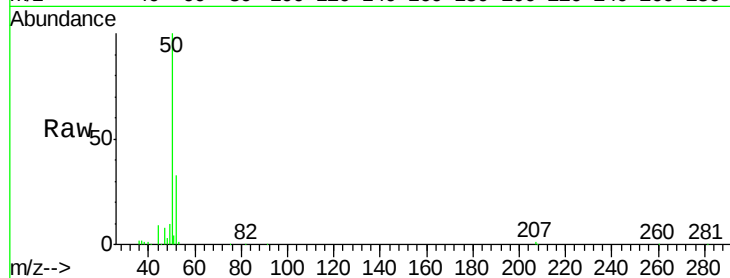
52 33.4 25.9 38.9

Manual Integrations

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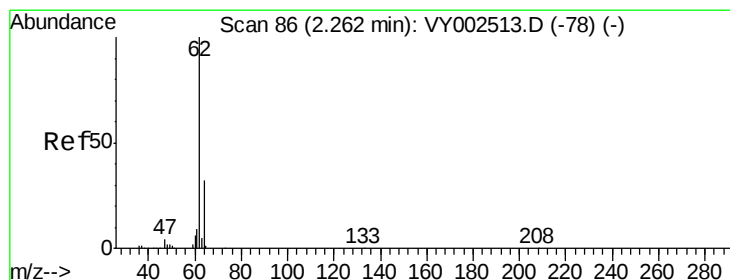
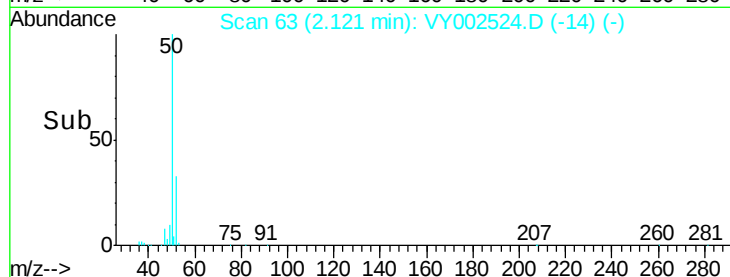
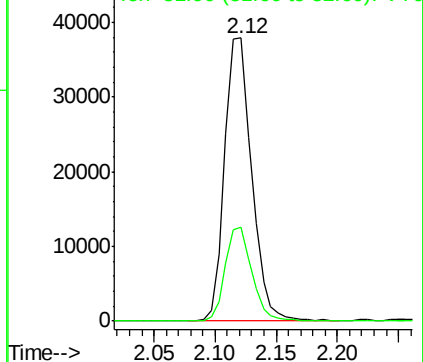
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 19.368 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002524.D

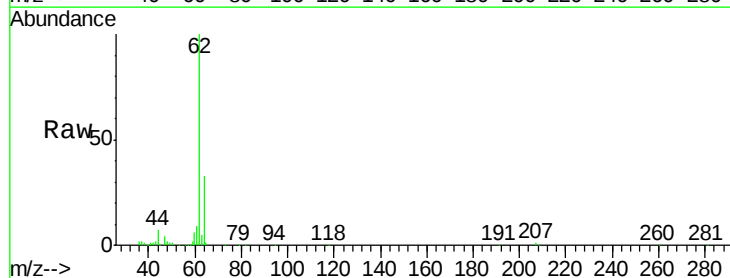
Acq: 01 May 2020 13:15

Tgt Ion: 62 Resp: 68091

Ion Ratio Lower Upper

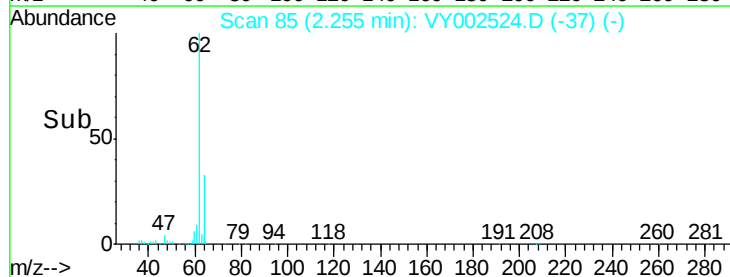
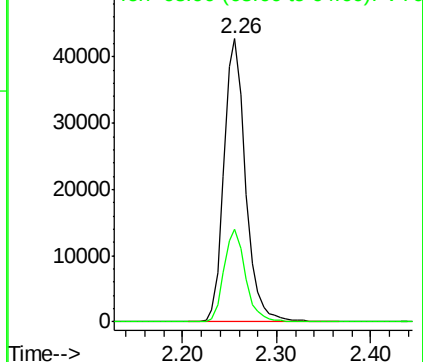
62 100

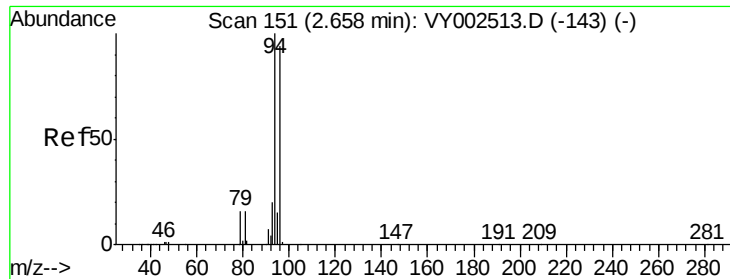
64 32.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 18.686 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBSD01

Tot Ion: 94 Resp: 45303

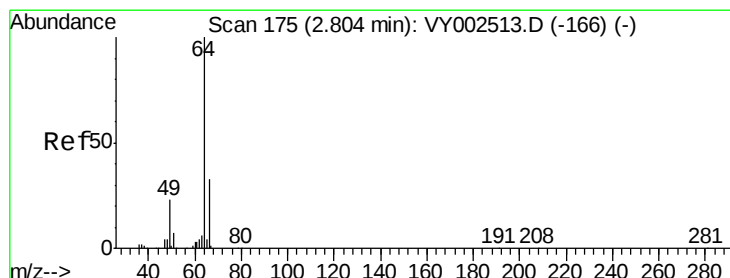
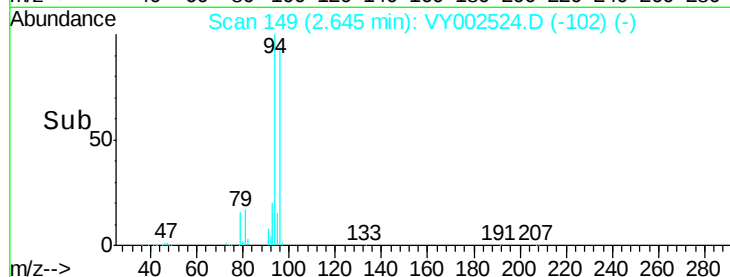
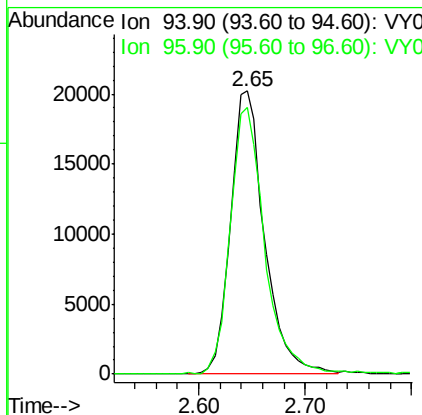
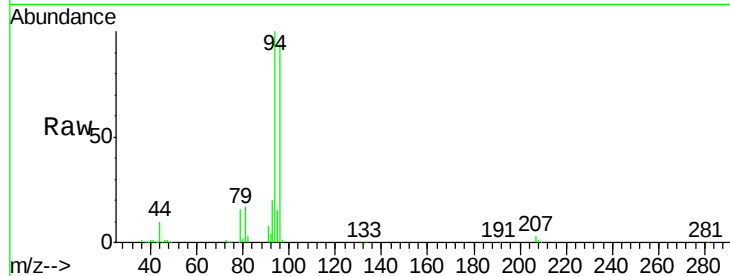
Ion Ratio Lower Upper

94 100

96 93.8 74.9 112.3

Manual Integrations
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#6

Chloroethane

Concen: 19.524 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY002524.D

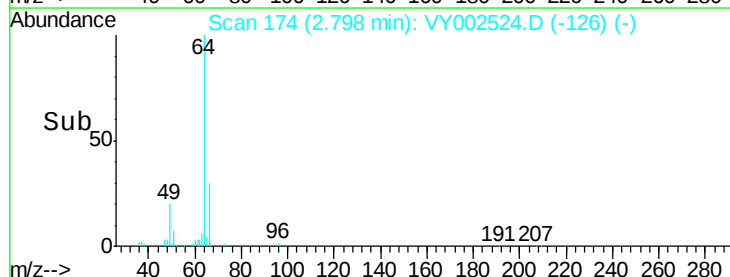
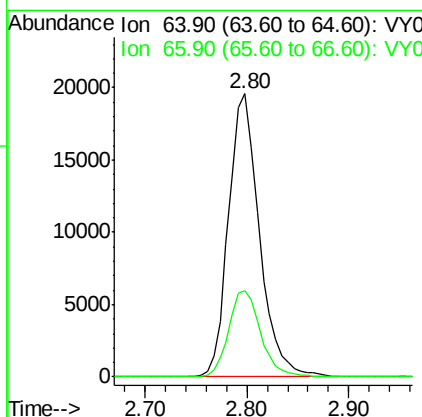
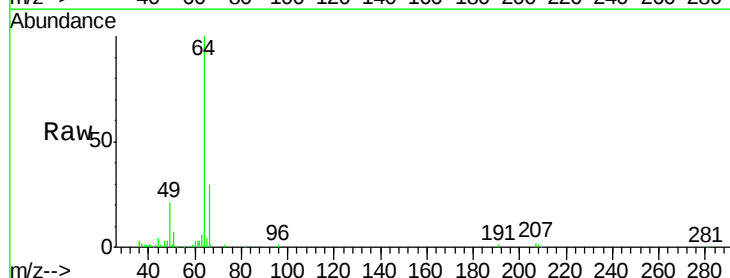
Acq: 01 May 2020 13:15

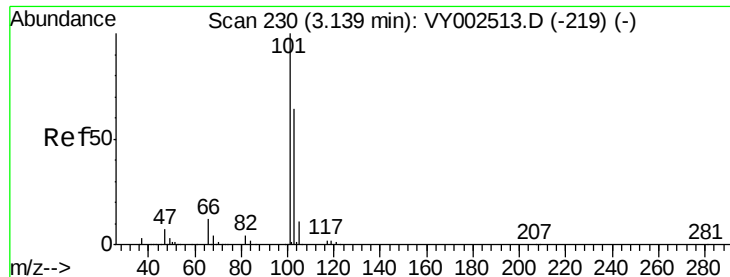
Tgt Ion: 64 Resp: 40985

Ion Ratio Lower Upper

64 100

66 30.4 26.3 39.5





#7

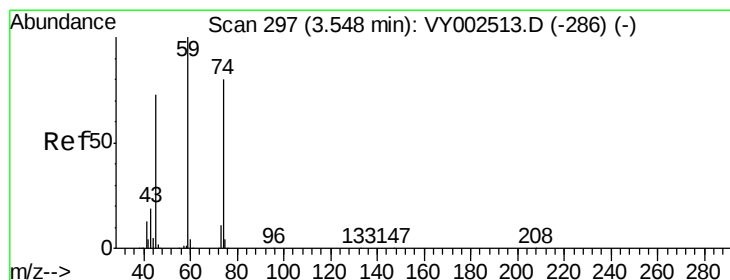
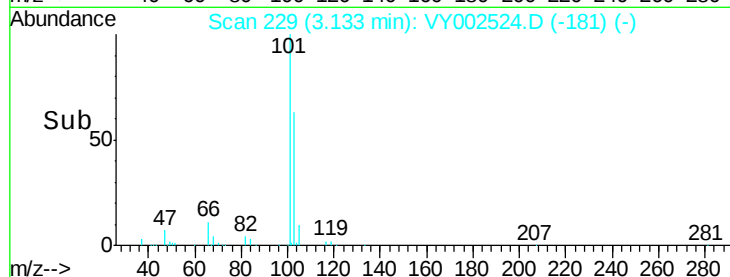
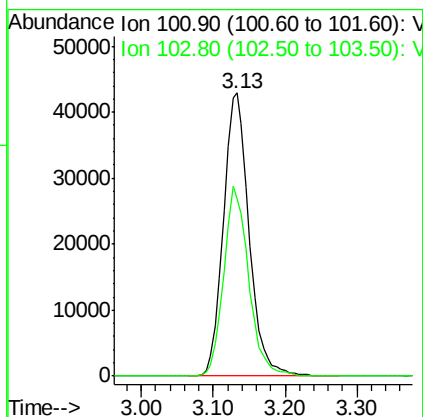
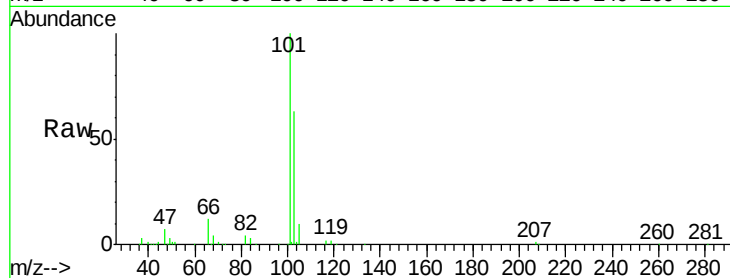
Trichlorofluoromethane
Concen: 19.538 ug/l
RT: 3.13 min Scan# 229
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
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ClientSampleId :
VY0501SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	106455		
103	62.7	51.4	77.0	

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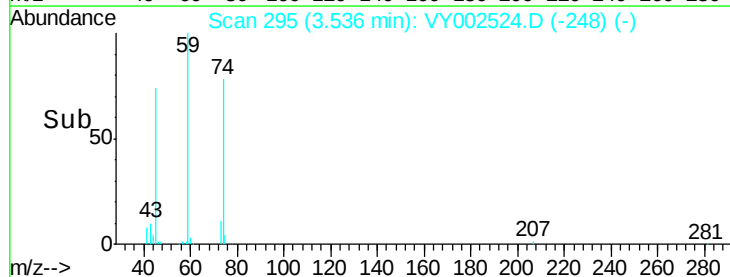
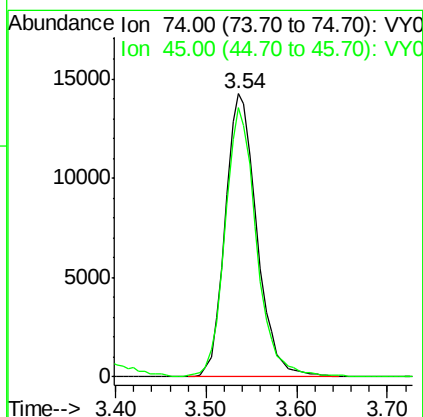
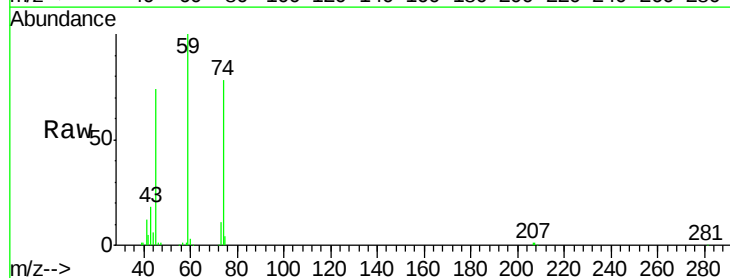
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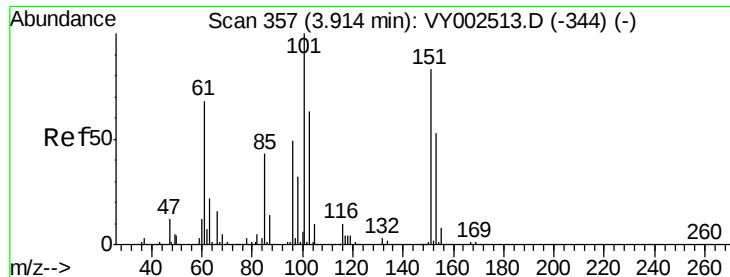


#8

Diethyl Ether
Concen: 18.823 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	34466		
45	94.8	46.2	138.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.367 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

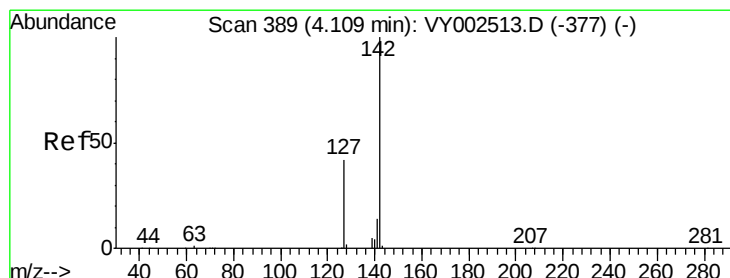
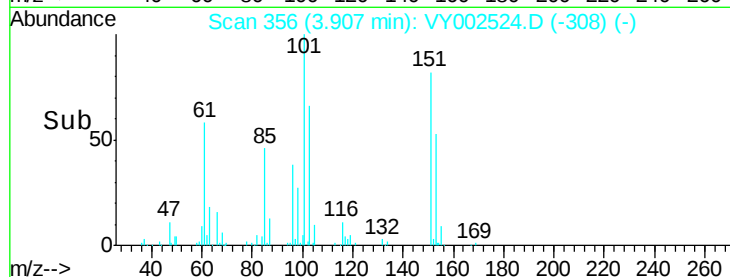
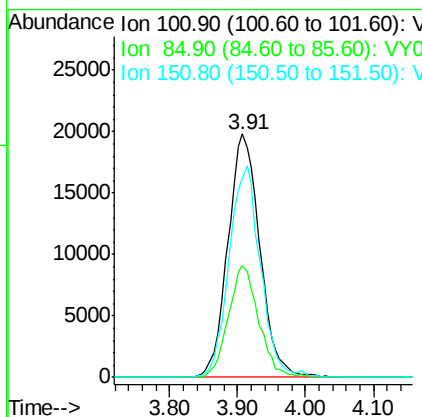
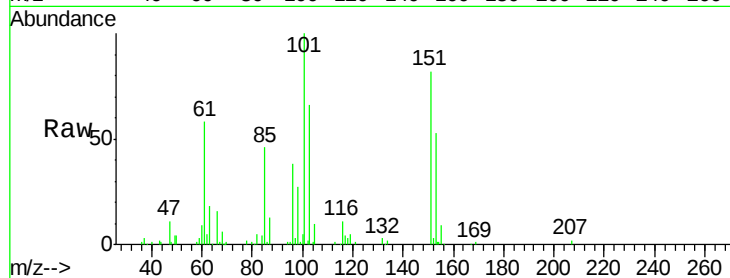
ClientSampleId :

VY0501SBSD01

Tot Ion:	101	Resp:	64493
Ion Ratio	Lower	Upper	
101	100		
85	43.7	33.4	50.2
151	85.5	66.8	100.2

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#10

Methyl Iodide

Concen: 18.913 ug/l

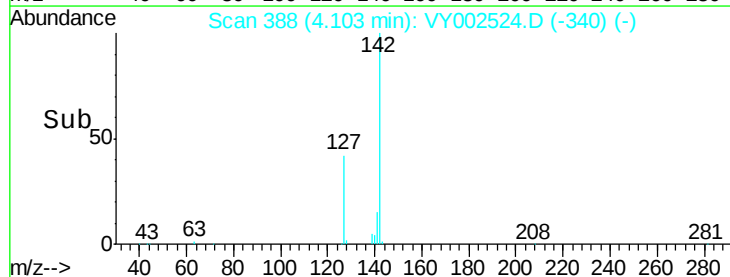
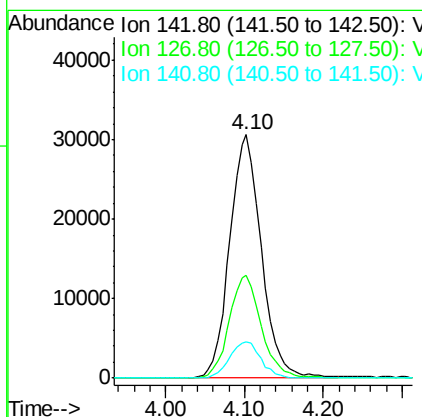
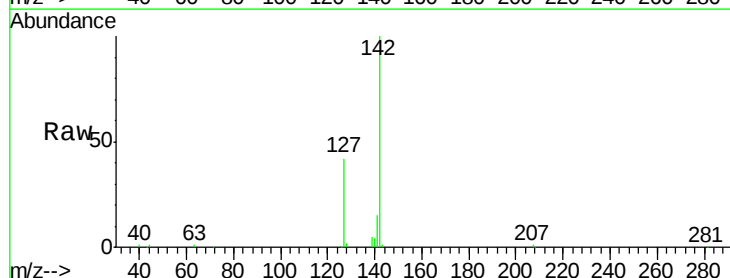
RT: 4.10 min Scan# 388

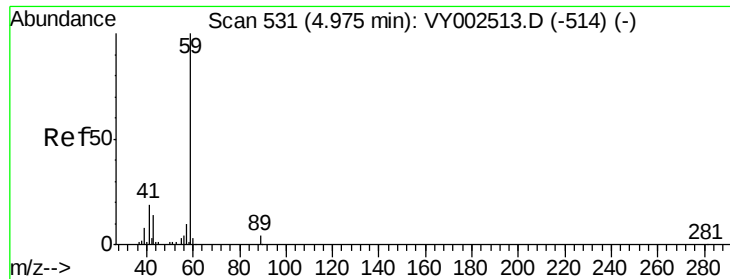
Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Tgt Ion:	142	Resp:	85805
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.7	50.5
141	14.9	11.4	17.0





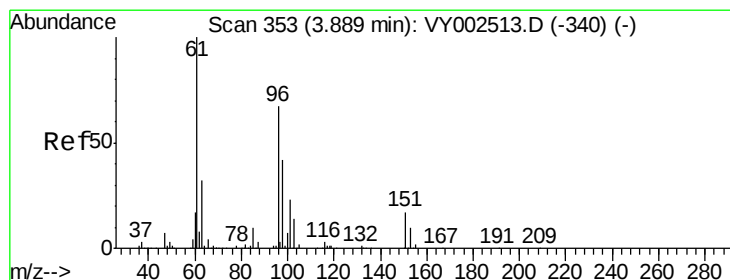
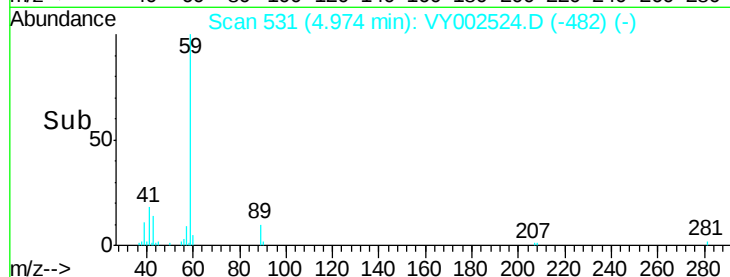
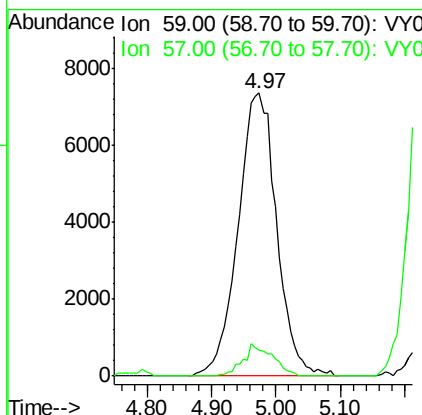
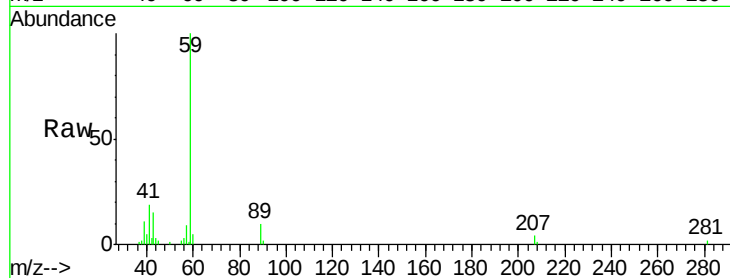
#11
Tert butyl alcohol
Concen: 93.652 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	8.8	7.8	11.6

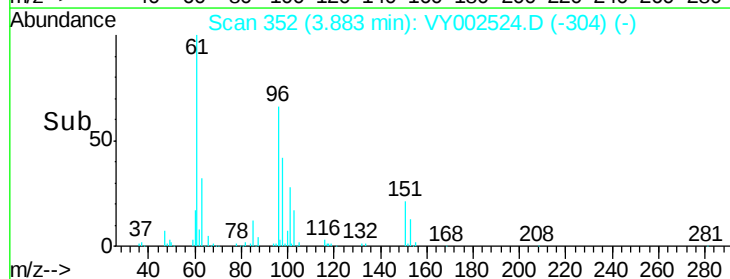
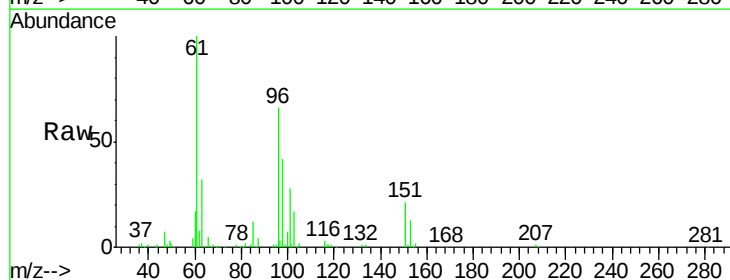
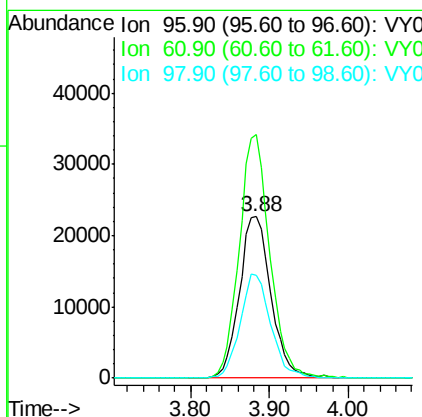
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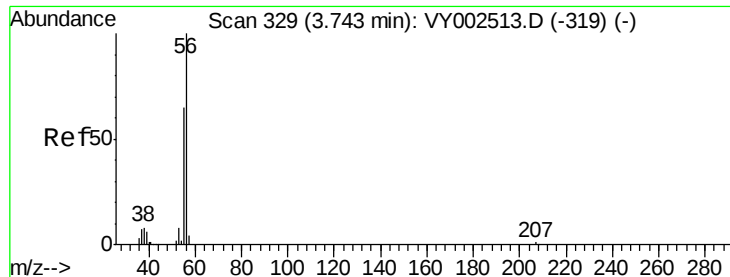
MMDadoda
5/4/2020 2:19:17 PM



#12
1,1-Dichloroethene
Concen: 19.649 ug/l
RT: 3.88 min Scan# 352
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	150.6	118.8	178.2
98	98	63.3	49.6	74.4





#13

Acrolein

Concen: 85.708 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBSD01

Tot Ion: 56 Resp: 19267

Ion Ratio Lower Upper

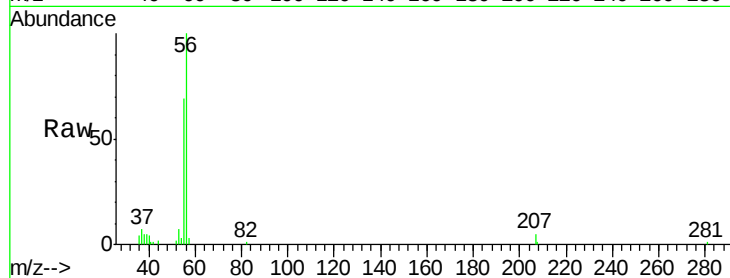
56 100

55 70.9 53.8 80.6

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.74

8000

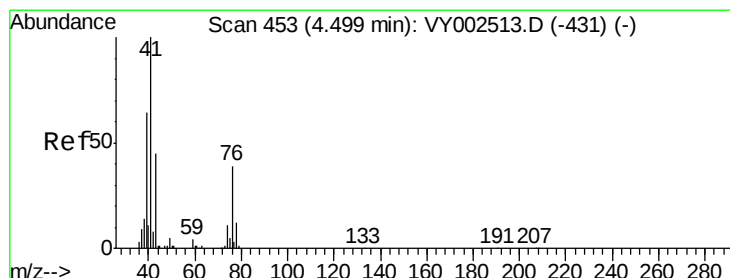
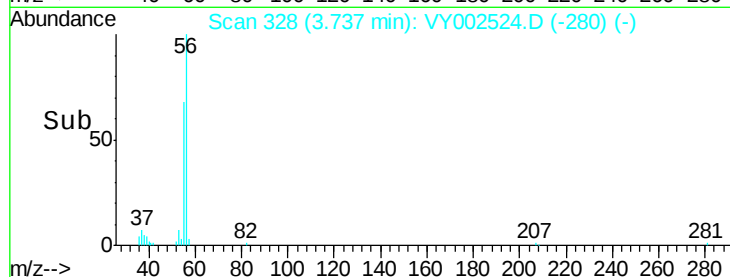
6000

