

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002531.D
 Acq On : 04 May 2020 11:35
 Operator : SY/MD
 Sample : VY0504SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:29:03 AM

Quant Time: May 04 14:42:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	380566	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	557537	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	506250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	266320	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	163338	51.05	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.10%	
35) Dibromofluoromethane	7.72	113	165538	51.92	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.18	98	644667	51.77	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.48	95	220142	52.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	46183	15.947	ug/l	97
3) Chloromethane	2.12	50	56643	18.371	ug/l	100
4) Vinyl Chloride	2.26	62	63329	17.788	ug/l	97
5) Bromomethane	2.63	94	43859	17.864	ug/l	97
6) Chloroethane	2.79	64	39930	18.783	ug/l	99
7) Trichlorofluoromethane	3.13	101	105072	19.042	ug/l	98
8) Diethyl Ether	3.54	74	37193	20.058	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	64430	19.105	ug/l	98
10) Methyl Iodide	4.10	142	84884	18.475	ug/l	100
11) Tert butyl alcohol	4.97	59	36042	109.480	ug/l	99
12) 1,1-Dichloroethene	3.88	96	62545	19.091	ug/l	100
13) Acrolein	3.74	56	19647	86.303	ug/l	92
14) Allyl chloride	4.49	41	94374	19.771	ug/l	98
15) Acrylonitrile	5.18	53	92099	105.324	ug/l	99
16) Acetone	3.96	43	72136	109.234	ug/l	100
17) Carbon Disulfide	4.20	76	174378	17.693	ug/l	98
18) Methyl Acetate	4.49	43	45162	20.468	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	173989	20.356	ug/l	97
20) Methylene Chloride	4.72	84	78647	21.297	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	69432	19.391	ug/l	95
22) Diisopropyl ether	6.13	45	197476	20.446	ug/l	98
23) Vinyl Acetate	6.07	43	622714	102.521	ug/l	99
24) 1,1-Dichloroethane	6.03	63	113055	19.786	ug/l	98
25) 2-Butanone	7.00	43	115365	106.720	ug/l	95
26) 2,2-Dichloropropane	6.99	77	107439	19.782	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	77657	19.600	ug/l	99
28) Bromochloromethane	7.34	49	47895	20.459	ug/l	98
29) Tetrahydrofuran	7.36	42	74955	104.801	ug/l	99
30) Chloroform	7.52	83	118723	19.983	ug/l	100
31) Cyclohexane	7.79	56	108456	18.857	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	109059	19.750	ug/l	99
36) 1,1-Dichloropropene	7.93	75	92404	19.770	ug/l	100
37) Ethyl Acetate	7.08	43	51095	21.274	ug/l	99
38) Carbon Tetrachloride	7.91	117	100953	19.784	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	117771	19.077	ug/l	98
40) Benzene	8.17	78	267060	19.783	ug/l	100
41) Methacrylonitrile	7.34	41	35656m	27.611	ug/l	
42) 1,2-Dichloroethane	8.24	62	76963	20.326	ug/l	100
43) Isopropyl Acetate	8.28	43	94197	20.920	ug/l	99
44) Trichloroethene	8.94	130	85254	20.209	ug/l	95
45) 1,2-Dichloropropane	9.22	63	65043	19.964	ug/l	100
46) Dibromomethane	9.31	93	38511	20.545	ug/l	100
47) Bromodichloromethane	9.50	83	92553	20.306	ug/l	99
48) Methyl methacrylate	9.30	41	42843	21.024	ug/l	99
49) 1,4-Dioxane	9.30	88	11264	453.845	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	252057	108.605	ug/l	99
52) Toluene	10.25	92	172424	19.875	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	97902	20.501	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	111978	20.283	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	55857	20.434	ug/l	99
56) Ethyl methacrylate	10.51	69	76577	21.058	ug/l	98
57) 1,3-Dichloropropane	10.79	76	94843	20.459	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	204959	106.877	ug/l	99
59) 2-Hexanone	10.83	43	172164	107.779	ug/l	100
60) Dibromochloromethane	10.99	129	72422	20.831	ug/l	98
61) 1,2-Dibromoethane	11.09	107	55788	20.611	ug/l	99
64) Tetrachloroethene	10.72	164	94435	20.995	ug/l	95
65) Chlorobenzene	11.52	112	192845	20.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	72744	20.363	ug/l	100
67) Ethyl Benzene	11.60	91	336135	19.884	ug/l	99
68) m/p-Xylenes	11.70	106	259608	39.690	ug/l	98
69) o-Xylene	12.03	106	123476	20.161	ug/l	99
70) Styrene	12.05	104	213236	20.367	ug/l	99
71) Bromoform	12.21	173	47193	21.284	ug/l #	98
73) Isopropylbenzene	12.33	105	340224	19.712	ug/l	99
74) N-amyl acetate	12.14	43	87313	21.029	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	54458	19.839	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	48058m	20.306	ug/l	
77) Bromobenzene	12.61	156	85708	19.875	ug/l	98
78) n-propylbenzene	12.67	91	394180	19.679	ug/l	100
79) 2-Chlorotoluene	12.75	91	218163	19.663	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	284228	19.866	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	24381	20.657	ug/l	97
82) 4-Chlorotoluene	12.86	91	229112	19.658	ug/l	100
83) tert-Butylbenzene	13.08	119	251929	20.082	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	284357	19.943	ug/l	100
85) sec-Butylbenzene	13.25	105	348157	20.000	ug/l	99
86) p-Isopropyltoluene	13.37	119	323420	19.829	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	163865	20.077	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	162691	20.131	ug/l	98
89) n-Butylbenzene	13.70	91	296361	19.959	ug/l	99
90) Hexachloroethane	13.96	117	59360	19.984	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	148176	20.346	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11204	21.896	ug/l	97

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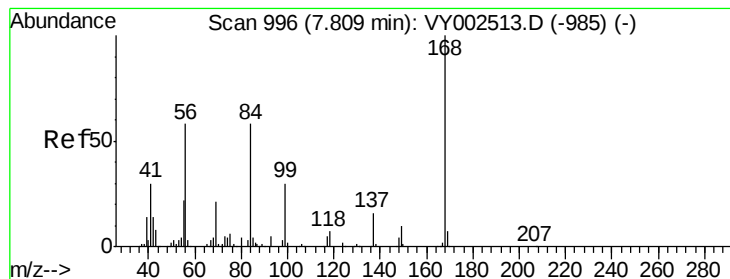
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	111370	21.064	ug/l	99
94) Hexachlorobutadiene	15.11	225	66100	20.827	ug/l	99
95) Naphthalene	15.24	128	204699	21.222	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	96455	21.489	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBSD01

Tot Ion:168 Resp: 380566

Ion Ratio Lower Upper

168 100

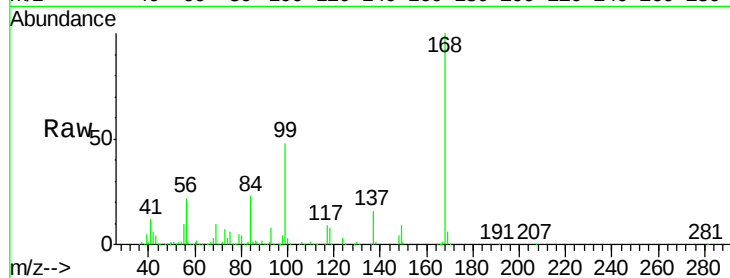
99 48.0 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

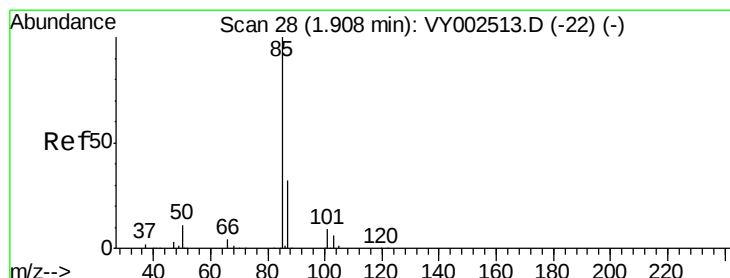
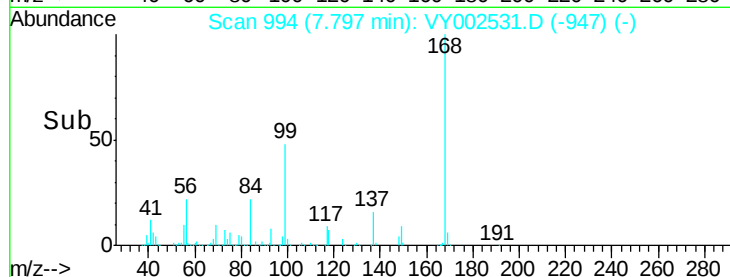
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.947 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002531.D

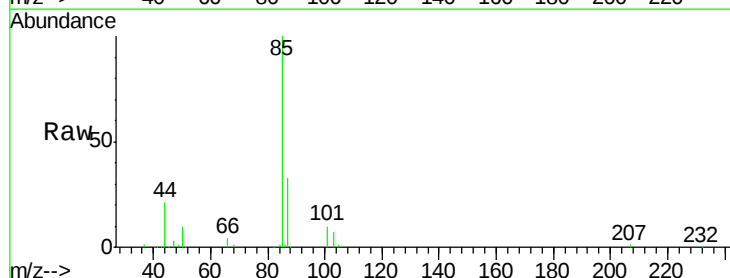
Acq: 04 May 2020 11:35

Tgt Ion: 85 Resp: 46183

Ion Ratio Lower Upper

85 100

87 33.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

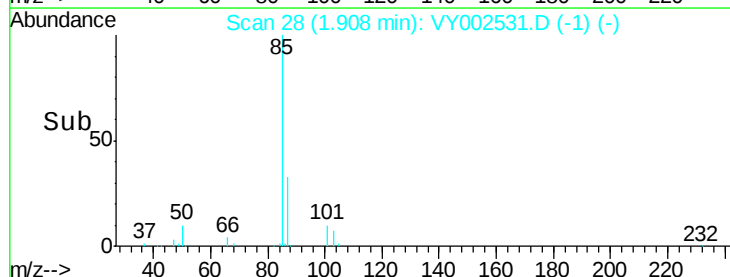
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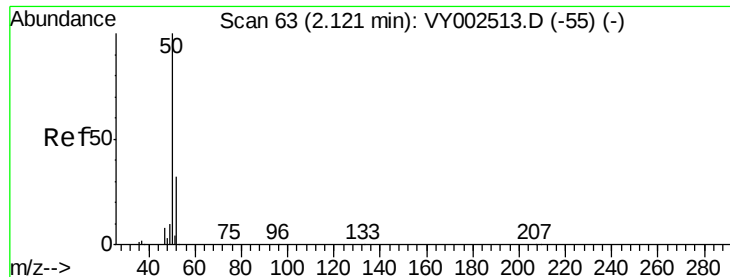
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.371 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBSD01

Tot Ion: 50 Resp: 56643

Ion Ratio Lower Upper

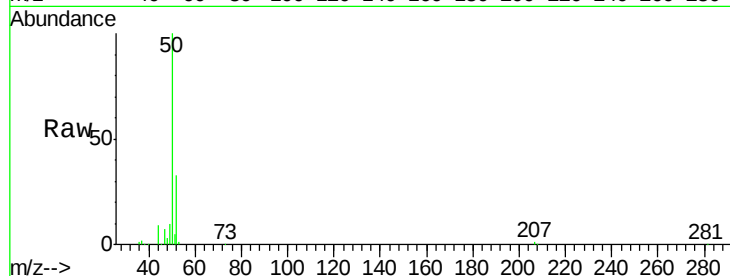
50 100

52 32.6 25.9 38.9

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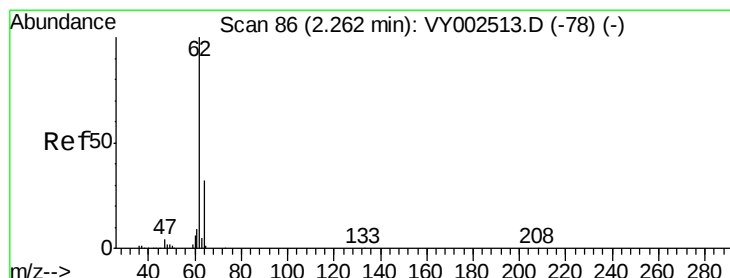
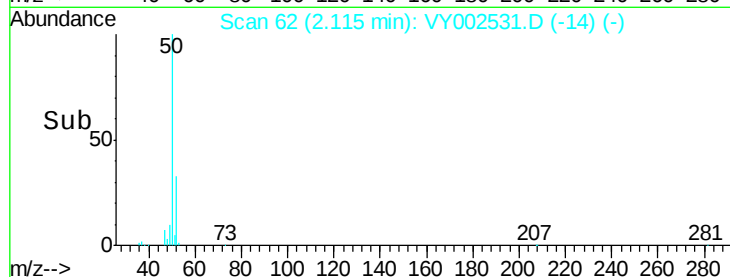
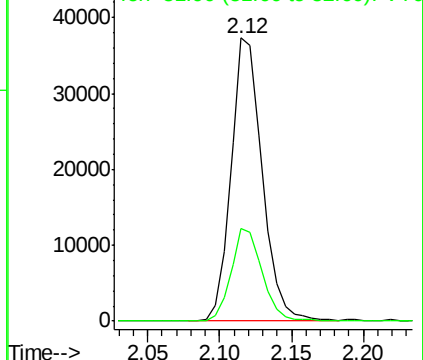
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 17.788 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002531.D

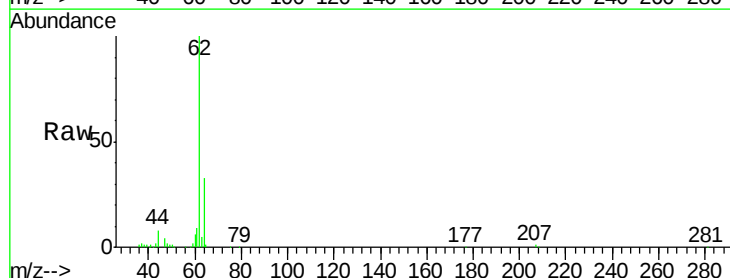
Acq: 04 May 2020 11:35

Tgt Ion: 62 Resp: 63329

Ion Ratio Lower Upper

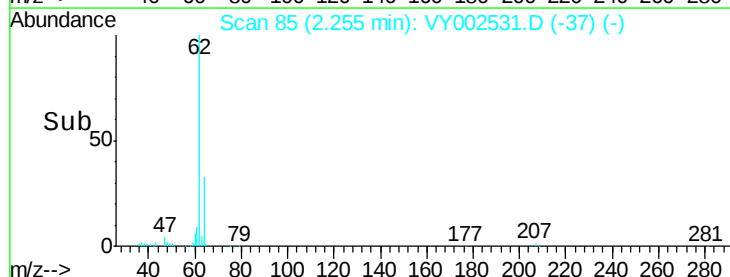
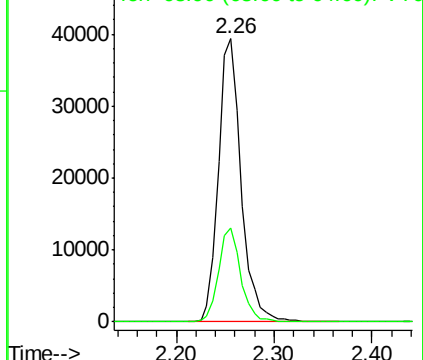
62 100

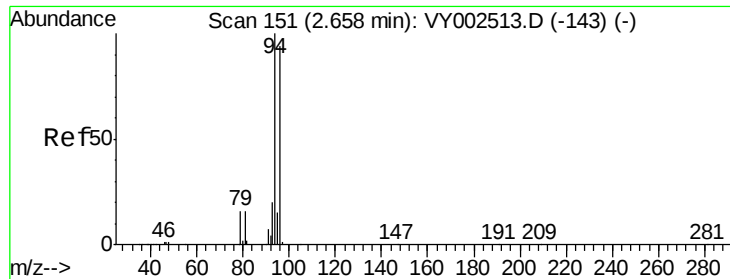
64 33.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 17.864 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.02 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS01

Tot Ion: 94 Resp: 43859

Ion Ratio Lower Upper

94 100

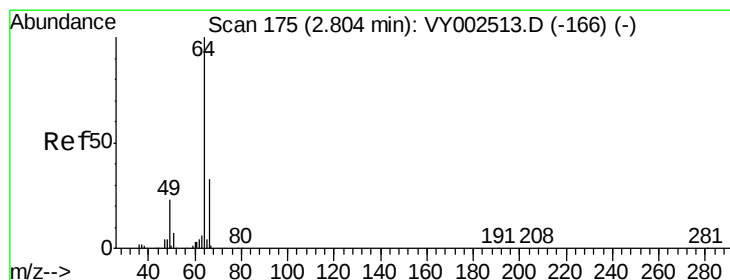
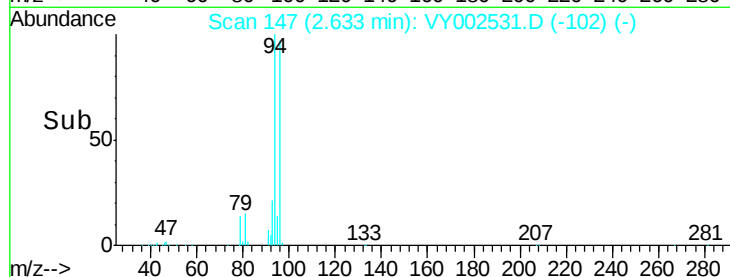
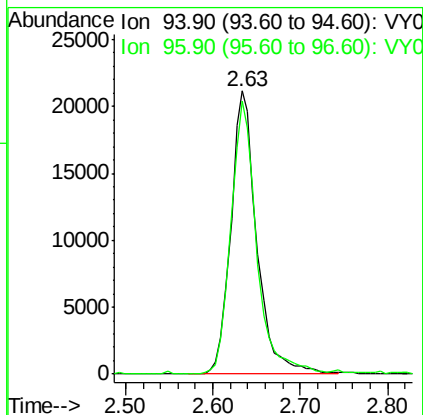
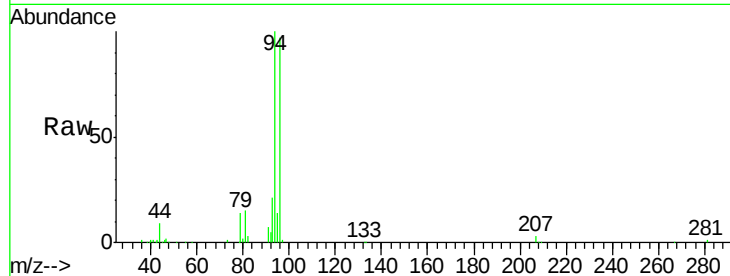
96 96.6 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 18.783 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY002531.D

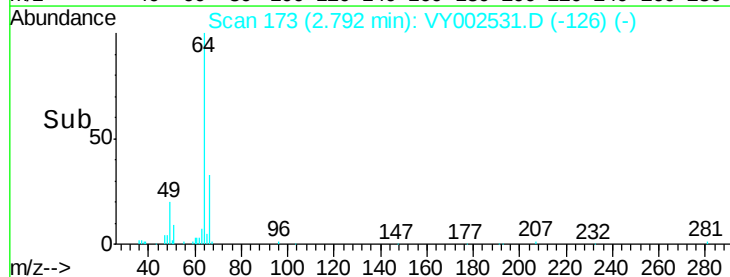
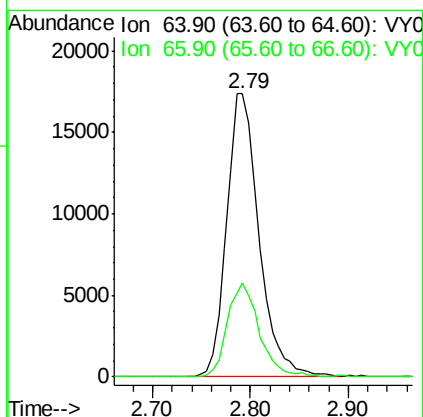
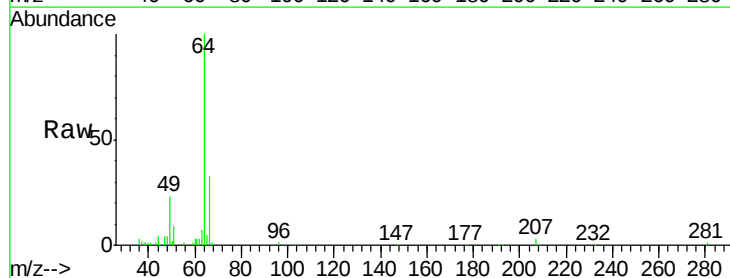
Acq: 04 May 2020 11:35

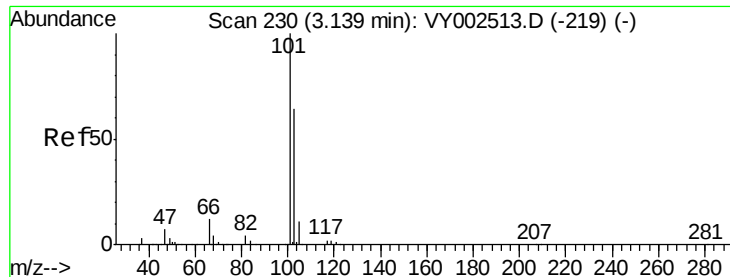
Tgt Ion: 64 Resp: 39930

Ion Ratio Lower Upper

64 100

66 33.3 26.3 39.5





#7

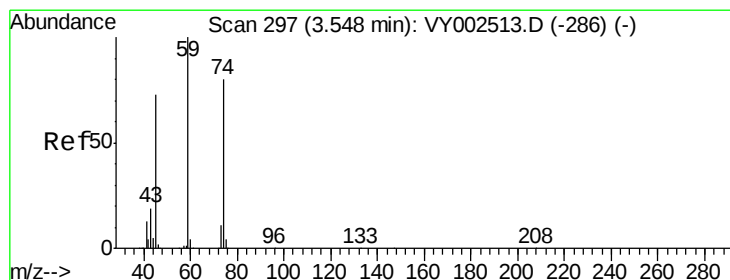
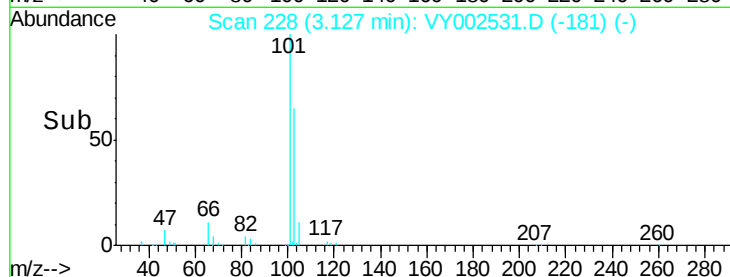
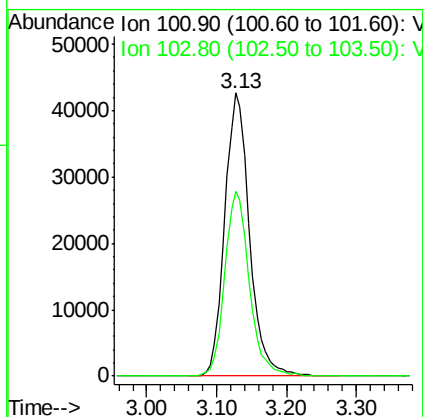
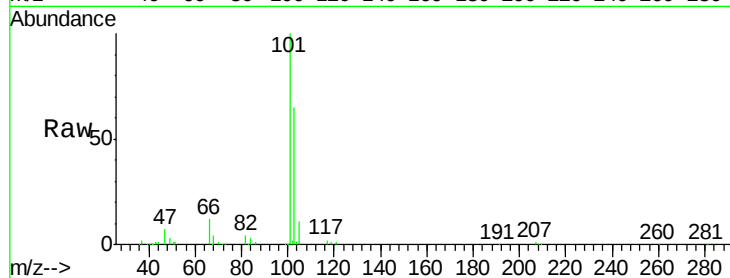
Trichlorofluoromethane
Concen: 19.042 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	105072		
103	65.4	51.4	77.0	