4000

2000

0

Time--> 3.60 3.70 3.80 3.90



#14

Allyl chloride

Concen: 19.599 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

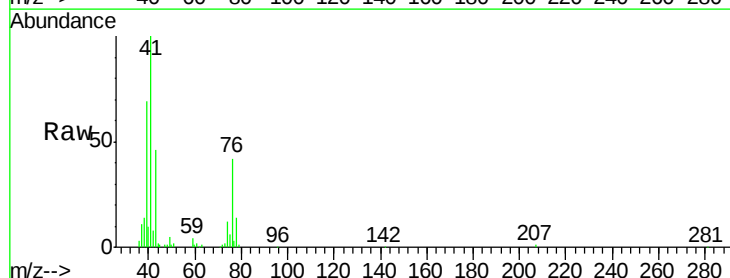
Tgt Ion: 41 Resp: 92380

Ion Ratio Lower Upper

41 100

39 65.1 51.8 77.6

76 40.9 31.7 47.5



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

4.49

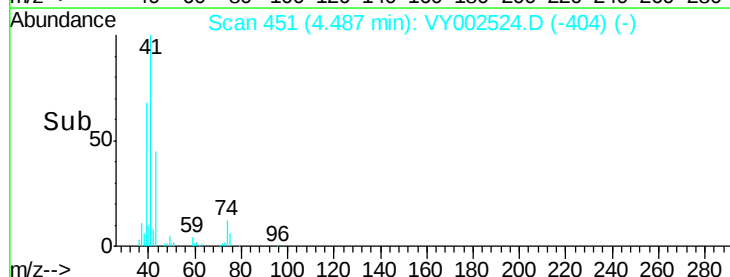
30000

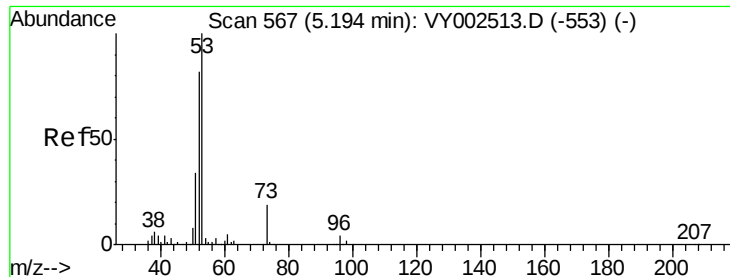
20000

10000

0

Time--> 4.30 4.40 4.50 4.60 4.70





#15

Acrylonitrile

Concen: 94.821 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

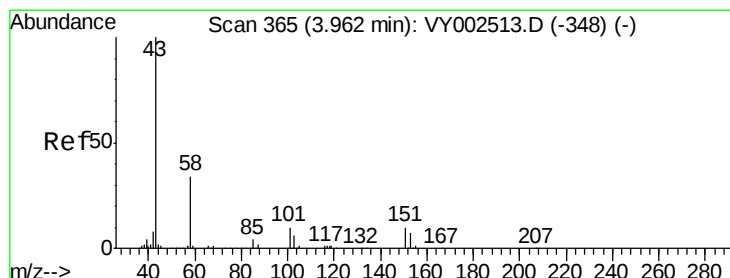
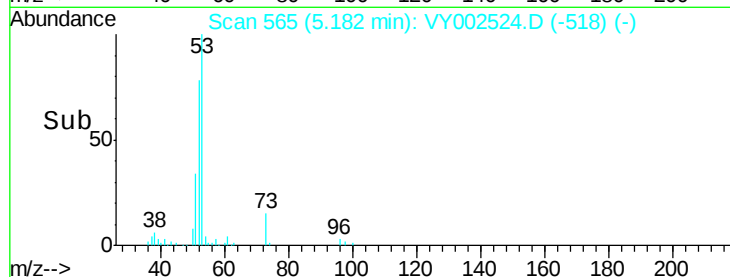
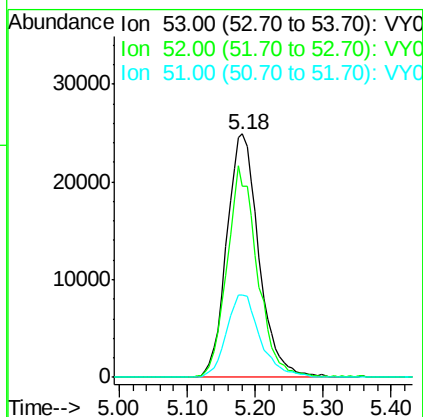
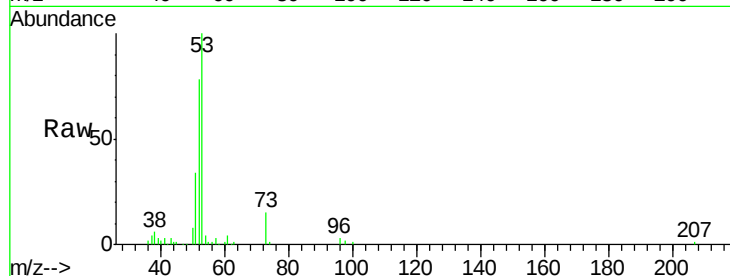
ClientSampleId :

VY0501SBSD01

Tot Ion:	53	Resp:	81877
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.4	98.0
51	35.7	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 95.107 ug/l

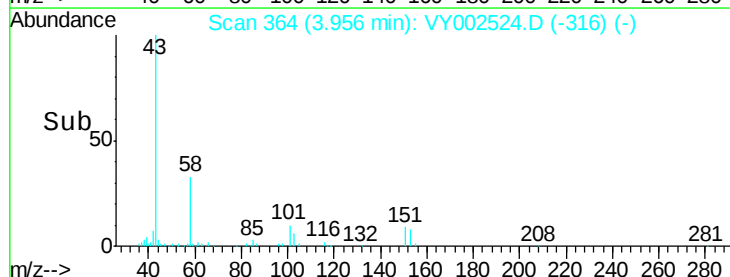
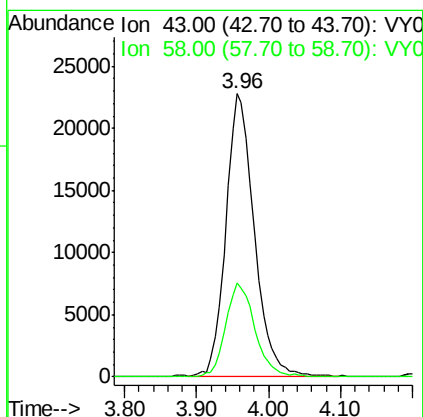
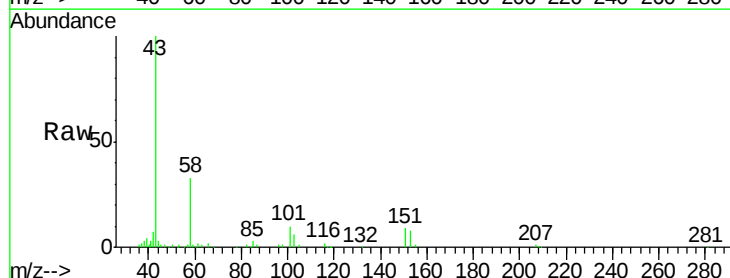
RT: 3.96 min Scan# 364

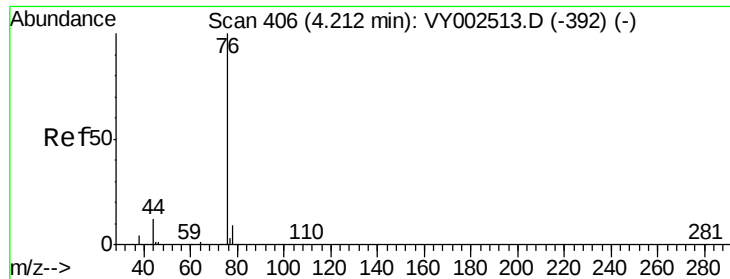
Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Tgt Ion:	43	Resp:	62020
Ion Ratio	Lower	Upper	
43	100		
58	33.2	26.9	40.3





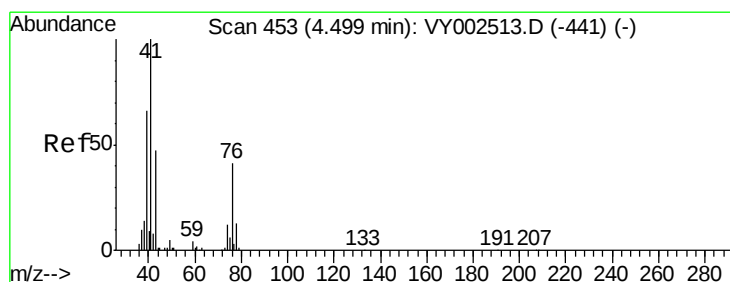
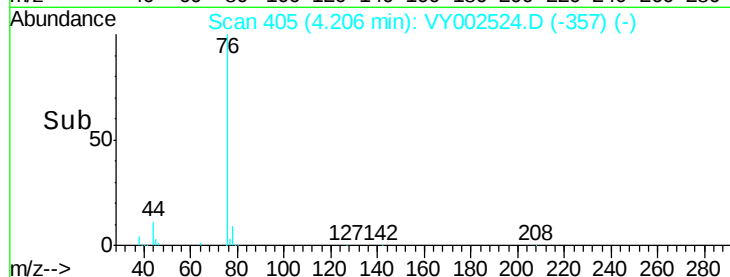
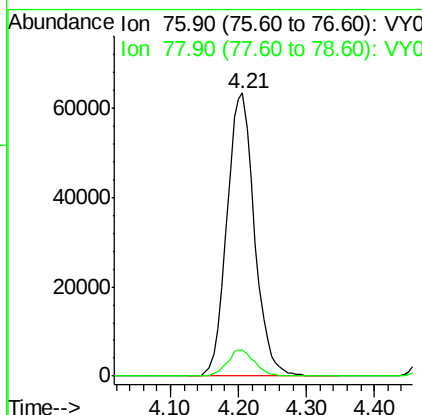
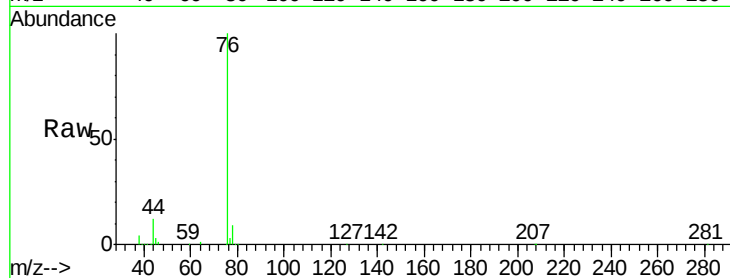
#17
Carbon Disulfide
Concen: 18.254 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

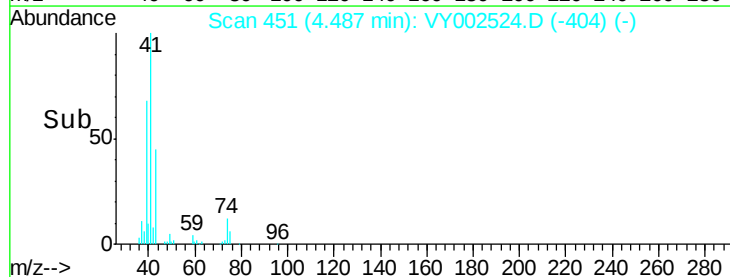
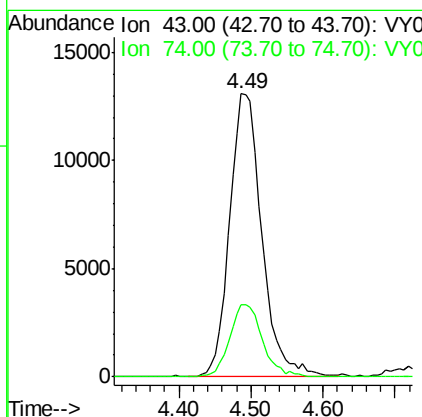
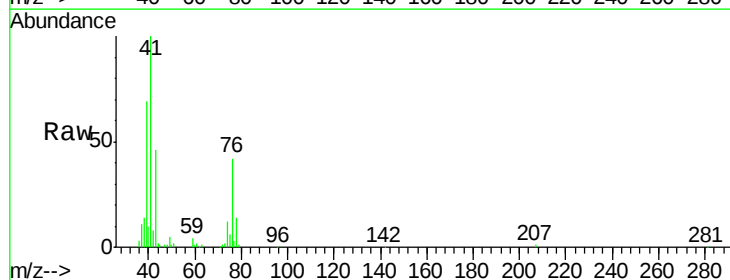
Manual Integrations
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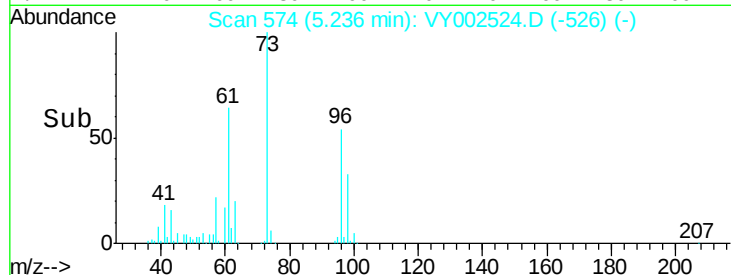
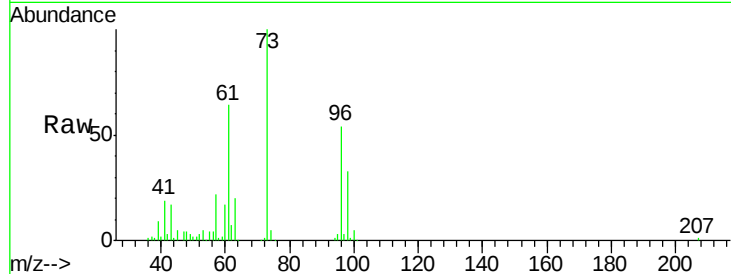
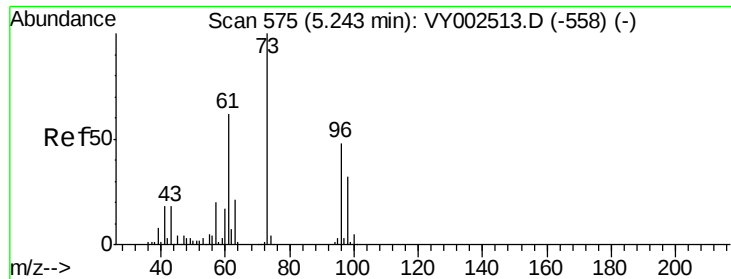
MMDadoda
5/4/2020 2:19:17 PM



#18
Methyl Acetate
Concen: 18.688 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	21.2	31.8





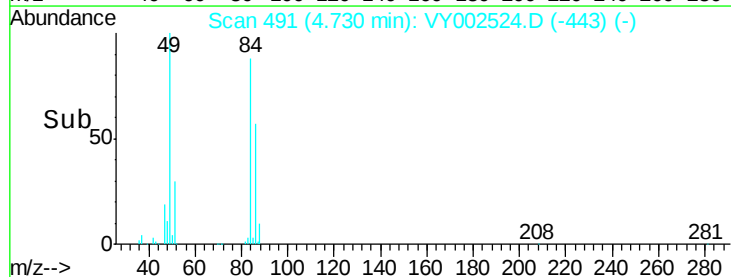
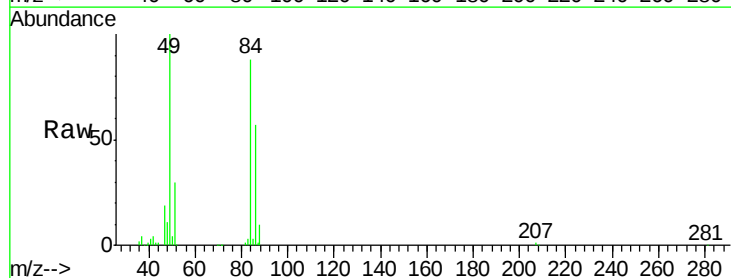
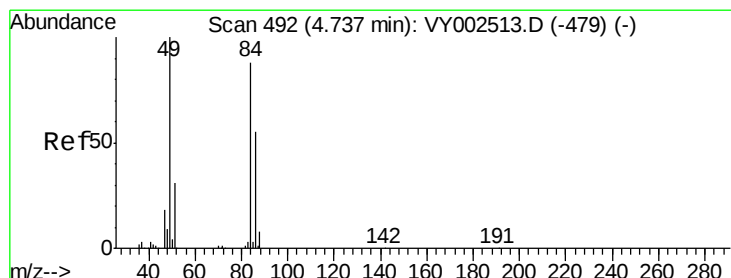
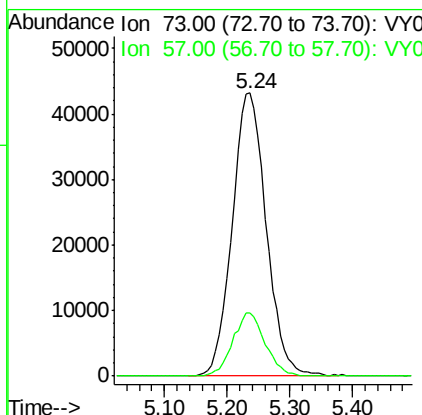
#19
Methvl tert-butvl Ether
Concen: 19.188 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tot Ion: 73 Resp: 161949
Ion Ratio Lower Upper
73 100
57 22.3 16.3 24.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

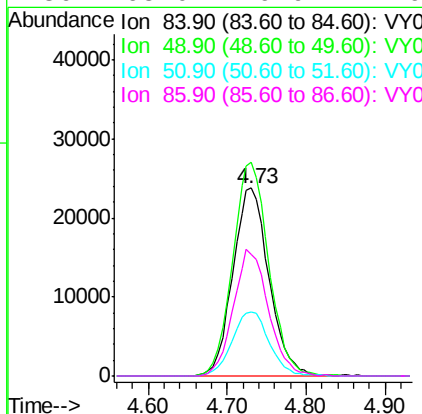
Manual Integrations
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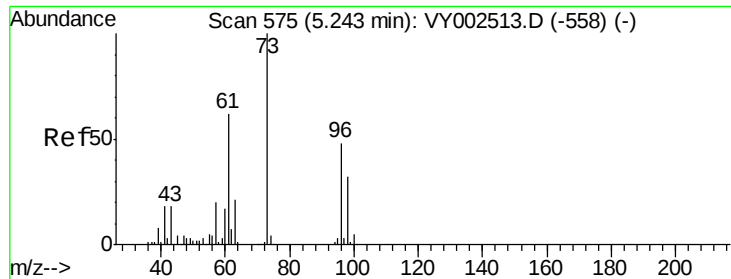
MMDadoda
5/4/2020 2:19:17 PM



#20
Methylene Chloride
Concen: 20.748 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion: 84 Resp: 75663
Ion Ratio Lower Upper
84 100
49 113.6 90.5 135.7
51 34.0 28.3 42.5
86 65.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.837 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

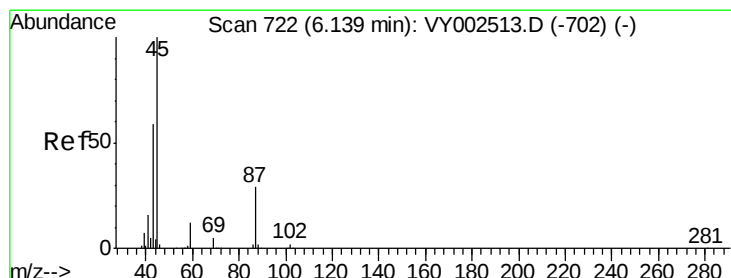
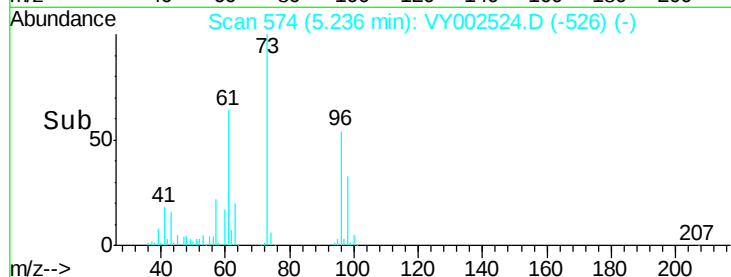
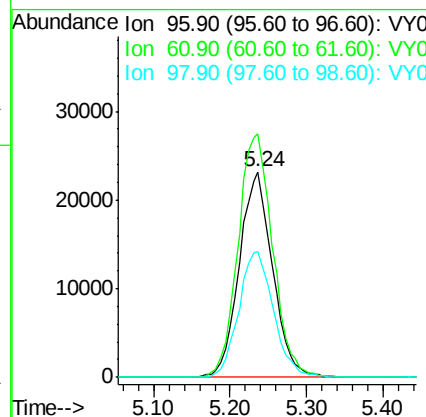
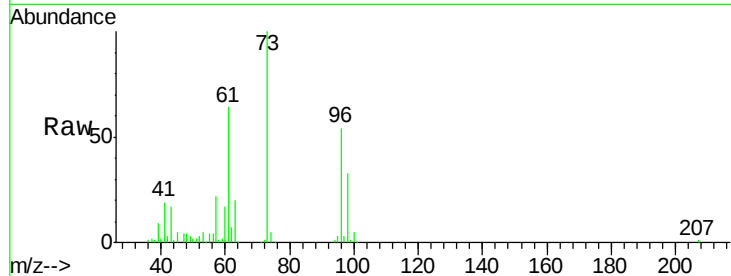
ClientSampleId :

VY0501SBSD01

Tot Ion:	96	Resp:	70141
Ion	Ratio	Lower	Upper
96	100		
61	118.5	102.0	153.0
98	61.0	53.0	79.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.167 ug/l

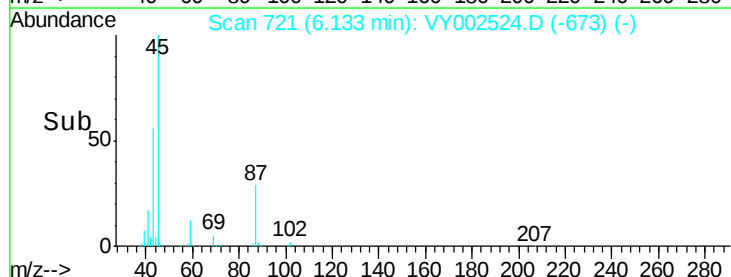
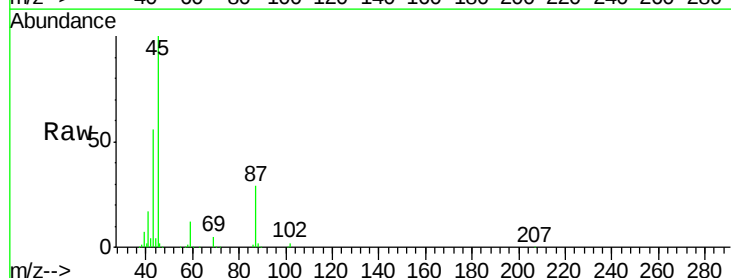
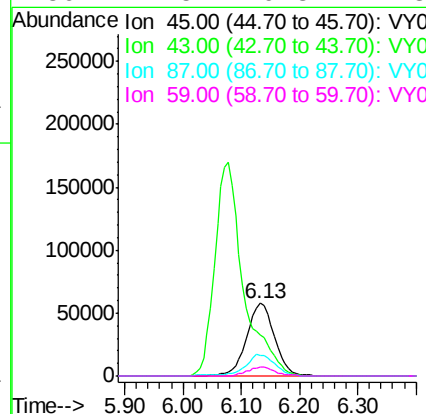
RT: 6.13 min Scan# 721

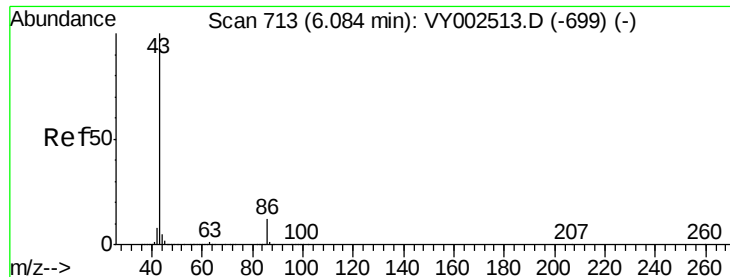
Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Tgt Ion:	45	Resp:	192336
Ion	Ratio	Lower	Upper
45	100		
43	55.7	47.4	71.0
87	29.1	24.0	36.0
59	12.5	9.8	14.8





#23

Vinyl Acetate

Concen: 96.664 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBSD01

Tot Ion: 43 Resp: 579787

Ion Ratio Lower Upper

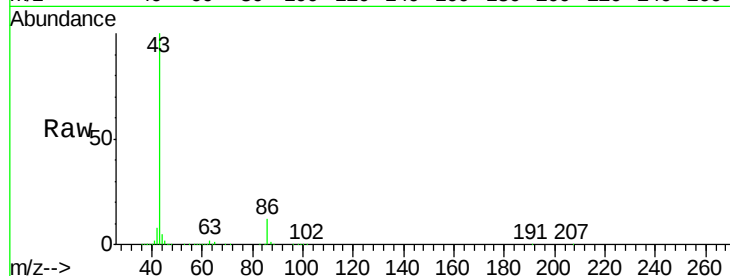
43 100

86 11.8 9.8 14.6

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

200000

150000

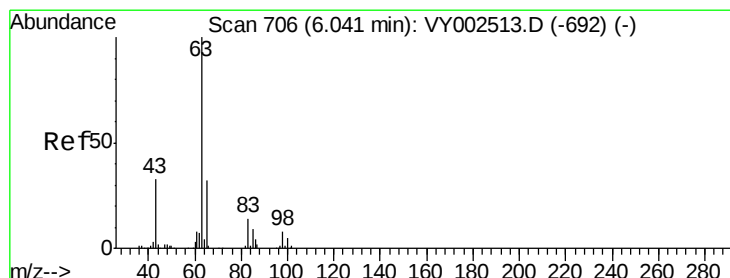
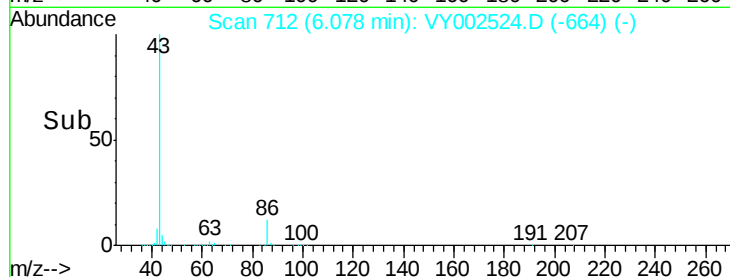
100000

50000

0

6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 20.027 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

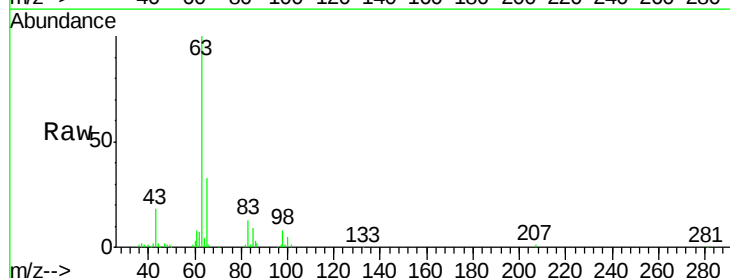
Tgt Ion: 63 Resp: 112995

Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.7

100 4.7 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

50000

40000

30000

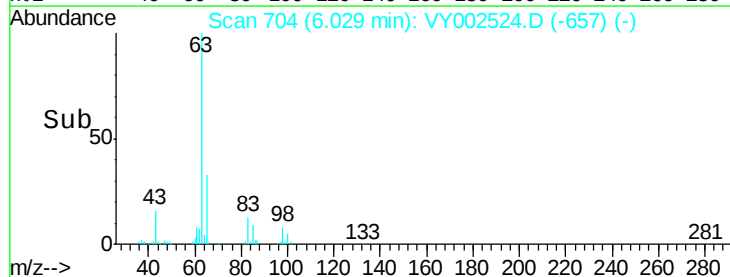
20000

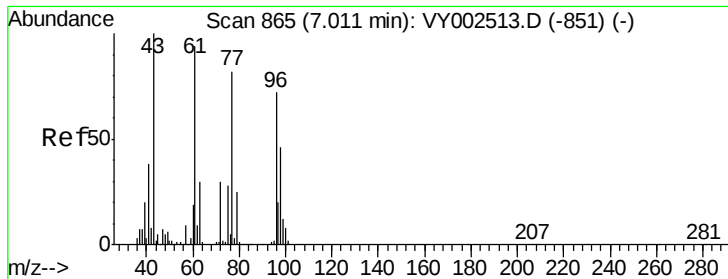
10000

0

5.90 6.00 6.10 6.20

Time-->





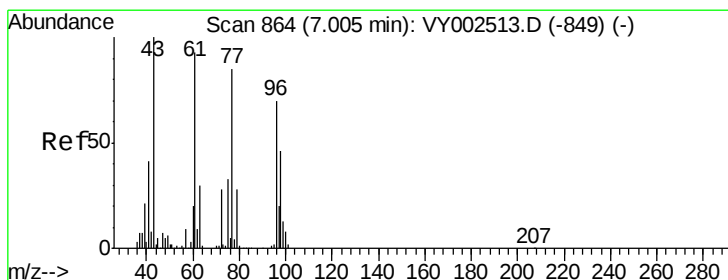
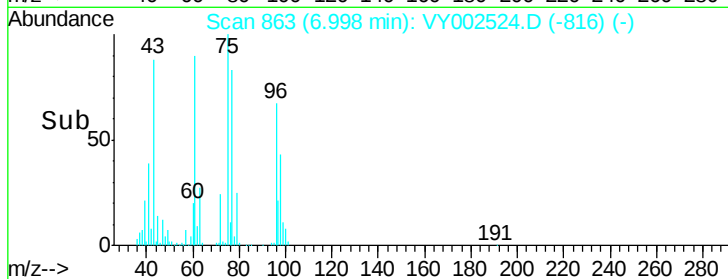
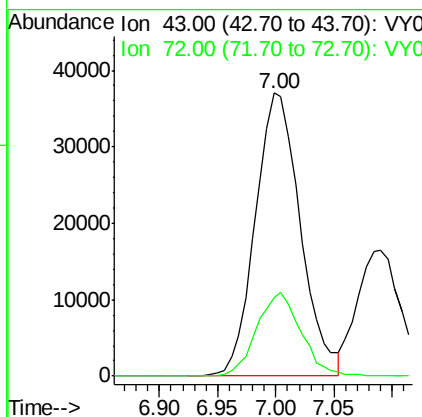
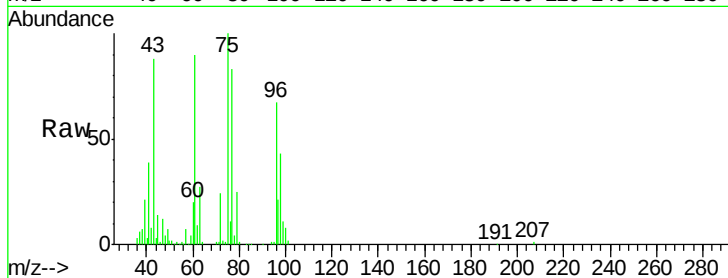
#25
2-Butanone
Concen: 93.306 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.7	24.1	36.1

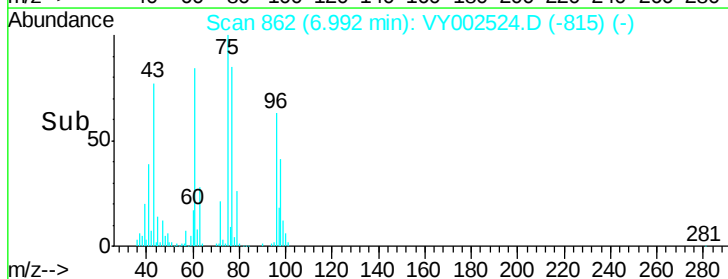
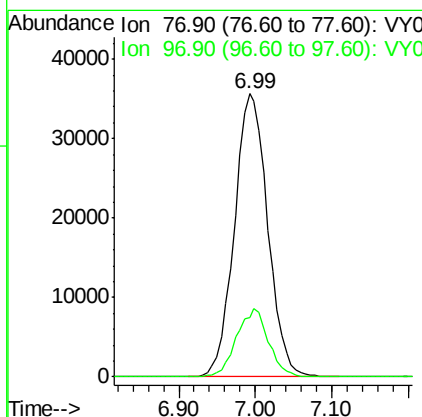
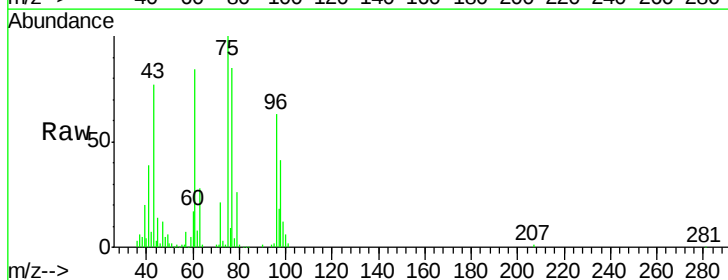
Manual Integrations
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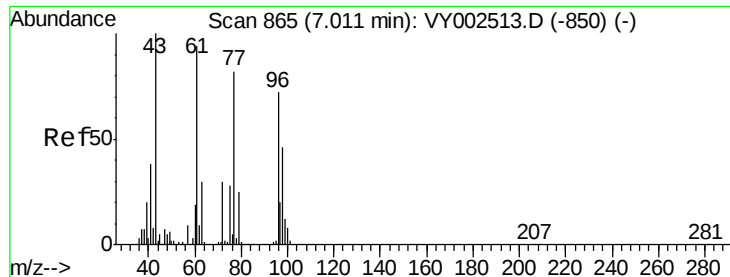
MMDadoda
5/4/2020 2:19:17 PM