Manual Integrations
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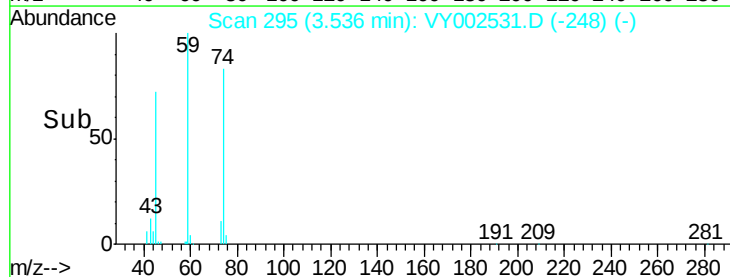
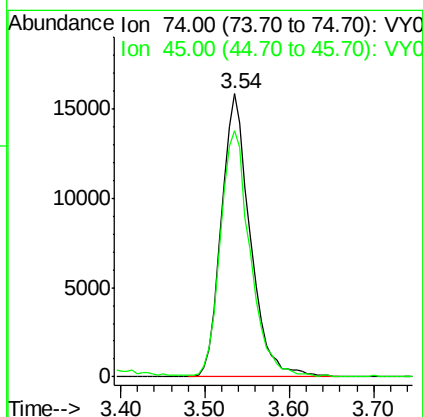
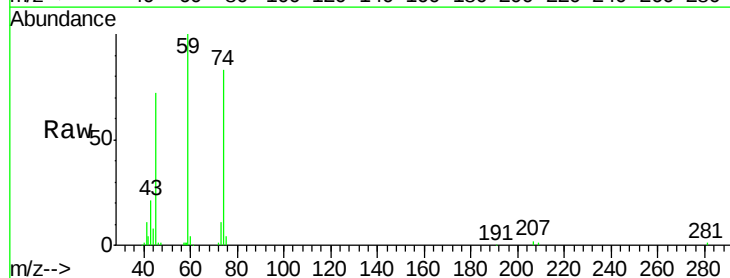
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5/5/2020 11:29:03 AM

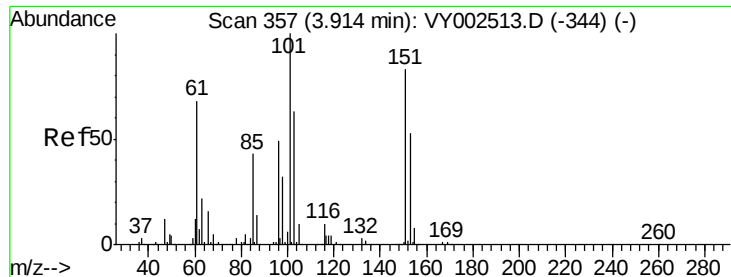


#8

Diethyl Ether
Concen: 20.058 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37193		
45	90.7	46.2	138.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.105 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

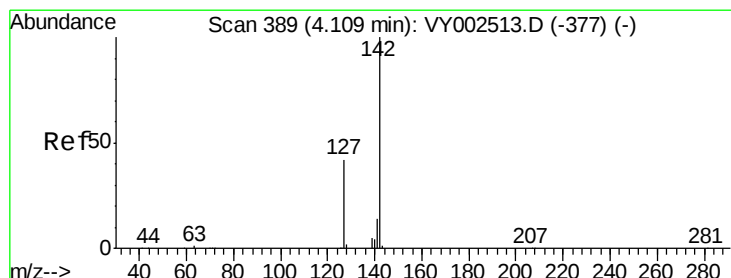
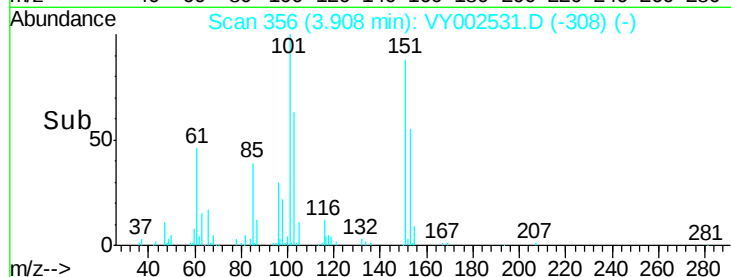
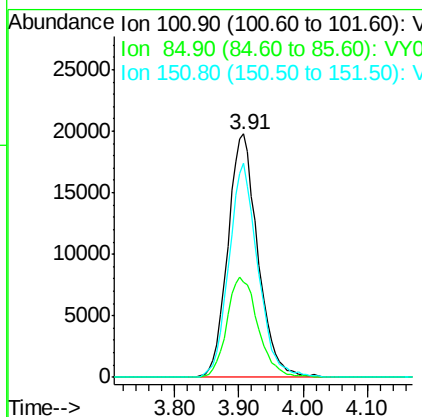
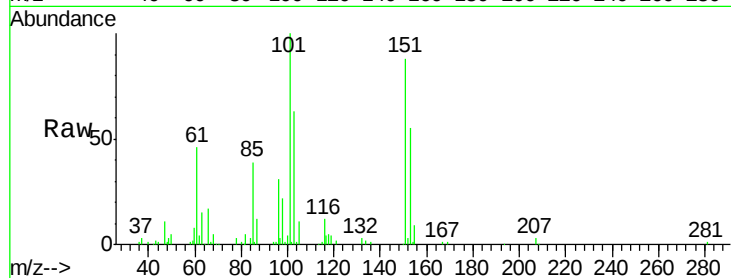
ClientSampleId :

VY0504SBS01

Tot Ion:	101	Resp:	64430
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.4	50.2
151	84.9	66.8	100.2

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#10

Methyl Iodide

Concen: 18.475 ug/l

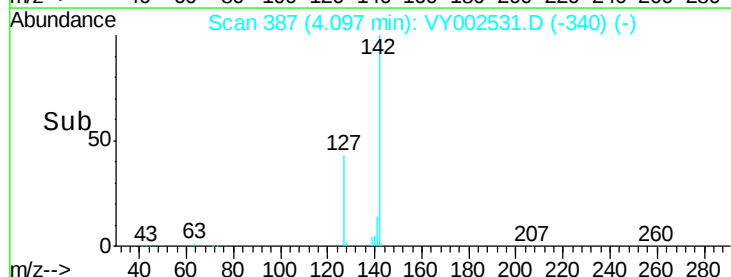
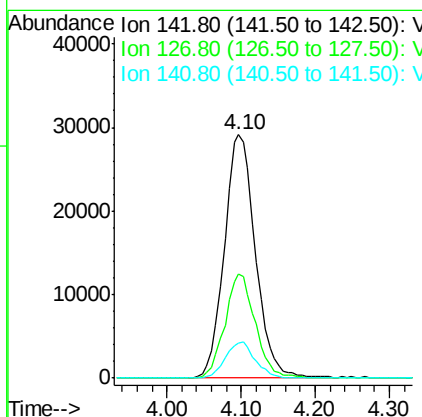
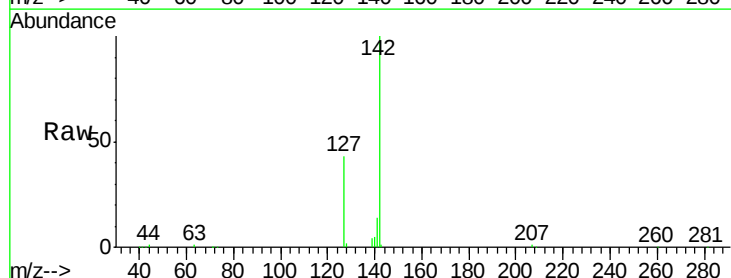
RT: 4.10 min Scan# 387

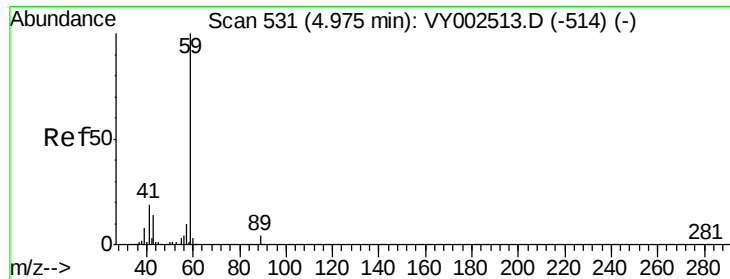
Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Tgt Ion:	142	Resp:	84884
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.7	50.5
141	14.3	11.4	17.0





#11

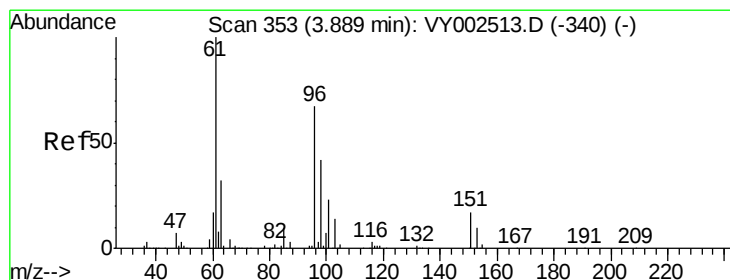
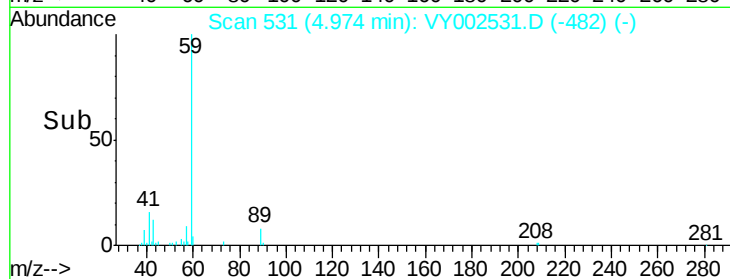
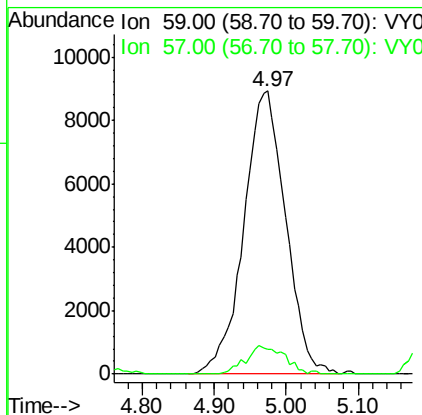
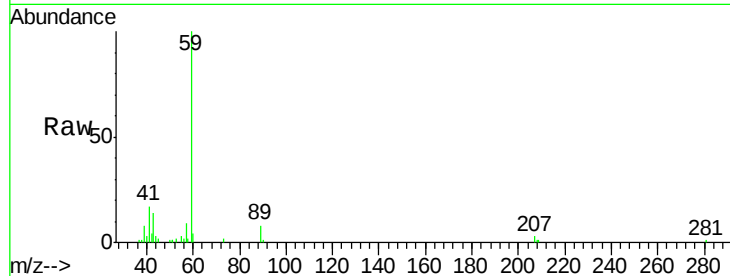
Tert butyl alcohol
 Concen: 109.480 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	9.4	7.8	11.6

Manual Integrations
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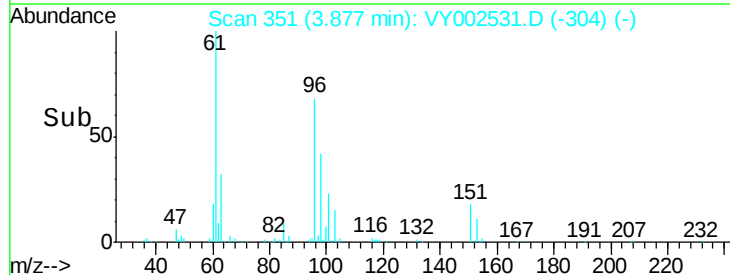
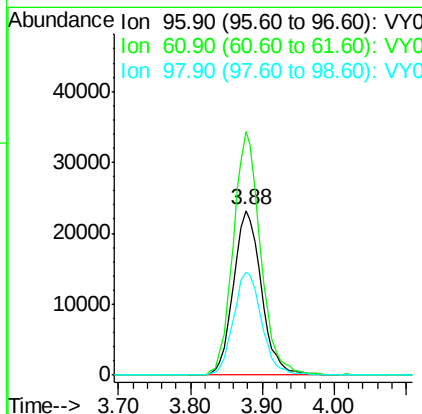
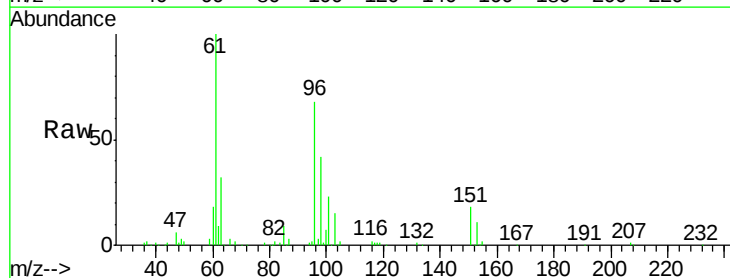
MMDadoda
 5/5/2020 11:29:03 AM

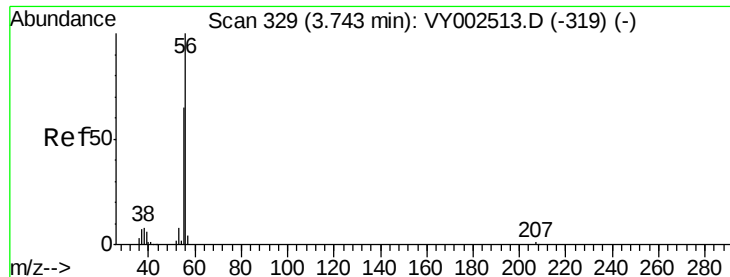


#12

1,1-Dichloroethene
 Concen: 19.091 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	148.1	118.8	178.2
98	98	62.4	49.6	74.4





#13

Acrolein

Concen: 86.303 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBSD01

Tot Ion: 56 Resp: 19647

Ion Ratio Lower Upper

56 100

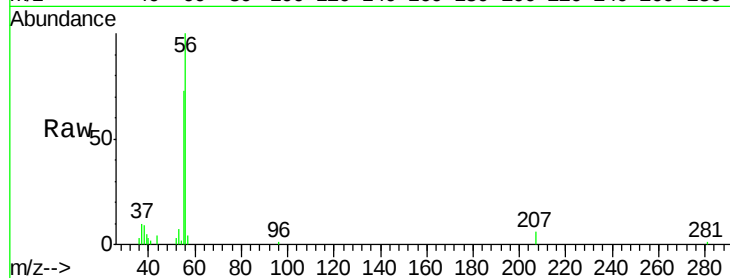
55 73.5 53.8 80.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

8000

6000

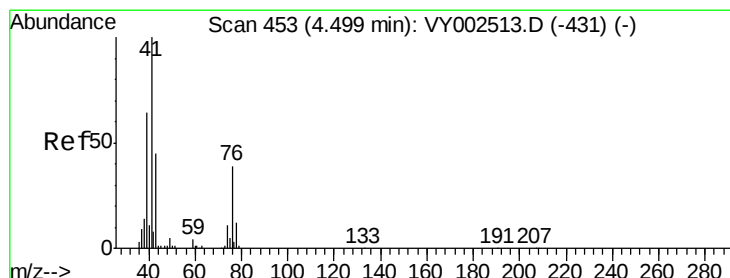
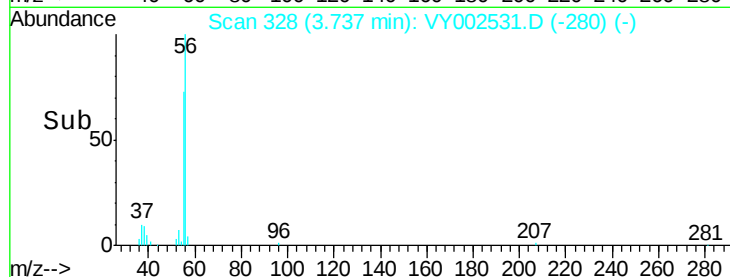
4000

2000

0

3.70 3.80

Time-->



#14

Allyl chloride

Concen: 19.771 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

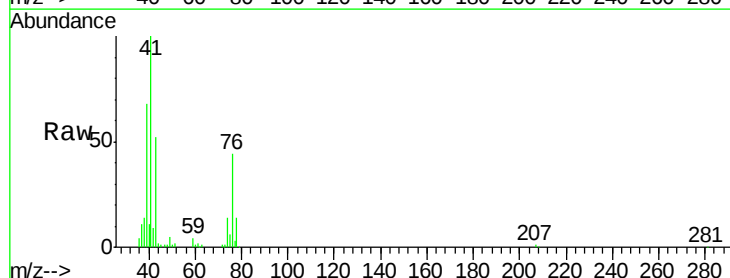
Tgt Ion: 41 Resp: 94374

Ion Ratio Lower Upper

41 100

39 62.6 51.8 77.6

76 40.0 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

40000

30000

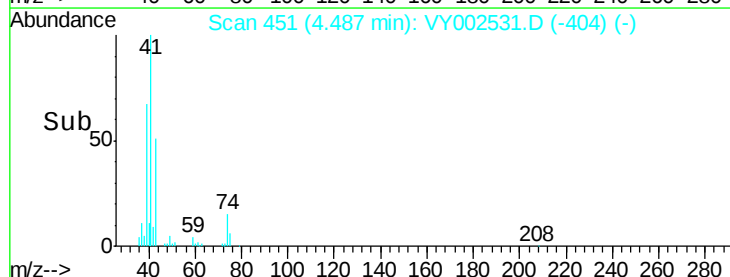
20000

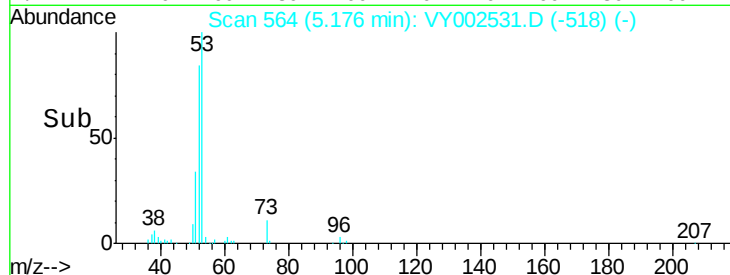
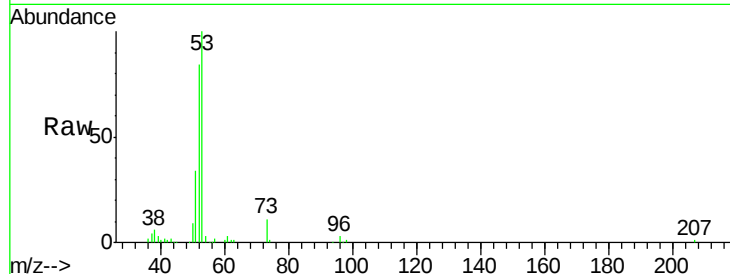
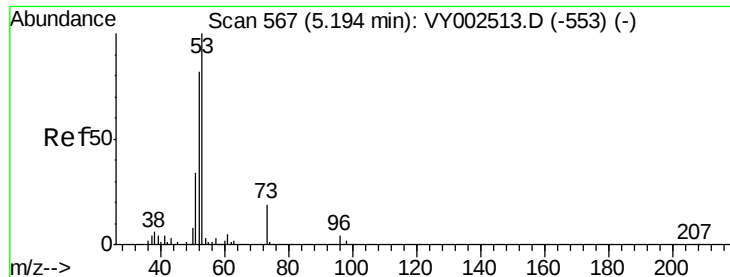
10000

0

4.30 4.40 4.50 4.60 4.70

Time-->





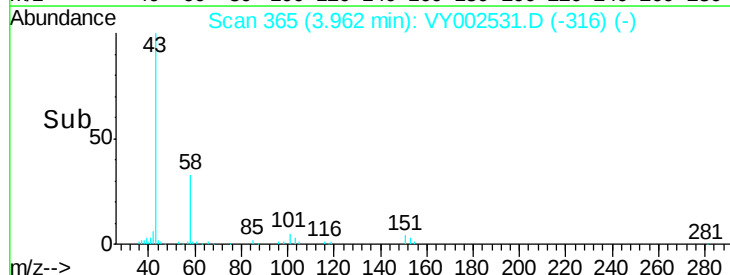
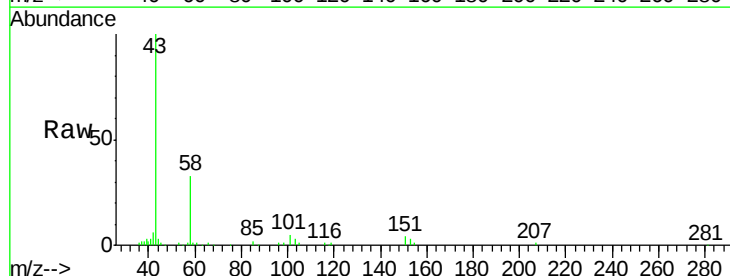
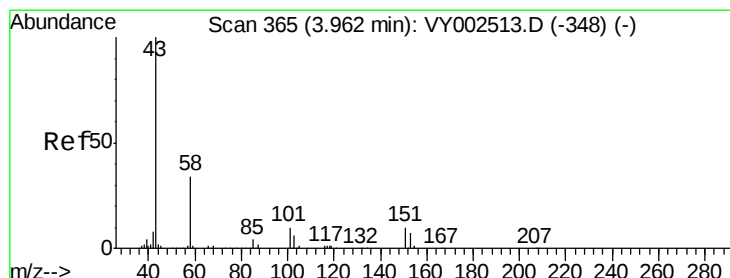
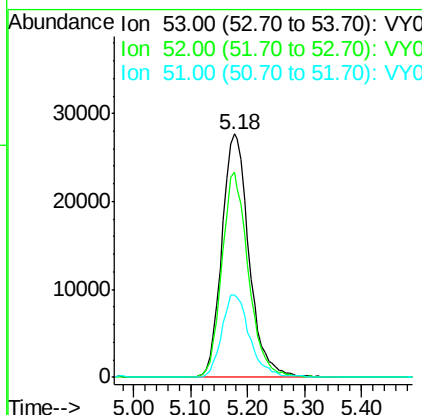
#15
Acrylonitrile
Concen: 105.324 ug/l
RT: 5.18 min Scan# 564
Delta R.T. -0.02 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tot Ion:	53	Resp:	92099
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.4	98.0
51	35.0	28.7	43.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS01

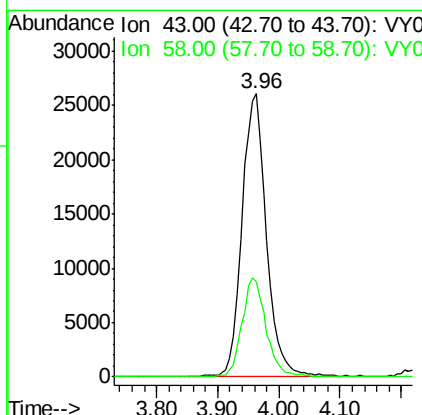
Manual Integrations
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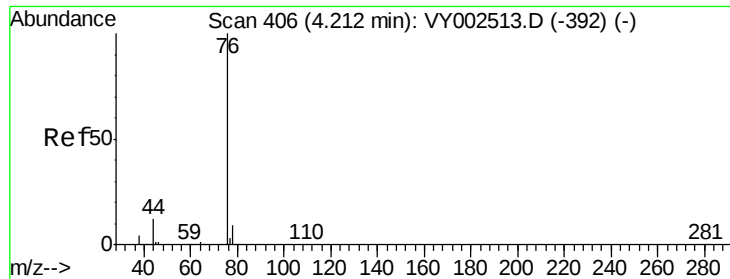
MMDadoda
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#16
Acetone
Concen: 109.234 ug/l
RT: 3.96 min Scan# 365
Delta R.T. -0.00 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion:	43	Resp:	72136
Ion Ratio	Lower	Upper	
43	100		
58	33.5	26.9	40.3





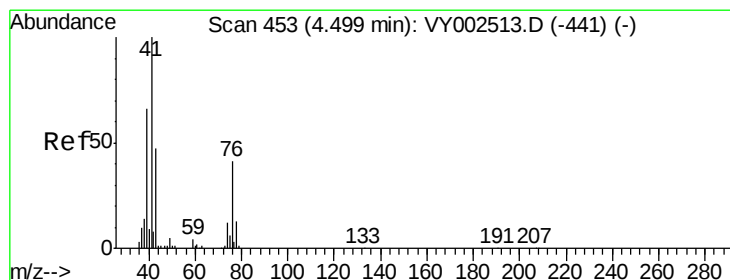
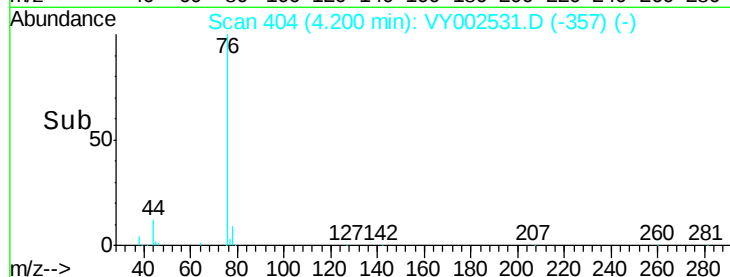
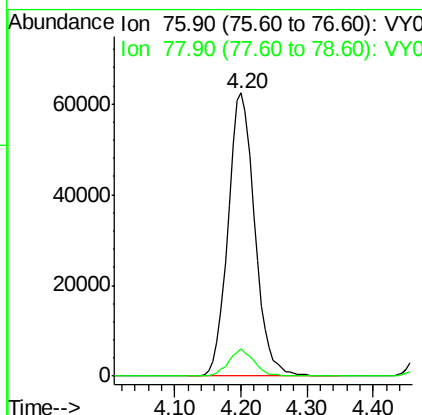
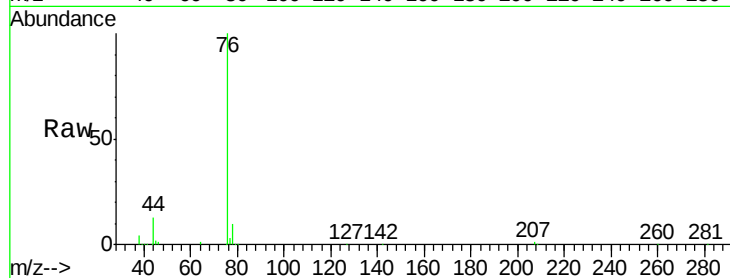
#17
Carbon Disulfide
Concen: 17.693 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.4	11.2