#26
2,2-Dichloropropane
Concen: 20.034 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.9	35.5





#27

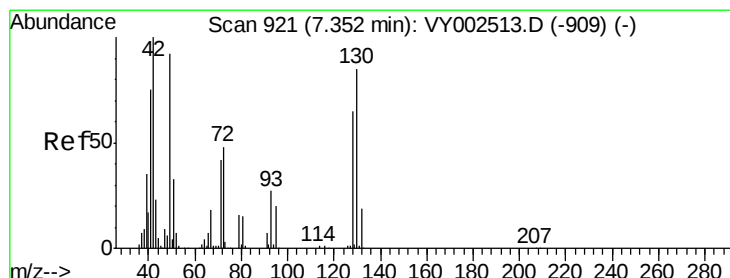
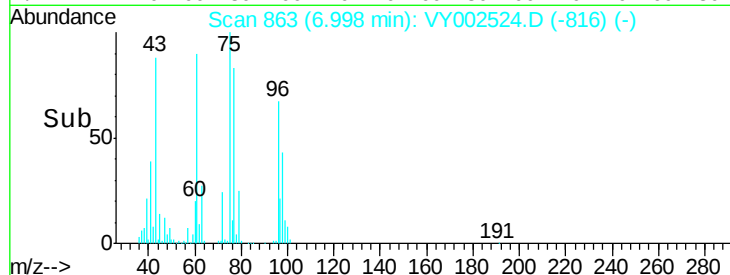
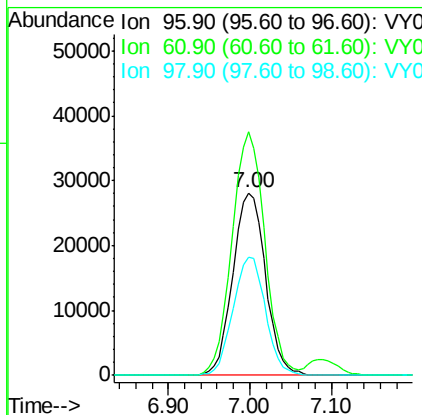
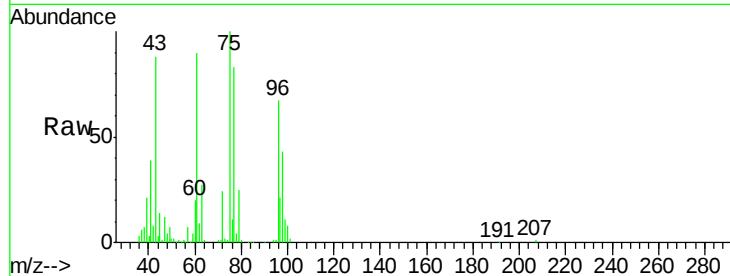
cis-1,2-Dichloroethene
 Concen: 19.905 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	266.6
98	64.2	0.0	129.2

Manual Integrations
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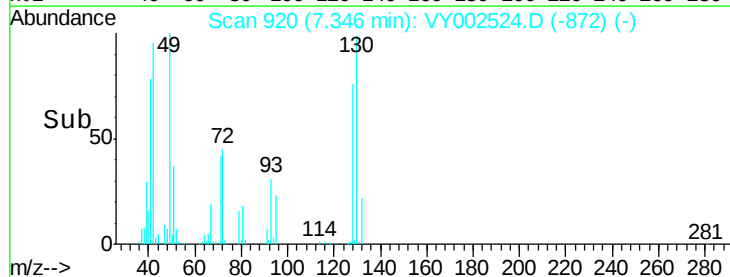
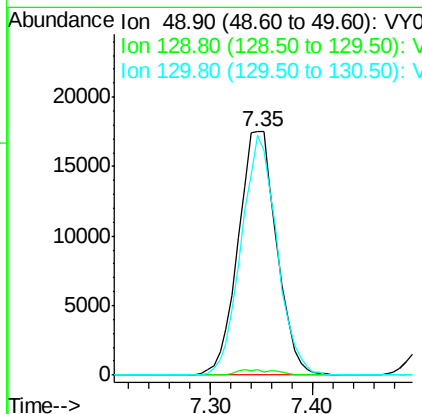
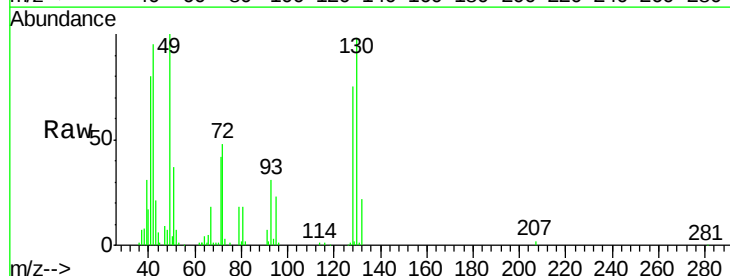
MMDadoda
 5/4/2020 2:19:17 PM

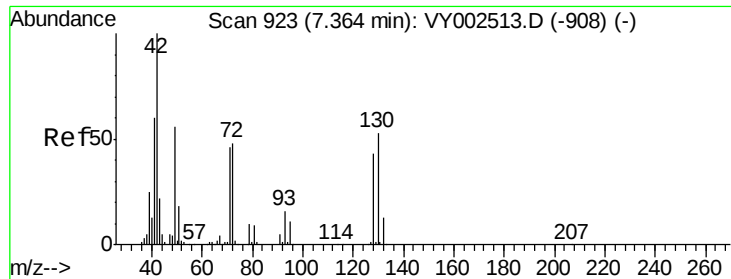


#28

Bromochloromethane
 Concen: 19.852 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.8
130	91.9	72.5	108.7





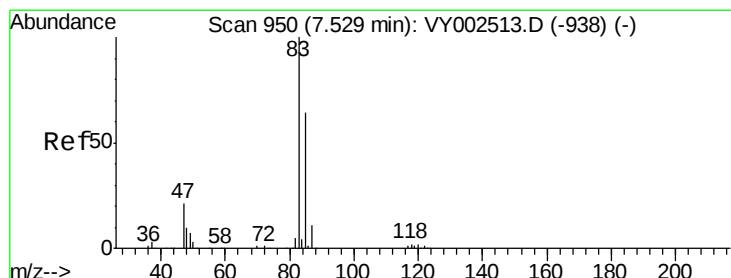
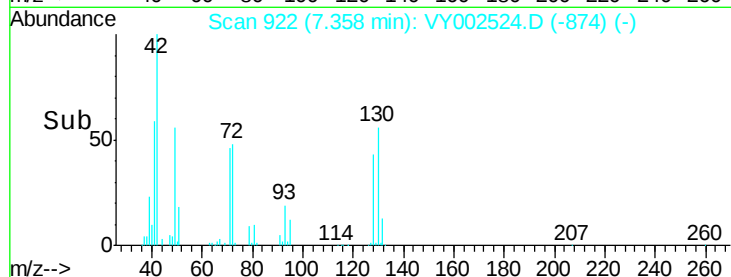
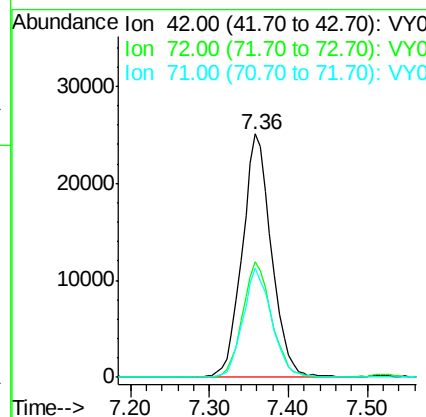
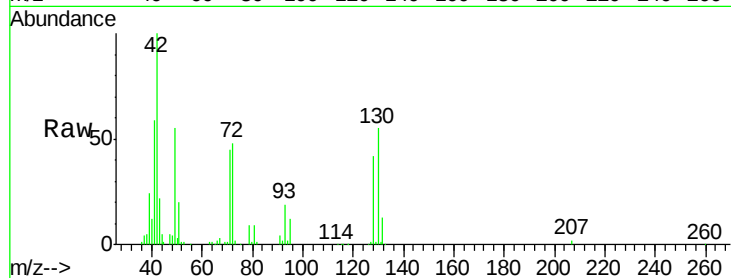
#29
Tetrahydrofuran
Concen: 91.524 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.4	56.2
71	43.9	35.0	52.4

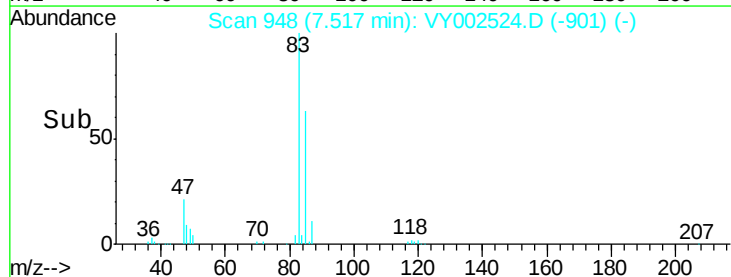
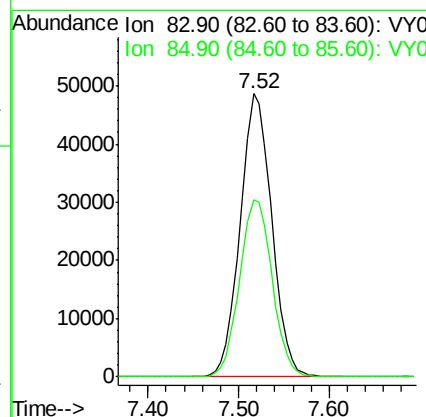
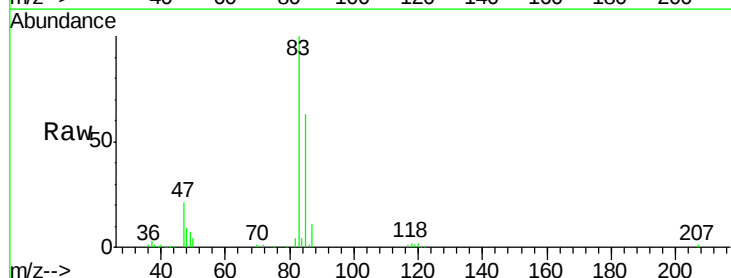
Manual Integrations
APPROVED

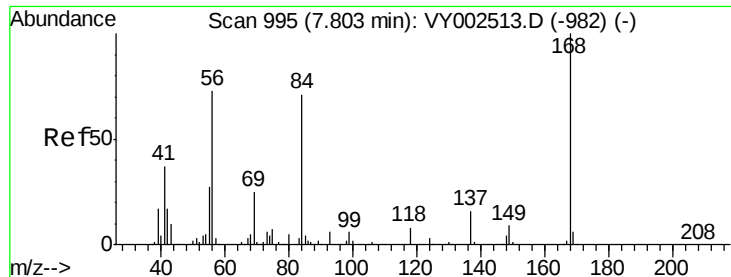
MMDadoda
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#30
Chloroform
Concen: 20.020 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.5	77.3





#31

Cyclohexane

Concen: 19.532 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

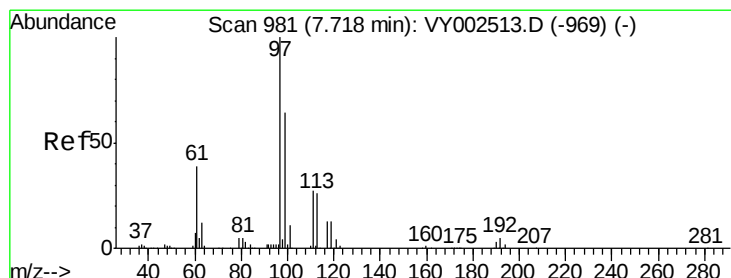
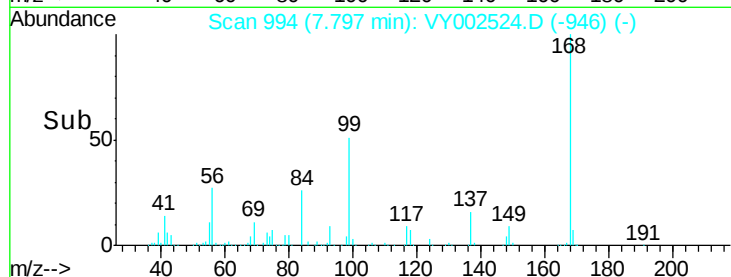
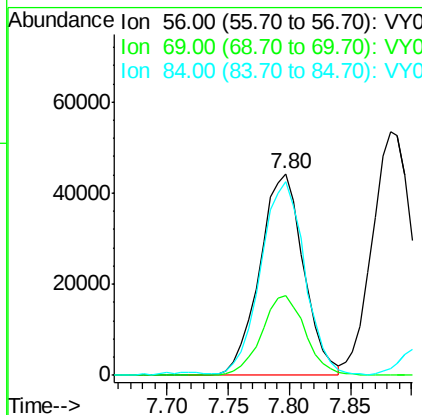
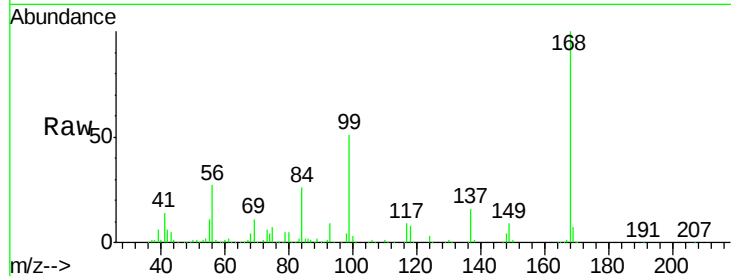
ClientSampleId :

VY0501SBSD01

Tot Ion:	56	Resp:	110930
Ion	Ratio	Lower	Upper
56	100		
69	39.4	27.6	41.4
84	94.9	77.7	116.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.899 ug/l

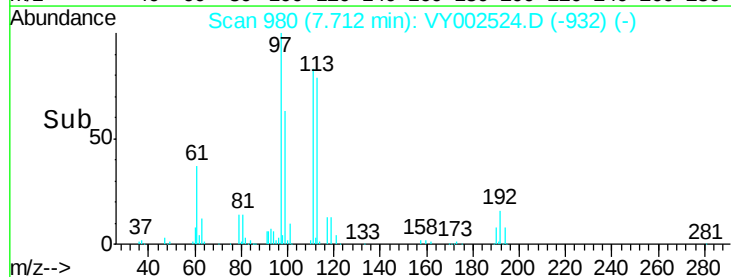
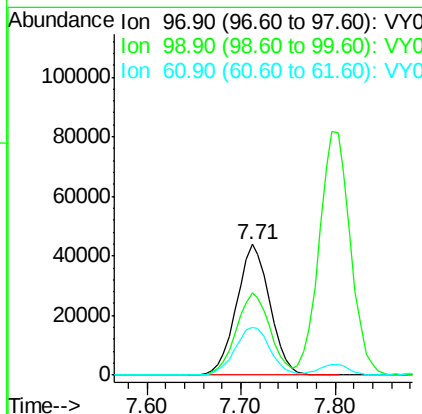
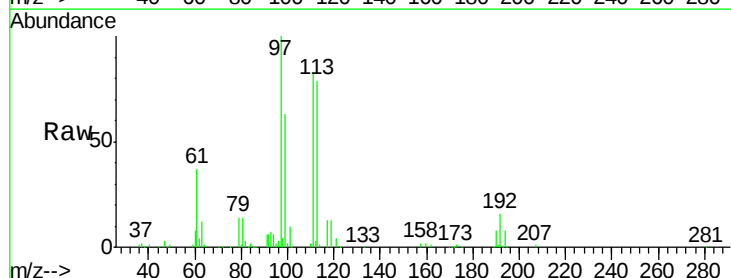
RT: 7.71 min Scan# 980

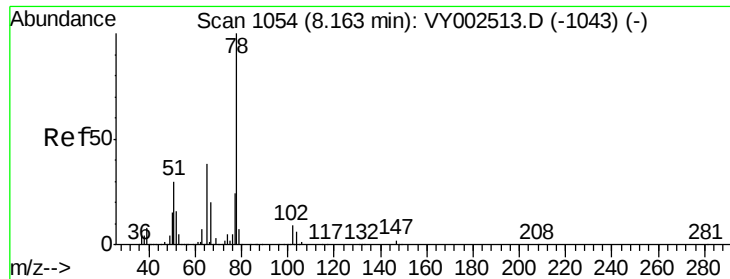
Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Tgt Ion:	97	Resp:	108505
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.9	77.9
61	38.7	31.0	46.6





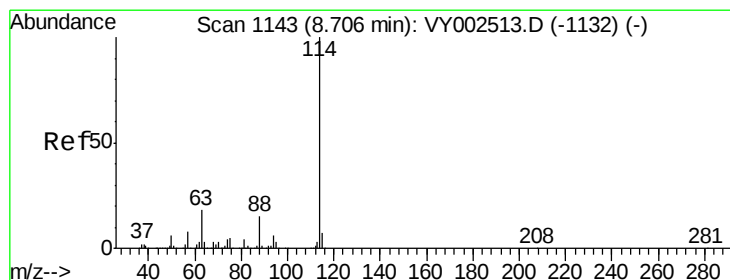
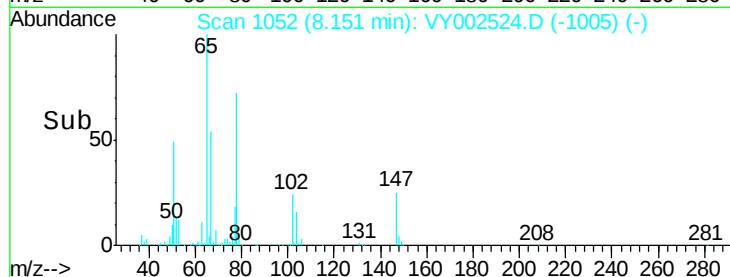
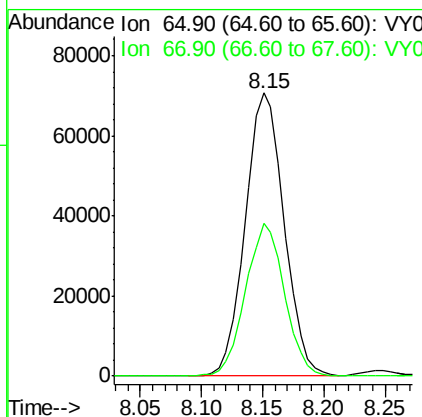
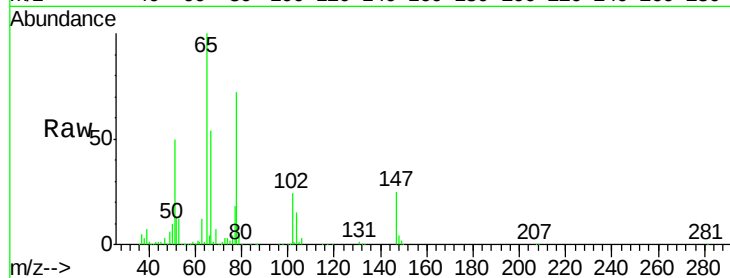
#33
 1,2-Dichloroethane-d4
 Concen: 49.400 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	107.2	

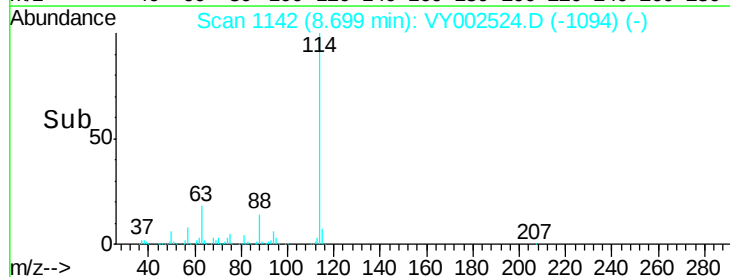
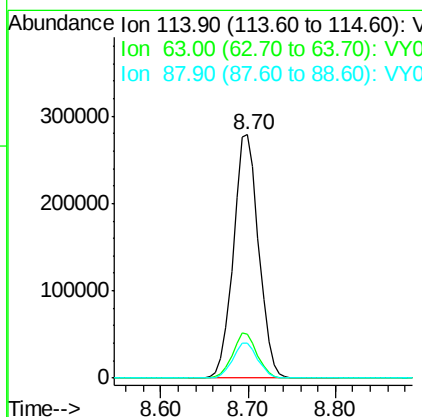
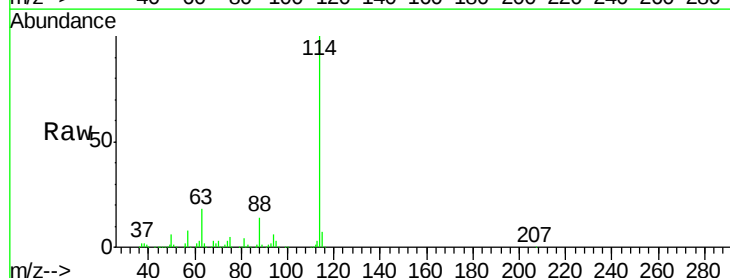
Manual Integrations
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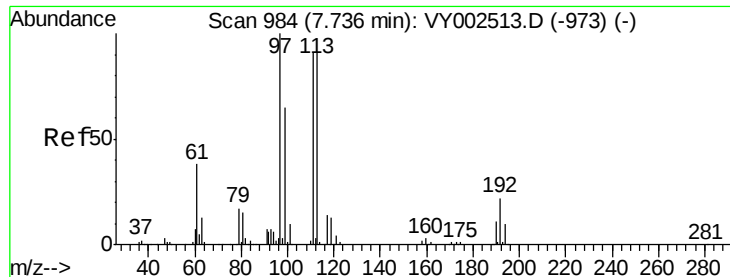
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.9	0.0	36.4	
88	14.3	0.0	29.6	





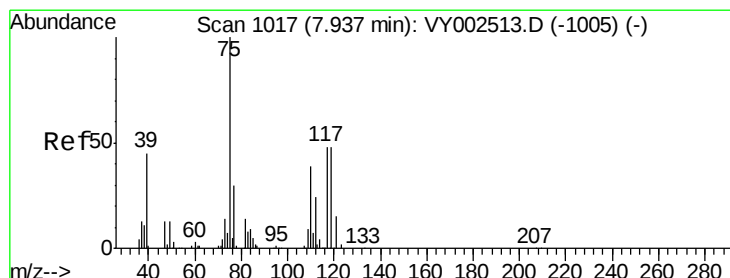
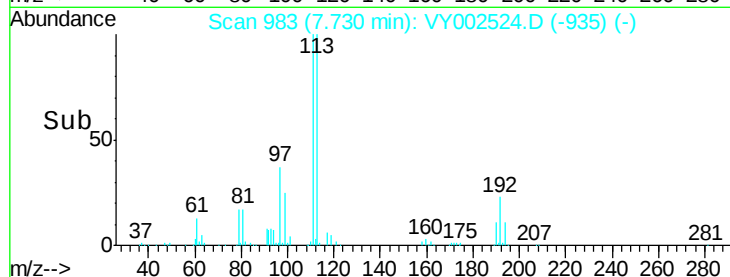
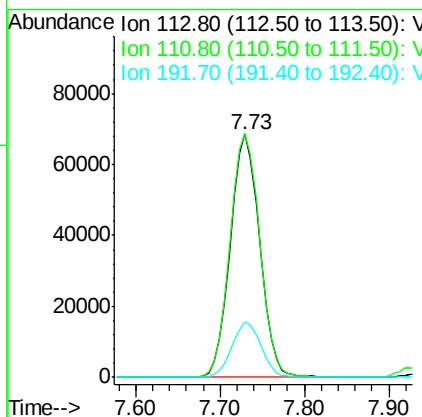
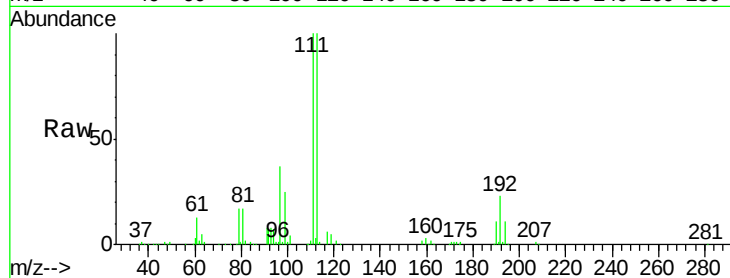
#35
Dibromofluoromethane
Concen: 50.327 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	22.4	18.2	27.4

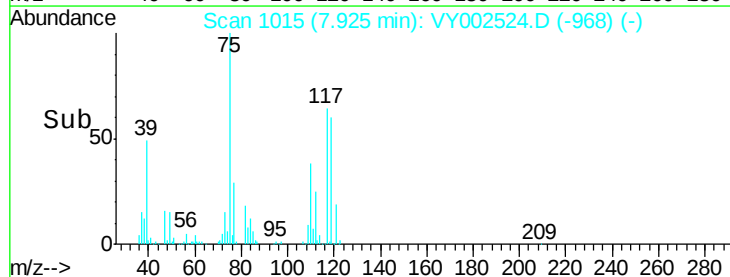
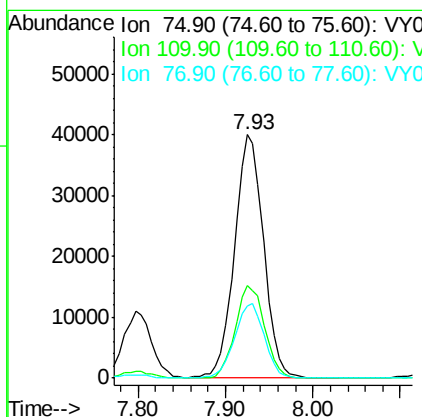
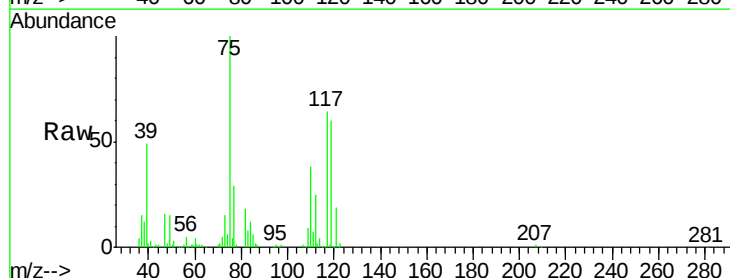
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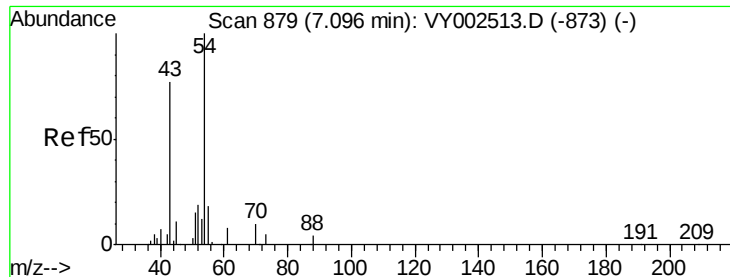
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.671 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.1	19.1	57.3
77	31.4	24.6	37.0





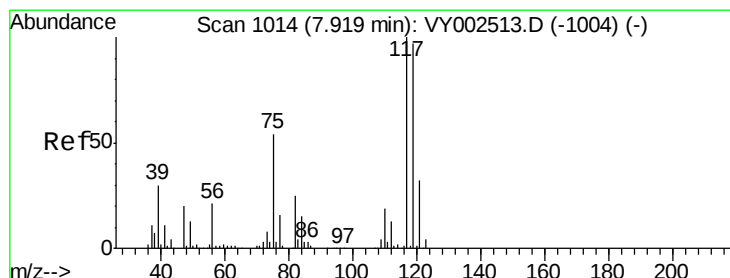
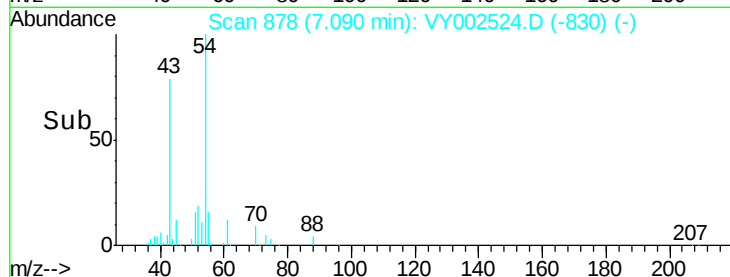
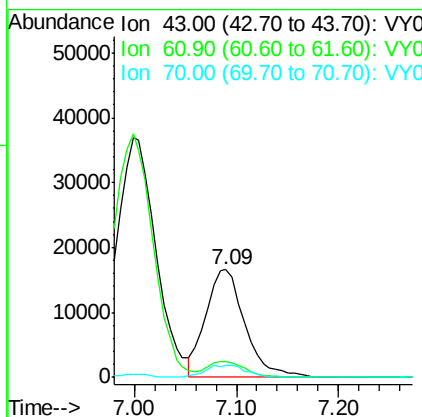
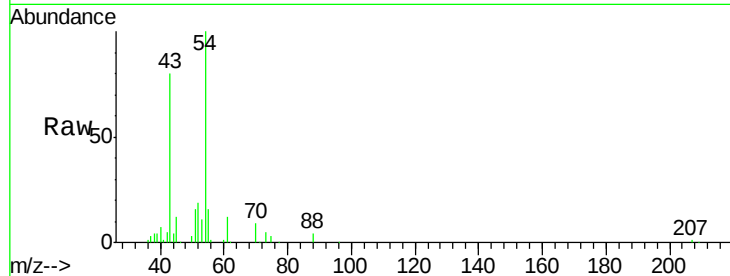
#37
Ethyl Acetate
Concen: 18.267 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.6	17.4
70	11.7	9.0	13.6

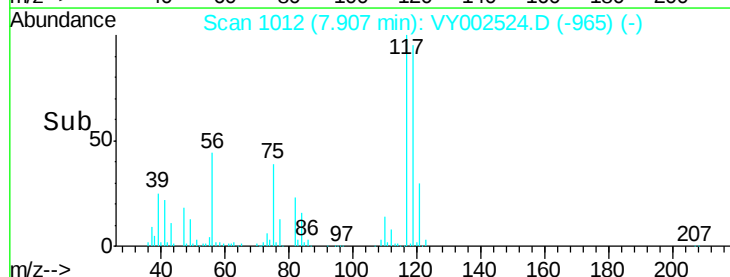
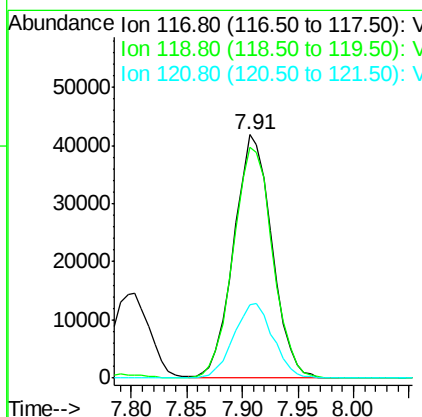
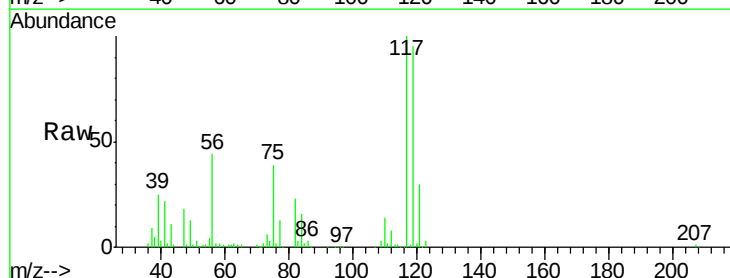
Manual Integrations
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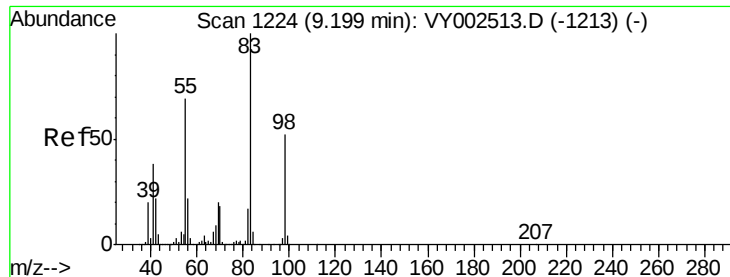
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.488 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.1	115.7
121	30.2	25.2	37.8





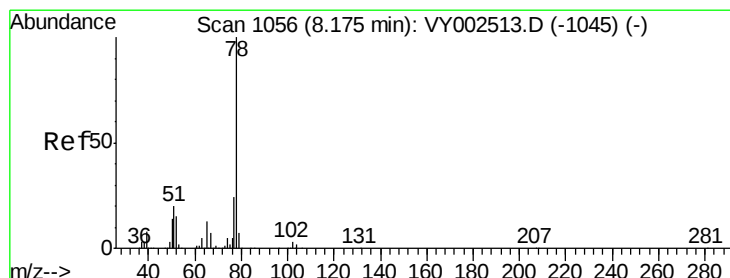
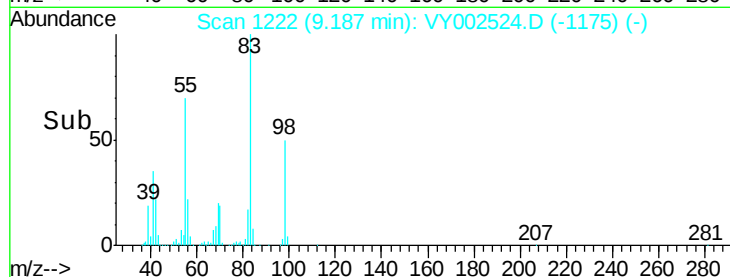
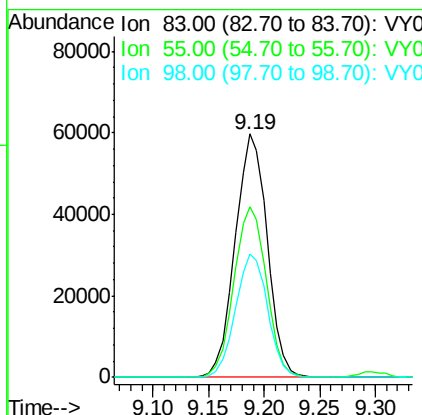
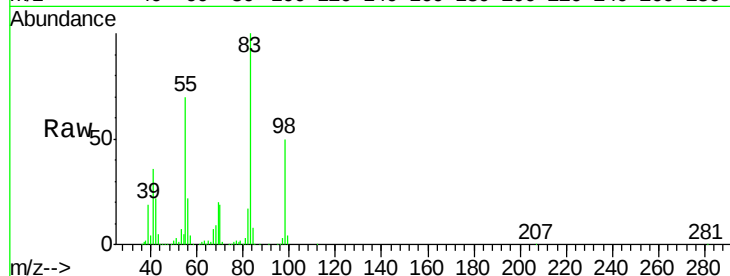
#39
Methvlcvclohexane
Concen: 19.205 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	69.9	55.4	83.0	
98	50.5	41.3	61.9	

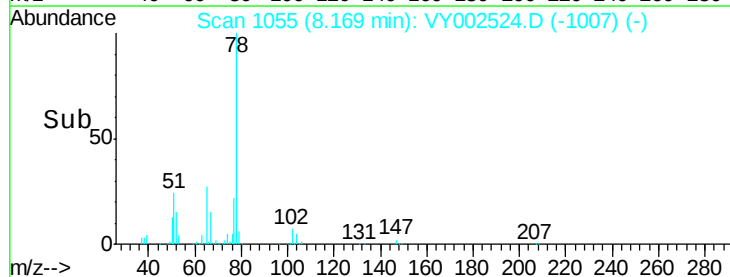
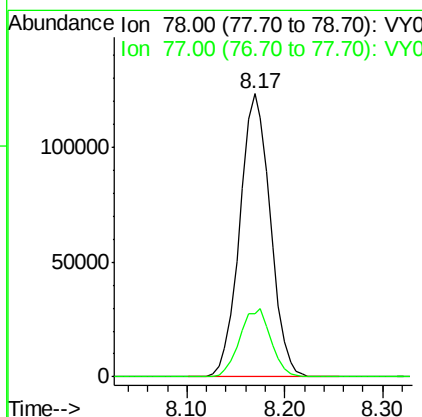
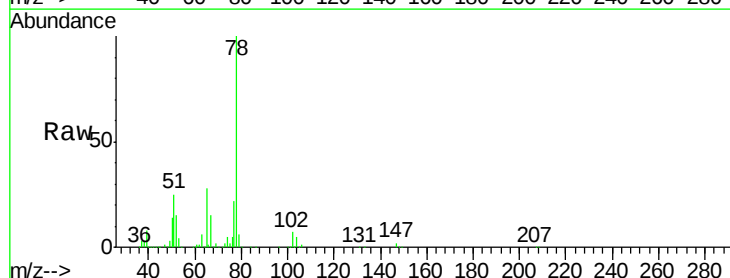
Manual Integrations
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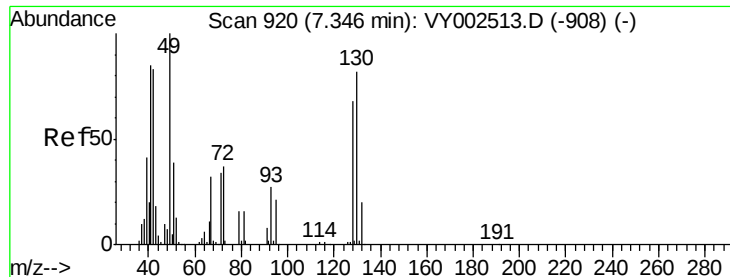
MMDadoda
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#40
Benzene
Concen: 19.736 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.3	19.2	28.8	





#41

Methacrylonitrile

Concen: 21.253 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBSD01

Tot Ion: 41 Resp: 28480

Ion Ratio Lower Upper

41 100

39 0.0 83.1 124.7#

67 0.0 0.0 0.0

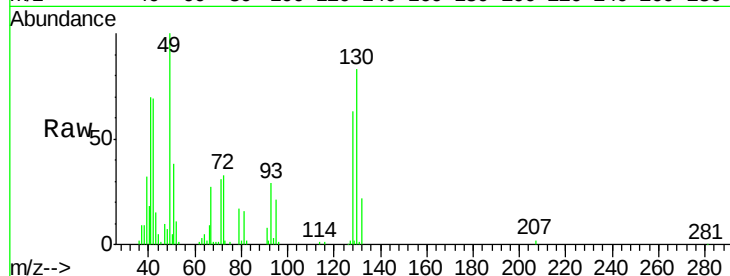
52 0.0 0.0 0.0

Manual Integrations

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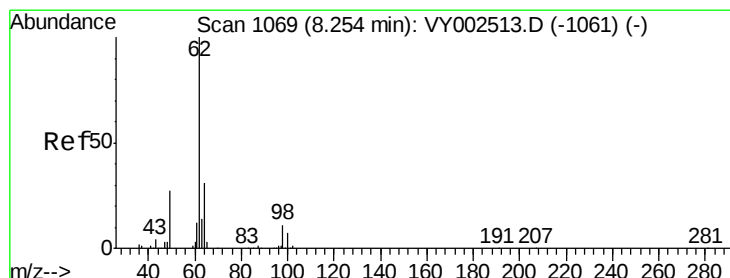
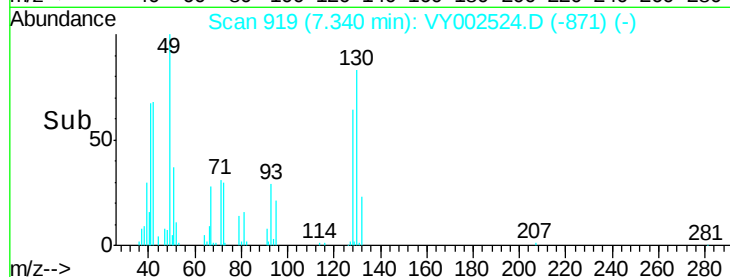
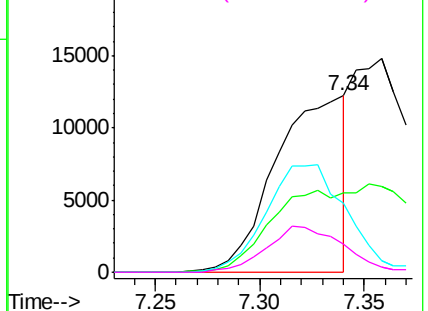


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 19.289 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY002524.D

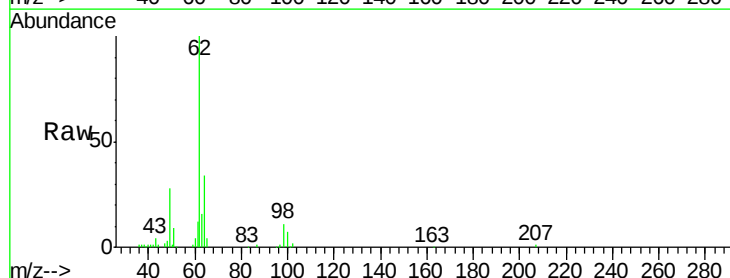
Acq: 01 May 2020 13:15

Tgt Ion: 62 Resp: 73411

Ion Ratio Lower Upper

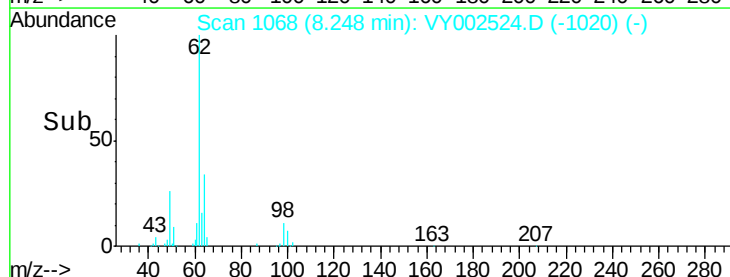
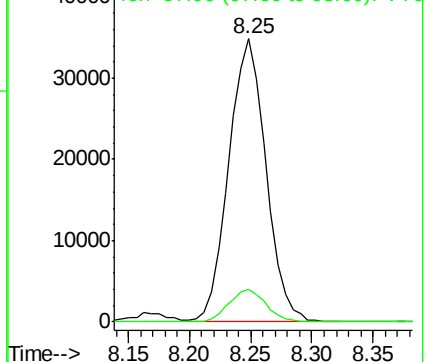
62 100

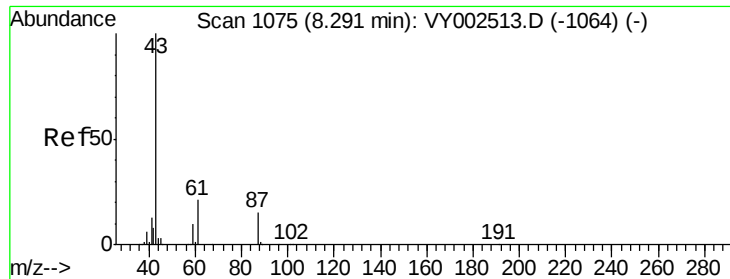
98 11.3 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 18.530 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

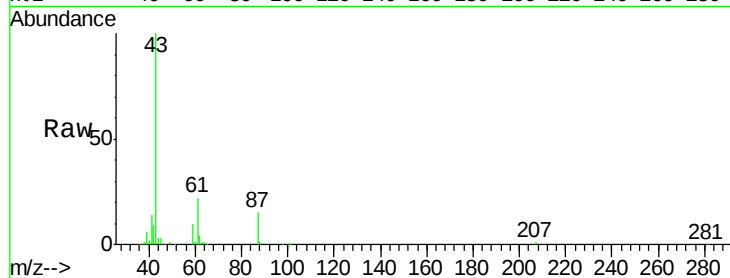
ClientSampleId :

VY0501SBSD01

Tot Ion:	43	Resp:	83858
Ion	Ratio	Lower	Upper
43	100		
61	32.0	24.8	37.2
87	14.8	12.2	18.2

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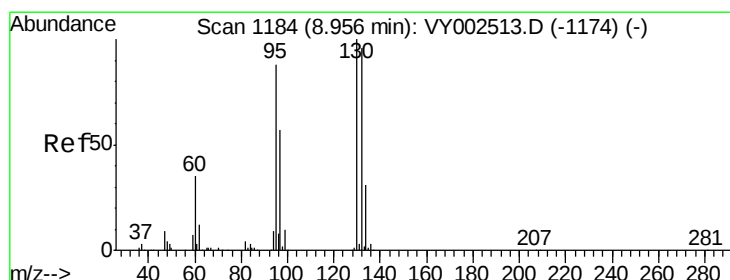
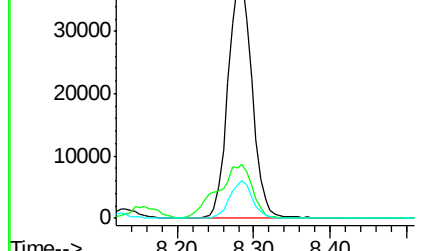
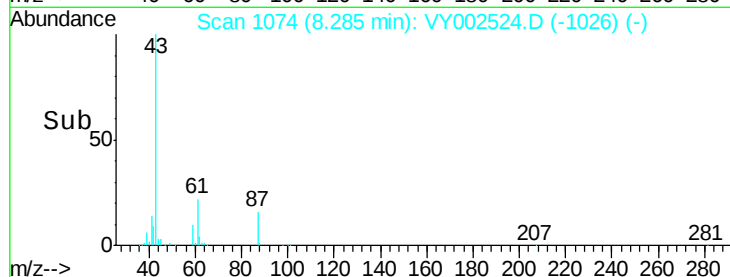


Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY002513.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY002513.D (-1064) (-)

Time-->



#44

Trichloroethene

Concen: 19.469 ug/l

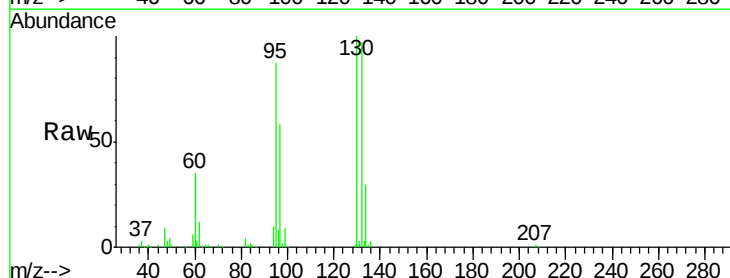
RT: 8.95 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

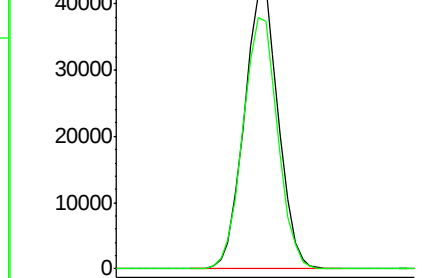
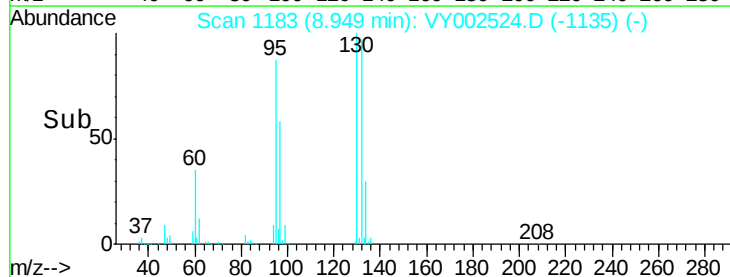
Tgt Ion:	130	Resp:	82553
Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	175.8

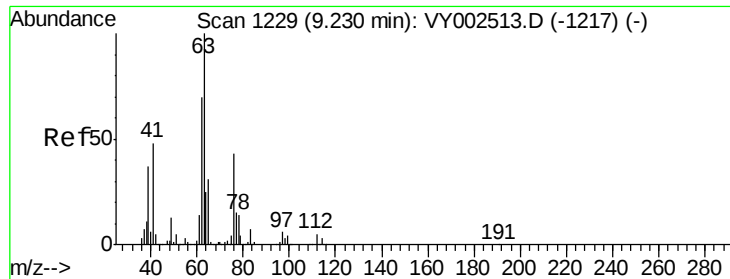


Abundance Ion 129.80 (129.50 to 130.50): VY002513.D (-1174) (-)

Ion 94.90 (94.60 to 95.60): VY002513.D (-1174) (-)

Time-->





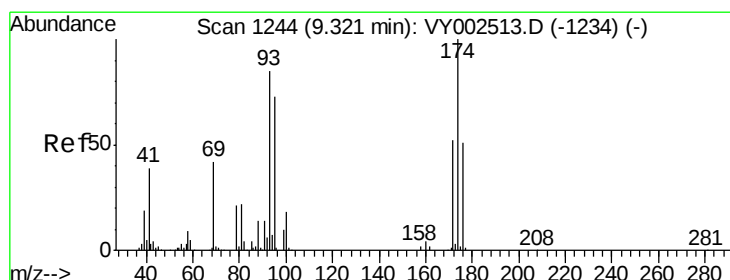
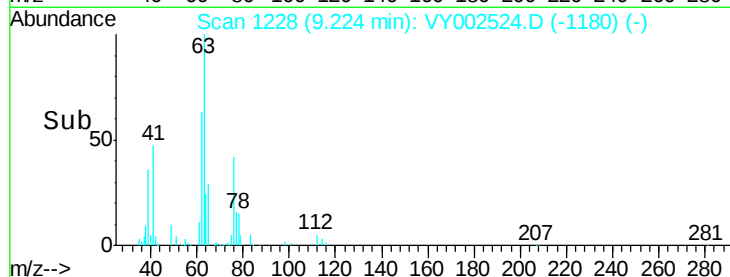
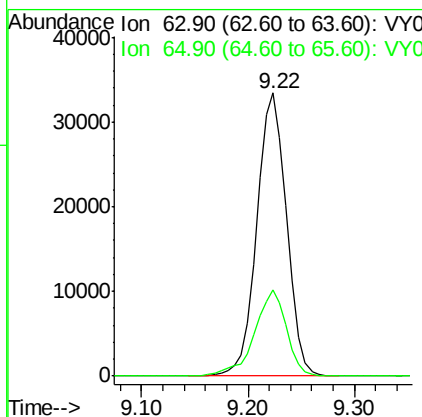
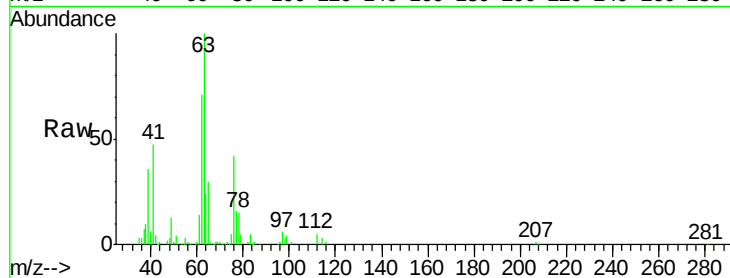
#45
 1,2-Dichloropropane
 Concen: 19.978 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.5	36.7

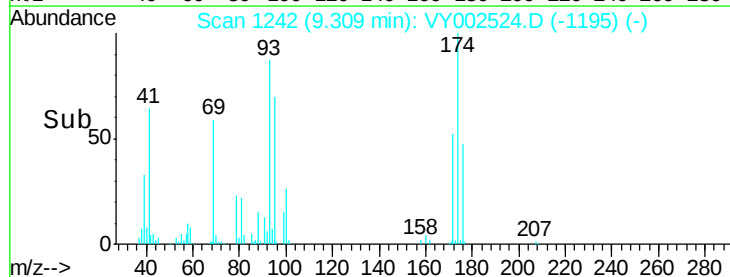
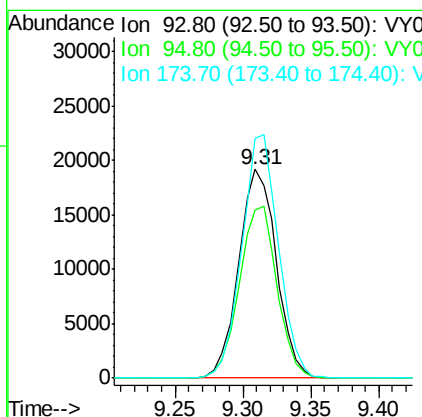
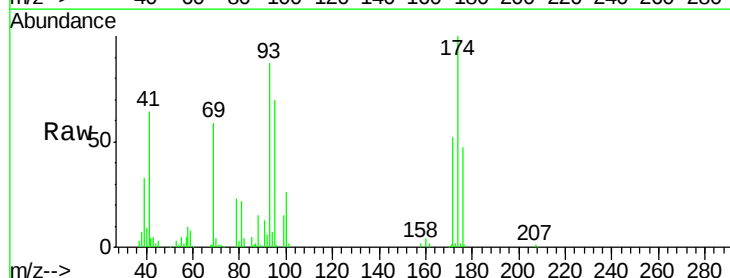
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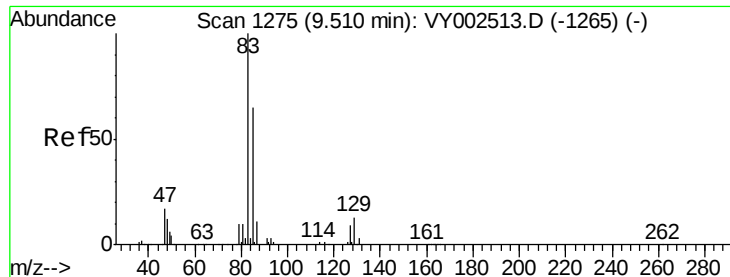
MMDadoda
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#46
 Dibromomethane
 Concen: 19.723 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	67.0	100.4
174	113.4	92.7	139.1





#47

Bromodichloromethane

Concen: 19.654 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

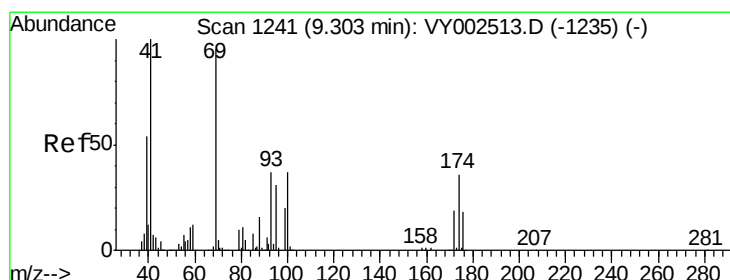
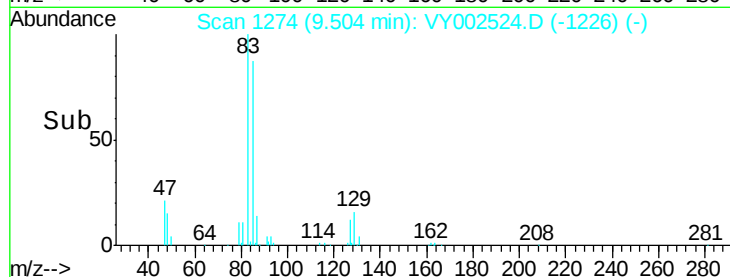
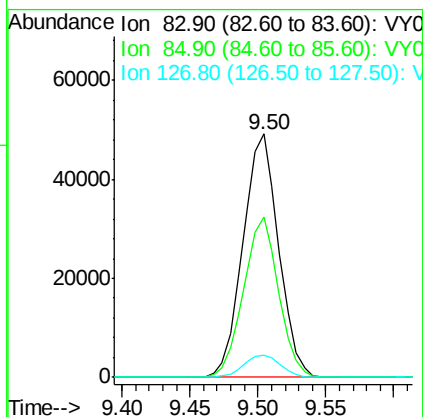
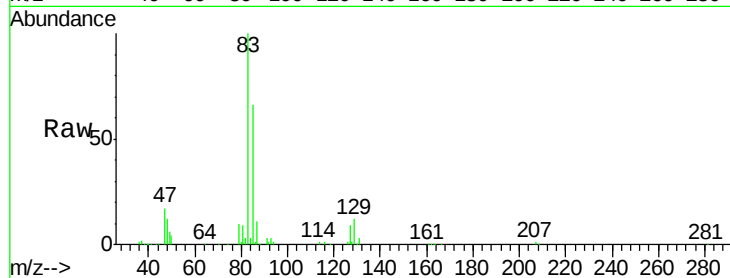
ClientSampleId :

VY0501SBSD01

Tot Ion:	83	Resp:	90036
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.8	77.8
127	9.3	7.4	11.0

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#48

Methyl methacrylate

Concen: 18.748 ug/l

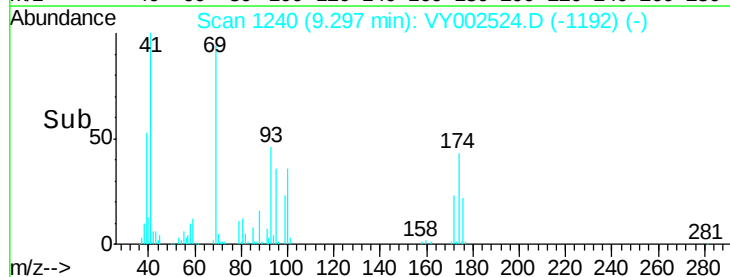
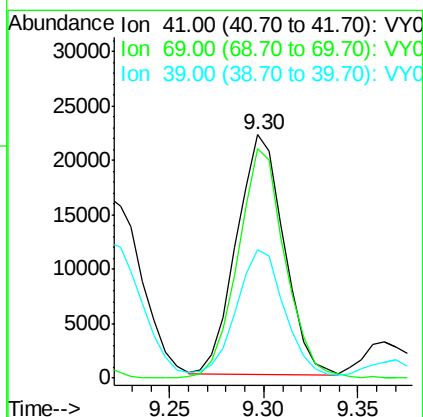
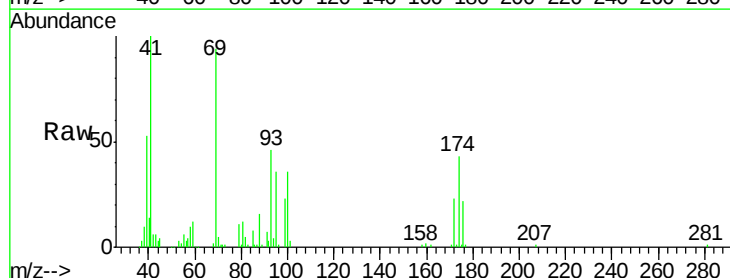
RT: 9.30 min Scan# 1240

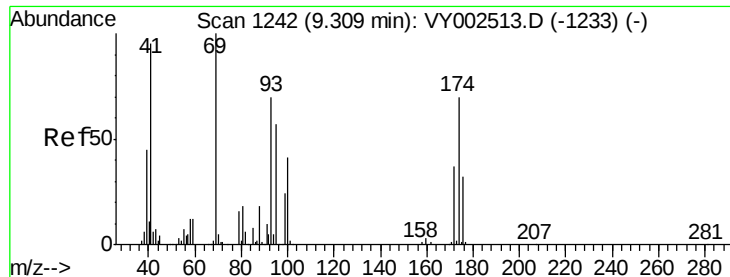
Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Tgt Ion:	41	Resp:	38398
Ion Ratio	Lower	Upper	
41	100		
69	95.3	76.2	114.4
39	55.5	42.7	64.1





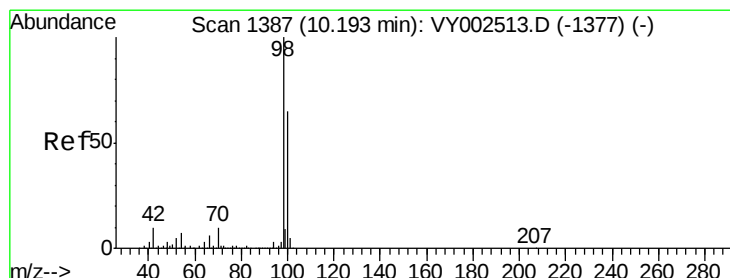
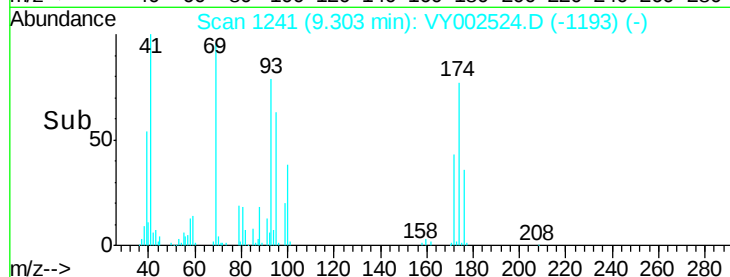
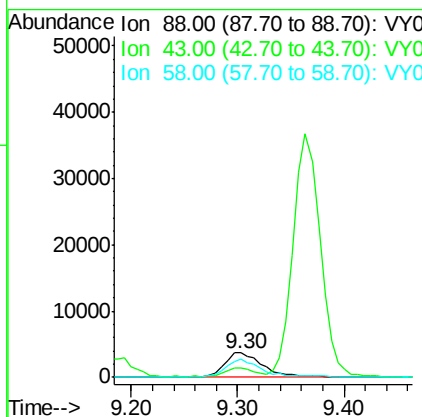
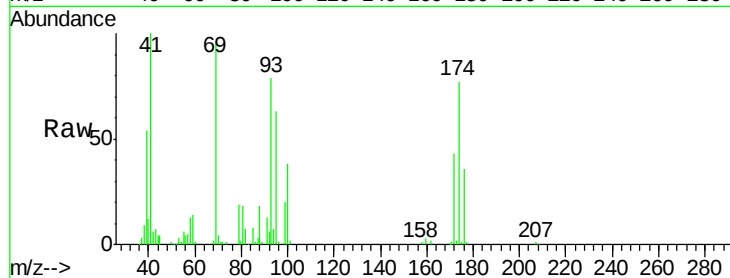
#49
1,4-Dioxane
Concen: 375.622 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion	88	Resp	9370
Ion	Ratio	Lower	Upper
88	100		
43	29.6	22.8	34.2
58	64.6	51.4	77.2