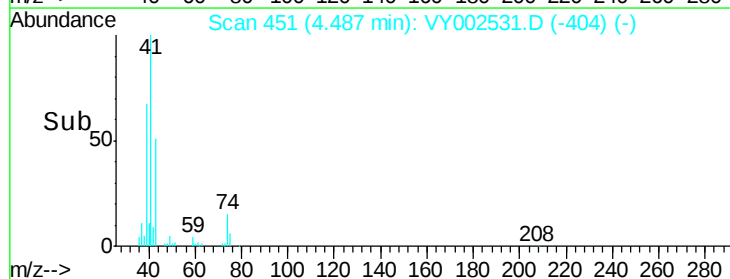
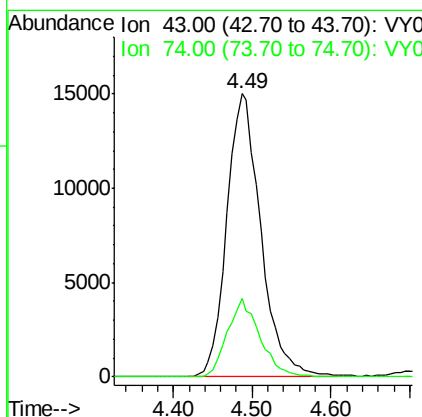
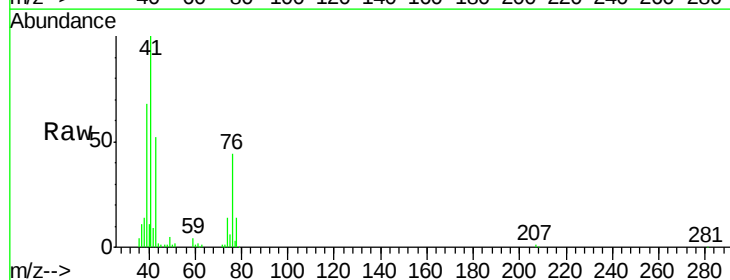
Manual Integrations
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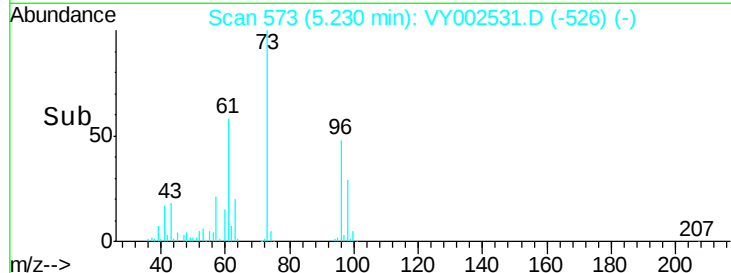
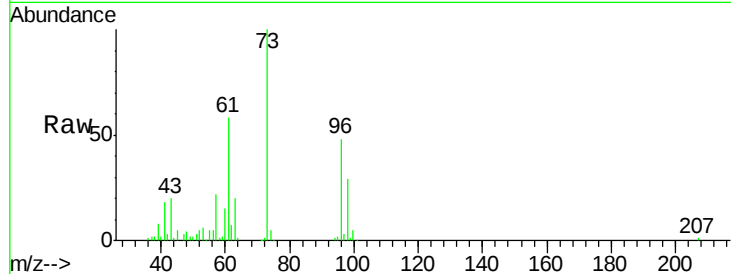
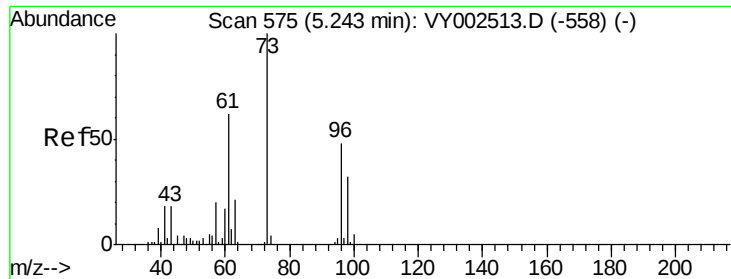
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#18
Methyl Acetate
Concen: 20.468 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.1	21.2	31.8





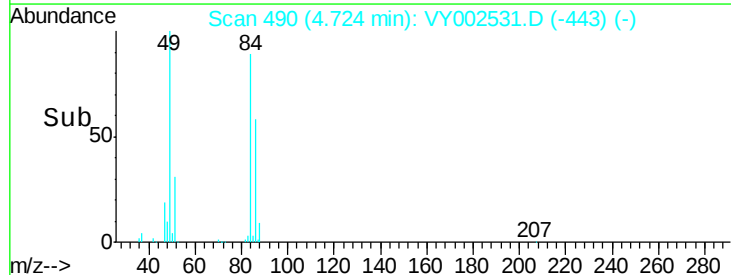
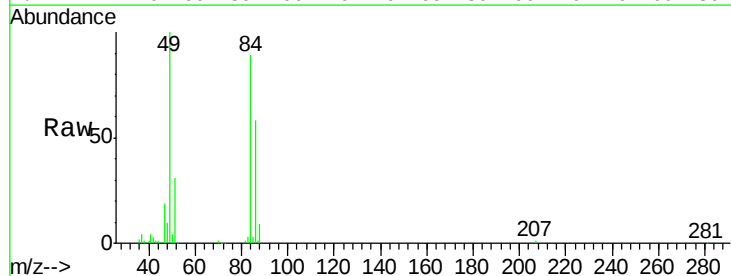
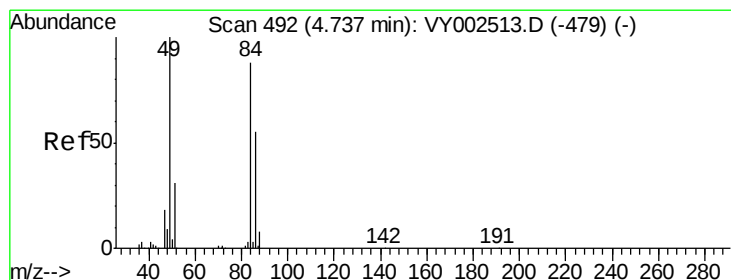
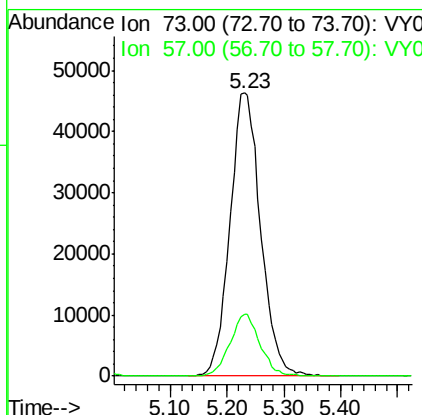
#19
Methvl tert-butvl Ether
Concen: 20.356 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tot Ion: 73 Resp: 173989
Ion Ratio Lower Upper
73 100
57 21.8 16.3 24.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS01

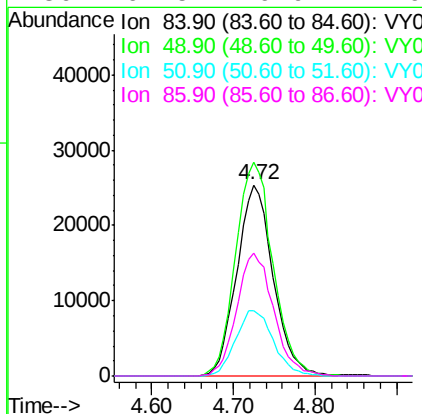
Manual Integrations
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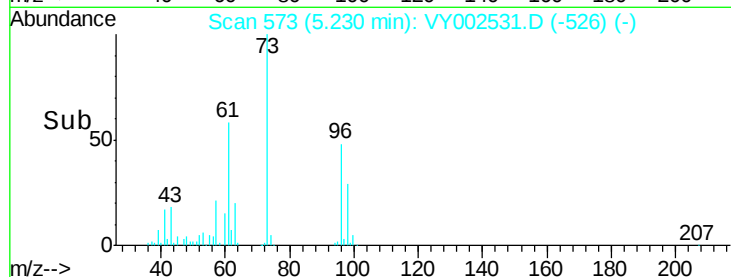
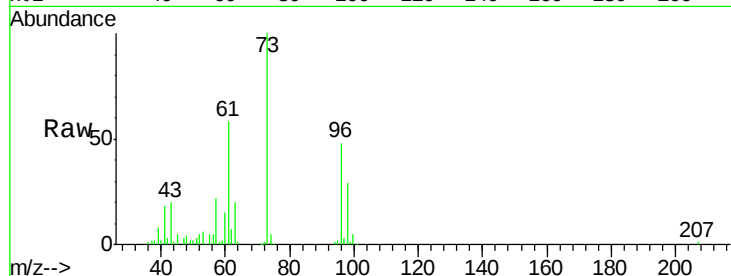
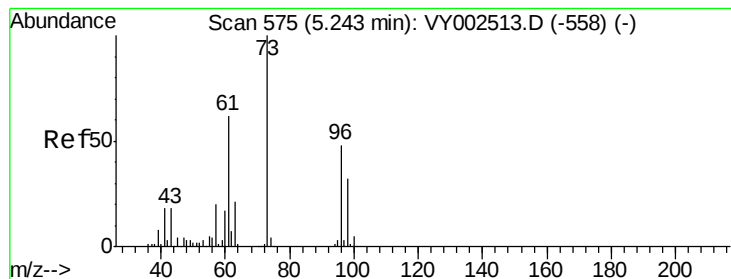
MMDadoda
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#20
Methylene Chloride
Concen: 21.297 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion: 84 Resp: 78647
Ion Ratio Lower Upper
84 100
49 112.0 90.5 135.7
51 34.6 28.3 42.5
86 64.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.391 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Tot Ion:	96	Resp:	69432
Ion	Ratio	Lower	Upper
96	100		
61	122.3	102.0	153.0
98	61.5	53.0	79.4

Instrument :

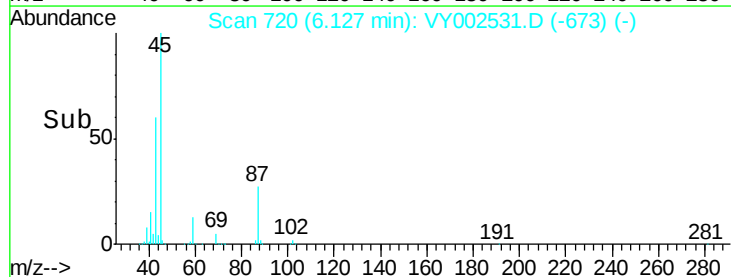
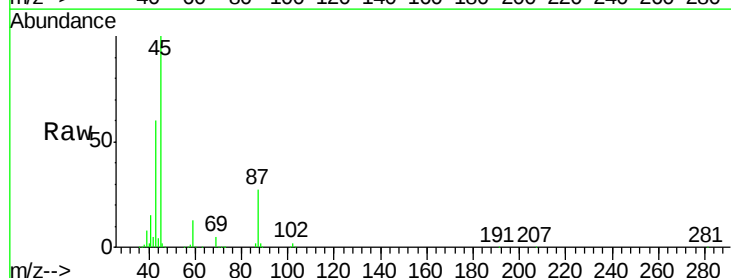
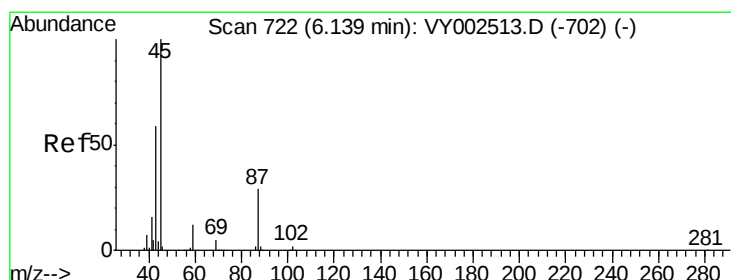
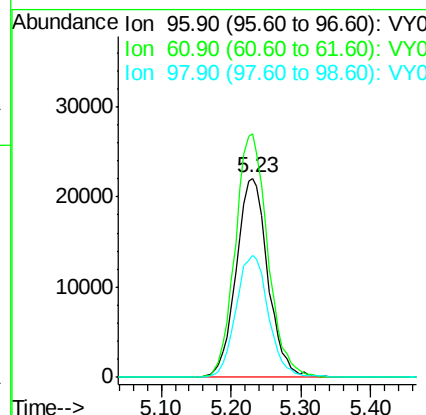
MSVOA_Y

ClientSampleId :

VY0504SBS01

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#22

Diisopropyl ether

Concen: 20.446 ug/l

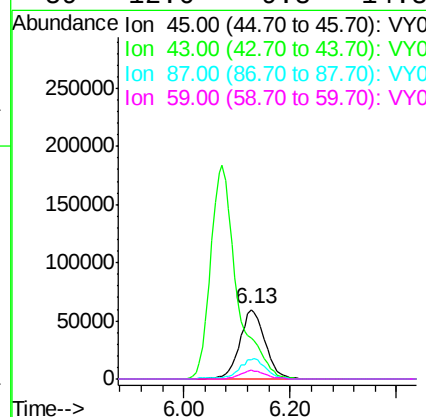
RT: 6.13 min Scan# 720

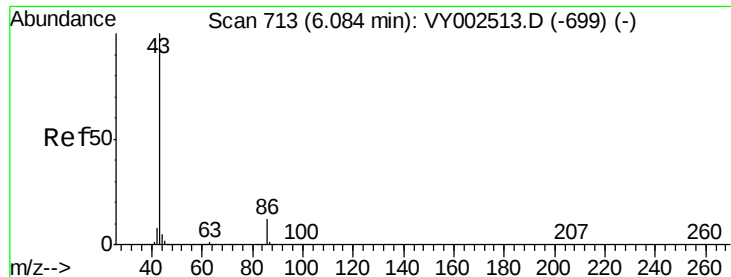
Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Tgt Ion:	45	Resp:	197476
Ion	Ratio	Lower	Upper
45	100		
43	59.4	47.4	71.0
87	27.2	24.0	36.0
59	12.6	9.8	14.8





#23

Vinyl Acetate

Concen: 102.521 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS01

Tot Ion: 43 Resp: 622714

Ion Ratio Lower Upper

43 100

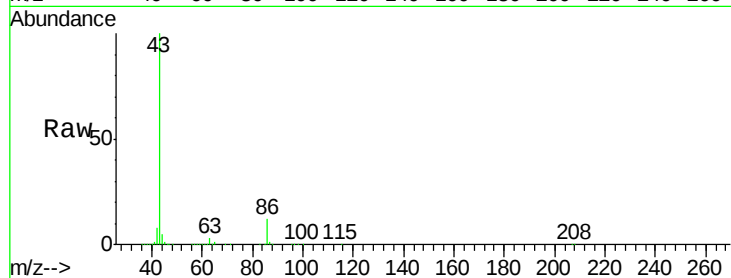
86 11.9 9.8 14.6

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

6.07

200000

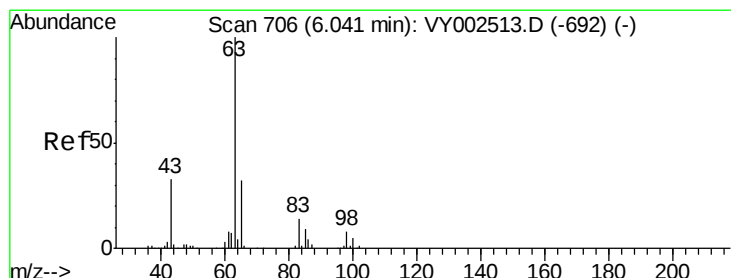
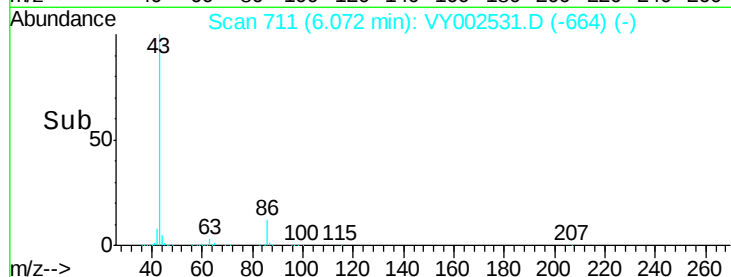
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.786 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

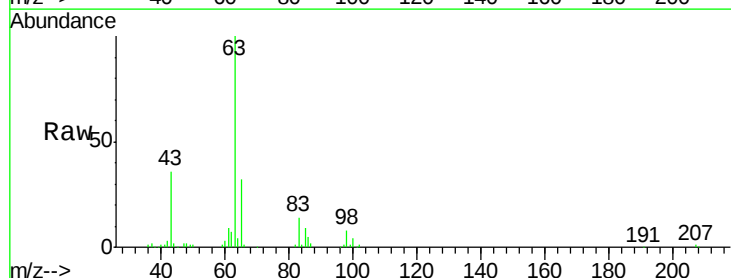
Tgt Ion: 63 Resp: 113055

Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.7

100 4.2 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

6.03

50000

40000

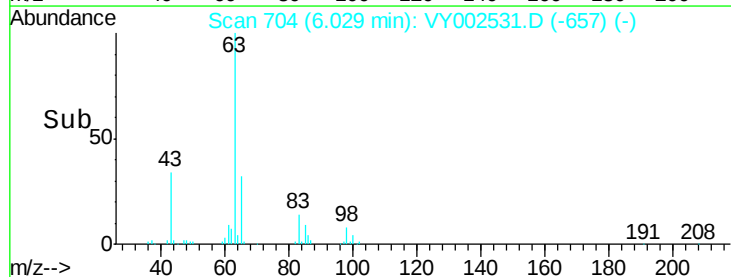
30000

20000

10000

0

Time-->





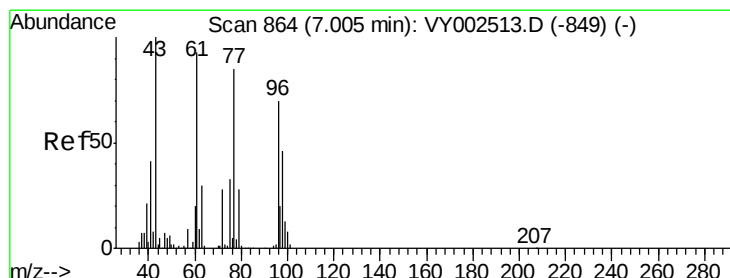
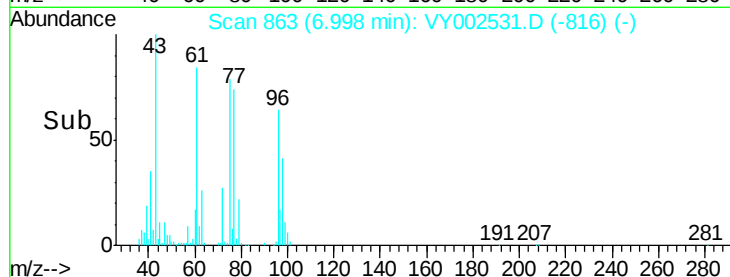
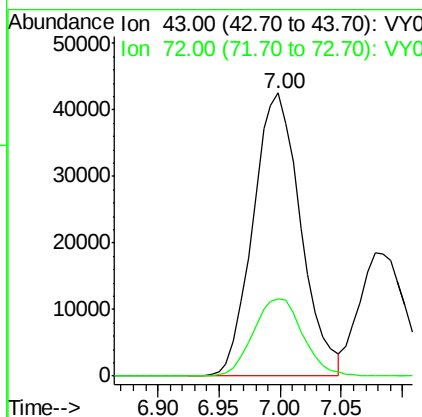
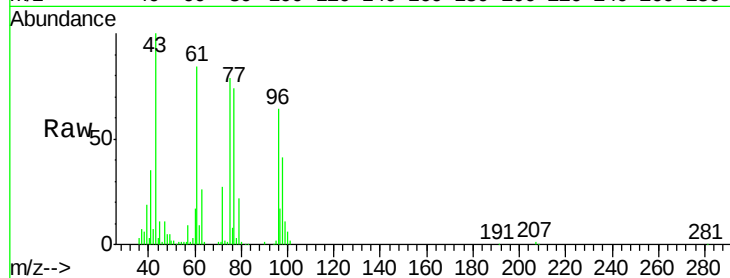
#25
2-Butanone
Concen: 106.720 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS01

Tot Ion: 43 Resp: 115365
Ion Ratio Lower Upper
43 100
72 27.4 24.1 36.1

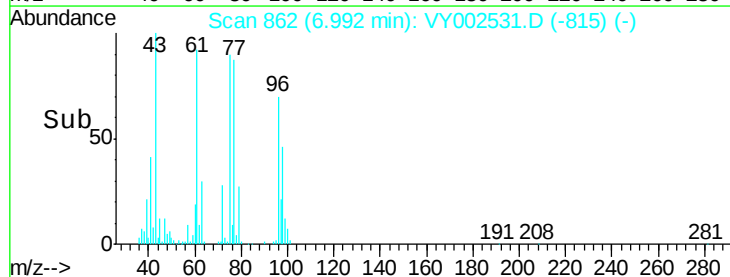
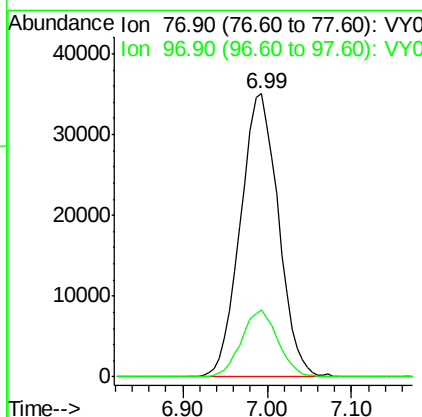
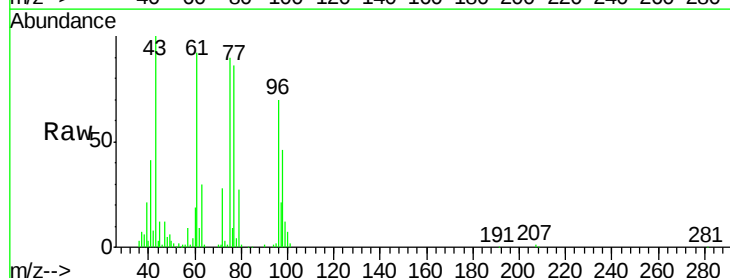
Manual Integrations
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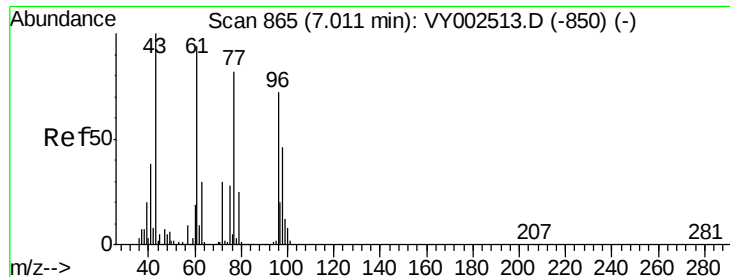
MMDadoda
5/5/2020 11:29:03 AM



#26
2,2-Dichloropropane
Concen: 19.782 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion: 77 Resp: 107439
Ion Ratio Lower Upper
77 100
97 22.8 11.9 35.5