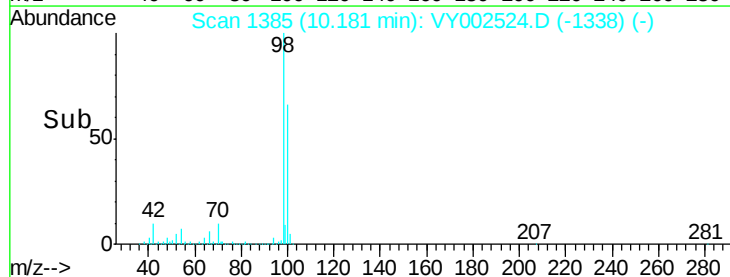
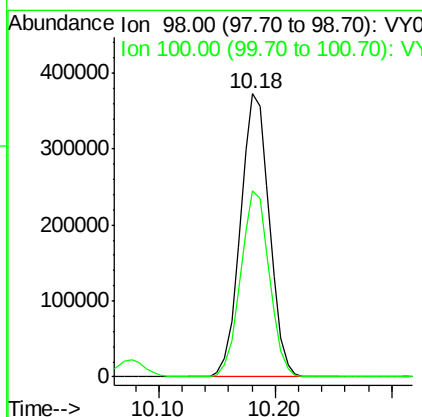
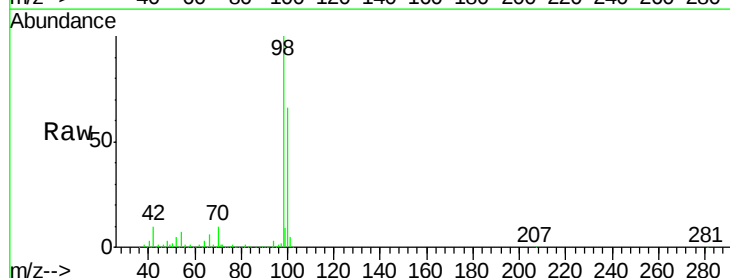
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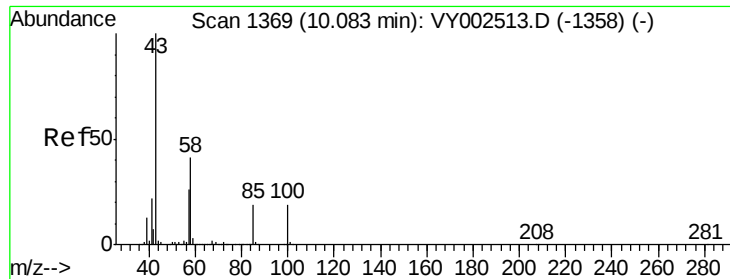
MMDadoda
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#50
Toluene-d8
Concen: 51.386 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	98	Resp	643100
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 93.944 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBSD01

Tot Ion: 43 Resp: 219139

Ion Ratio Lower Upper

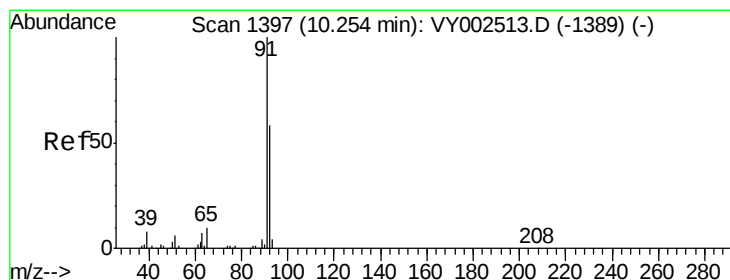
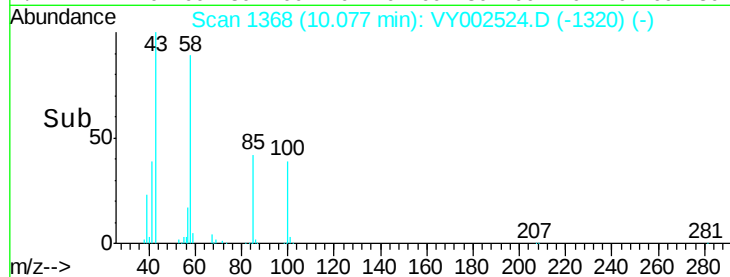
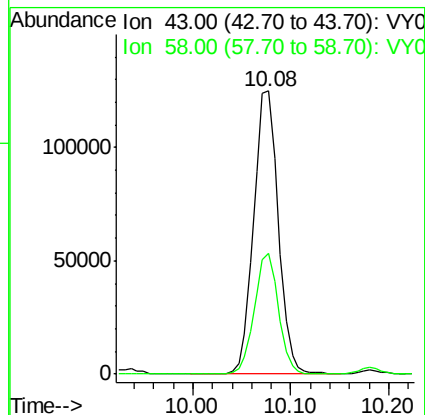
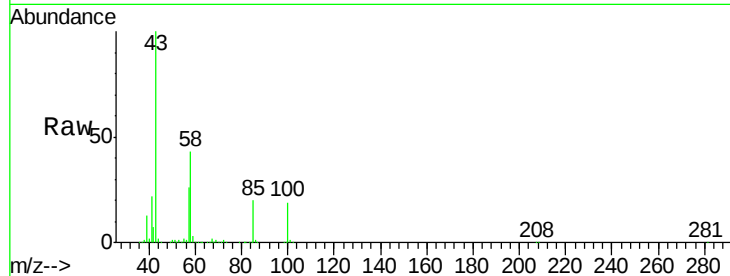
43 100

58 41.6 33.2 49.8

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#52

Toluene

Concen: 20.042 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY002524.D

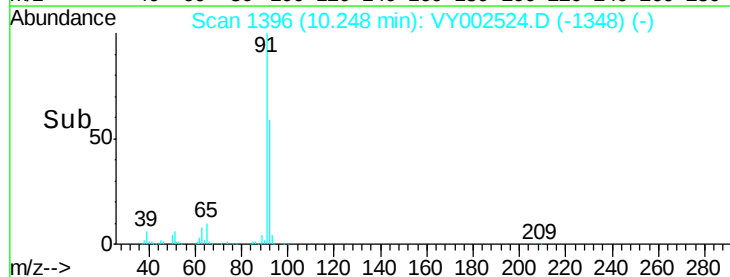
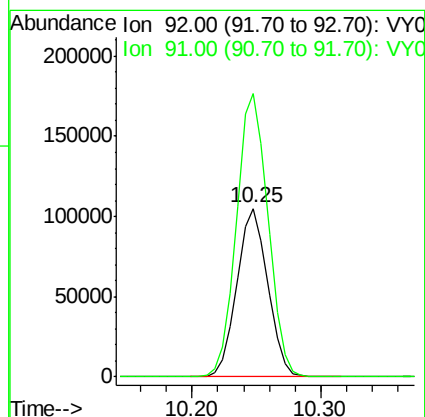
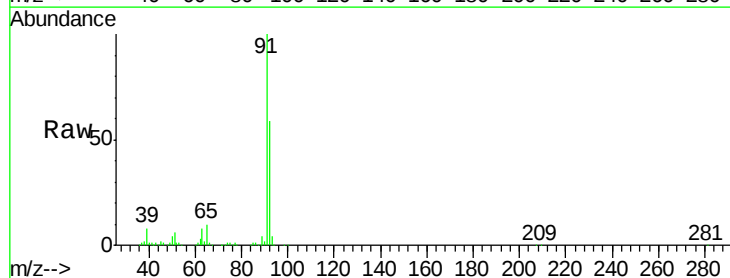
Acq: 01 May 2020 13:15

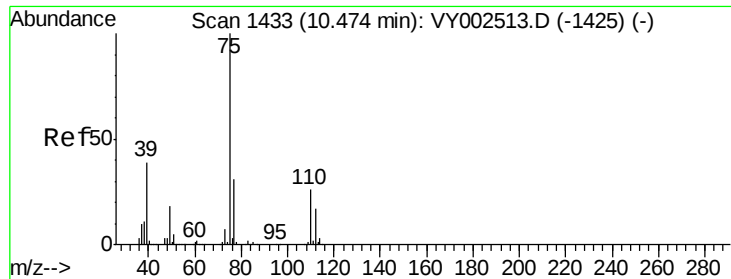
Tgt Ion: 92 Resp: 174760

Ion Ratio Lower Upper

92 100

91 170.7 139.3 208.9





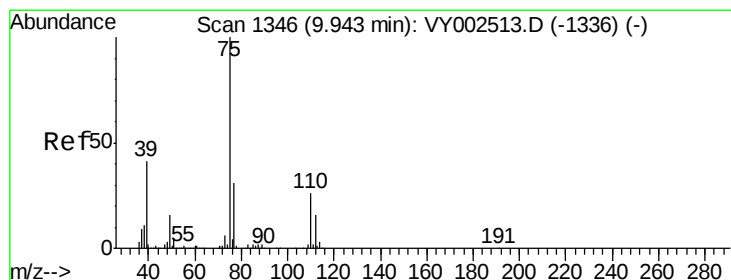
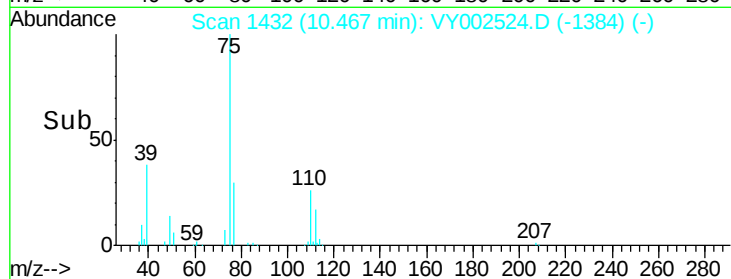
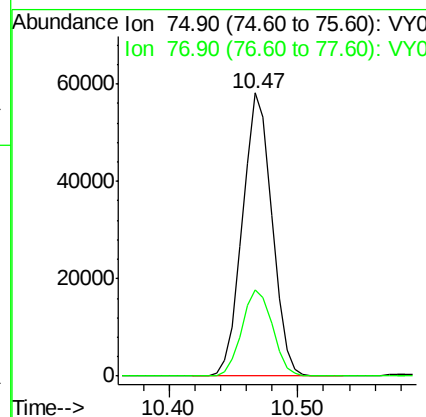
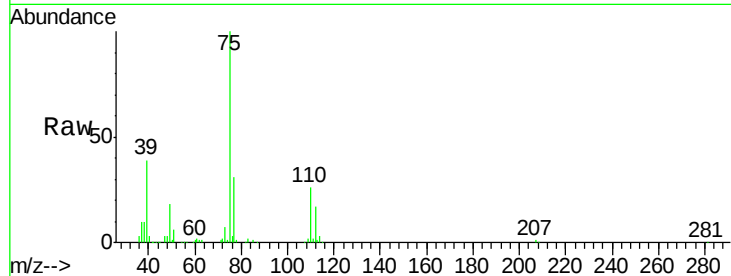
#53
 t-1,3-Dichloropropene
 Concen: 19.233 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.0	37.6

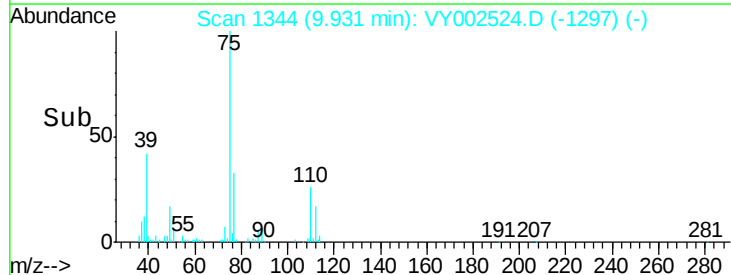
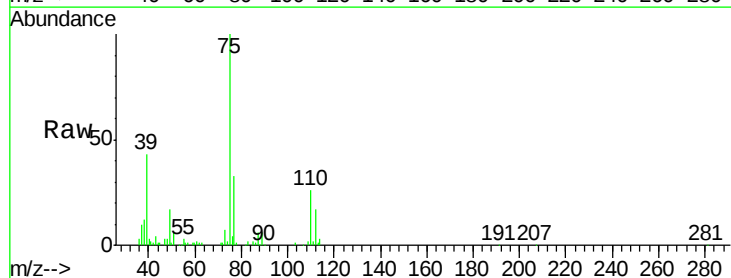
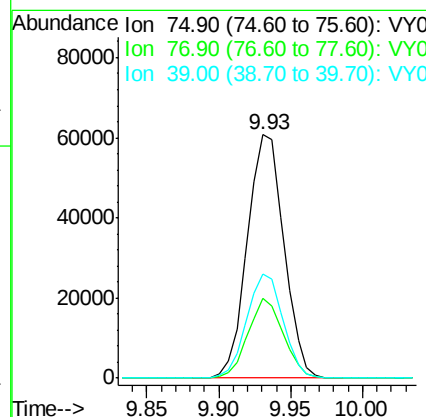
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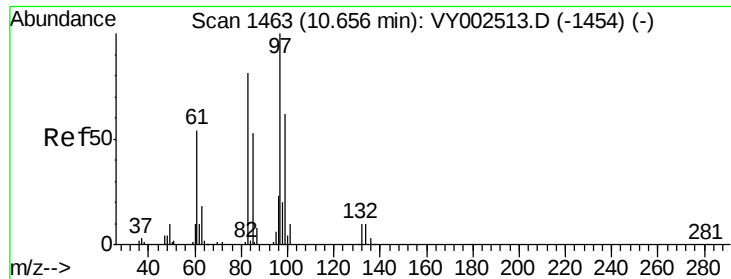
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.246 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.1	37.7
39	42.6	32.7	49.1





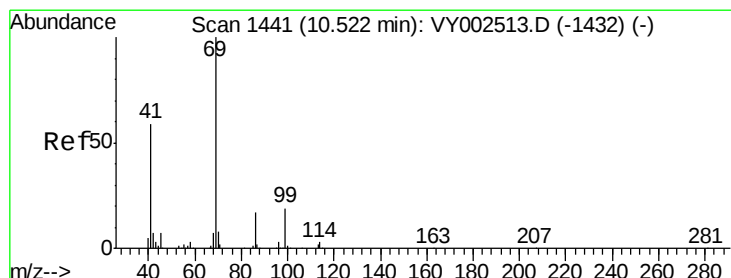
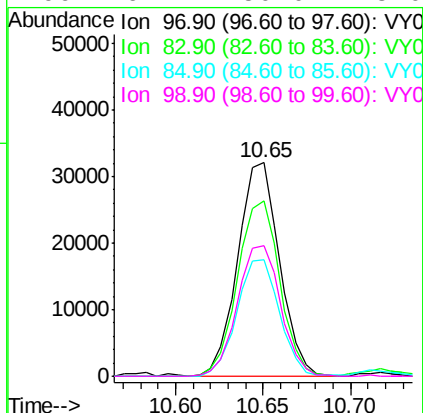
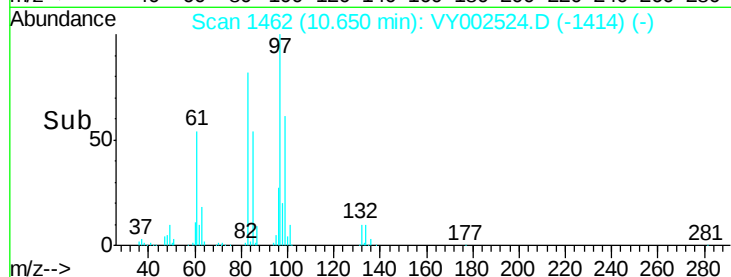
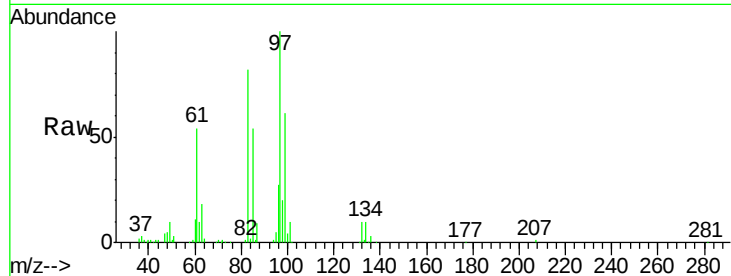
#55
 1,1,2-Trichloroethane
 Concen: 19.456 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBSD01

Tot Ion:	97	Resp:	53454
Ion	Ratio	Lower	Upper
97	100		
83	82.2	65.1	97.7
85	54.4	42.7	64.1
99	61.4	50.0	75.0

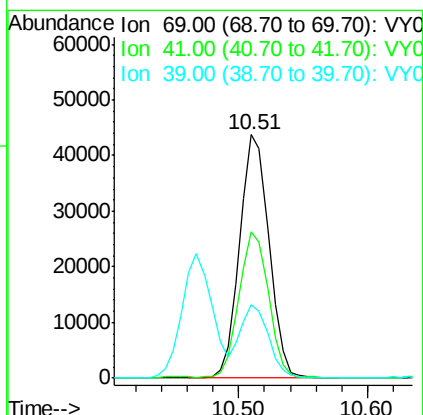
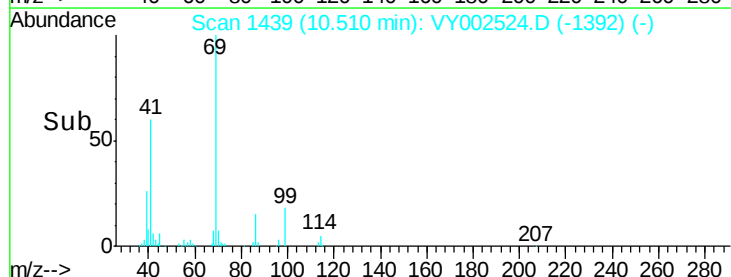
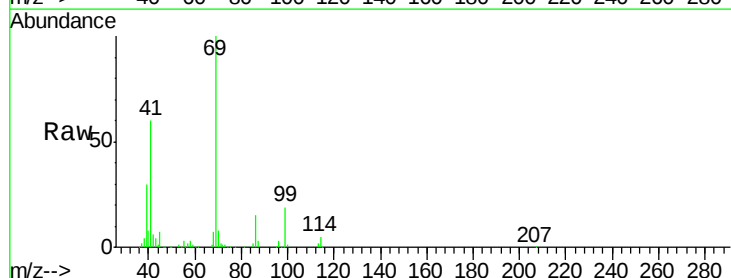
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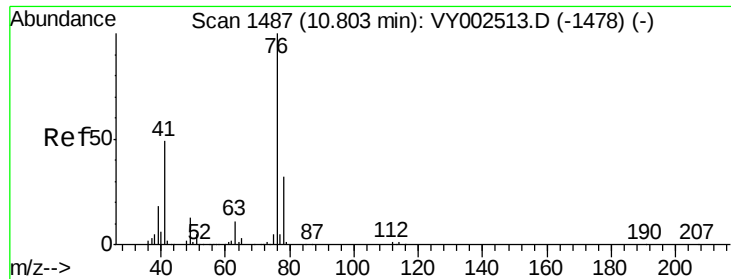
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 18.878 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Tgt Ion:	69	Resp:	68999
Ion	Ratio	Lower	Upper
69	100		
41	59.4	48.6	73.0
39	29.6	25.0	37.4





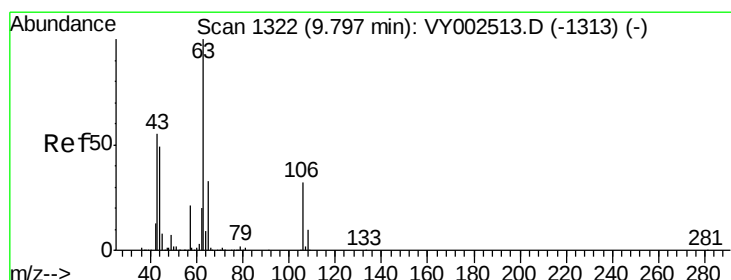
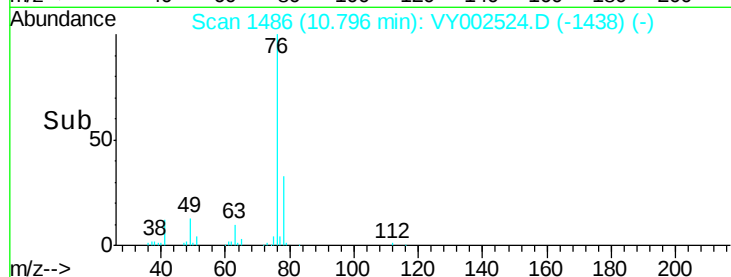
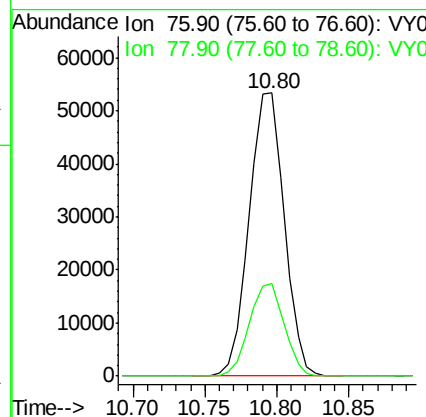
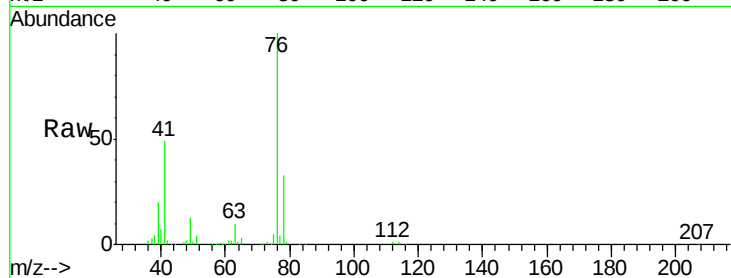
#57
 1,3-Dichloropropane
 Concen: 19.287 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.4	38.2

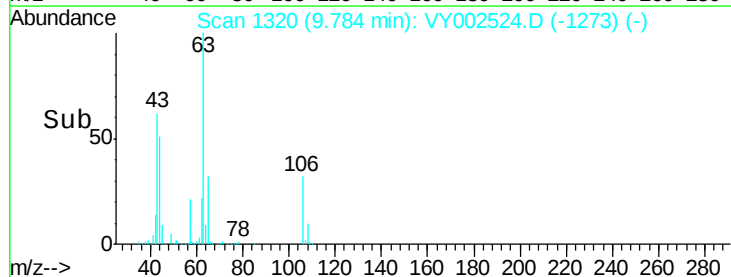
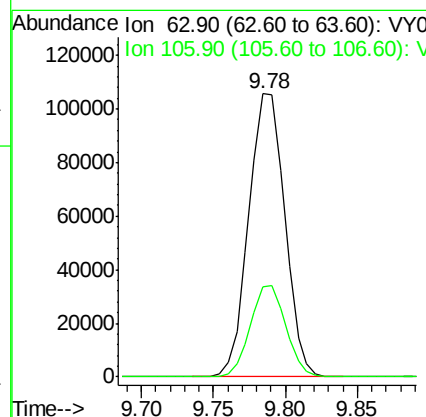
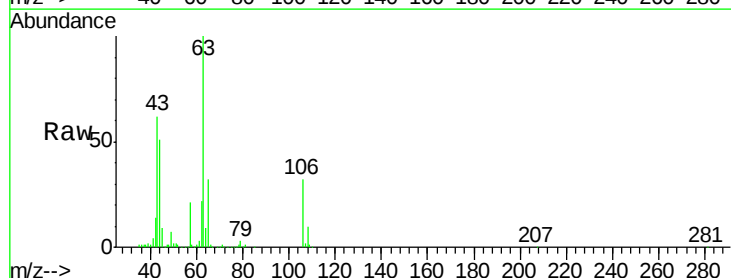
Manual Integrations
 APPROVED

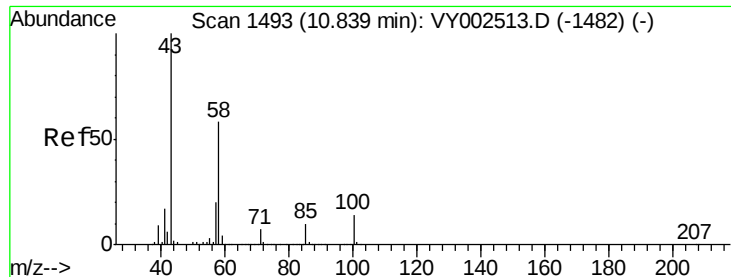
MMDadoda
 5/4/2020 2:19:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.363 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.5	25.2	37.8





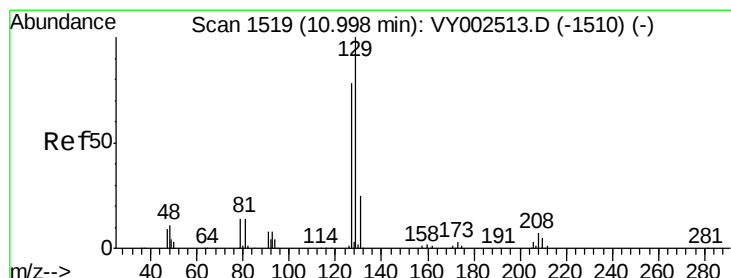
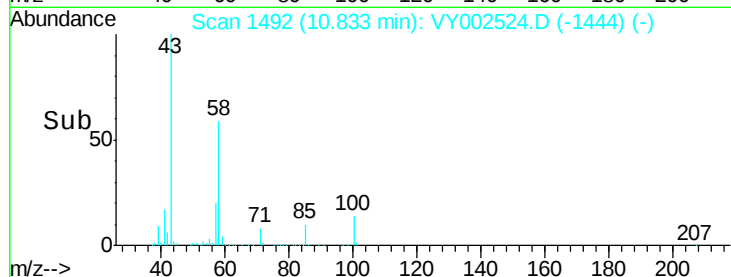
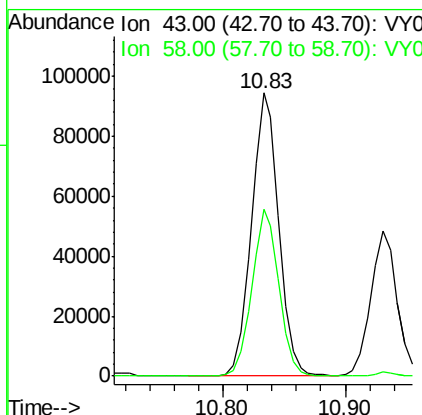
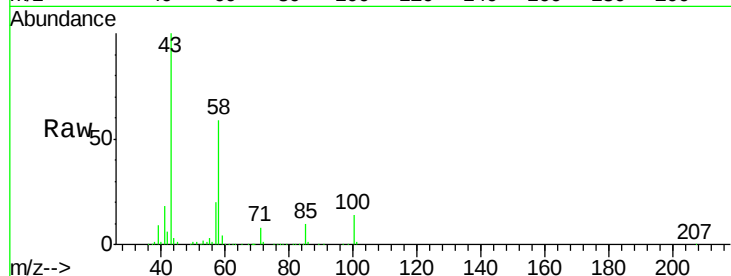
#59
2-Hexanone
Concen: 91.281 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion	43	Resp	146551
Ion Ratio	43	100	
Lower	58	58.3	29.1
Upper			87.3

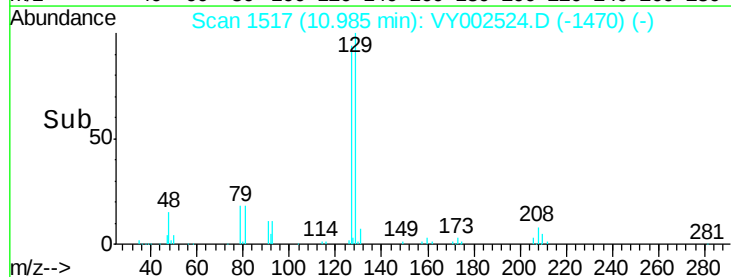
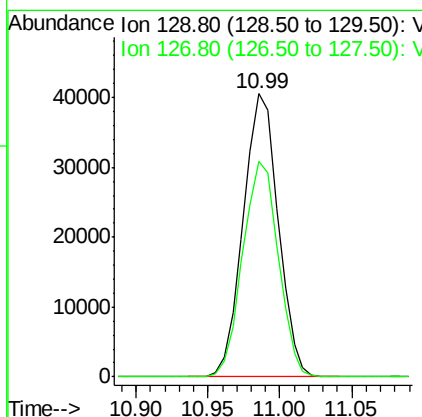
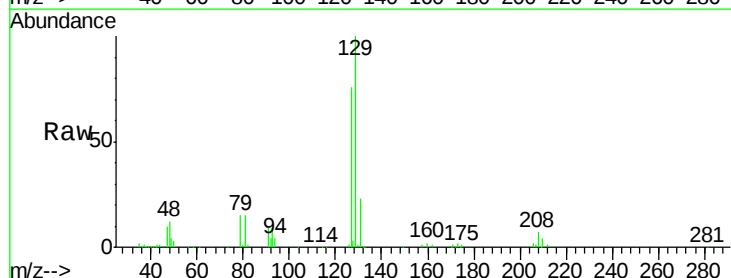
Manual Integrations
APPROVED

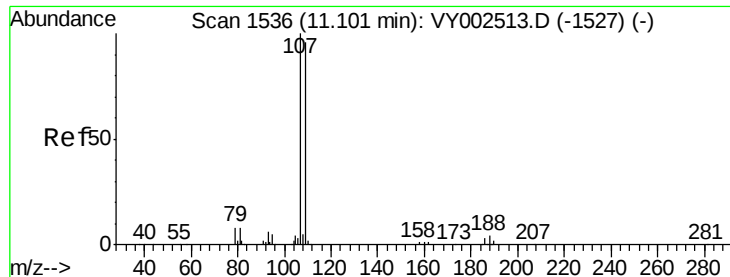
MMDadoda
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#60
Dibromochloromethane
Concen: 19.520 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	129	Resp	68209
Ion Ratio	129	100	
Lower	127	77.5	39.0
Upper			117.0





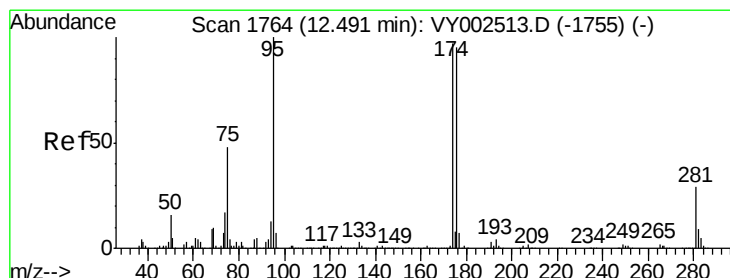
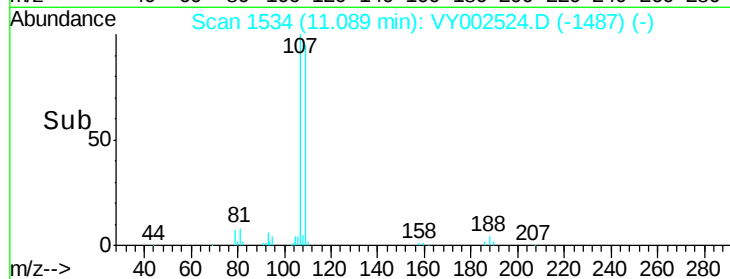
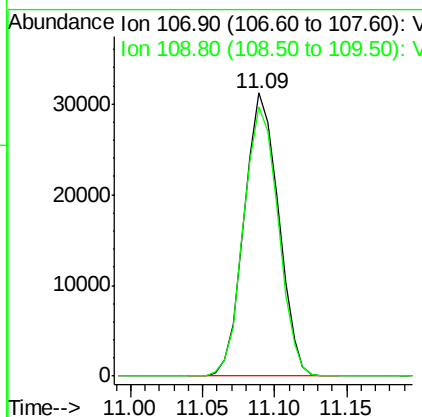
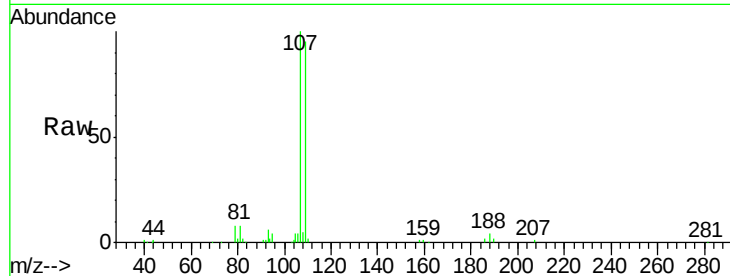
#61
 1,2-Dibromoethane
 Concen: 18.992 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBSD01

Tot Ion: 107 Resp: 51668
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.8 113.8

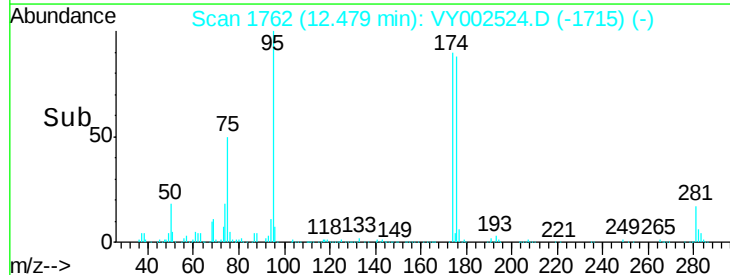
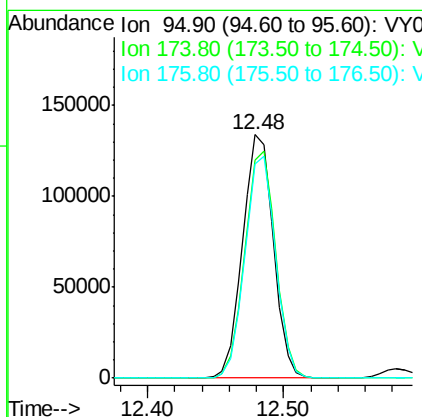
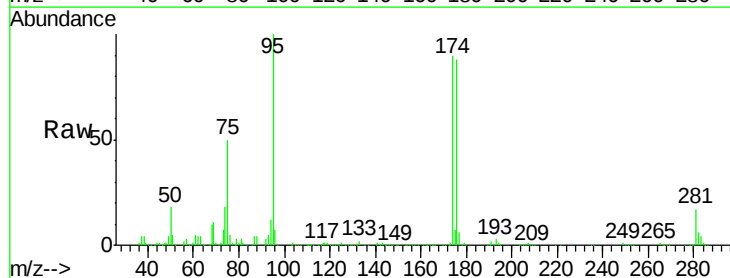
Manual Integrations
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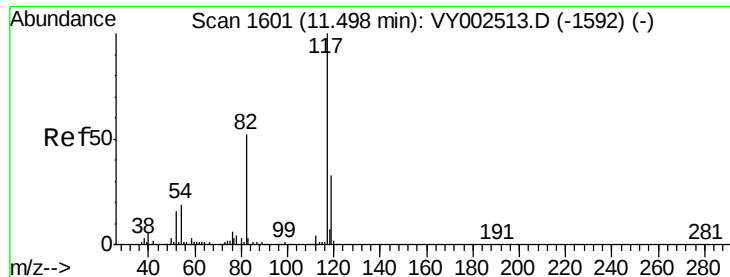
MMDadoda
 5/4/2020 2:19:17 PM



#62
 4-Bromofluorobenzene
 Concen: 49.981 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Tgt Ion: 95 Resp: 212254
 Ion Ratio Lower Upper
 95 100
 174 93.8 0.0 188.8
 176 90.9 0.0 183.2





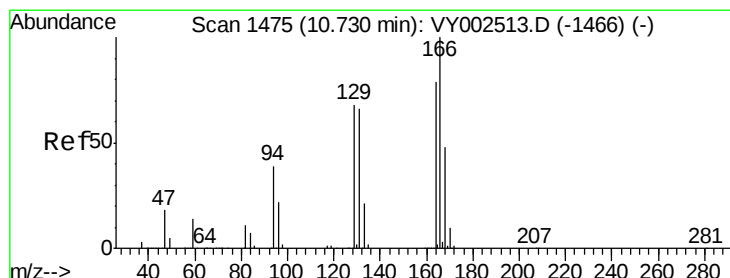
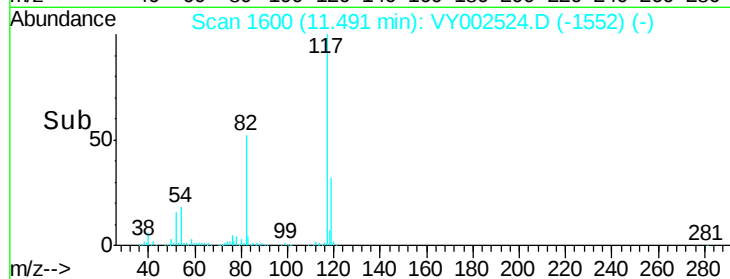
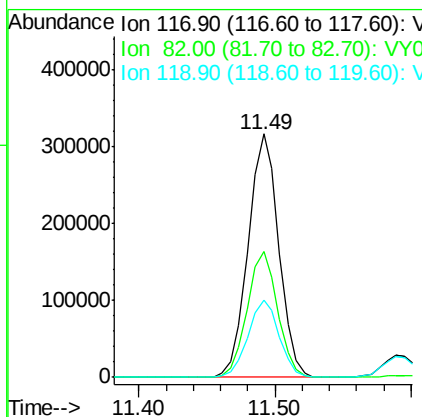
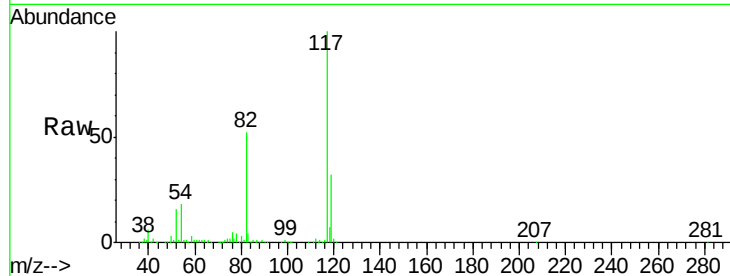
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	498321		
82	51.6	41.3	61.9	
119	32.0	26.0	39.0	

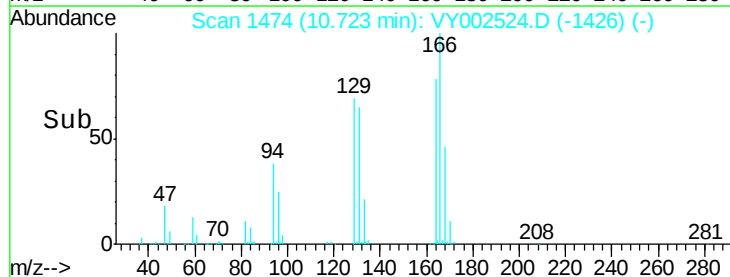
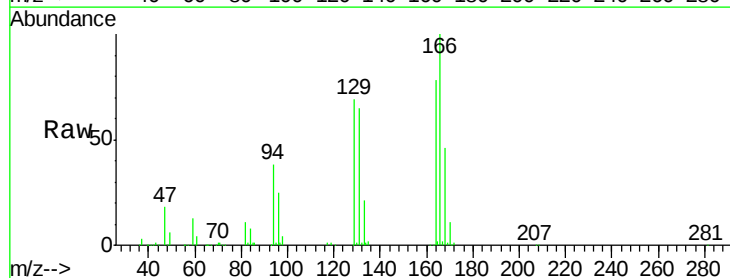
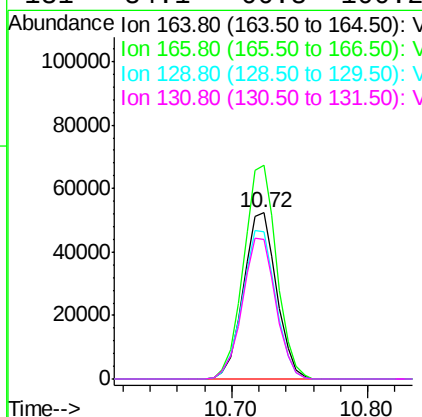
Manual Integrations
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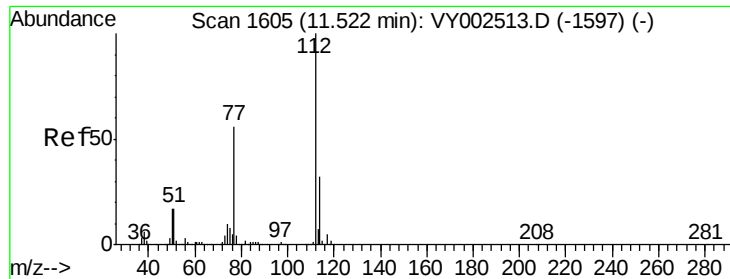
MMDadoda
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#64
Tetrachloroethene
Concen: 20.079 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88902		
166	128.7	100.7	151.1	
129	88.8	68.3	102.5	
131	84.1	66.8	100.2	





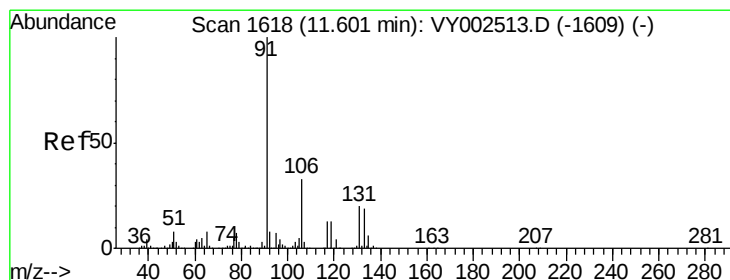
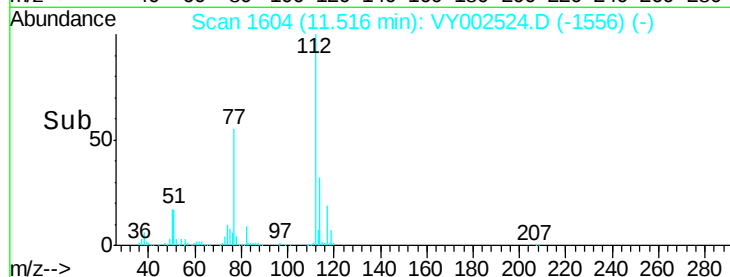
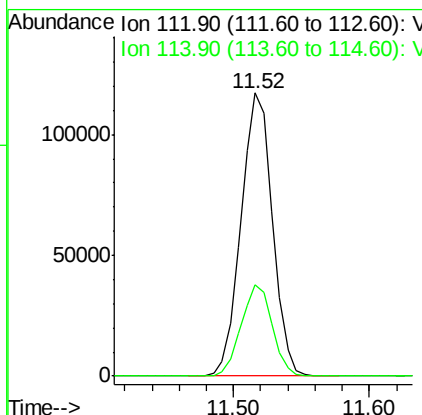
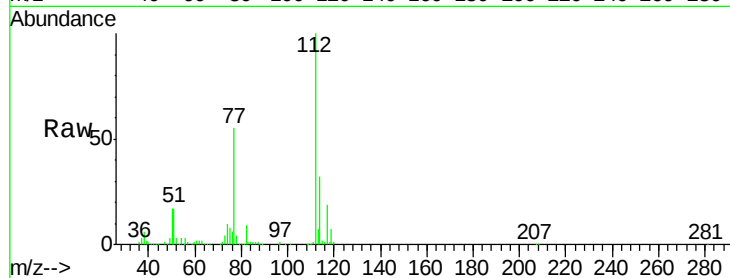
#65
Chlorobenzene
Concen: 19.959 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.6

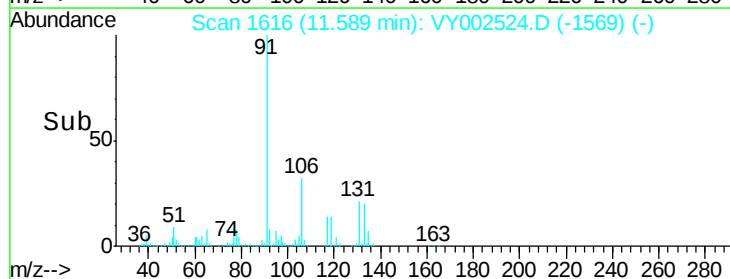
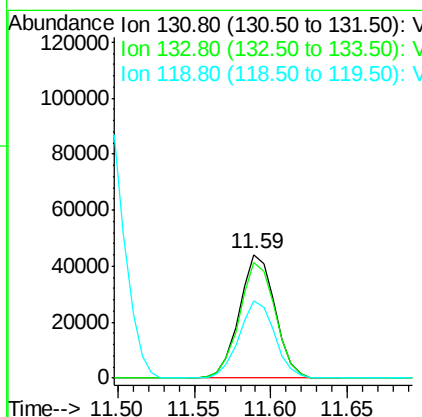
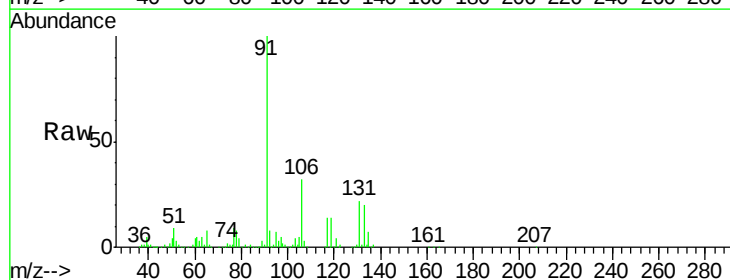
Manual Integrations
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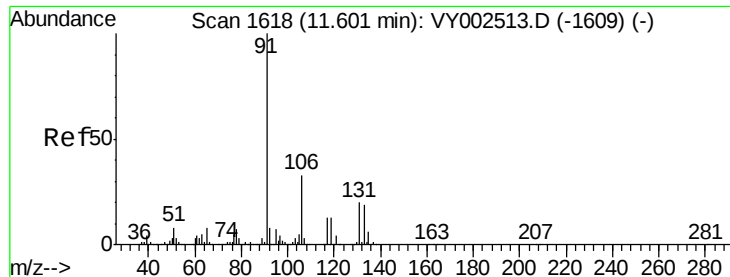
MMDadoda
5/4/2020 2:19:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.305 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.1	144.4
119	62.7	31.6	95.0





#67

Ethyl Benzene

Concen: 20.204 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBSD01

Tot Ion: 91 Resp: 336202

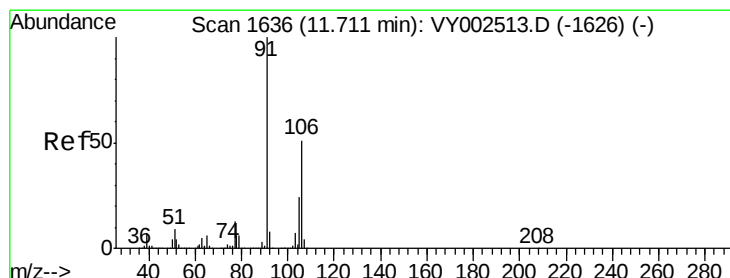
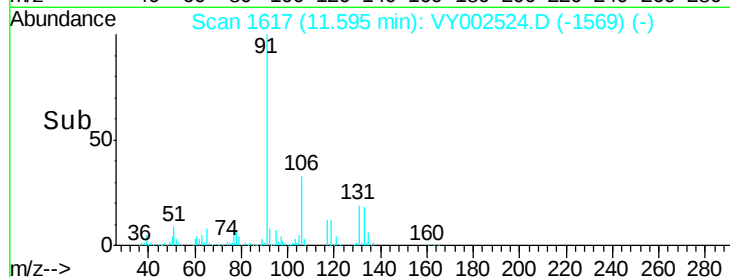
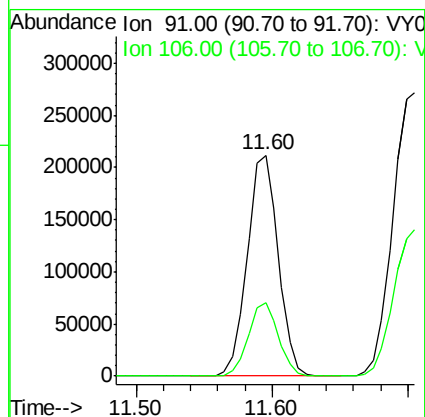
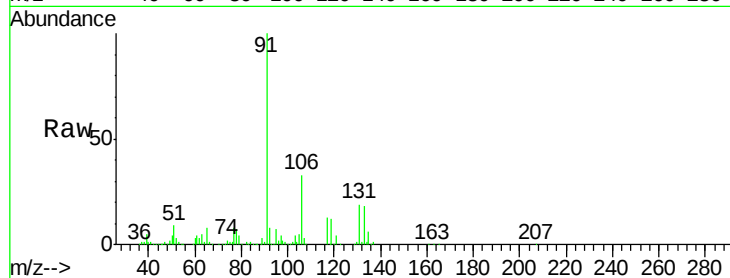
Ion Ratio Lower Upper

91 100

106 33.3 26.1 39.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.209 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002524.D

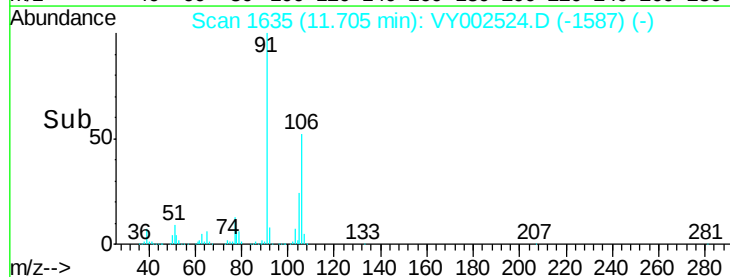
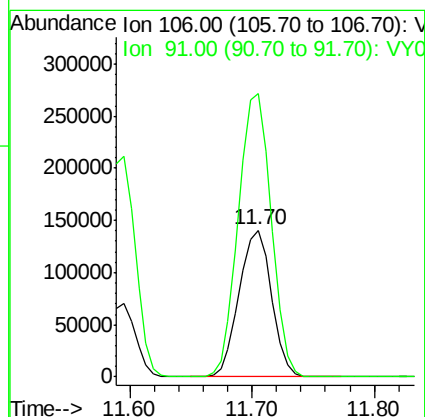
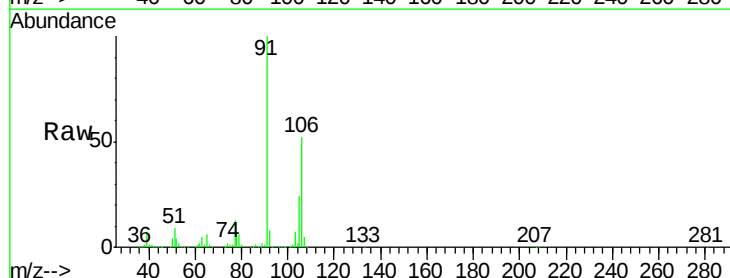
Acq: 01 May 2020 13:15

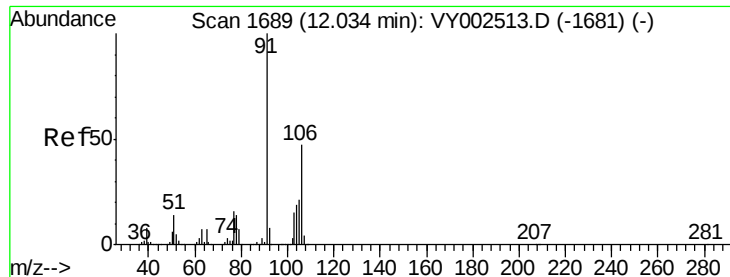
Tgt Ion: 106 Resp: 258885

Ion Ratio Lower Upper

106 100

91 196.1 155.2 232.8





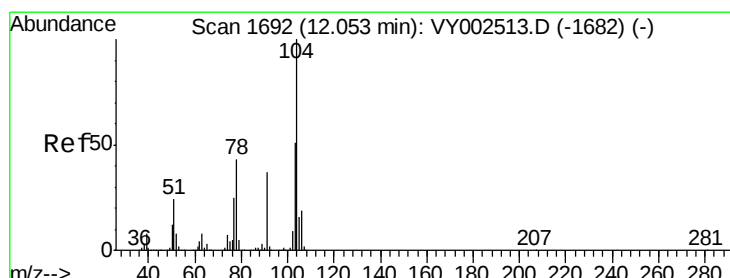
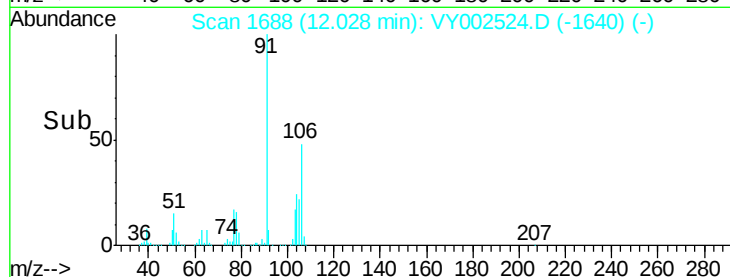
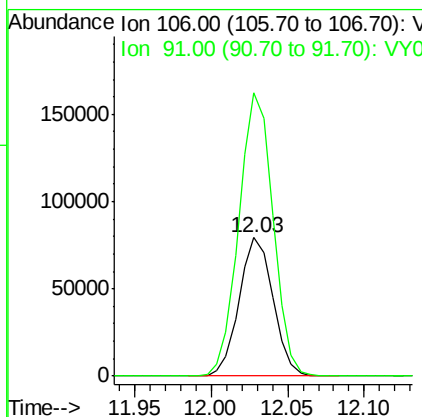
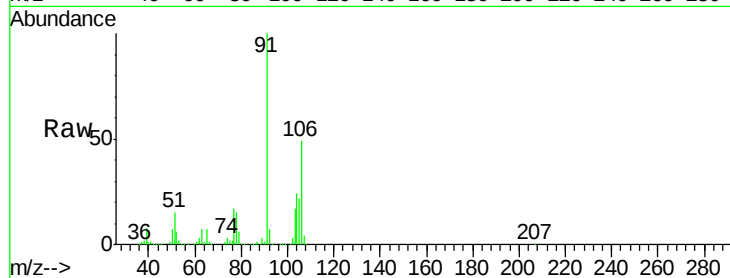
#69
o-Xylene
Concen: 20.232 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	121965		
91	91	206.3	103.8	311.3	

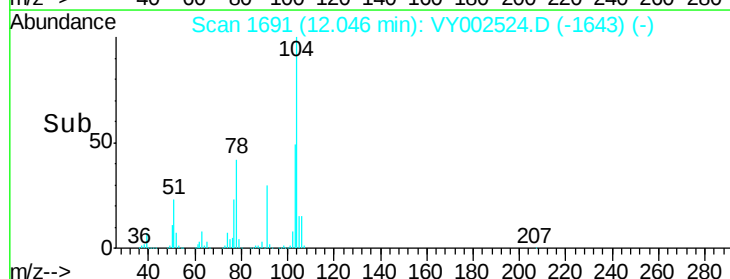
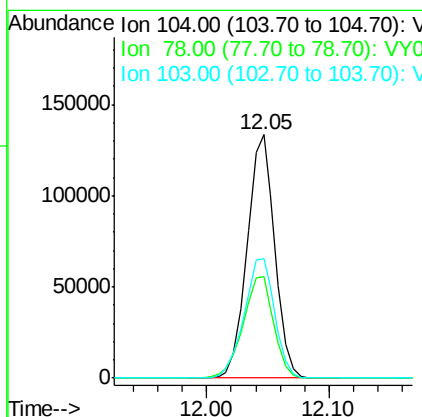
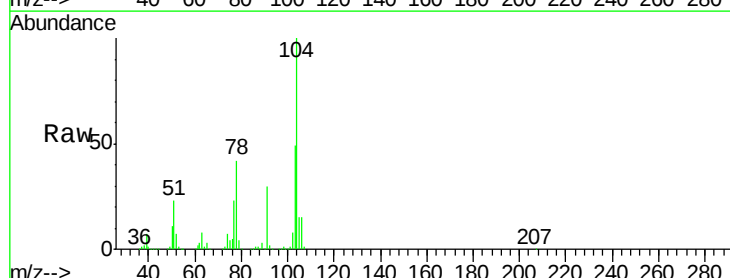
Manual Integrations
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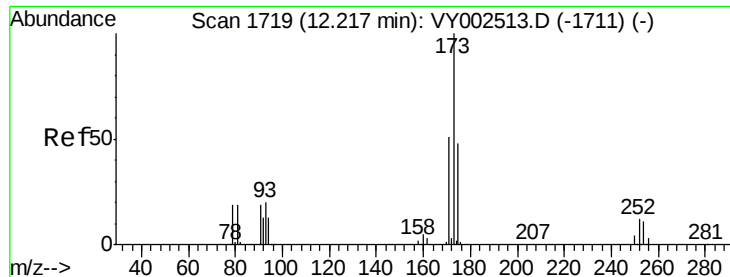
MMDadoda
5/4/2020 2:19:17 PM



#70
Styrene
Concen: 20.240 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	208590		
78	78	46.2	37.4	56.0	
103	103	54.6	43.9	65.9	





#71

Bromoform

Concen: 19.390 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

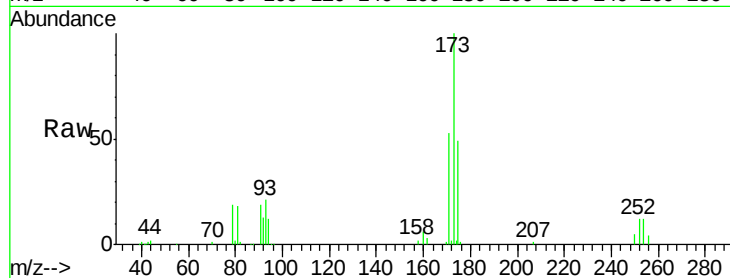
ClientSampleId :

VY0501SBSD01

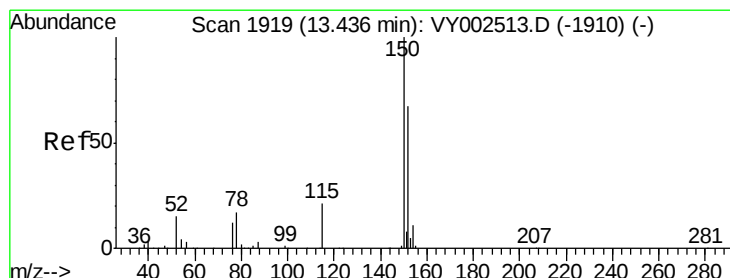
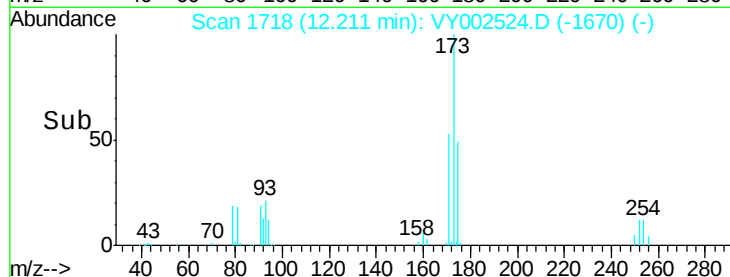
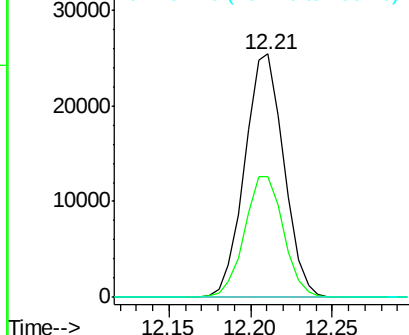
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	72.8
254	0.0	0.2	0.2

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

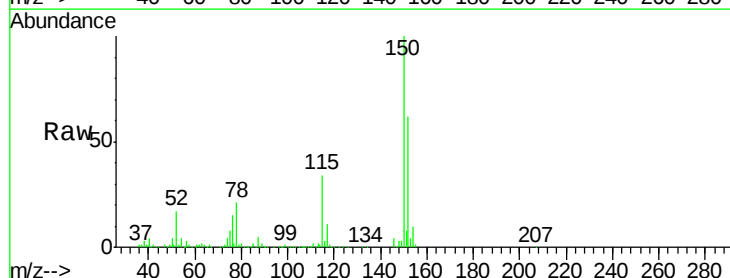
RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

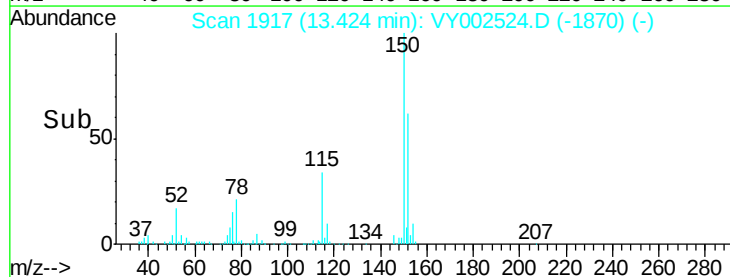
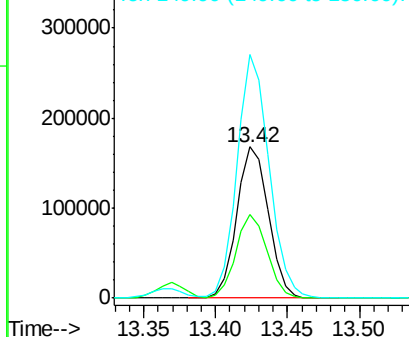
Lab File: VY002524.D

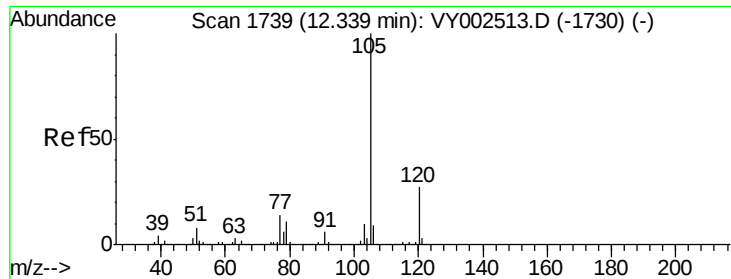
Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.5	82.4
150	163.3	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.291 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBSD01