#27

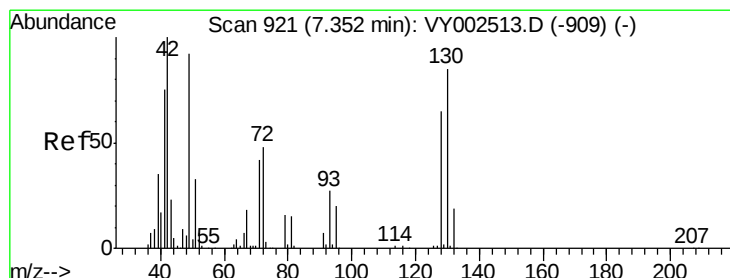
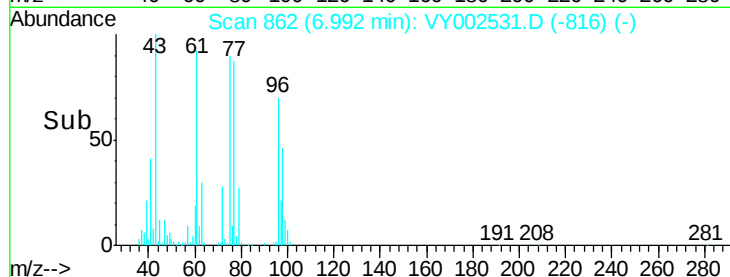
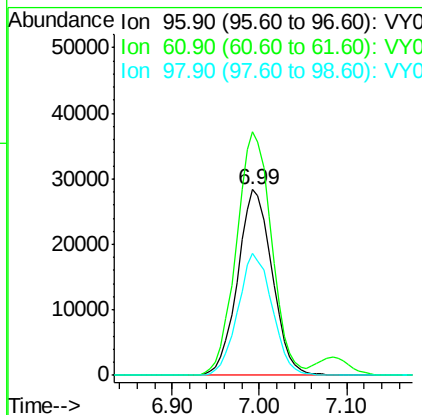
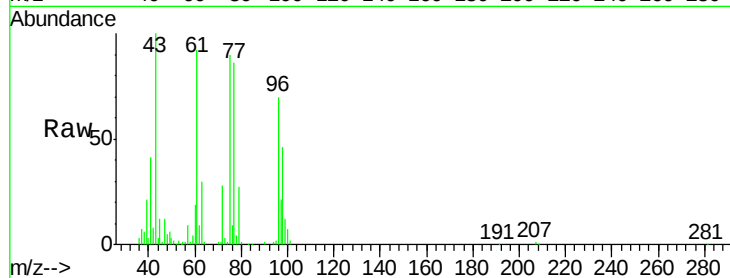
cis-1,2-Dichloroethene
 Concen: 19.600 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.9	0.0	266.6
98	65.6	0.0	129.2

Manual Integrations
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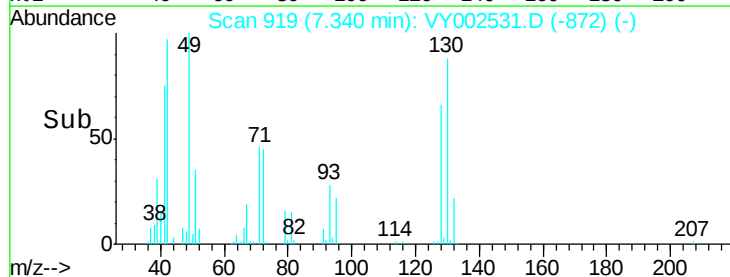
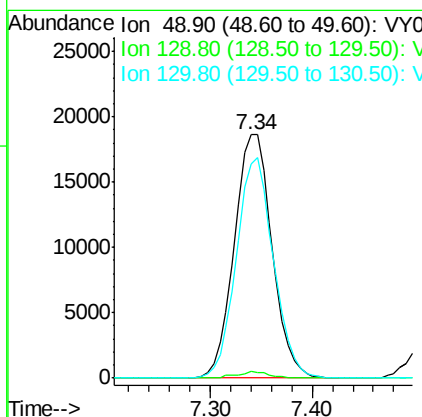
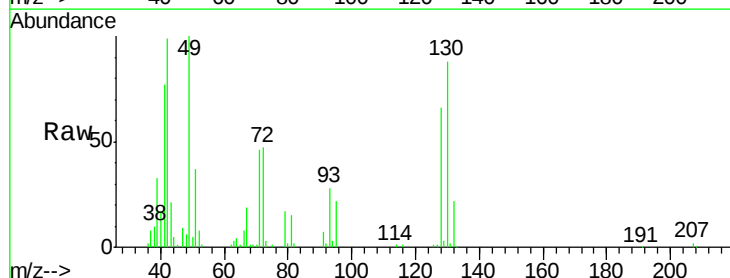
MMDadoda
 5/5/2020 11:29:03 AM

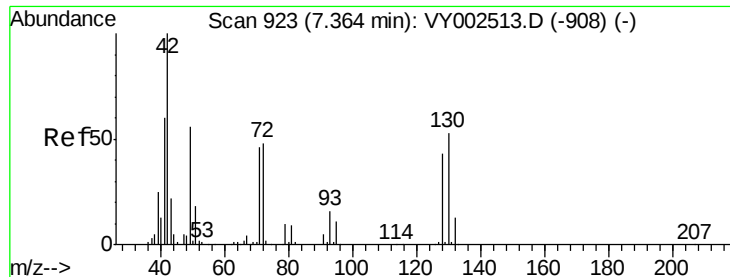


#28

Bromochloromethane
 Concen: 20.459 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	89.1	72.5	108.7





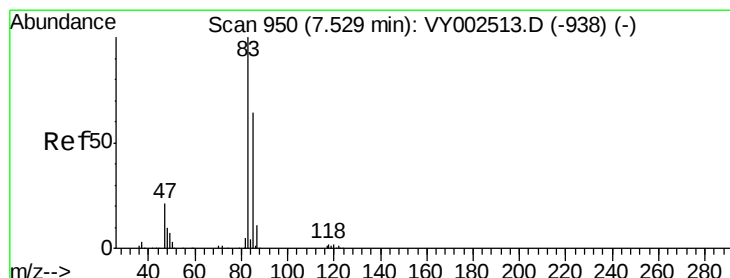
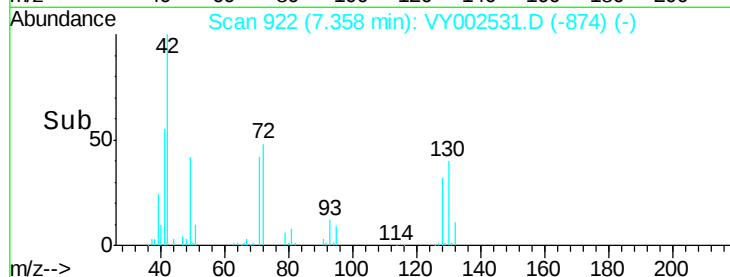
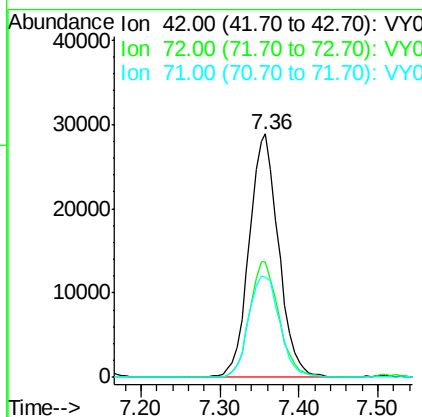
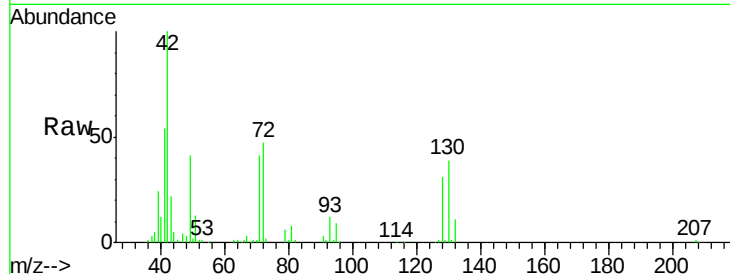
#29
Tetrahydrofuran
Concen: 104.801 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.4	56.2
71	44.1	35.0	52.4

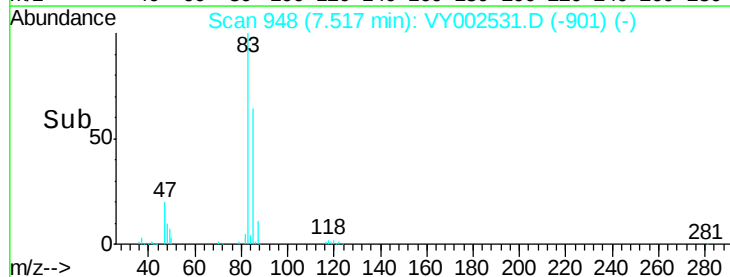
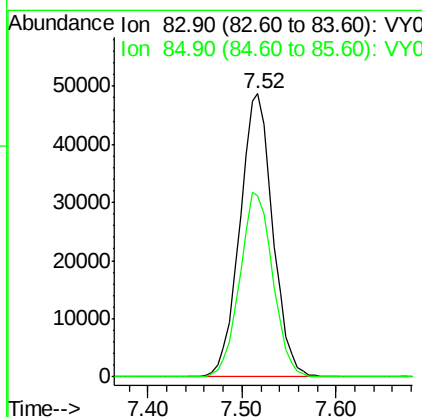
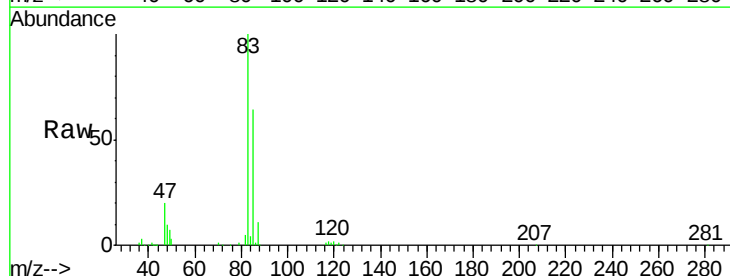
Manual Integrations
APPROVED

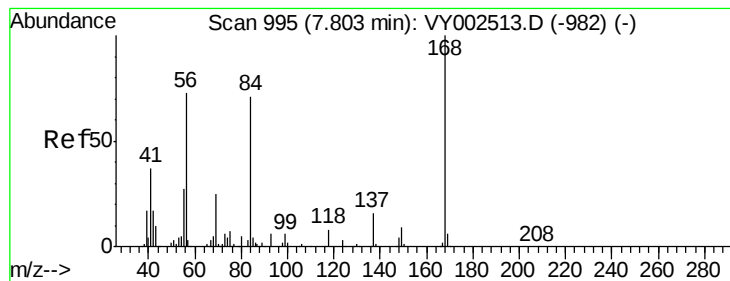
MMDadoda
5/5/2020 11:29:03 AM



#30
Chloroform
Concen: 19.983 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.5	77.3





#31

Cyclohexane

Concen: 18.857 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS01

Tot Ion: 56 Resp: 108456

Ion Ratio Lower Upper

56 100

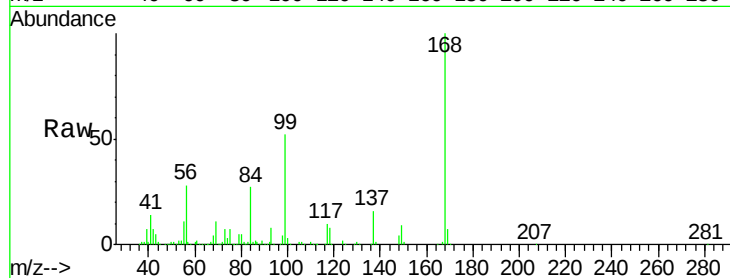
69 38.7 27.6 41.4

84 95.2 77.7 116.5

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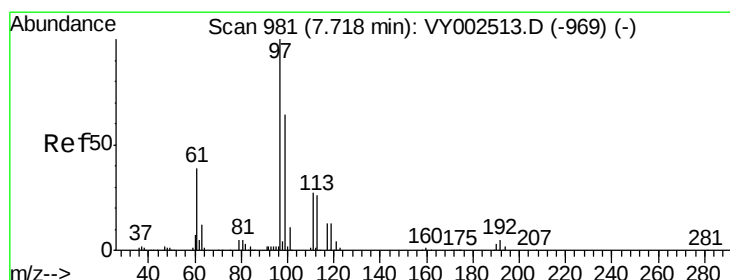
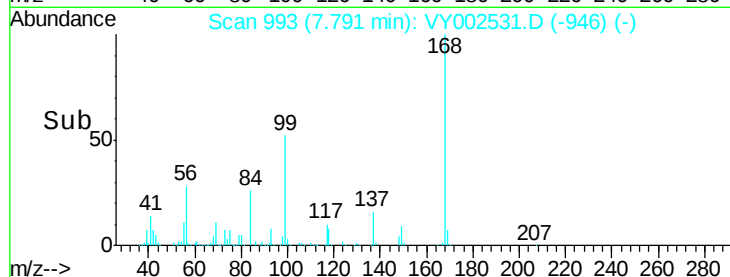
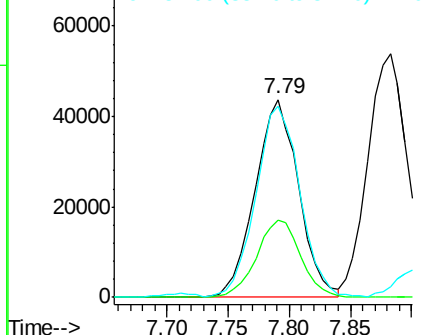
5/5/2020 11:29:03 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 19.750 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

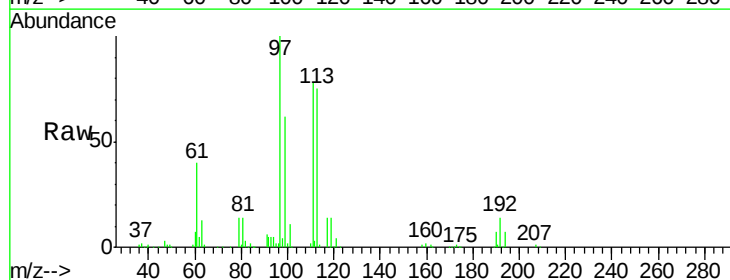
Tgt Ion: 97 Resp: 109059

Ion Ratio Lower Upper

97 100

99 64.0 51.9 77.9

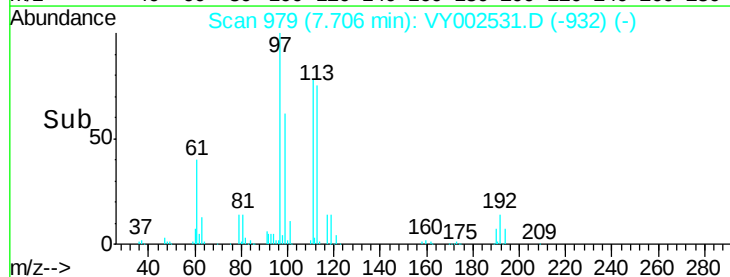
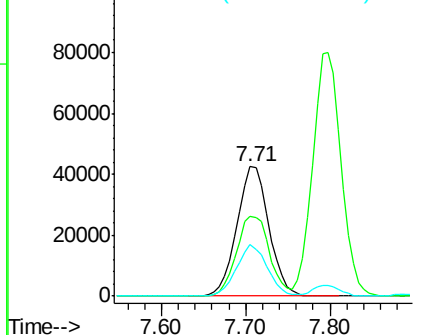
61 38.4 31.0 46.6

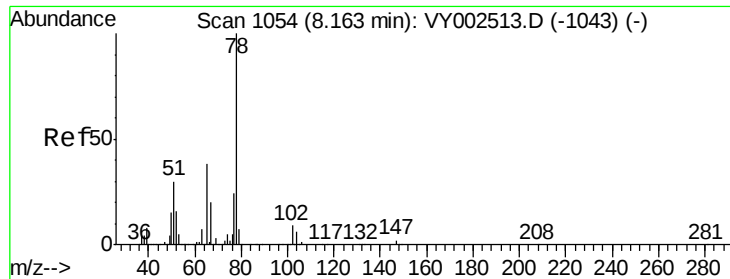


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





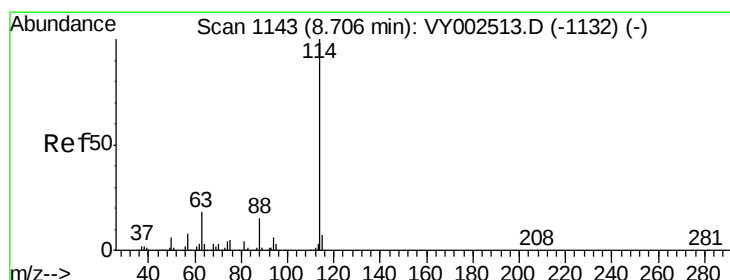
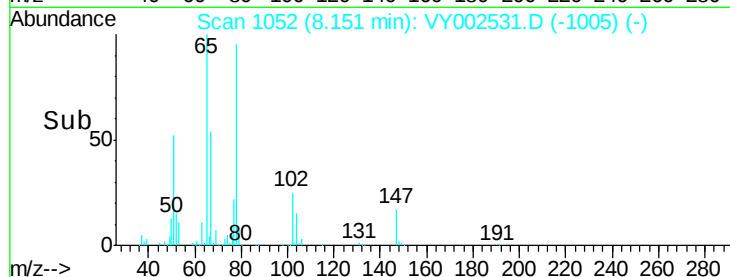
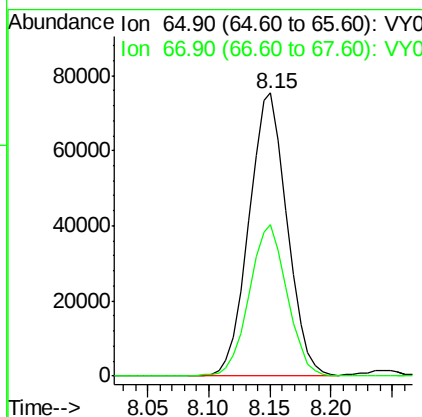
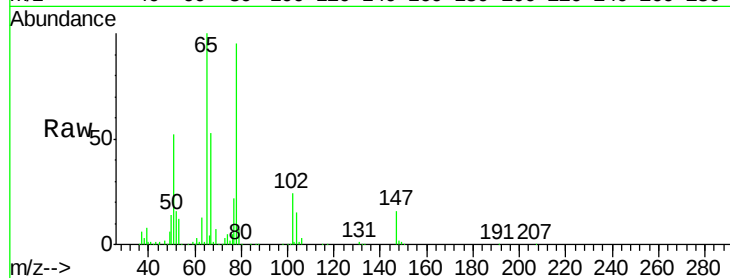
#33
 1,2-Dichloroethane-d4
 Concen: 51.045 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	107.2	

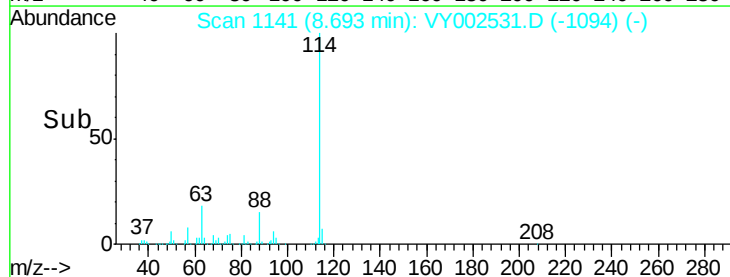
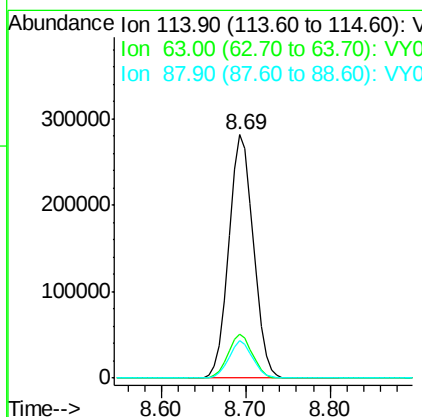
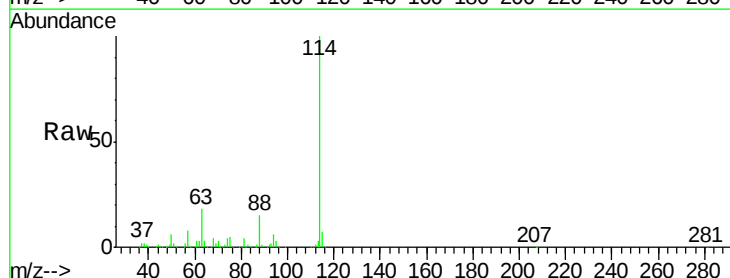
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.1	0.0	36.4	
88	15.4	0.0	29.6	





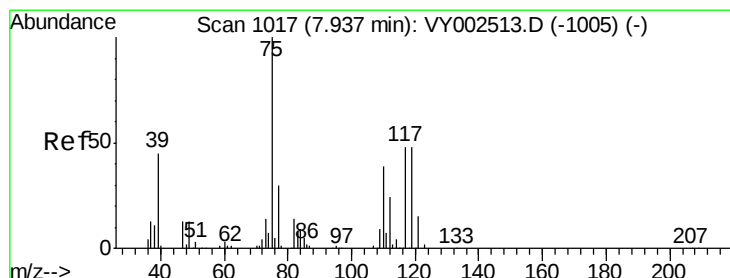
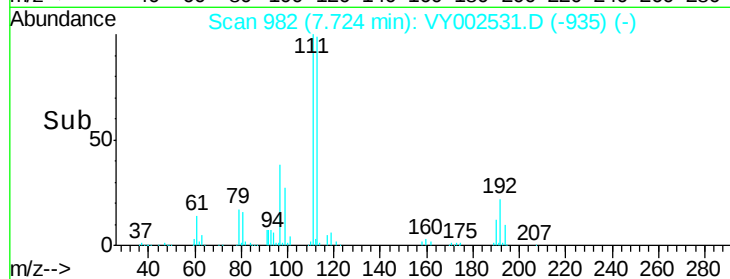
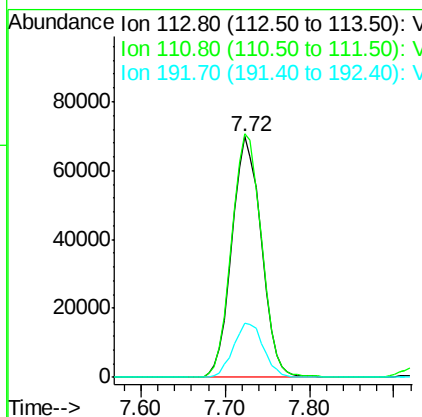
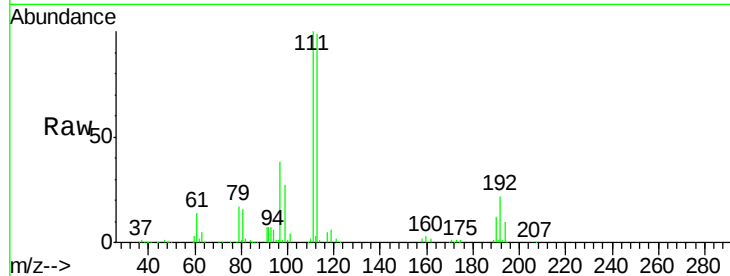
#35
Dibromofluoromethane
Concen: 51.916 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	81.8	122.6	
192	22.8	18.2	27.4	

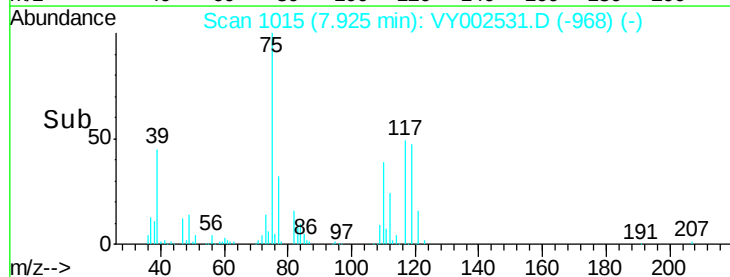
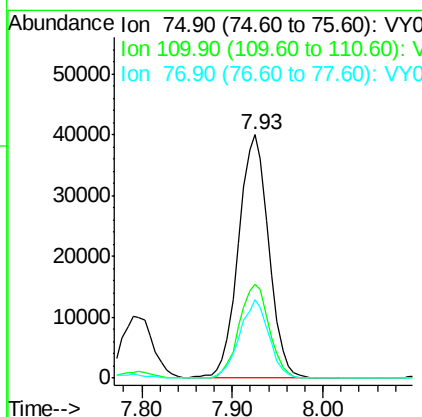
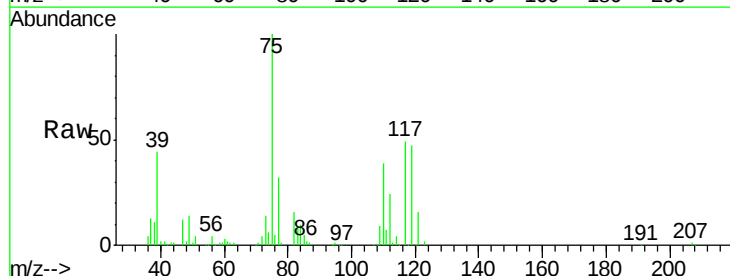
Manual Integrations
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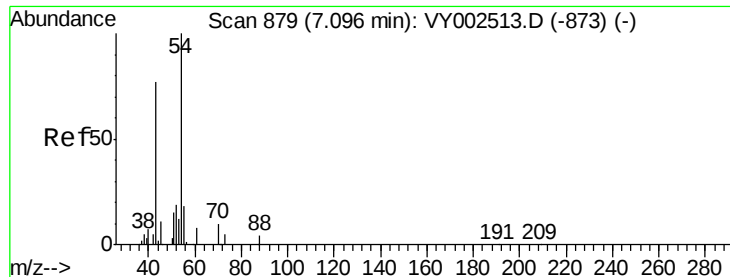
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#36
1,1-Dichloropropene
Concen: 19.770 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.2	19.1	57.3	
77	31.1	24.6	37.0	





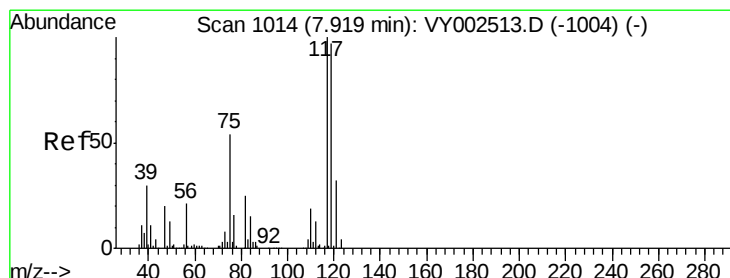
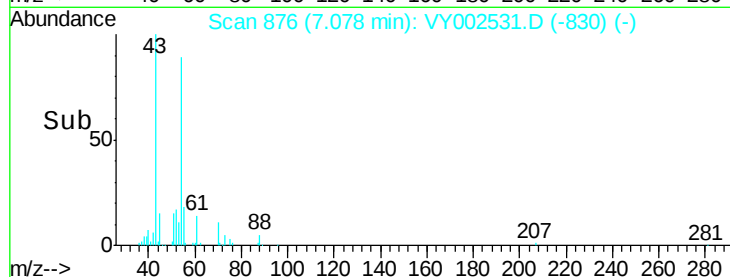
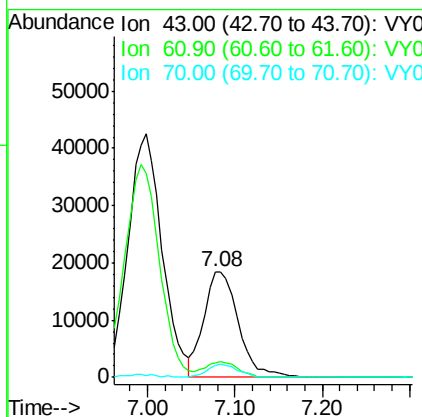
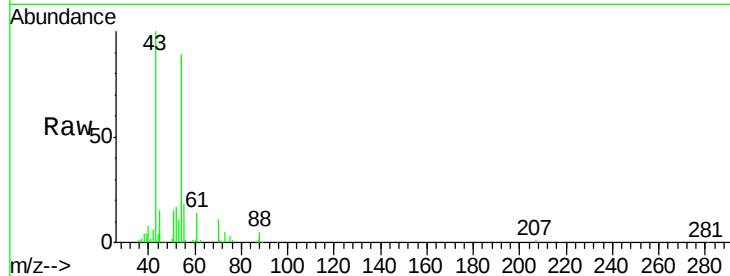
#37
Ethyl Acetate
Concen: 21.274 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.02 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.6	17.4
70	11.0	9.0	13.6

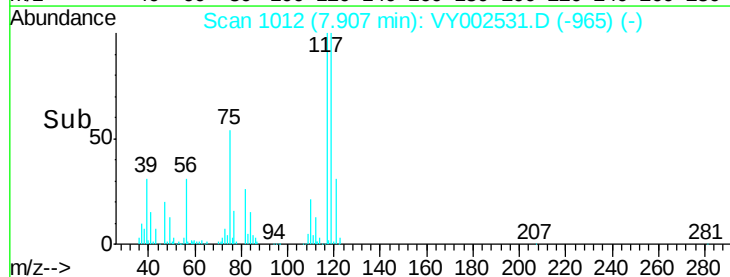
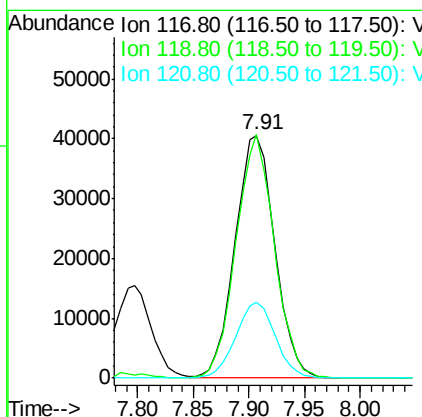
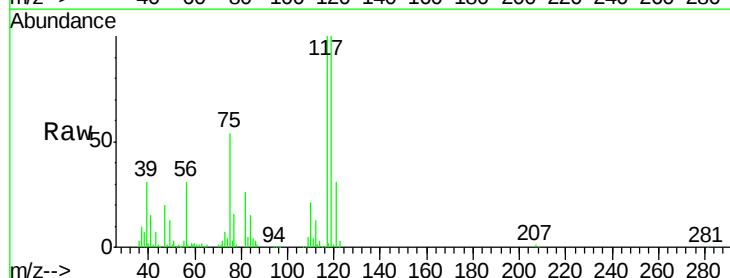
Manual Integrations
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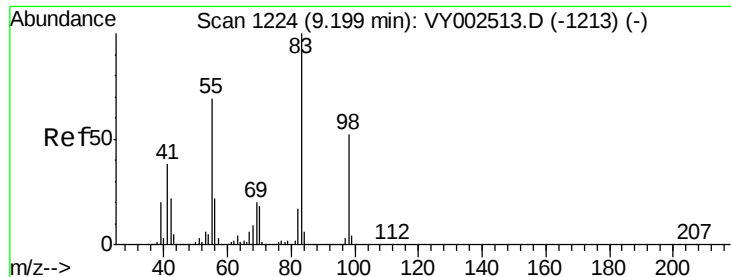
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#38
Carbon Tetrachloride
Concen: 19.784 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.5	77.1	115.7
121	31.1	25.2	37.8





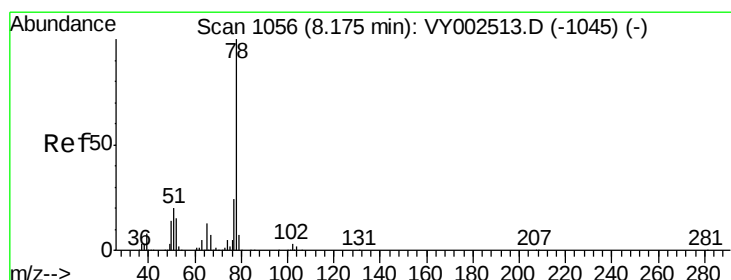
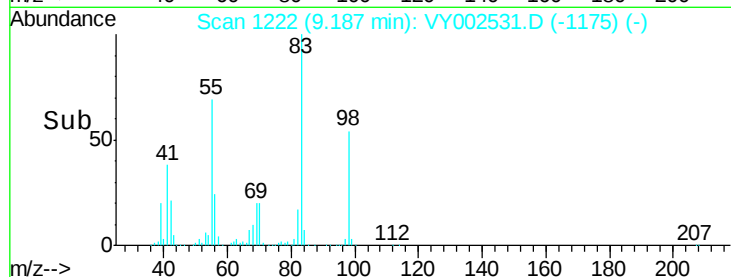
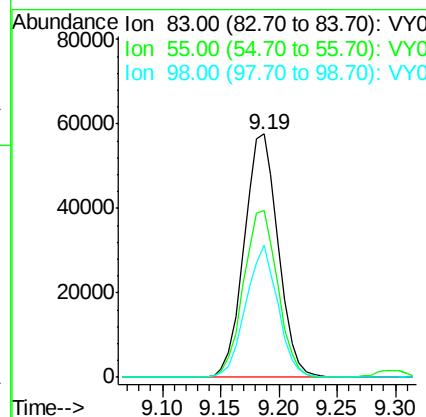
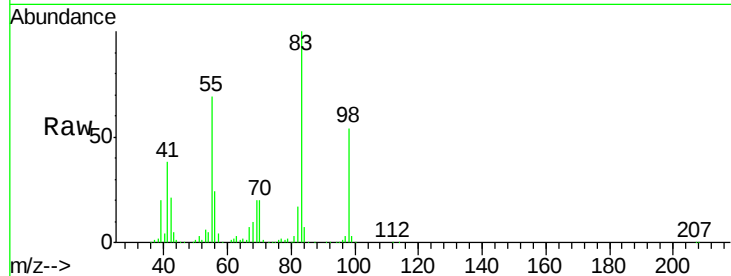
#39
Methvlcvclohexane
Concen: 19.077 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	117771		
55	68.7		55.4	83.0
98	54.4		41.3	61.9

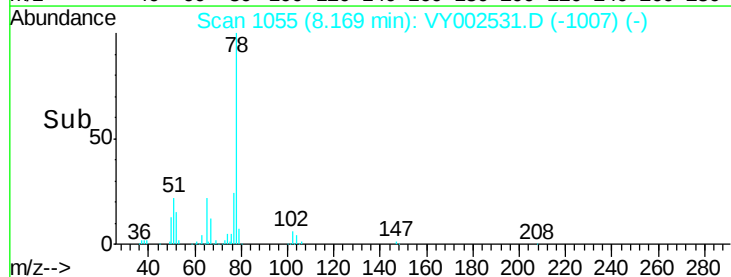
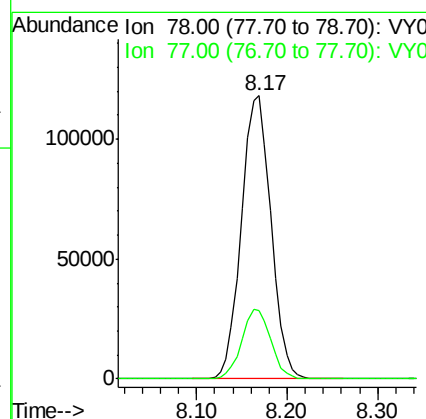
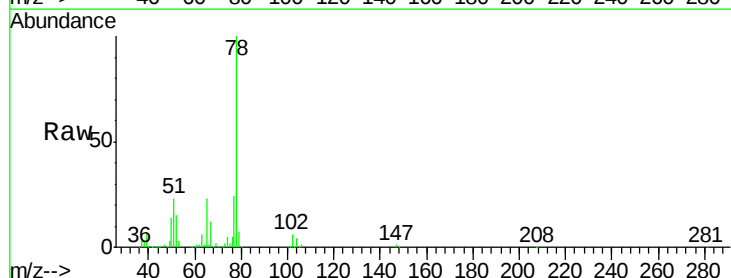
Manual Integrations
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#40
Benzene
Concen: 19.783 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	267060		
77	24.0		19.2	28.8





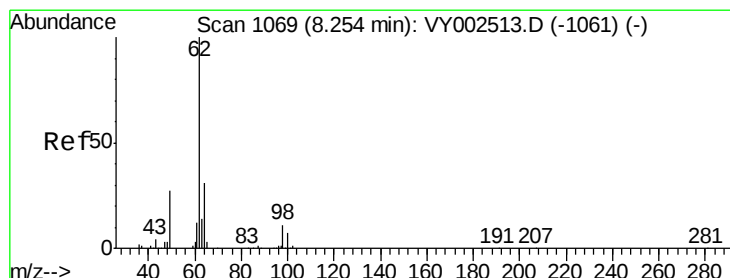
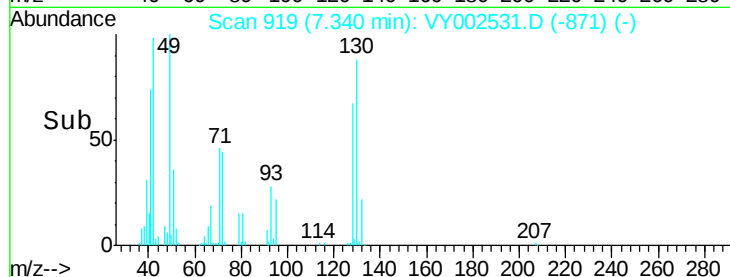
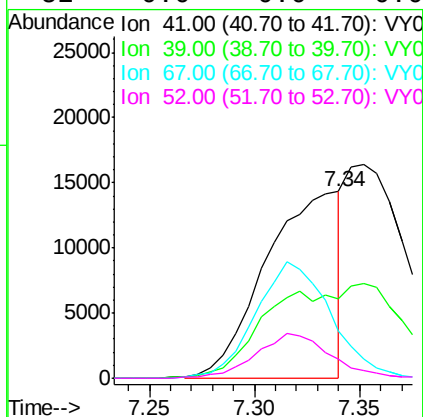
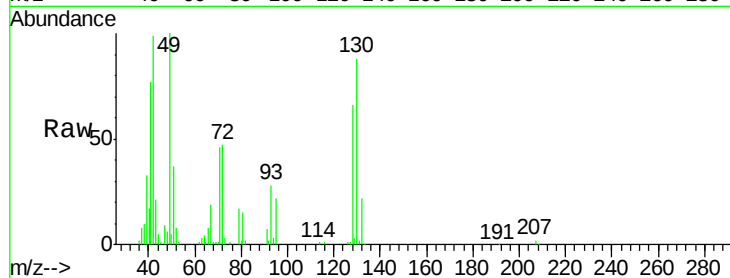
#41
Methacrylonitrile
Concen: 27.611 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD01

Tot 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

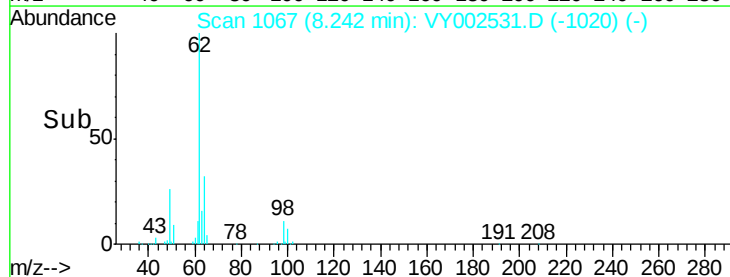
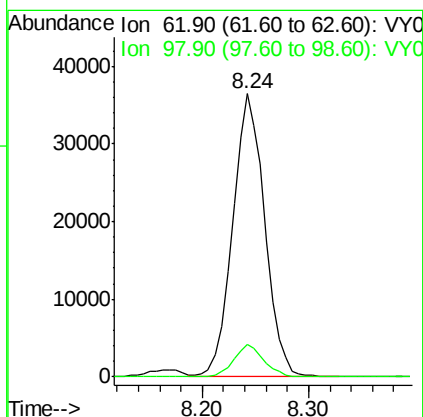
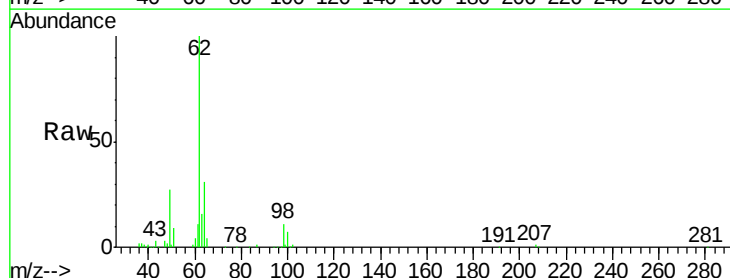
Manual Integrations
APPROVED

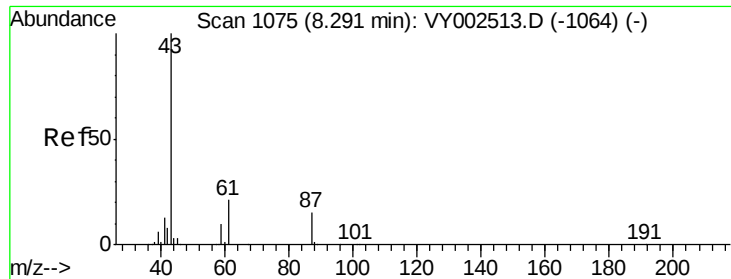
MMDadoda
5/5/2020 11:29:03 AM



#42
1,2-Dichloroethane
Concen: 20.326 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.0





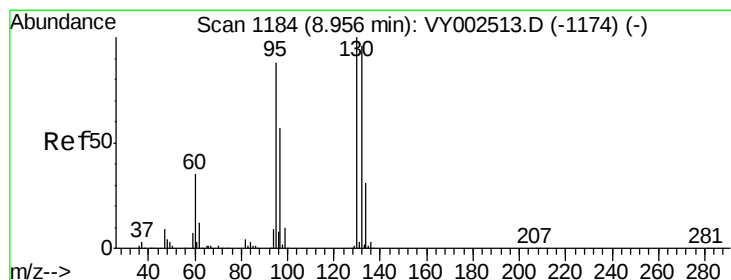
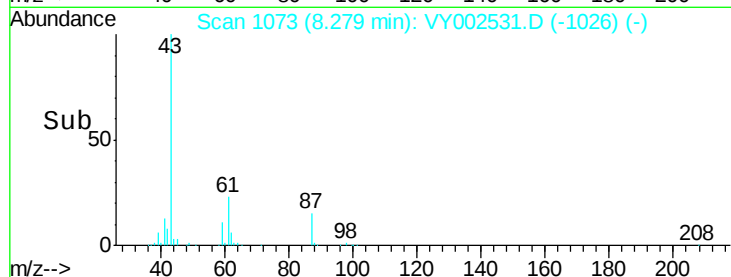
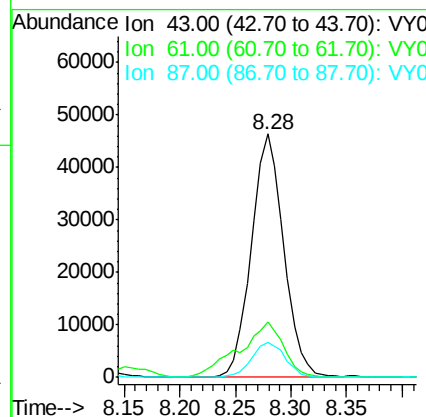
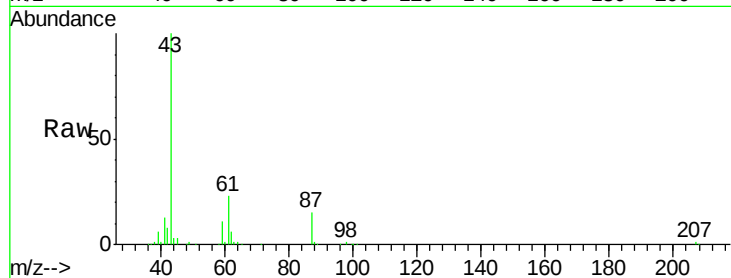
#43
Isopropyl Acetate
Concen: 20.920 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.8	37.2
87	15.0	12.2	18.2

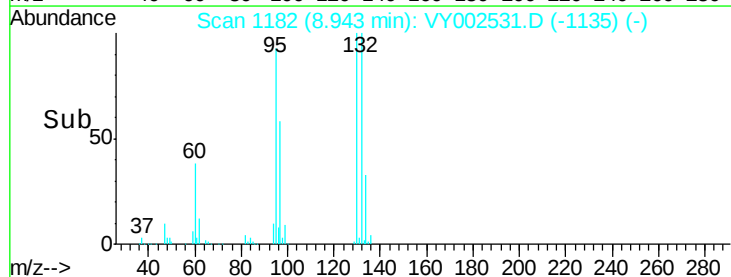
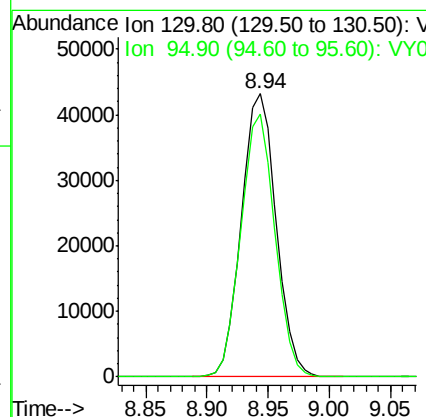
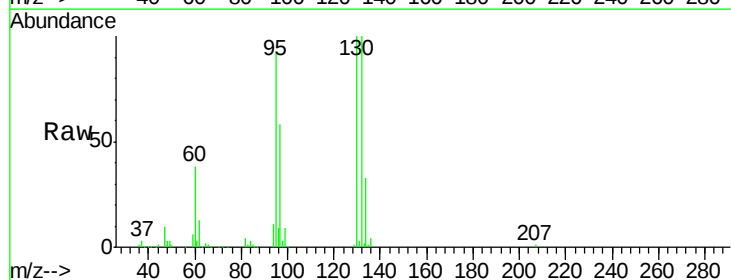
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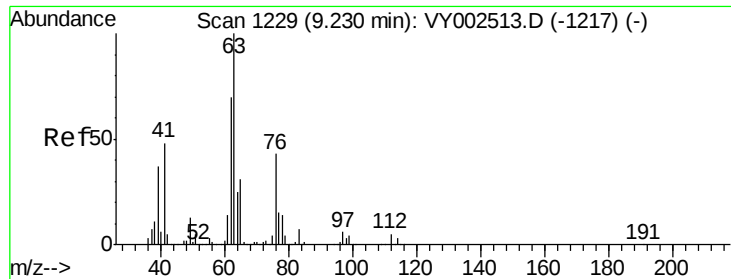
MMDadoda
5/5/2020 11:29:03 AM



#44
Trichloroethene
Concen: 20.209 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	175.8





#45

1,2-Dichloropropane

Concen: 19.964 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS01

Tot Ion: 63 Resp: 65043

Ion Ratio Lower Upper

63 100

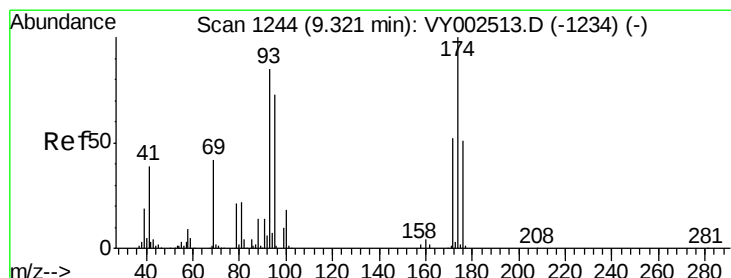
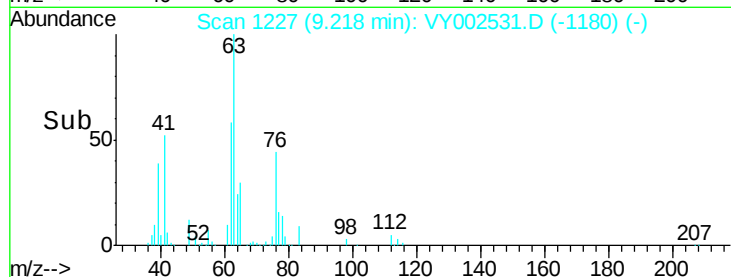
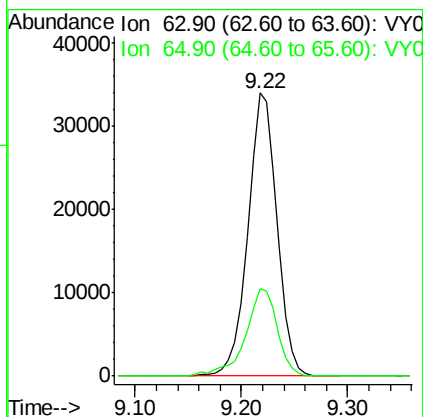
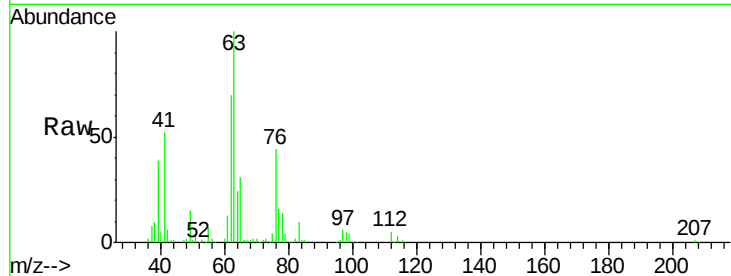
65 30.8 24.5 36.7

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#46

Dibromomethane

Concen: 20.545 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

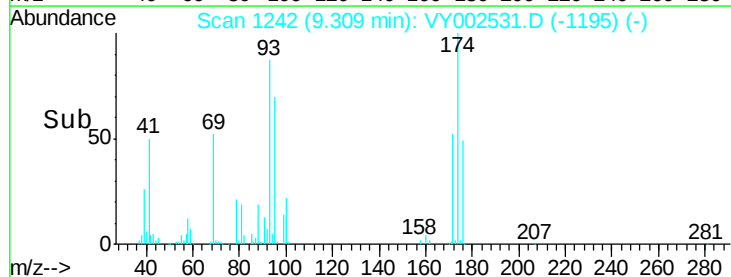
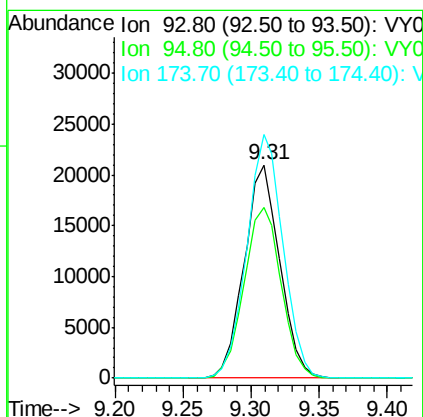
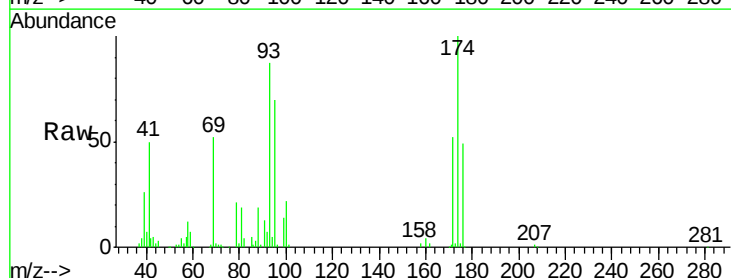
Tgt Ion: 93 Resp: 38511