Tot Ion:105 Resp: 336956

Ion Ratio Lower Upper

105 100

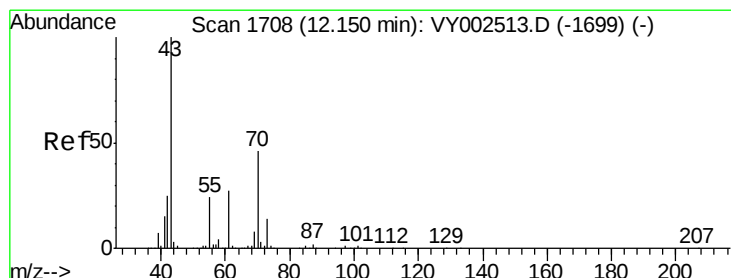
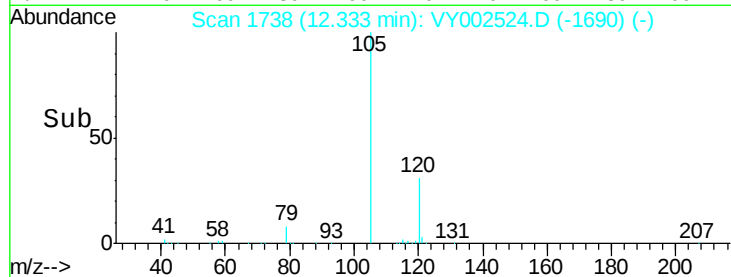
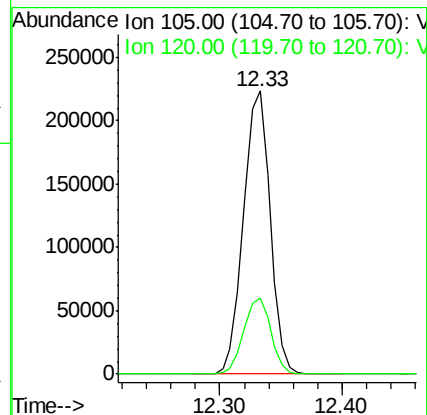
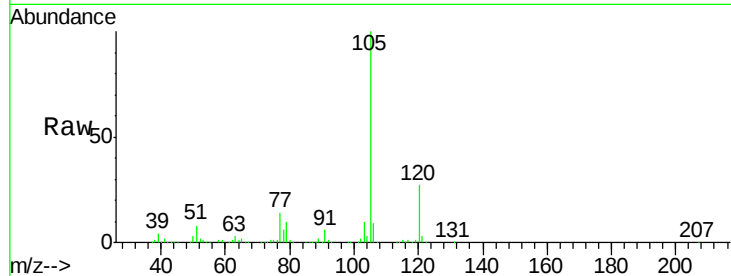
120 27.3 13.8 41.3

Manual Integrations

APPROVED

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#74

N-ethyl acetate

Concen: 19.069 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Tgt Ion: 43 Resp: 76174

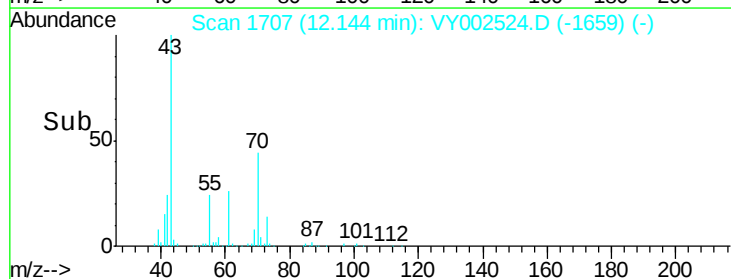
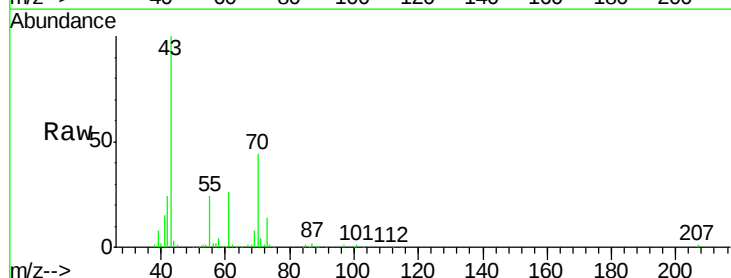
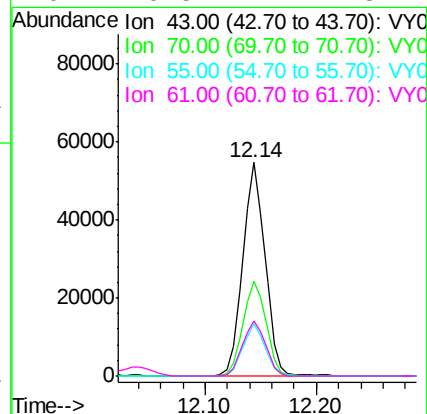
Ion Ratio Lower Upper

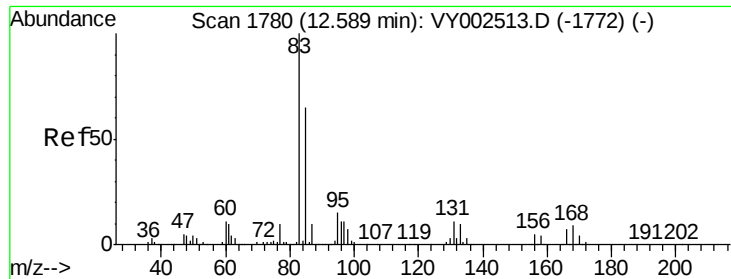
43 100

70 45.6 36.7 55.1

55 24.4 19.2 28.8

61 26.5 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.423 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

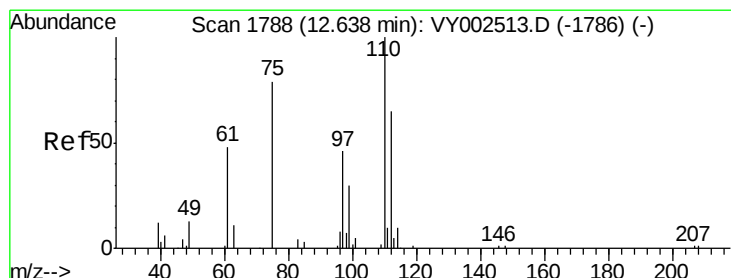
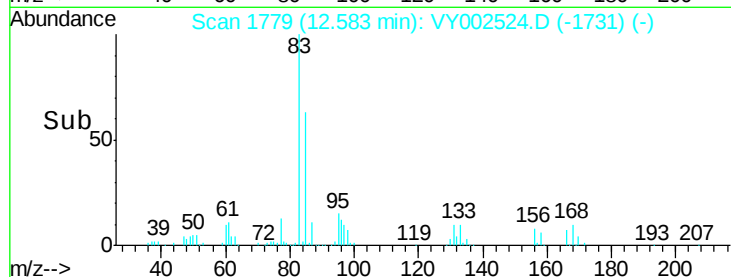
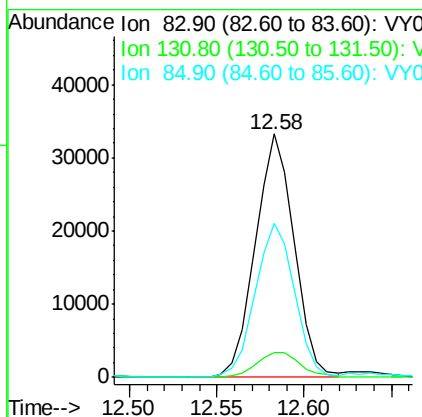
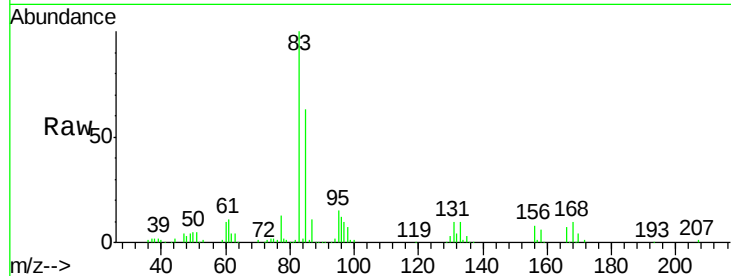
ClientSampleId :

VY0501SBSD01

Tot Ion:	83	Resp:	51296
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.9	17.8
85	63.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.640 ug/l m

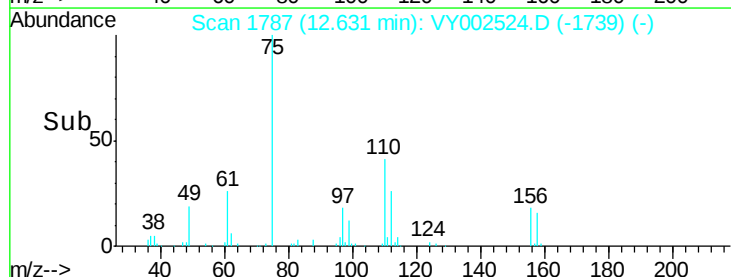
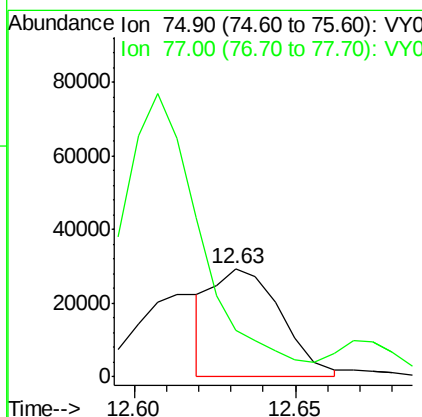
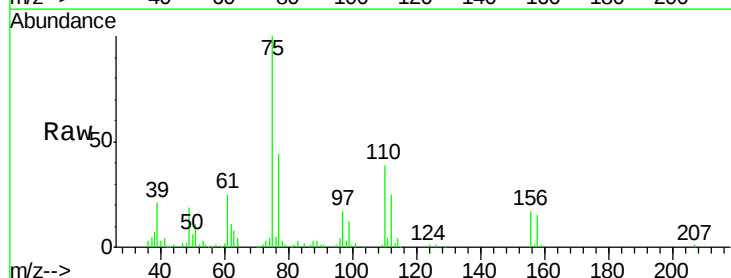
RT: 12.63 min Scan# 1787

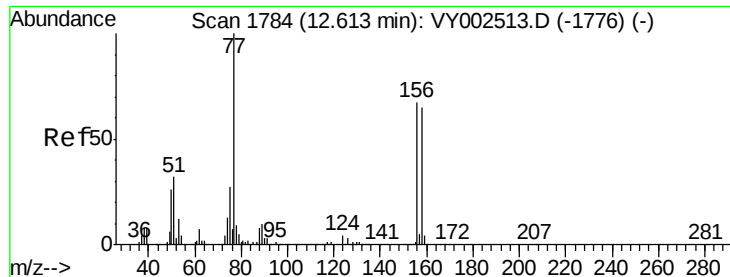
Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Tgt Ion:	75	Resp:	43416
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.254 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

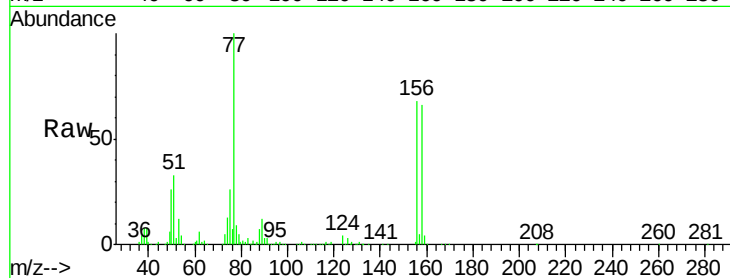
ClientSampleId :

VY0501SBSD01

Tot Ion:	156	Resp:	84030
Ion Ratio	Lower	Upper	
156	100		
77	161.8	82.0	245.8
158	94.0	48.5	145.6

Manual Integrations
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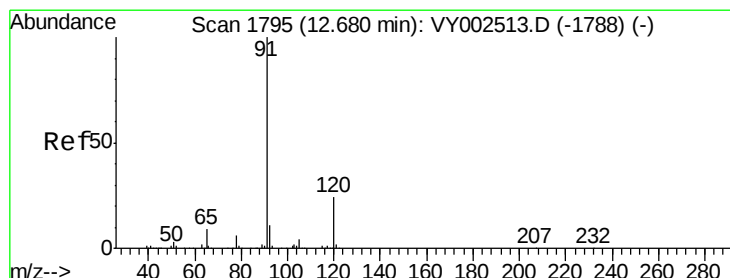
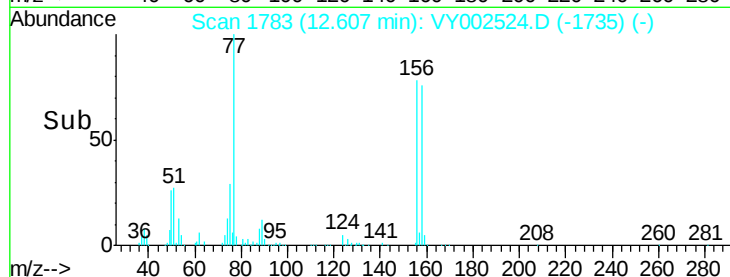
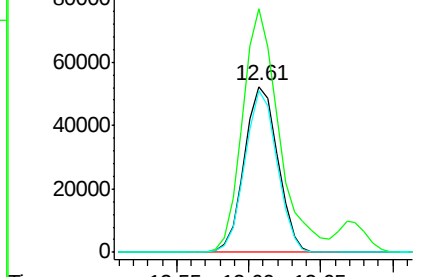
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): VY002513.D (-1776) (-)

Ion 77.00 (76.70 to 77.70): VY002513.D (-1776) (-)

Ion 157.80 (157.50 to 158.50): VY002513.D (-1776) (-)



#78

n-propylbenzene

Concen: 20.468 ug/l

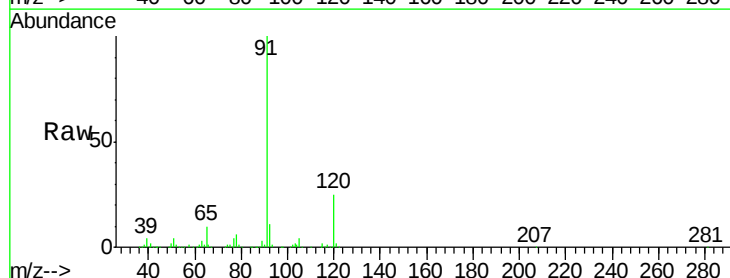
RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002524.D

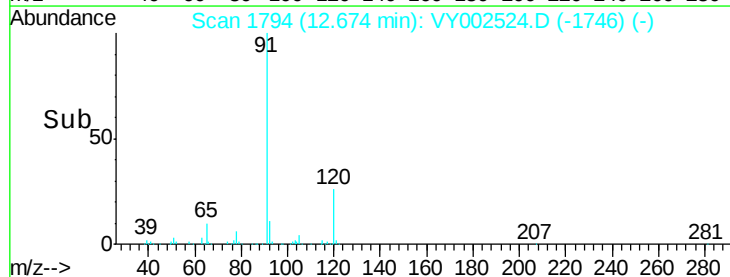
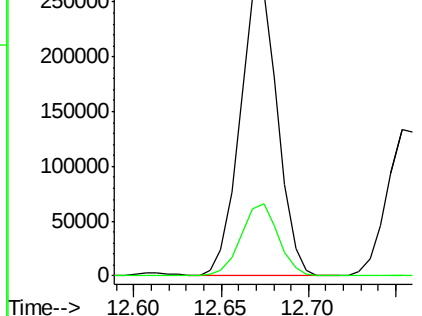
Acq: 01 May 2020 13:15

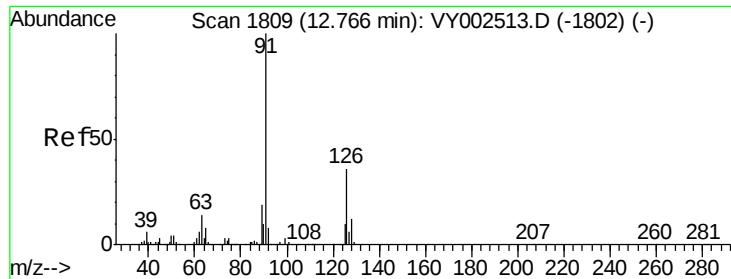
Tgt Ion:	91	Resp:	394449
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.2	36.4



Abundance Ion 91.00 (90.70 to 91.70): VY002513.D (-1788) (-)

Ion 120.00 (119.70 to 120.70): VY002513.D (-1788) (-)





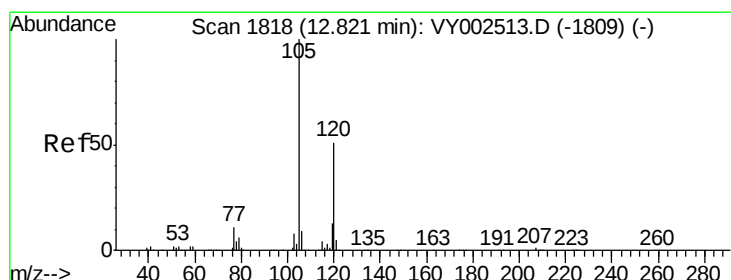
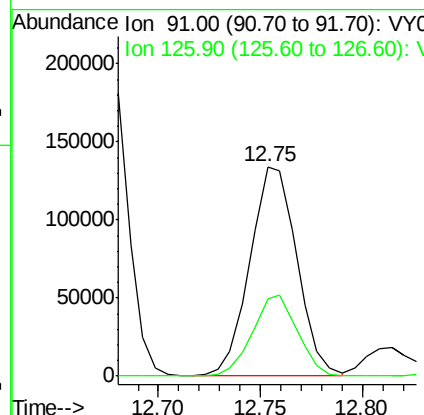
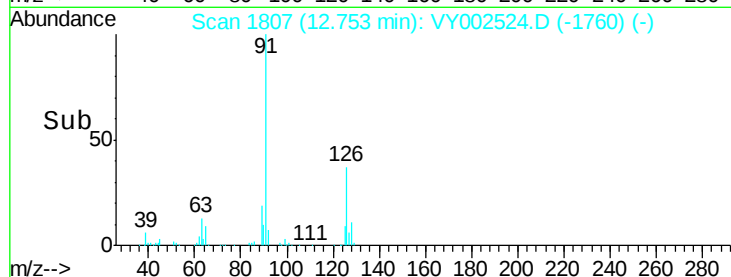
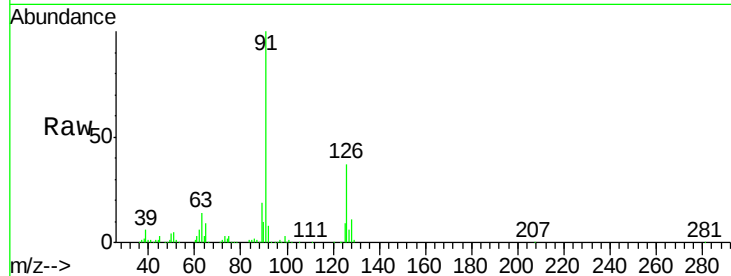
#79
2-Chlorotoluene
Concen: 20.168 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion: 91 Resp: 215294
Ion Ratio Lower Upper
91 100
126 37.1 18.4 55.2

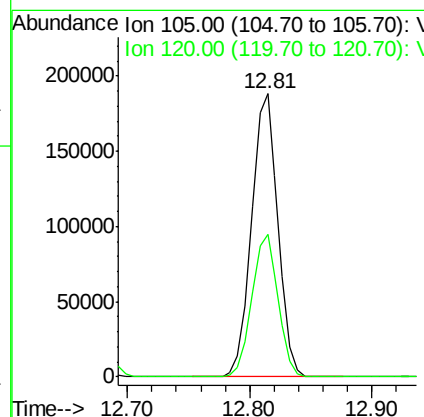
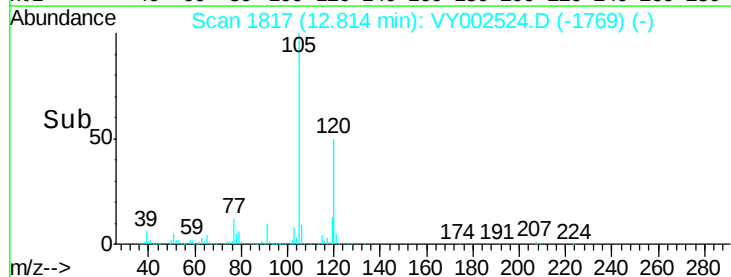
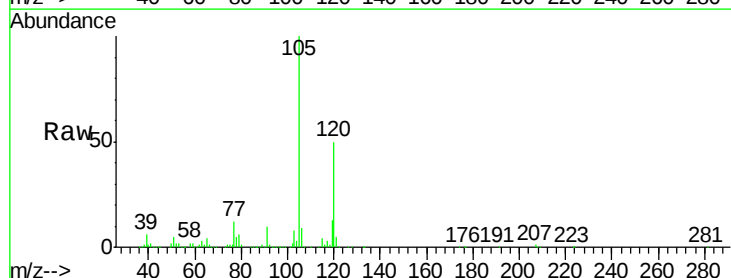
Manual Integrations
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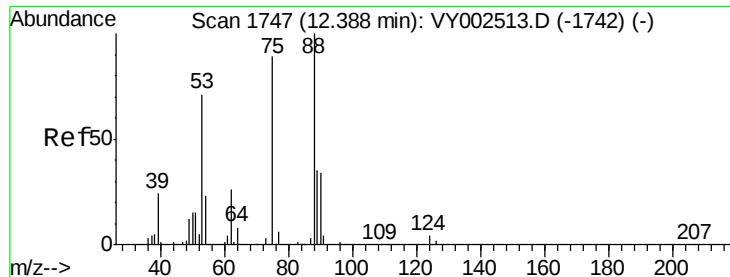
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.365 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion: 105 Resp: 280324
Ion Ratio Lower Upper
105 100
120 50.5 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.667 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBSD01

Tot Ion: 75 Resp: 21198

Ion Ratio Lower Upper

75 100

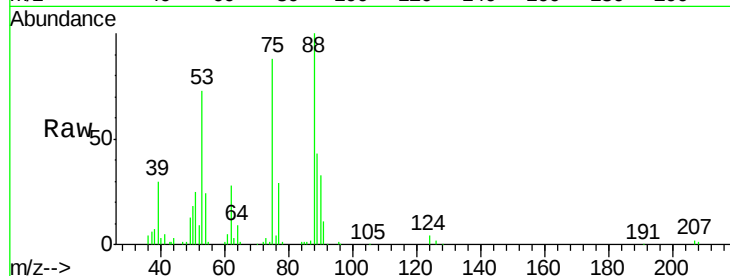
53 86.0 67.4 101.0

89 92.5 37.4 56.0#

Manual Integrations
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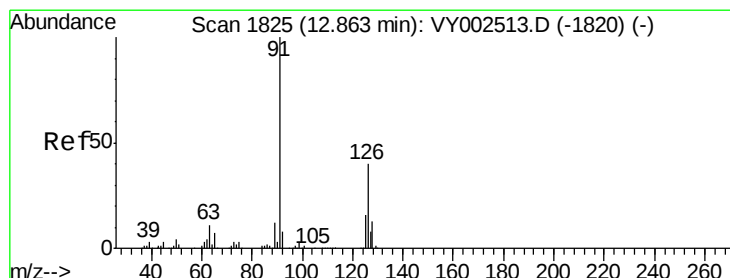
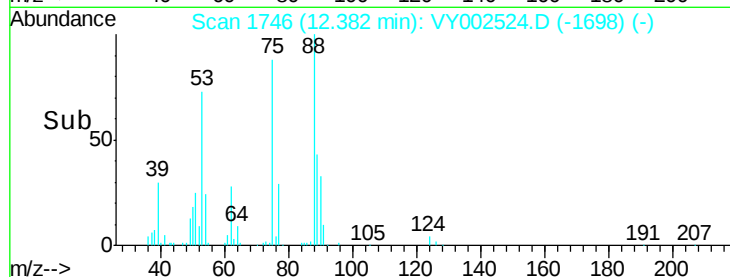
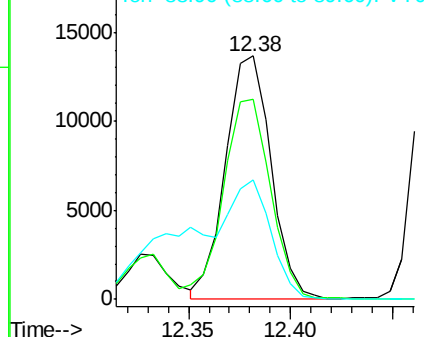
5/4/2020 2:19:17 PM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 20.147 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY002524.D

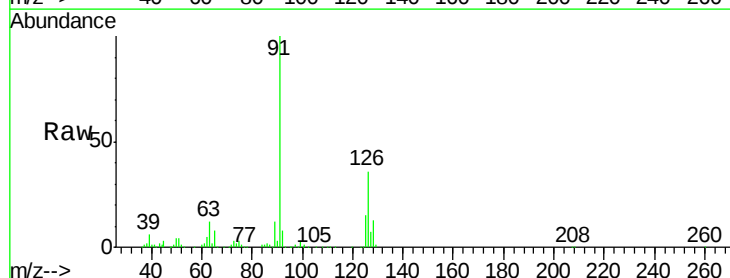
Acq: 01 May 2020 13:15

Tgt Ion: 91 Resp: 225907

Ion Ratio Lower Upper

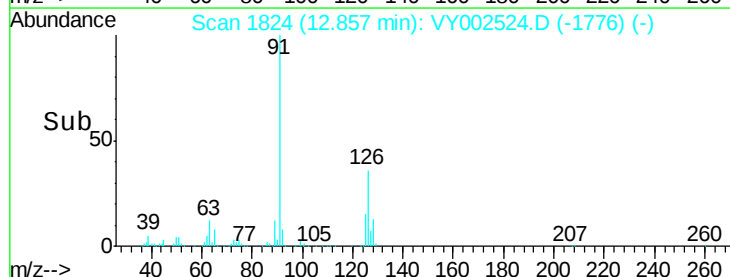
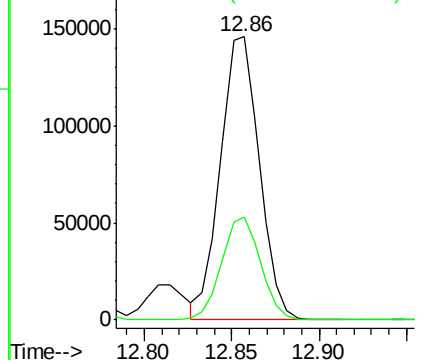
91 100

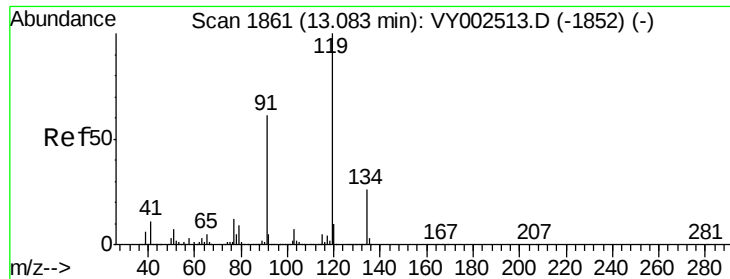
126 36.4 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





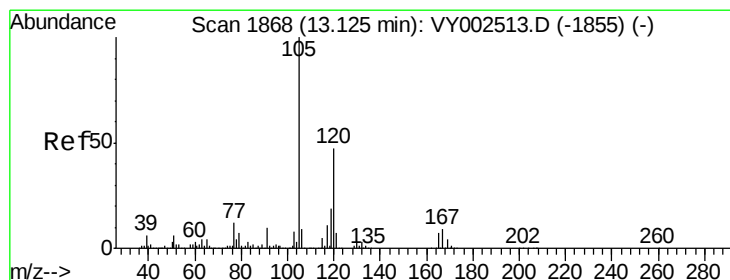
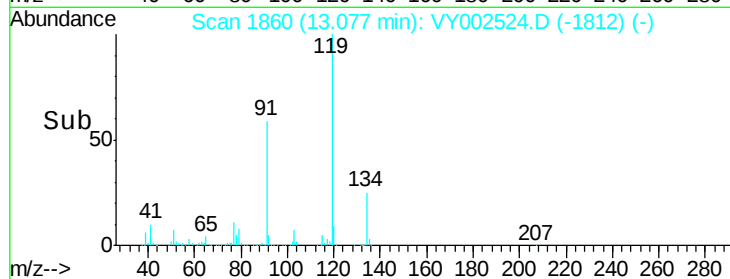
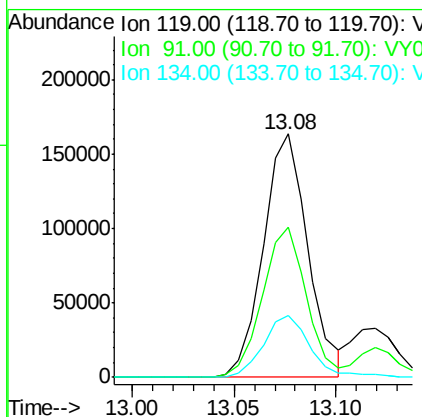
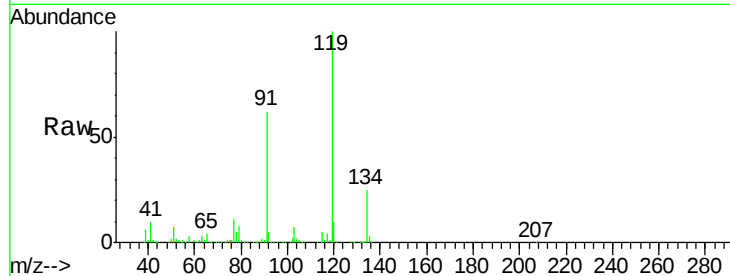
#83
tert-Butylbenzene
Concen: 20.668 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	249460		
91	60.5	30.6	91.6	
134	26.8	13.5	40.4	