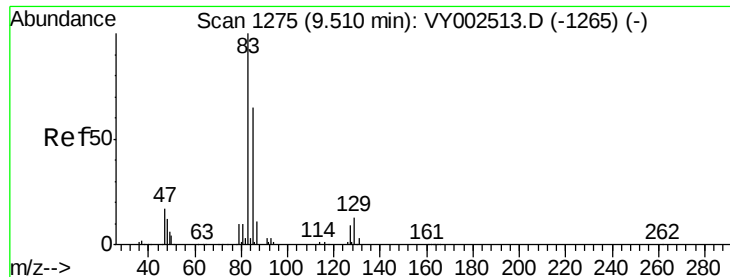
Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.4

174 116.1 92.7 139.1





#47

Bromodichloromethane

Concen: 20.306 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

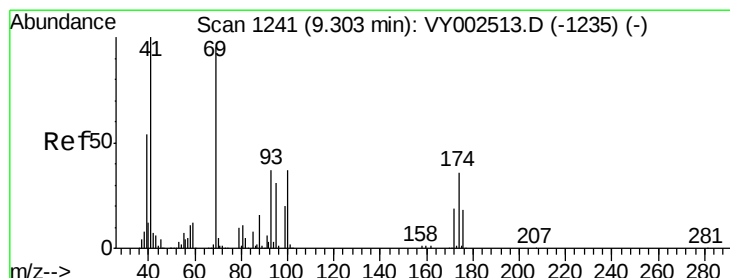
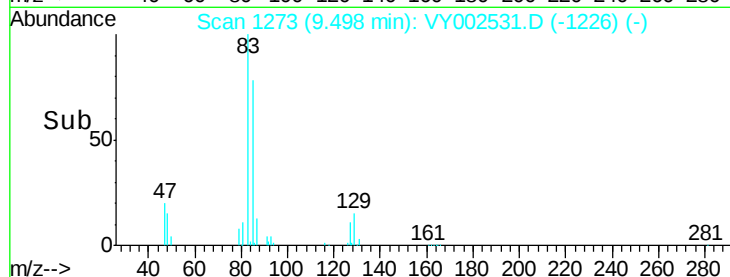
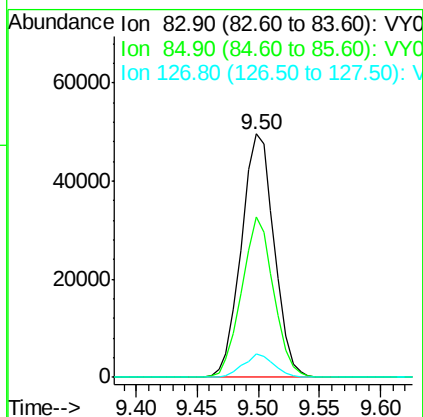
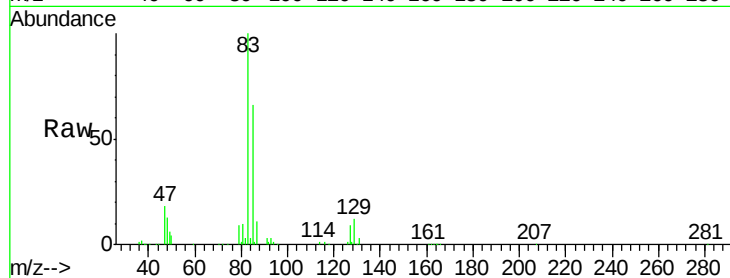
ClientSampleId :

VY0504SBS01

Tot Ion:	83	Resp:	92553
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.8	77.8
127	9.4	7.4	11.0

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#48

Methyl methacrylate

Concen: 21.024 ug/l

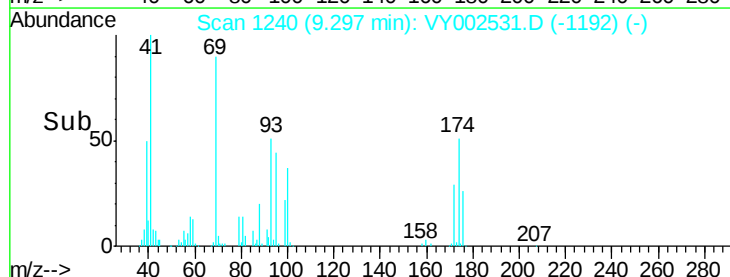
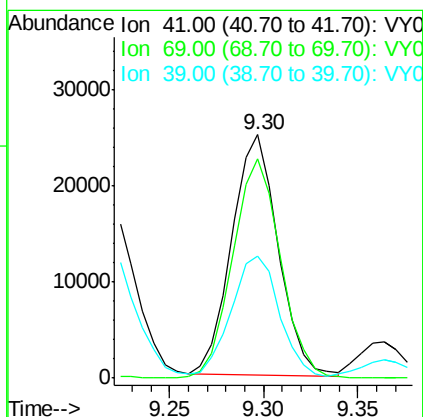
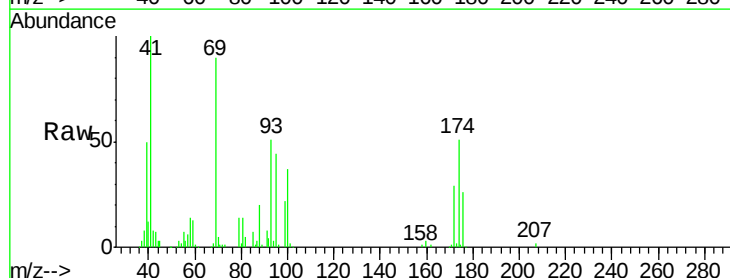
RT: 9.30 min Scan# 1240

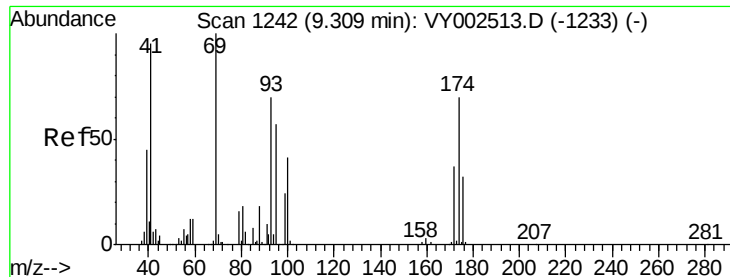
Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Tgt Ion:	41	Resp:	42843
Ion Ratio	Lower	Upper	
41	100		
69	93.7	76.2	114.4
39	53.5	42.7	64.1





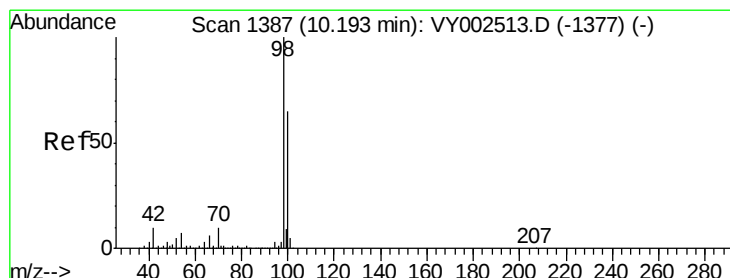
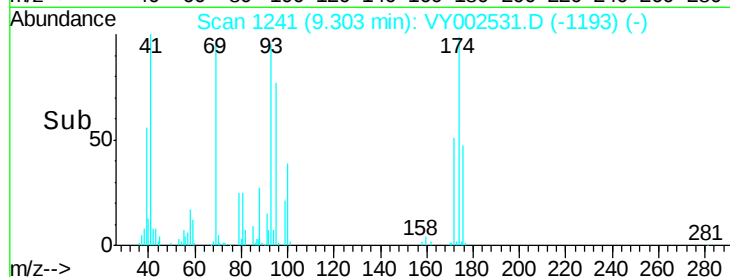
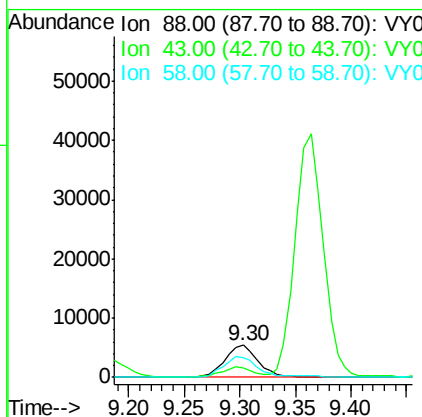
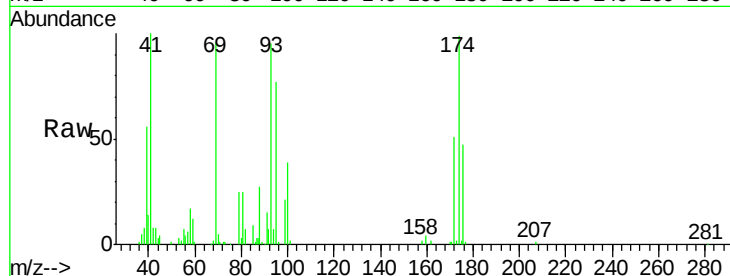
#49
1,4-Dioxane
Concen: 453.845 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	22.8	34.2
58	63.8	51.4	77.2

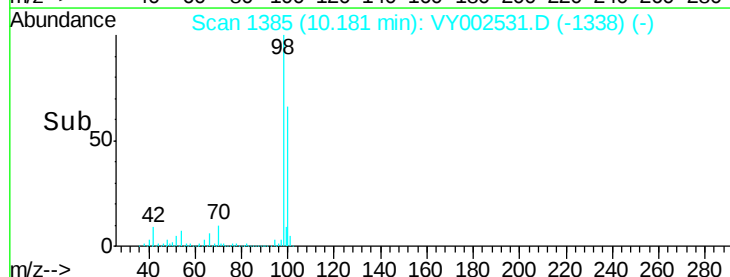
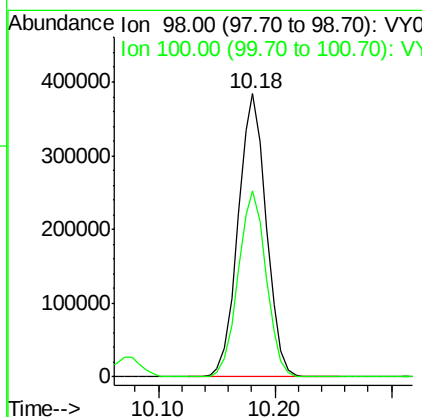
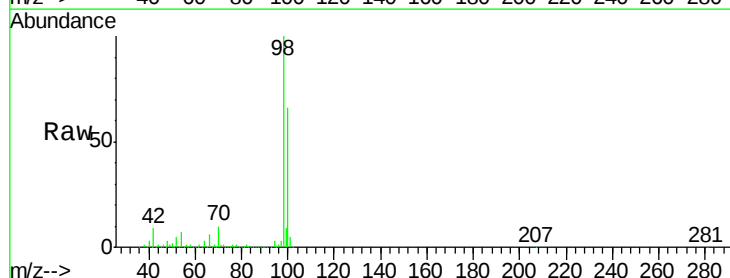
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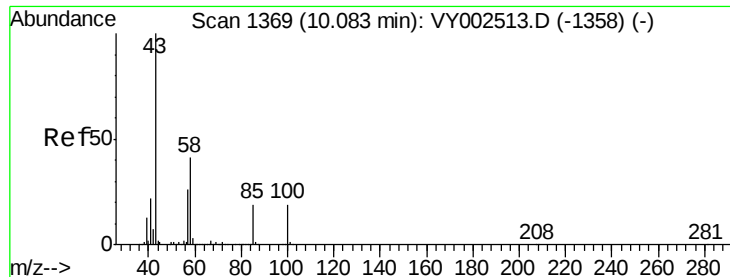
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#50
Toluene-d8
Concen: 51.773 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 108.605 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS01

Tot Ion: 43 Resp: 252057

Ion Ratio Lower Upper

43 100

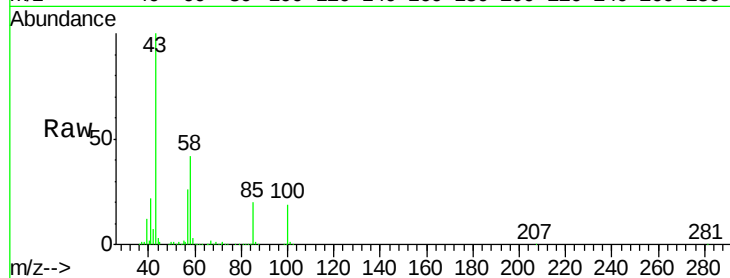
58 41.0 33.2 49.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

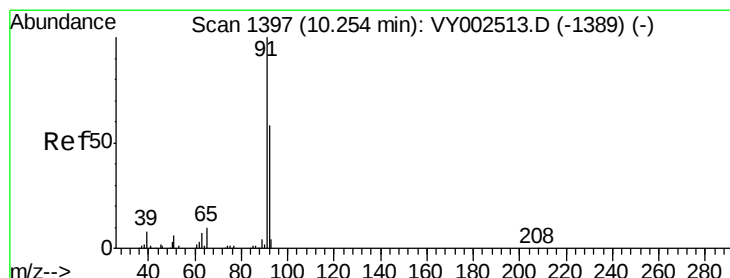
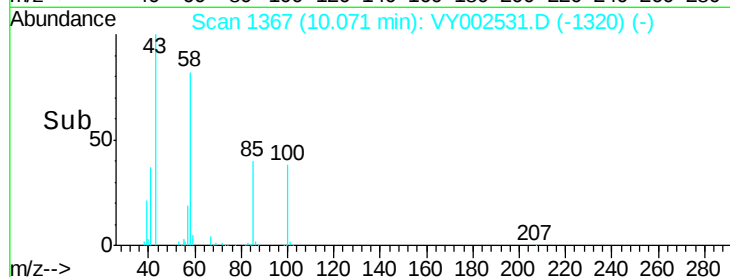
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.875 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY002531.D

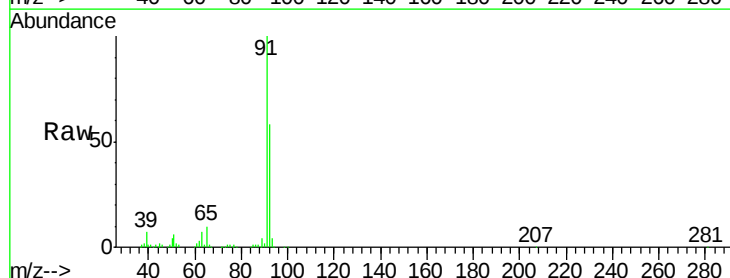
Acq: 04 May 2020 11:35

Tgt Ion: 92 Resp: 172424

Ion Ratio Lower Upper

92 100

91 174.2 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

200000

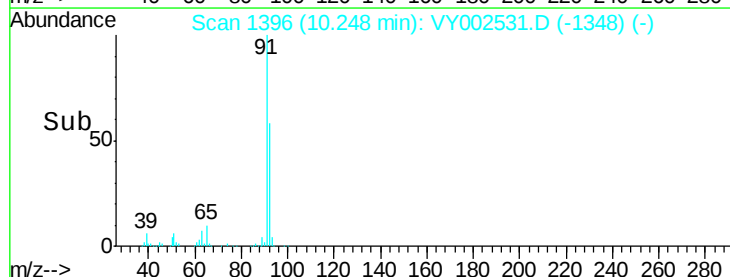
150000

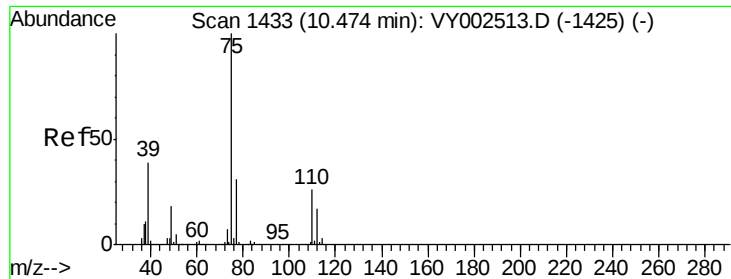
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50000

0

Time-->





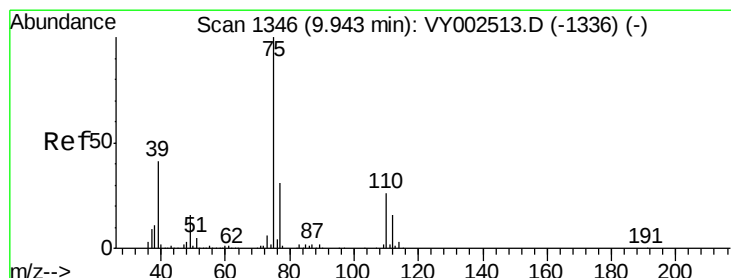
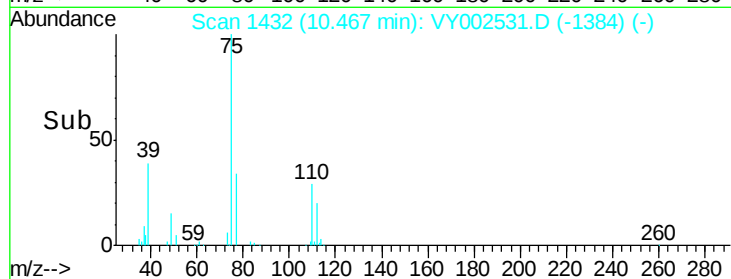
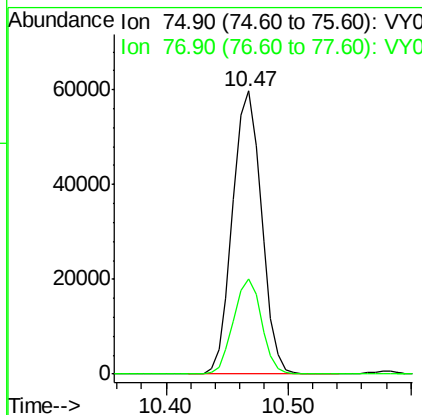
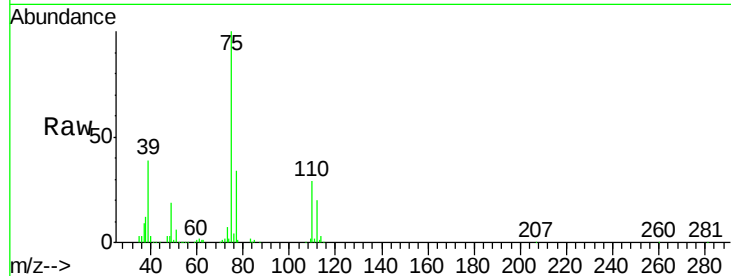
#53
t-1,3-Dichloropropene
Concen: 20.501 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.0	37.6

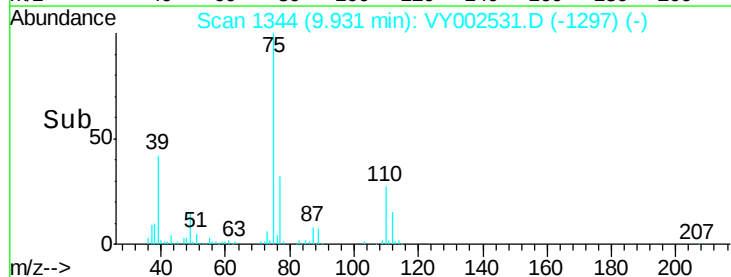
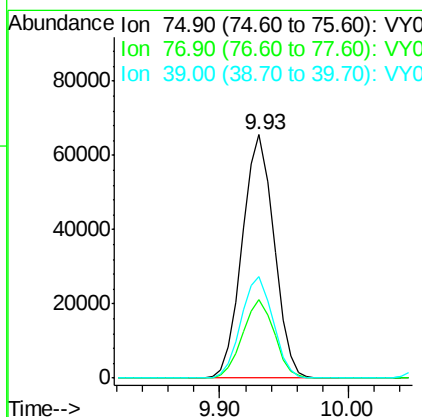
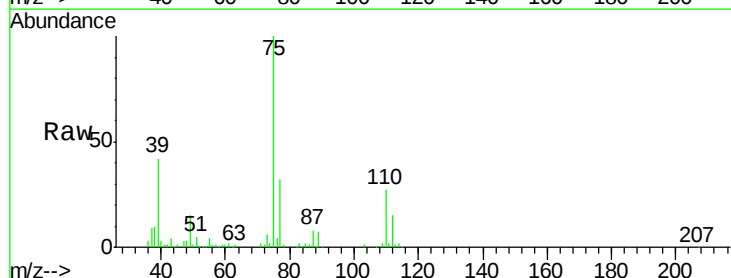
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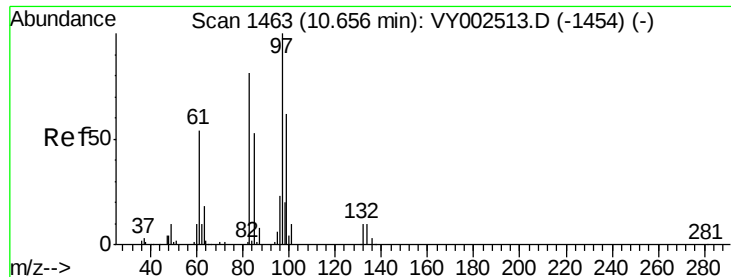
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.283 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.1	37.7
39	41.8	32.7	49.1





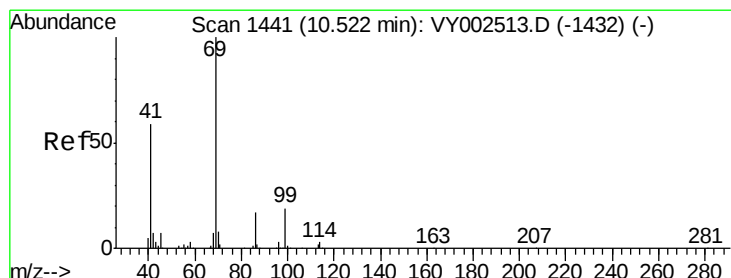
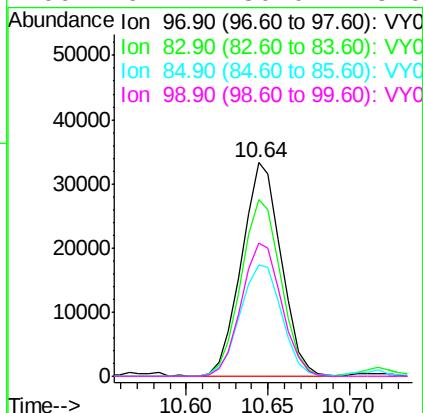
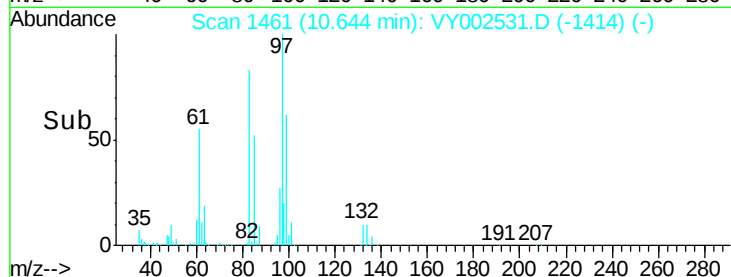
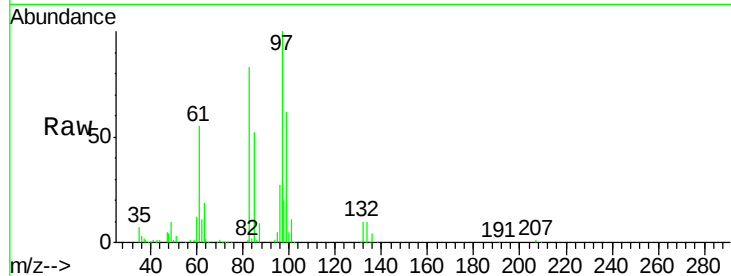
#55
 1,1,2-Trichloroethane
 Concen: 20.434 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS01

Tot Ion:	97	Resp:	55857
Ion	Ratio	Lower	Upper
97	100		
83	82.7	65.1	97.7
85	52.6	42.7	64.1
99	62.4	50.0	75.0

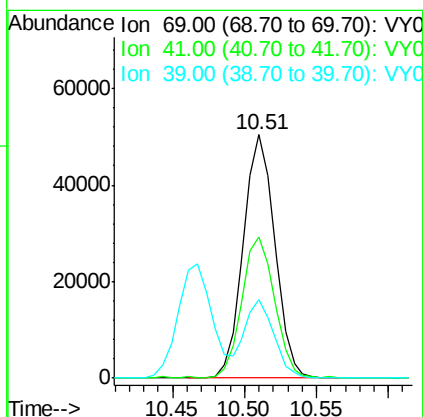
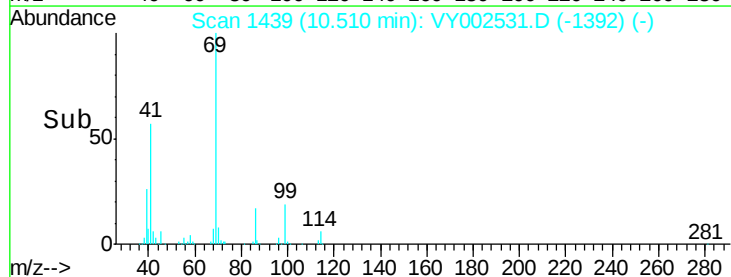
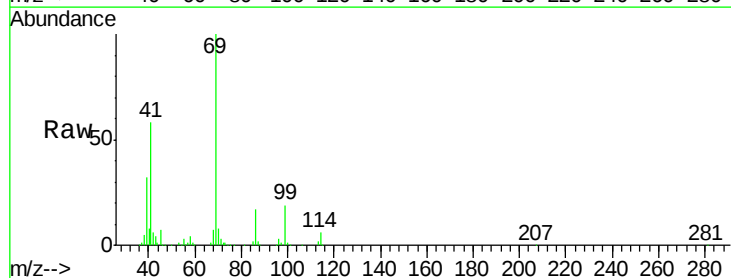
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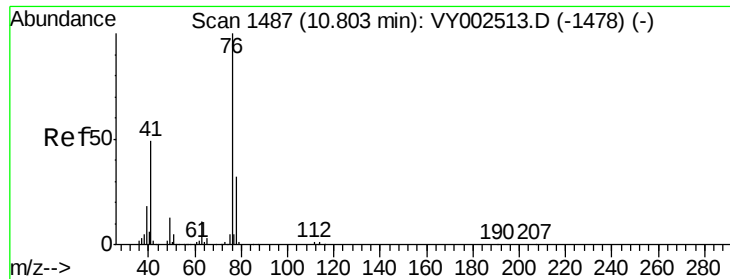
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#56
 Ethyl methacrylate
 Concen: 21.058 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Tgt Ion:	69	Resp:	76577
Ion	Ratio	Lower	Upper
69	100		
41	60.0	48.6	73.0
39	29.4	25.0	37.4





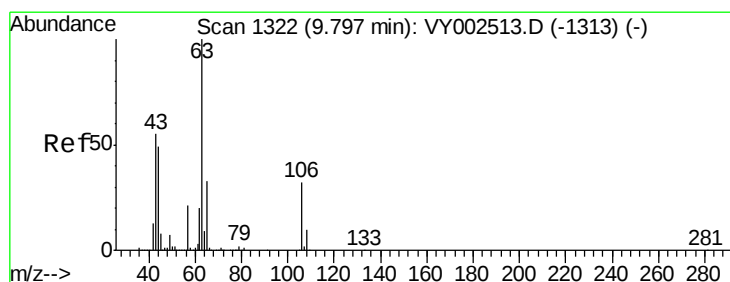
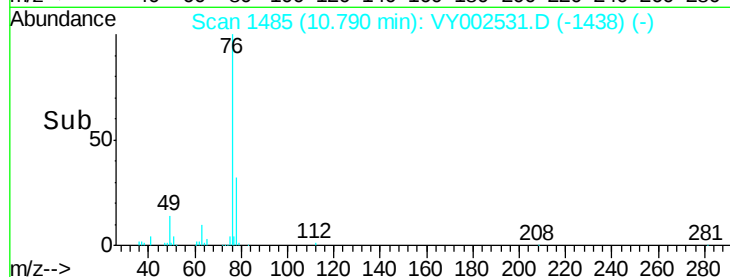
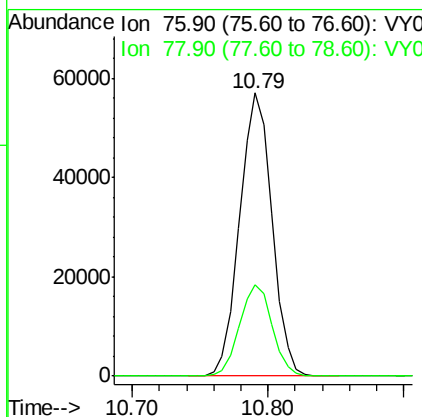
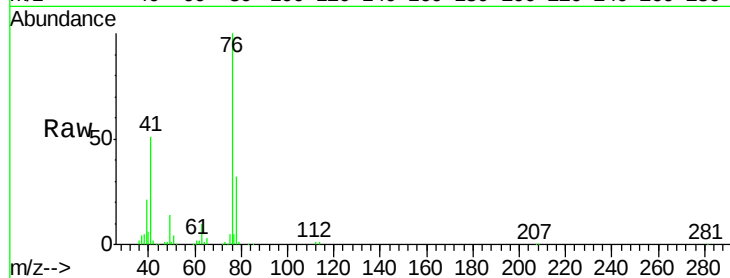
#57
 1,3-Dichloropropane
 Concen: 20.459 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS01

Tot Ion: 76 Resp: 94843
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.4 38.2

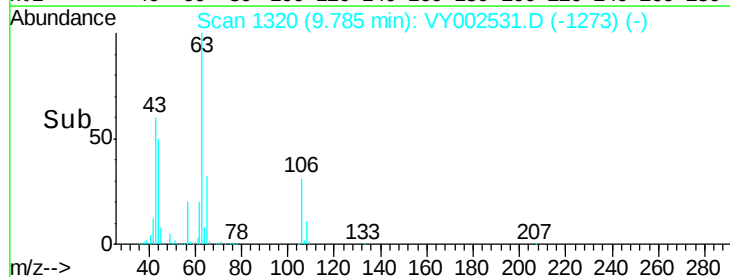
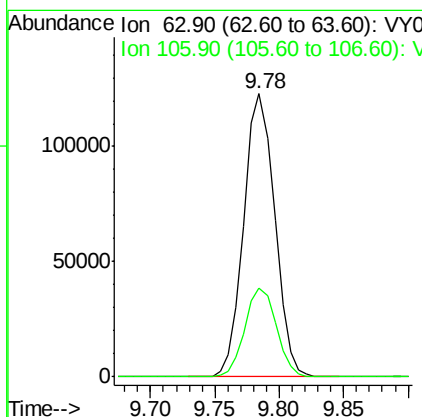
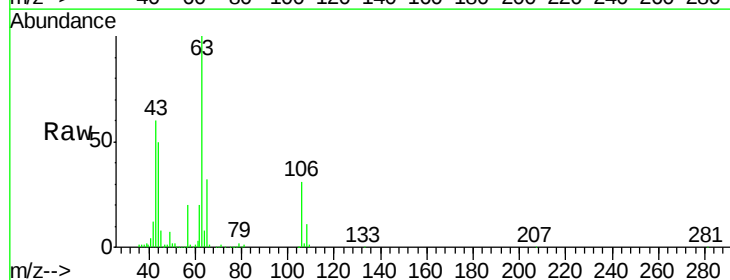
Manual Integrations
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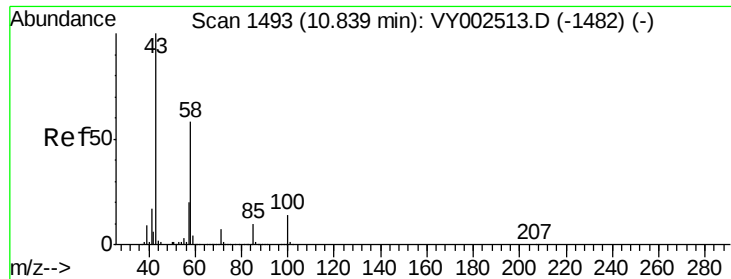
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#58
 2-Chloroethyl Vinyl ether
 Concen: 106.877 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Tgt Ion: 63 Resp: 204959
 Ion Ratio Lower Upper
 63 100
 106 31.8 25.2 37.8





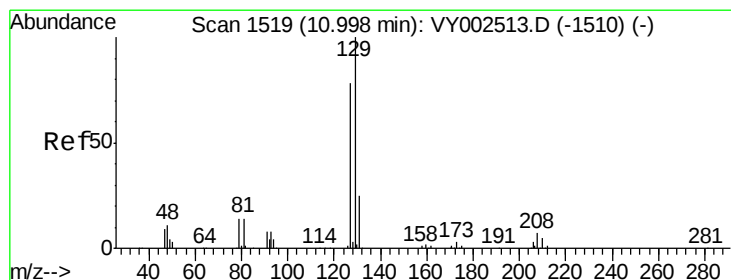
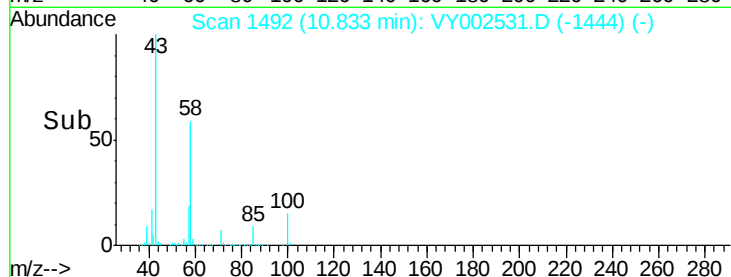
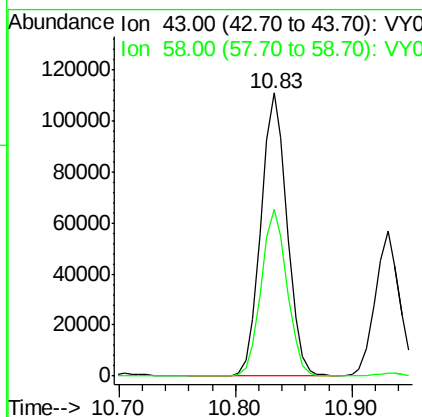
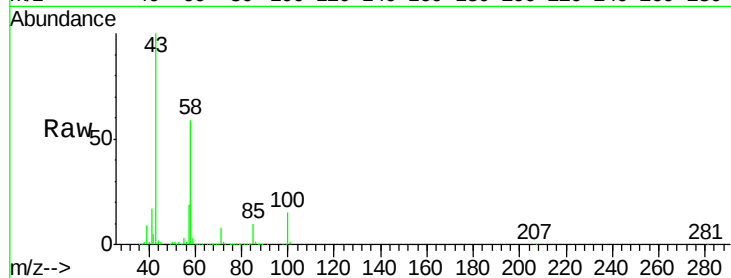
#59
2-Hexanone
Concen: 107.779 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD01

Tot Ion: 43 Resp: 172164
Ion Ratio Lower Upper
43 100
58 58.5 29.1 87.3

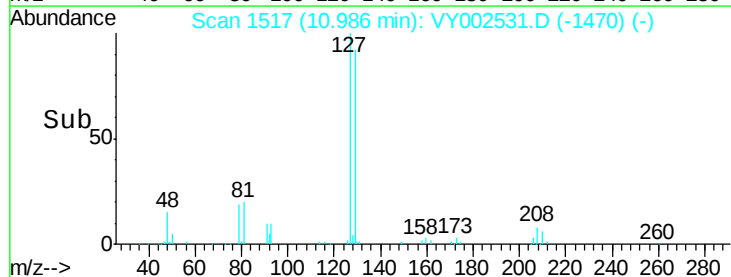
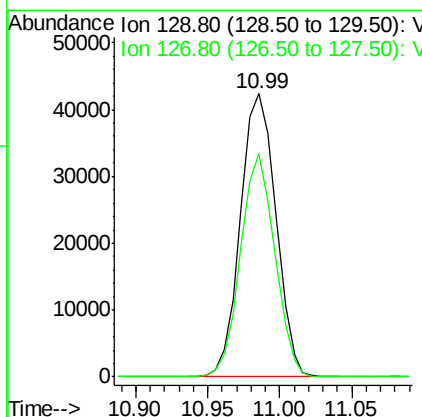
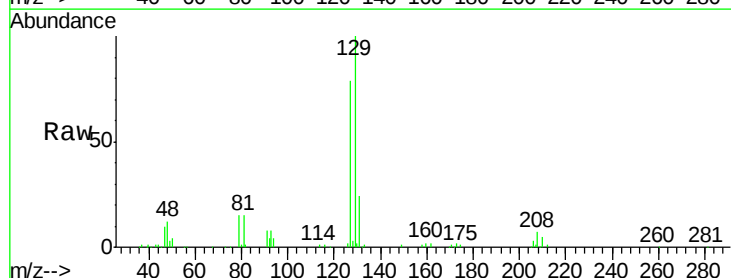
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#60
Dibromochloromethane
Concen: 20.831 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion: 129 Resp: 72422
Ion Ratio Lower Upper
129 100
127 76.0 39.0 117.0





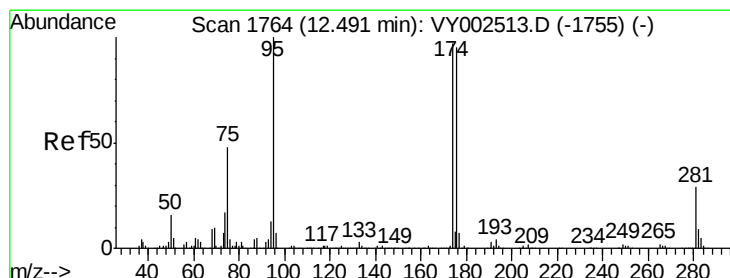
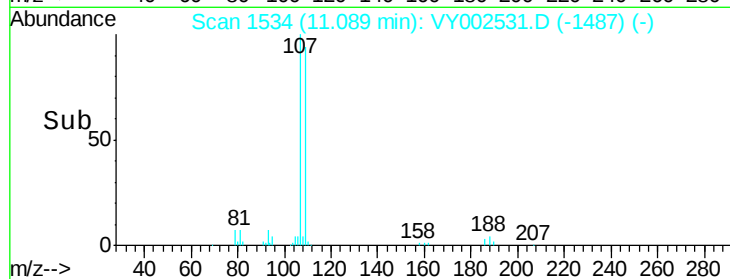
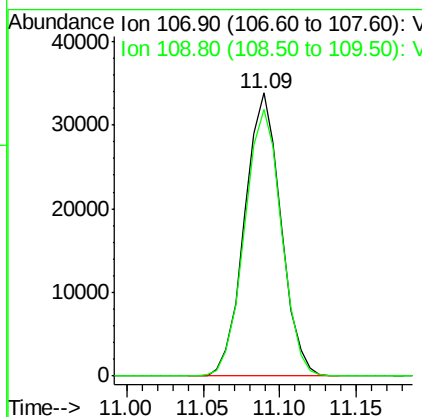
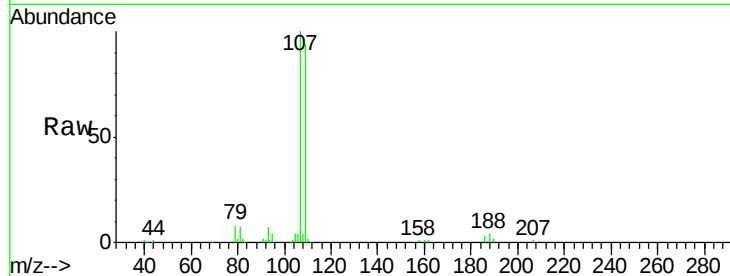
#61
 1,2-Dibromoethane
 Concen: 20.611 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.8	113.8

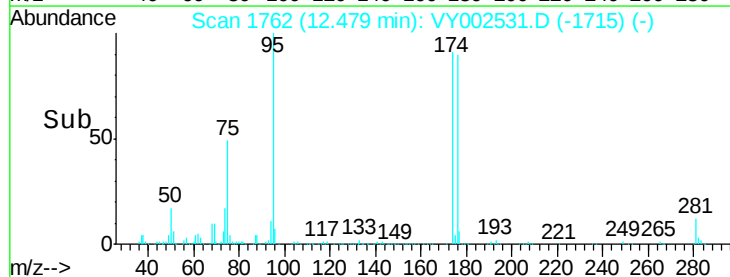
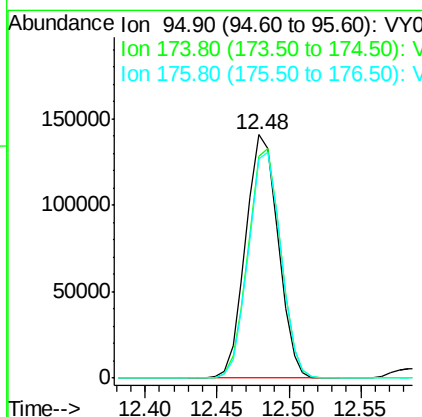
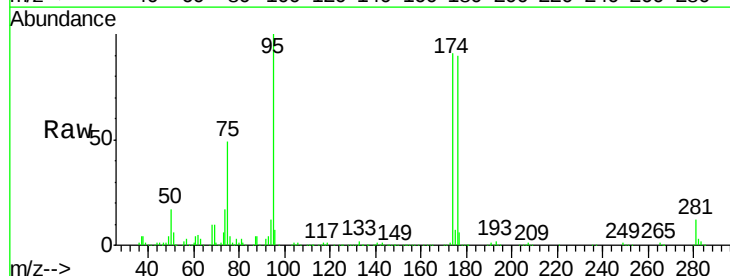
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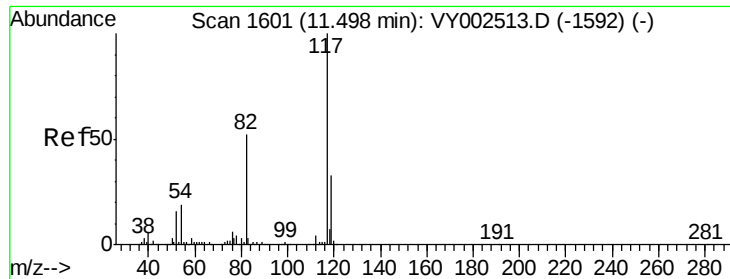
MMDadoda
 5/5/2020 11:29:03 AM



#62
 4-Bromofluorobenzene
 Concen: 52.102 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	188.8
176	92.2	0.0	183.2





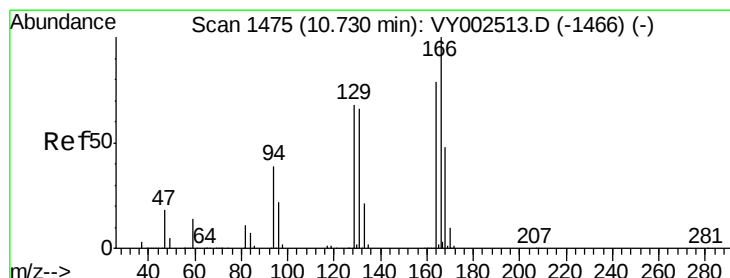
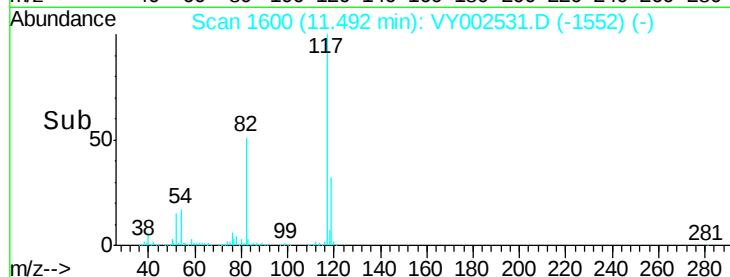
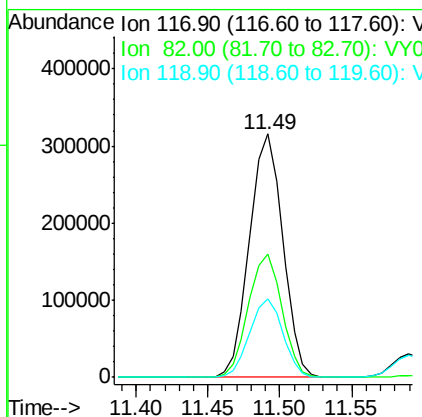
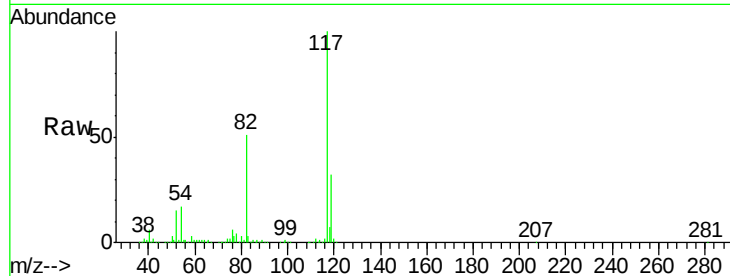
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	506250		
82	50.8		41.3	61.9
119	32.1		26.0	39.0

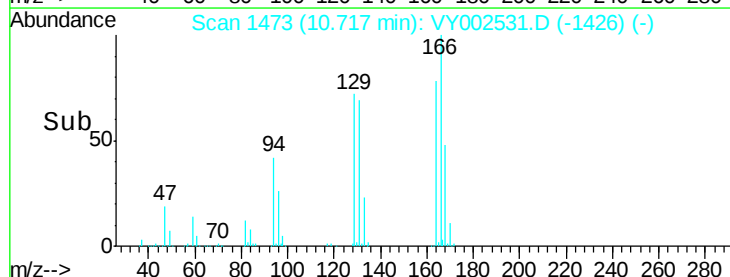
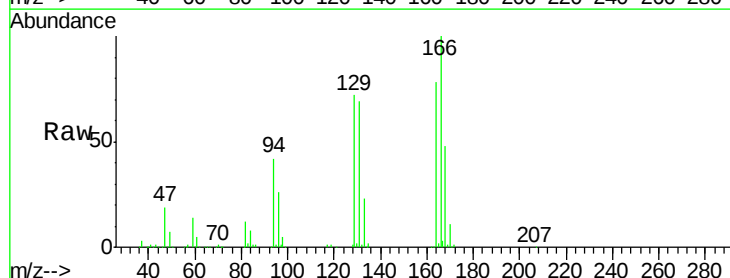
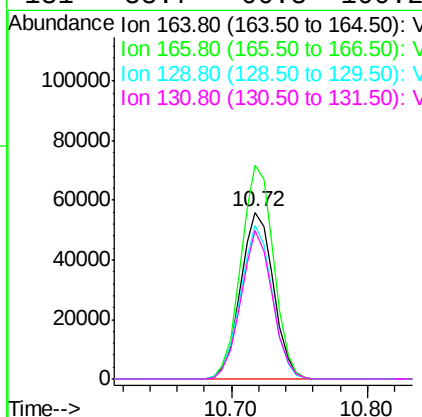
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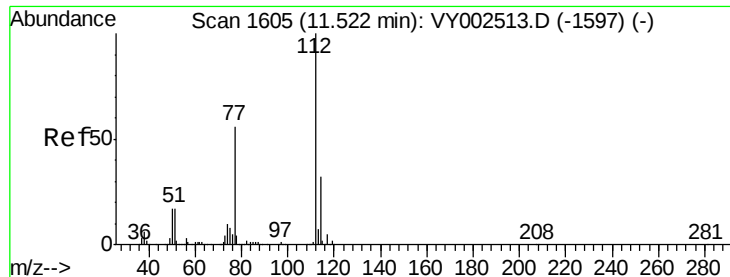
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#64
Tetrachloroethene
Concen: 20.995 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94435		
166	128.0		100.7	151.1
129	92.3		68.3	102.5
131	88.7		66.8	100.2