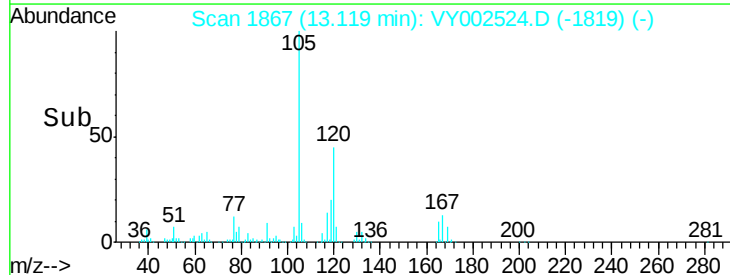
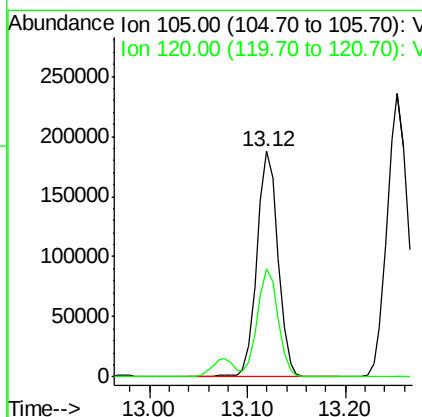
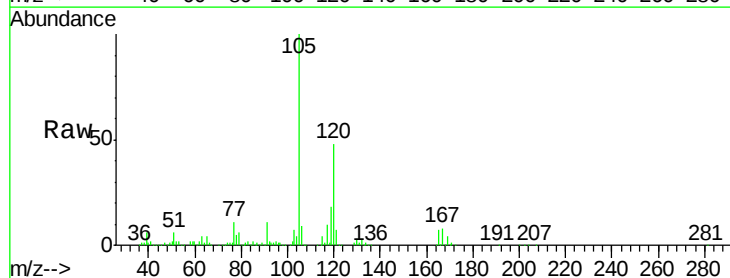
Manual Integrations
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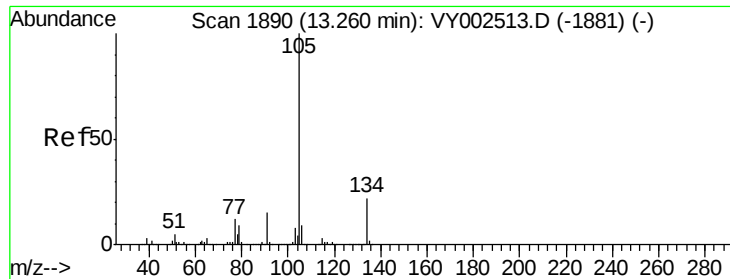
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#84
1,2,4-Trimethylbenzene
Concen: 20.451 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	280565		
120	46.8	23.4	70.3	





#85

sec-Butylbenzene

Concen: 20.604 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0501SBSD01

Tot Ion:105 Resp: 345078

Ion Ratio Lower Upper

105 100

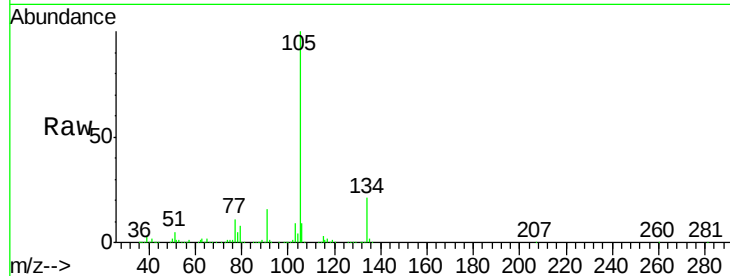
134 21.3 10.8 32.3

Manual Integrations

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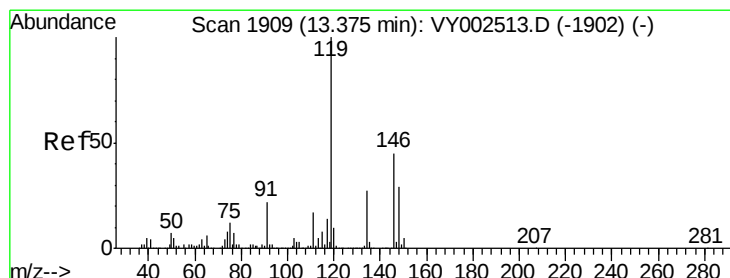
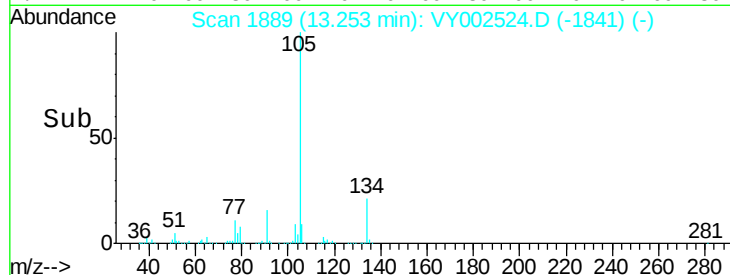
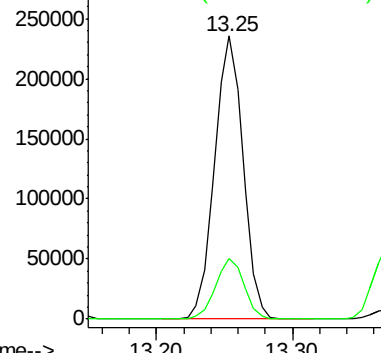
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.517 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

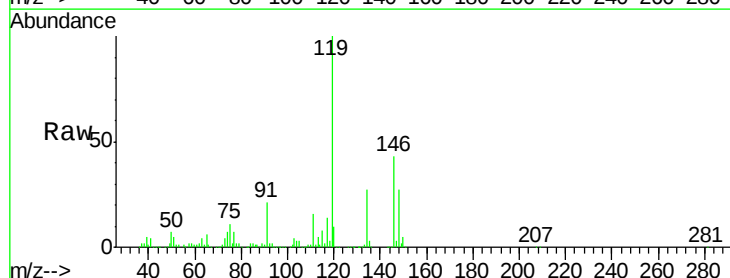
Tgt Ion:119 Resp: 321976

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

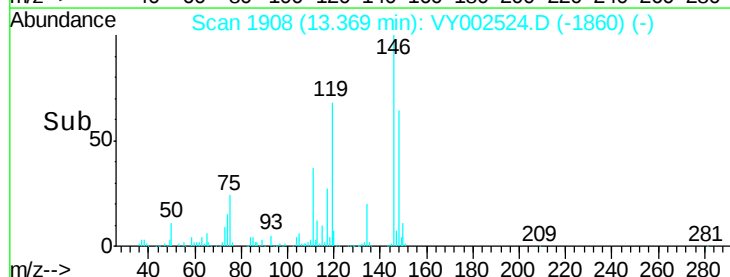
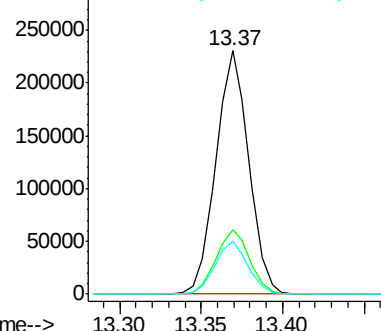
91 21.6 10.9 32.9

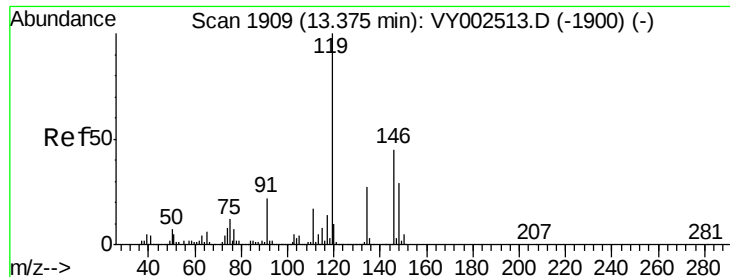


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





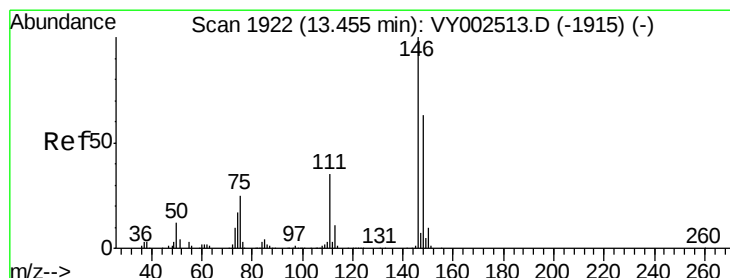
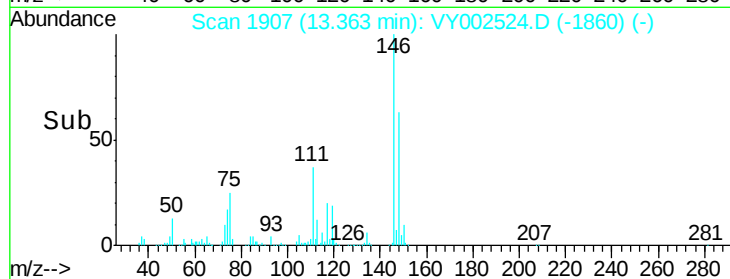
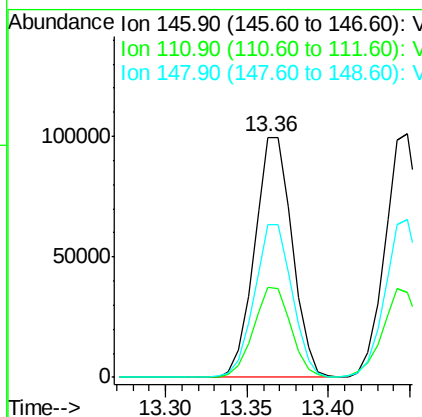
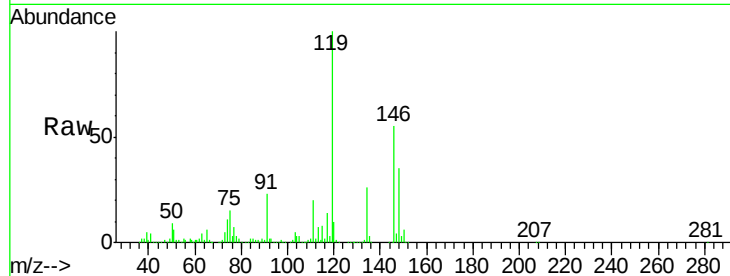
#87
 1,3-Dichlorobenzene
 Concen: 20.284 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	159280		
111	37.2	18.8	56.3	
148	63.5	32.1	96.3	

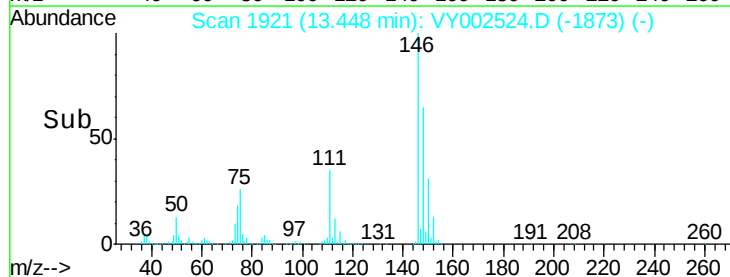
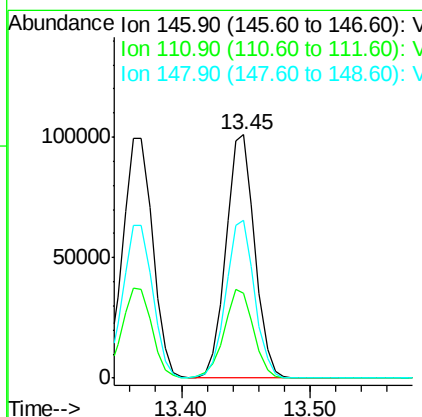
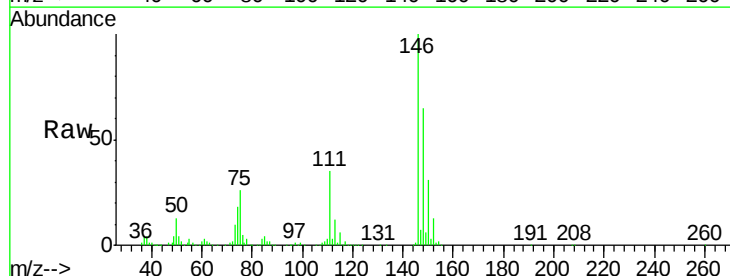
Manual Integrations
 APPROVED

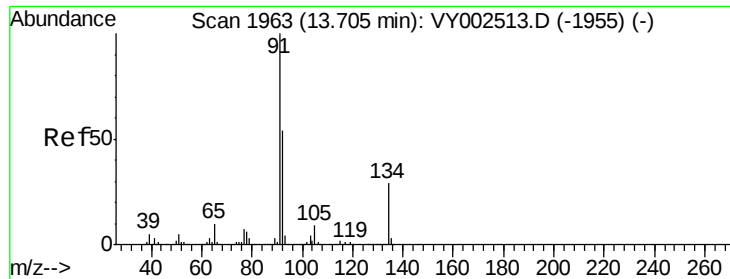
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 5/4/2020 2:19:17 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.268 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	157592		
111	37.4	18.1	54.1	
148	64.5	31.9	95.5	





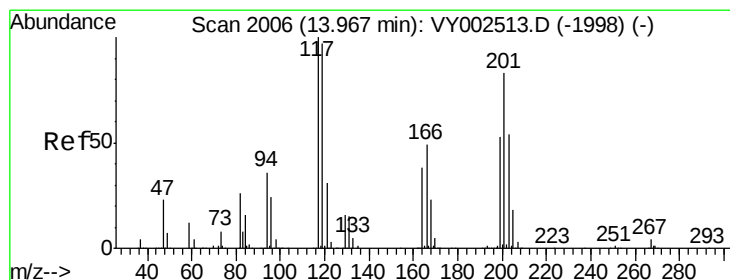
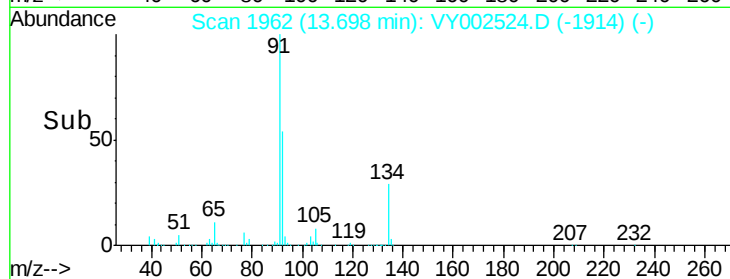
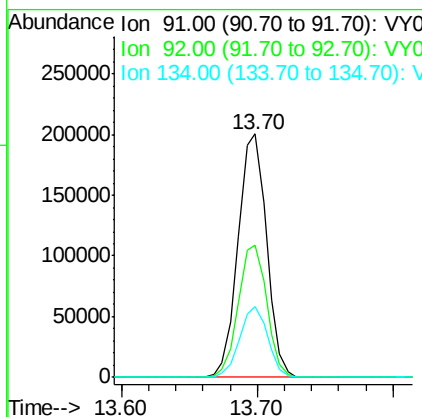
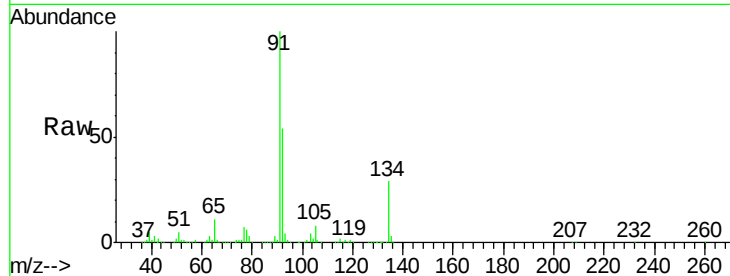
#89
n-Butylbenzene
Concen: 20.509 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.3
134	28.8	14.4	43.0

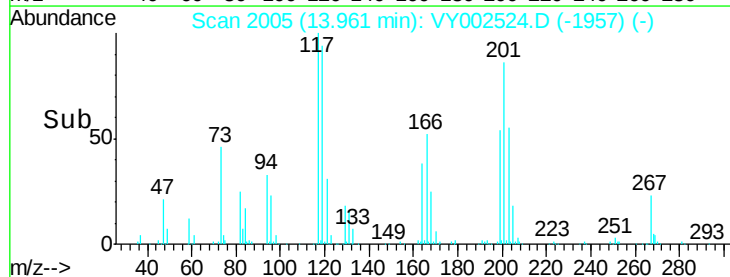
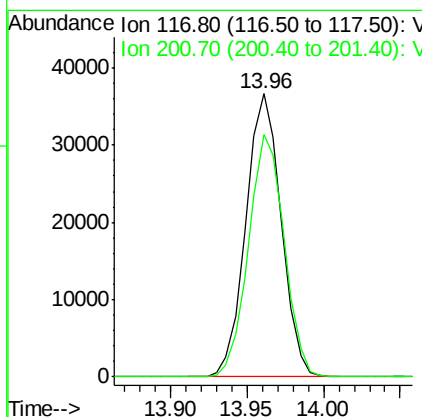
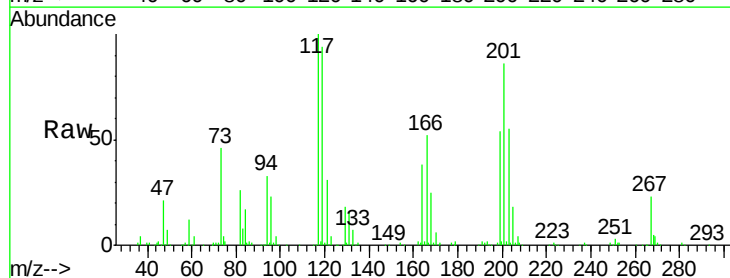
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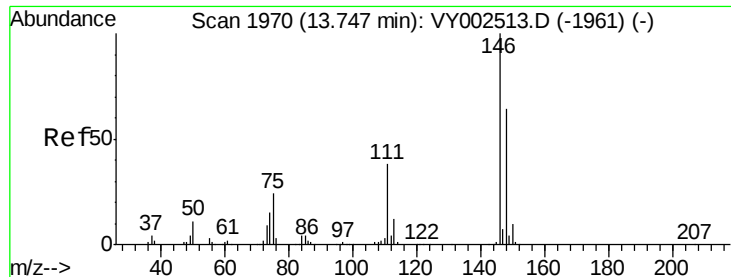
MMDadoda
5/4/2020 2:19:17 PM



#90
Hexachloroethane
Concen: 20.498 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	44.4	133.2





#91

1,2-Dichlorobenzene

Concen: 20.038 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Instrument :

MSVOA_Y

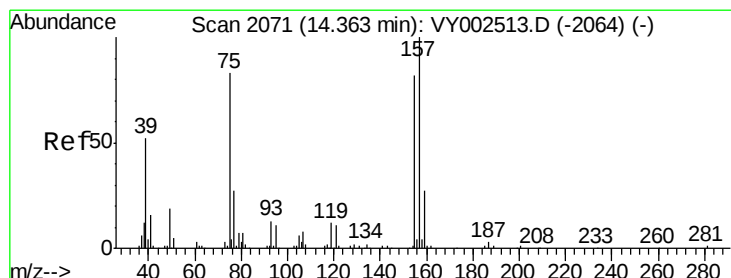
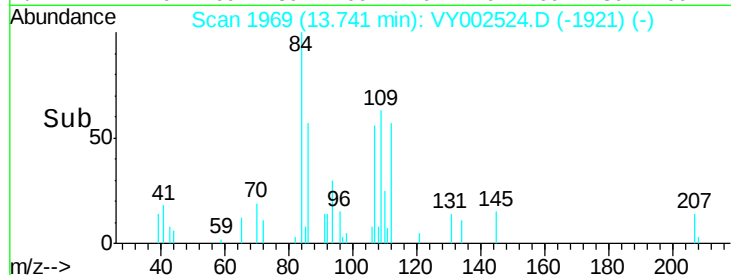
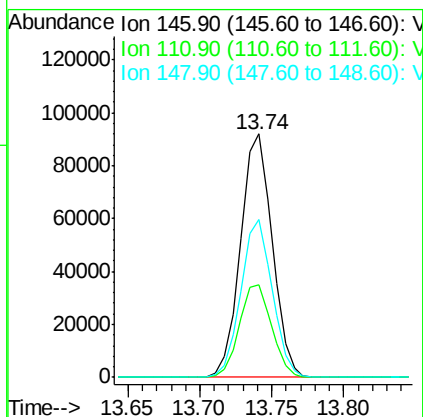
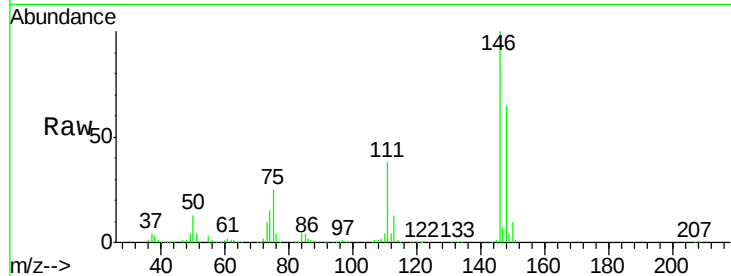
ClientSampleId :

VY0501SBSD01

Tot Ion:	146	Resp:	140404
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.1	57.5
148	64.3	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.131 ug/l

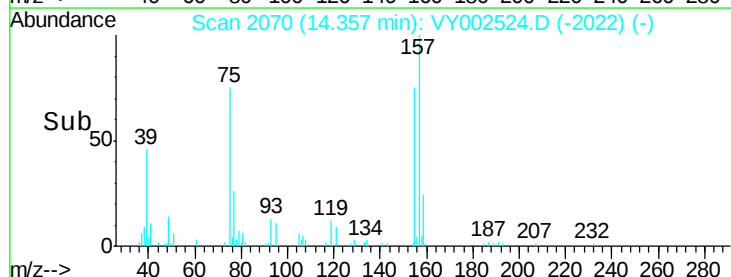
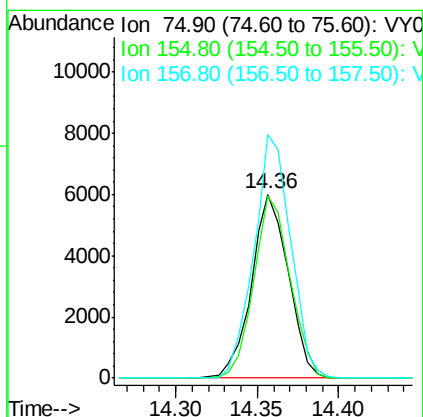
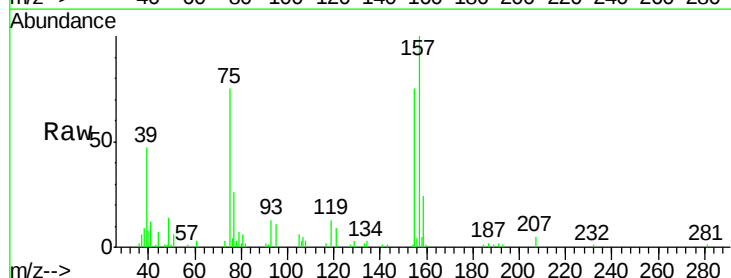
RT: 14.36 min Scan# 2070

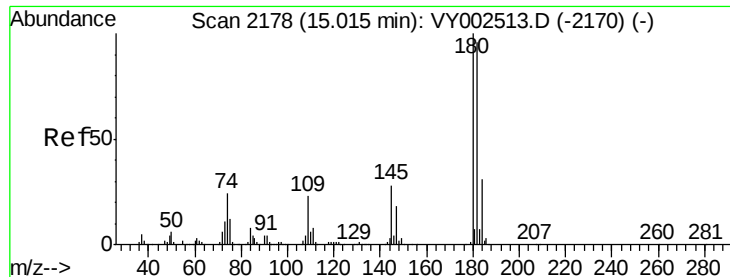
Delta R.T. -0.01 min

Lab File: VY002524.D

Acq: 01 May 2020 13:15

Tgt Ion:	75	Resp:	9418
Ion Ratio	Lower	Upper	
75	100		
155	98.1	51.3	153.9
157	132.8	65.0	195.0





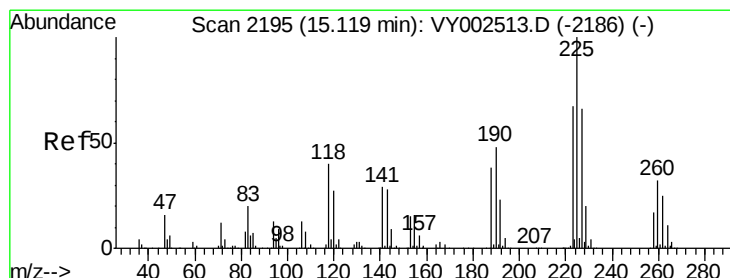
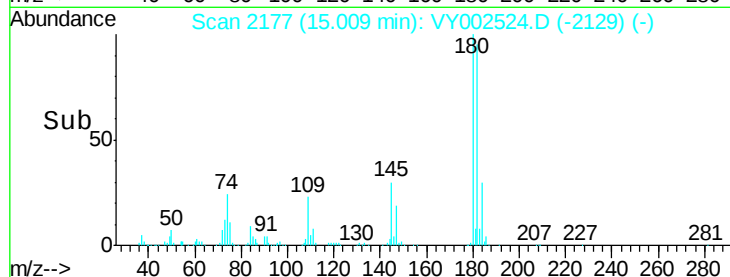
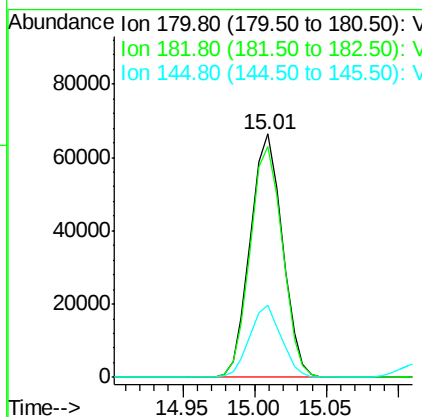
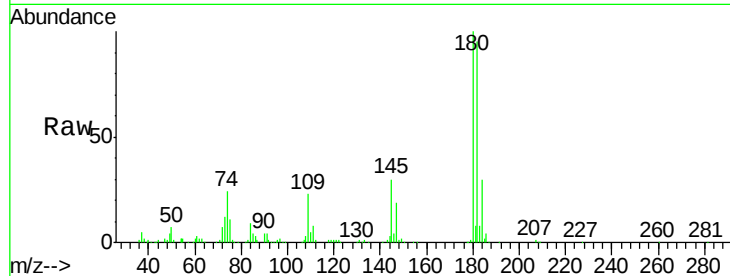
#93
 1,2,4-Trichlorobenzene
 Concen: 20.176 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102638		
182	95.1	47.9	143.6	
145	29.0	14.4	43.0	

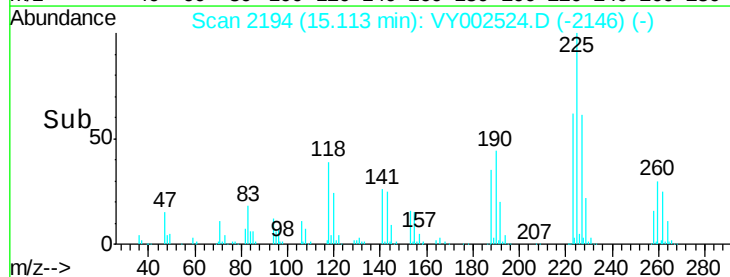
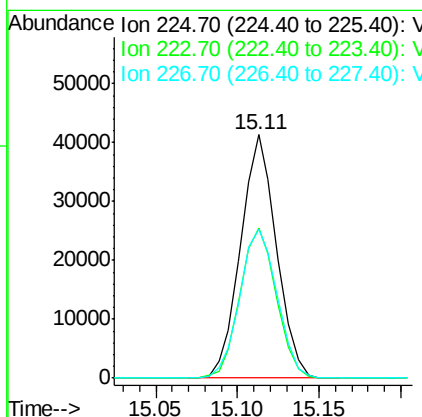
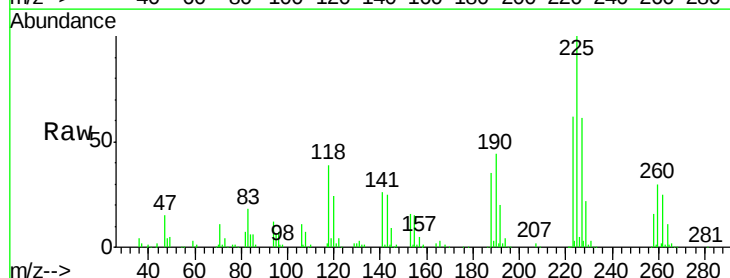
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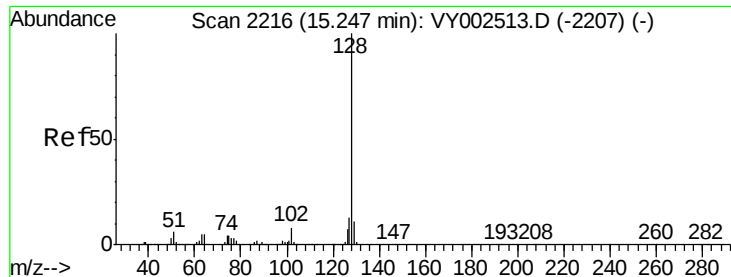
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#94
 Hexachlorobutadiene
 Concen: 20.678 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY002524.D
 Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63140		
223	62.8	32.1	96.5	
227	63.7	32.0	96.2	





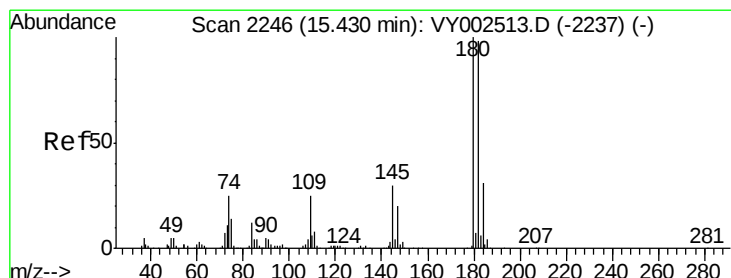
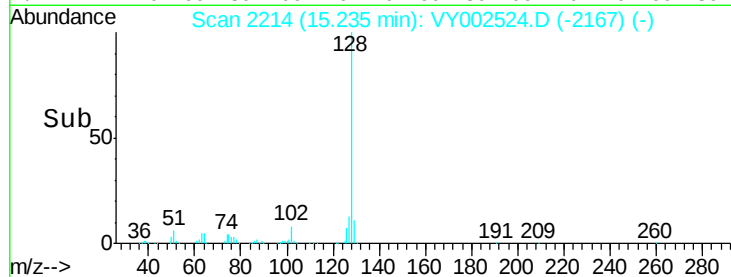
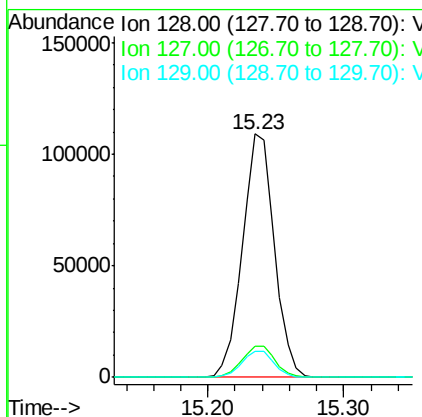
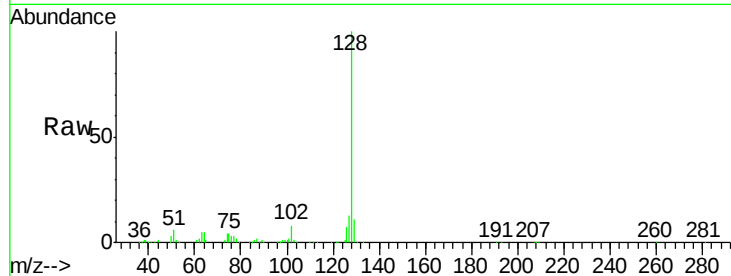
#95
Naphthalene
Concen: 19.227 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	178422		
127	13.4	10.5	15.7	
129	11.1	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.756 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.01 min
Lab File: VY002524.D
Acq: 01 May 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	85314		
182	97.0	47.9	143.8	
145	30.9	15.0	45.1	