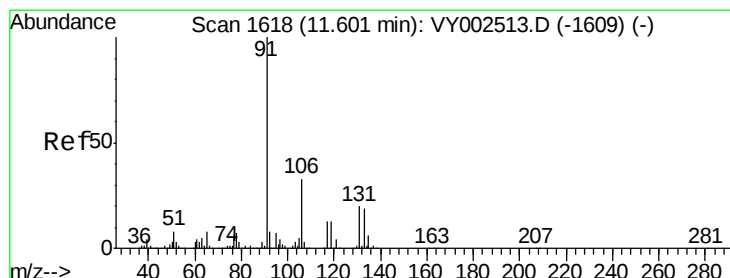
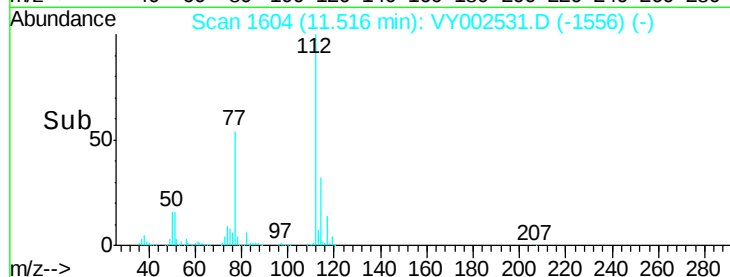
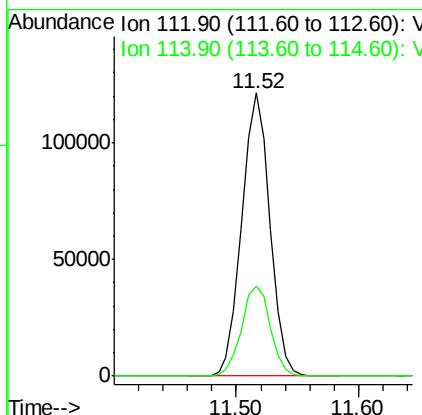
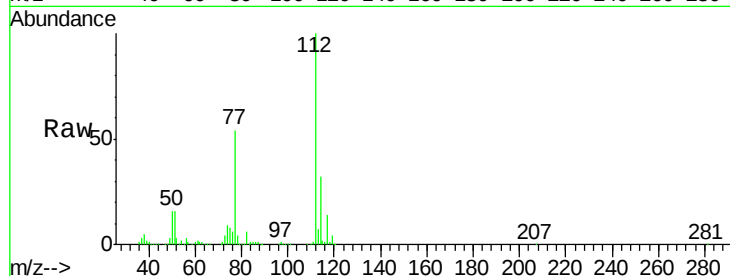
#65
Chlorobenzene
Concen: 20.038 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	192845		
114	31.8	25.8	38.6	

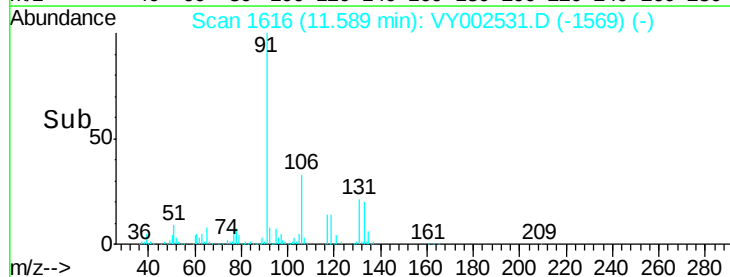
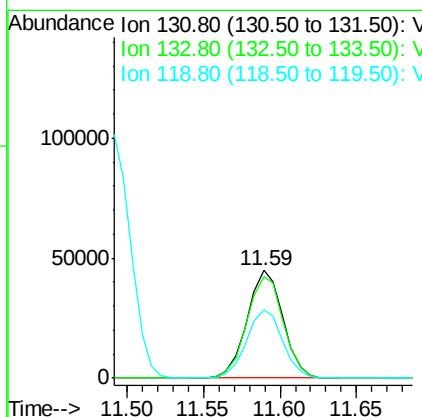
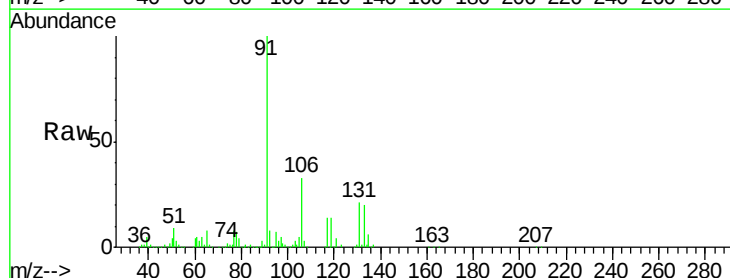
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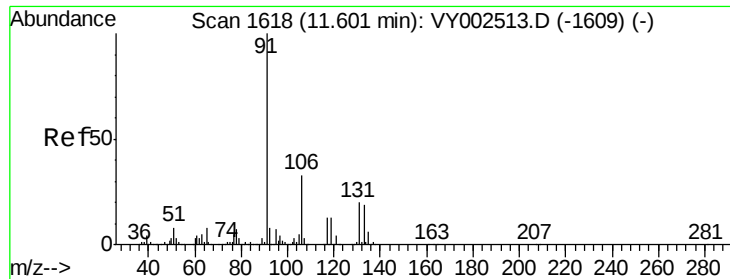
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.363 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	72744		
133	96.6	48.1	144.4	
119	63.8	31.6	95.0	





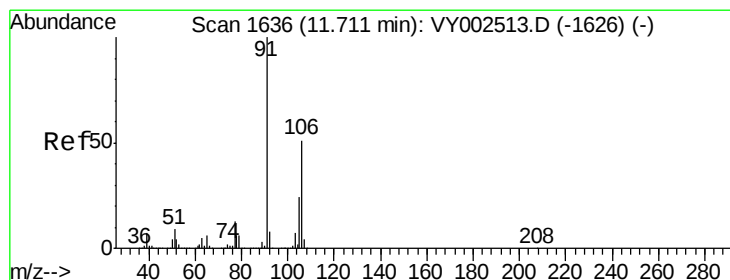
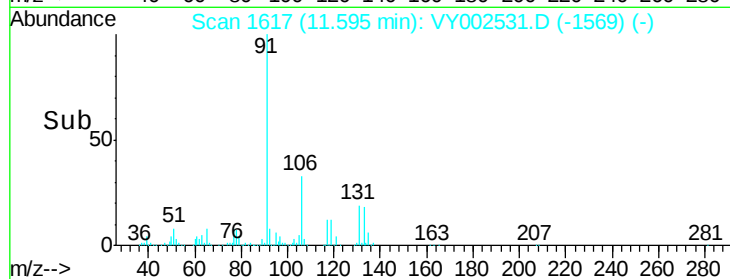
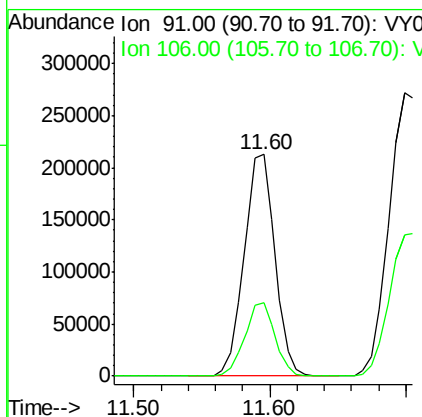
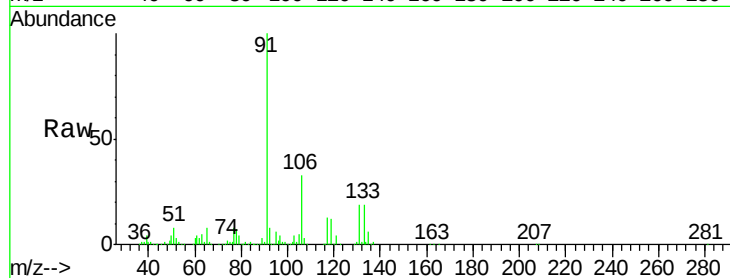
#67
Ethyl Benzene
Concen: 19.884 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS01

Tot Ion: 91 Resp: 336135
Ion Ratio Lower Upper
91 100
106 32.9 26.1 39.1

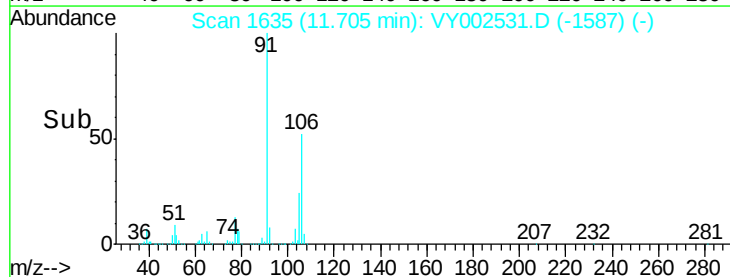
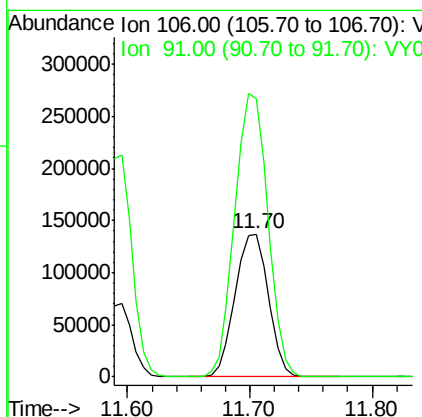
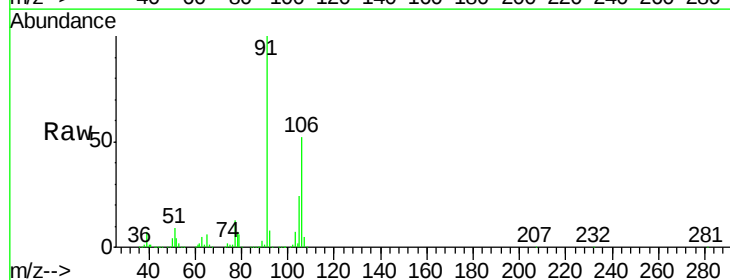
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#68
m/p-Xylenes
Concen: 39.690 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion: 106 Resp: 259608
Ion Ratio Lower Upper
106 100
91 196.6 155.2 232.8





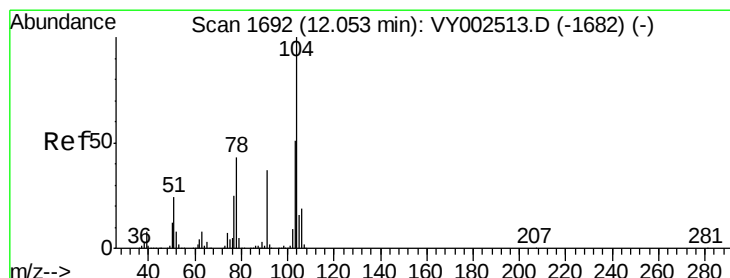
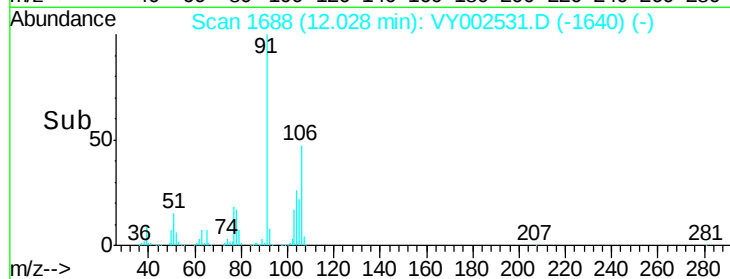
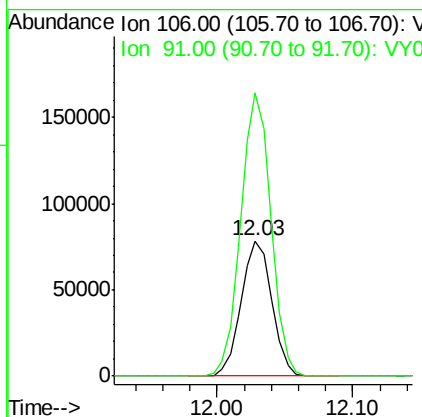
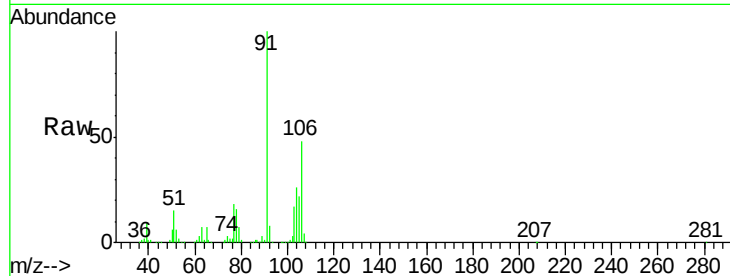
#69
o-Xylene
Concen: 20.161 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampled :
VY0504SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	123476		
91	91	206.0	103.8	311.3	

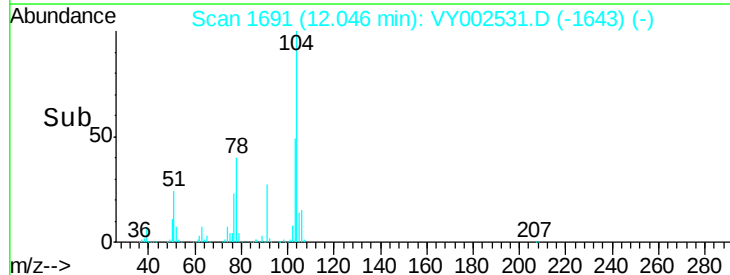
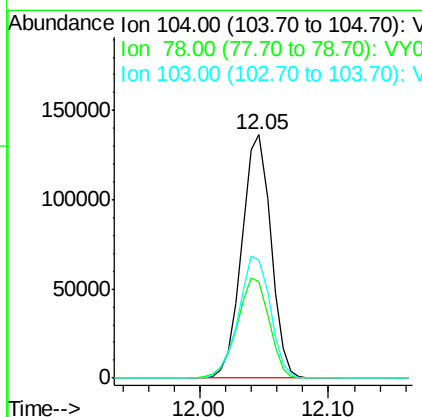
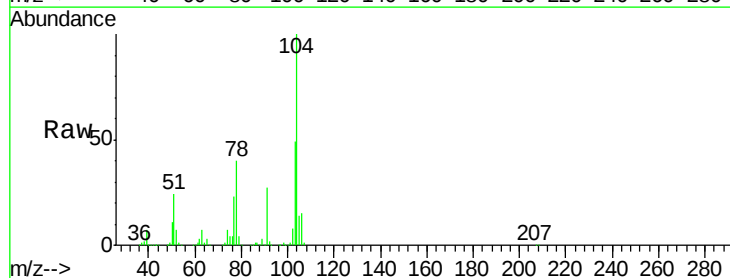
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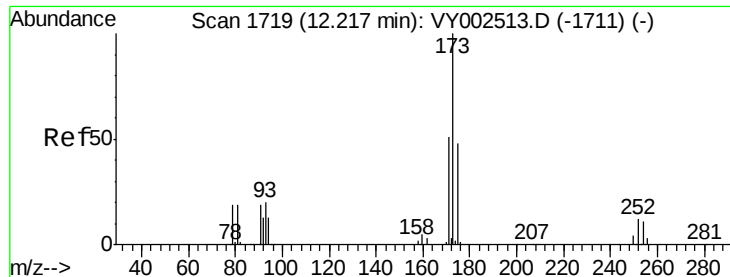
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#70
Styrene
Concen: 20.367 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	213236		
78	78	45.3	37.4	56.0	
103	103	54.7	43.9	65.9	





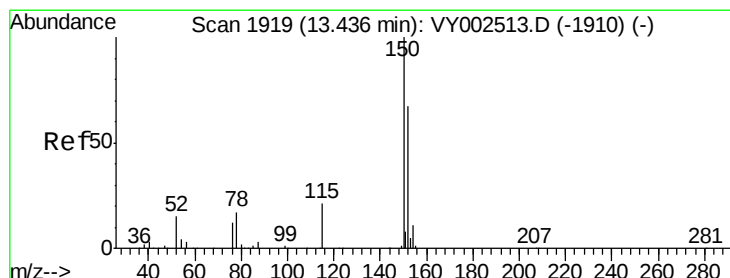
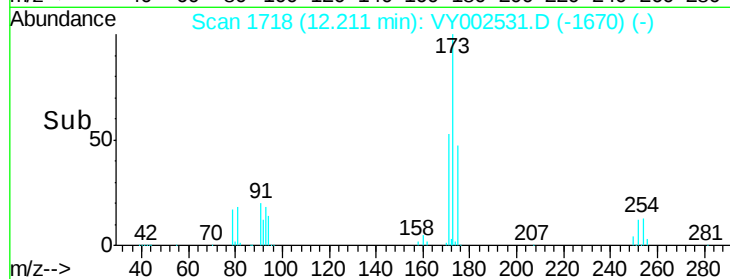
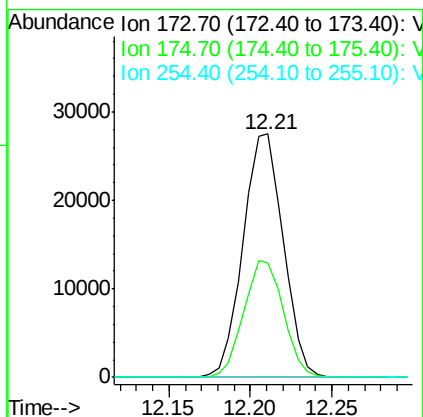
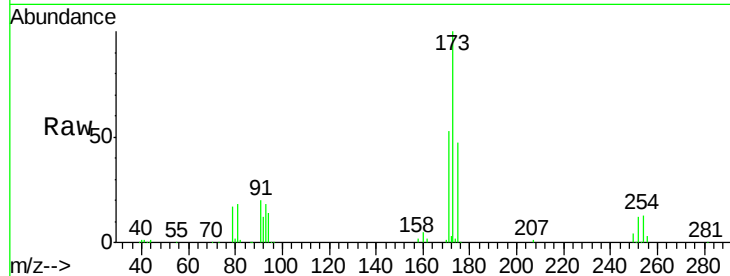
#71
Bromoform
Concen: 21.284 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.3	72.8
254	0.0	0.2	0.2

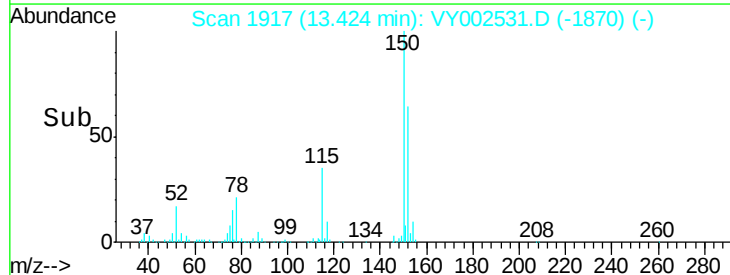
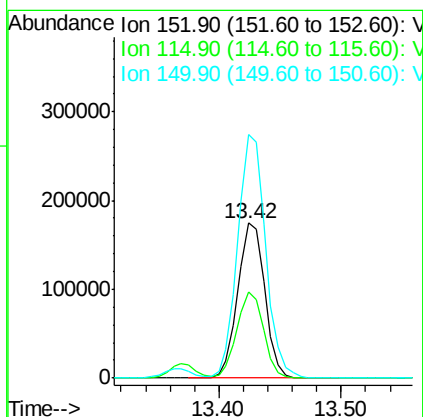
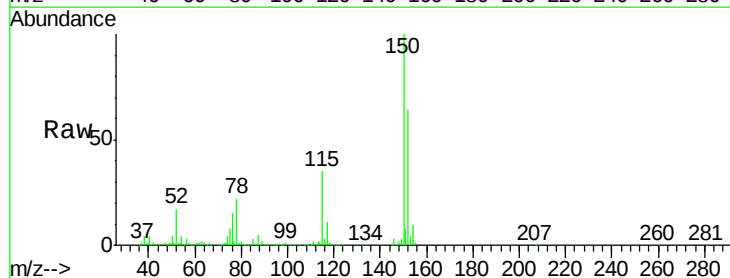
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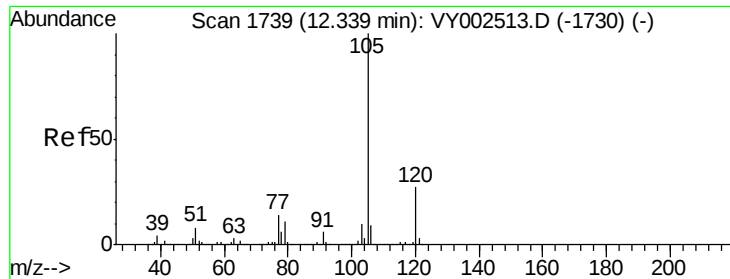
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.5	82.4
150	162.5	0.0	346.4





#73

Isopropylbenzene

Concen: 19.712 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS01

Tot Ion: 105 Resp: 340224

Ion Ratio Lower Upper

105 100

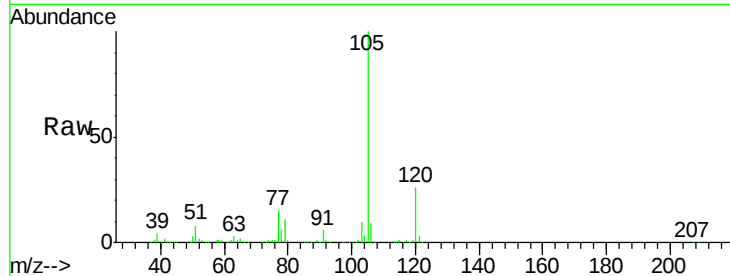
120 27.2 13.8 41.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

200000

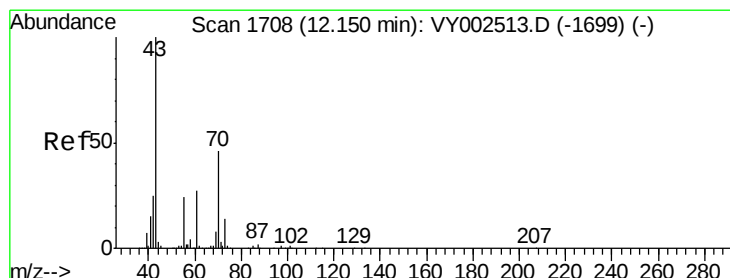
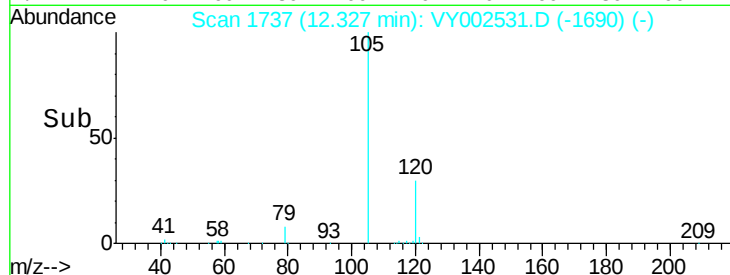
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.029 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Tgt Ion: 43 Resp: 87313

Ion Ratio Lower Upper

43 100

70 46.3 36.7 55.1

55 24.5 19.2 28.8

61 26.0 21.1 31.7

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

80000

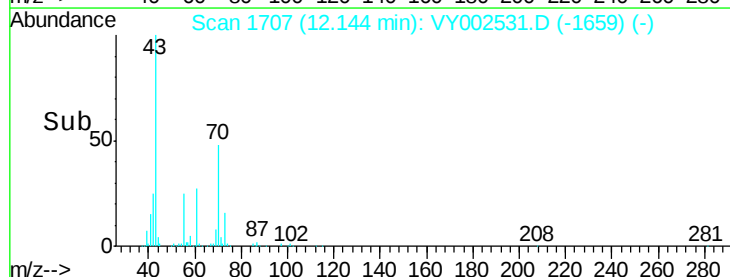
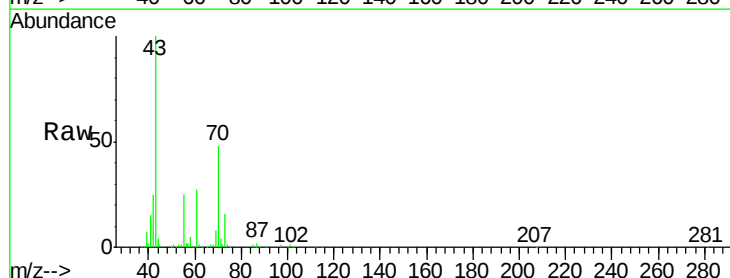
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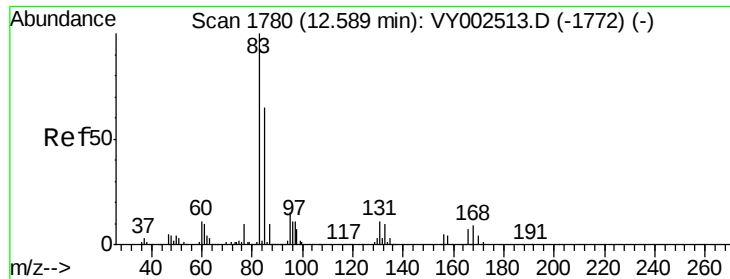
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.839 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

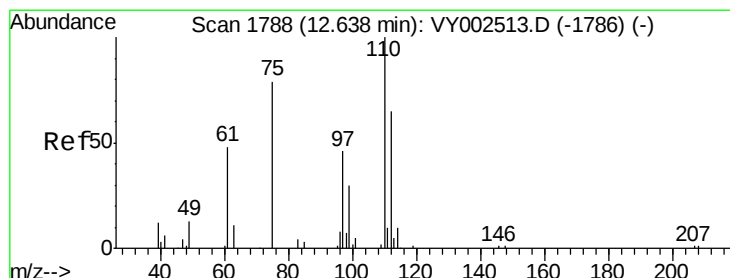
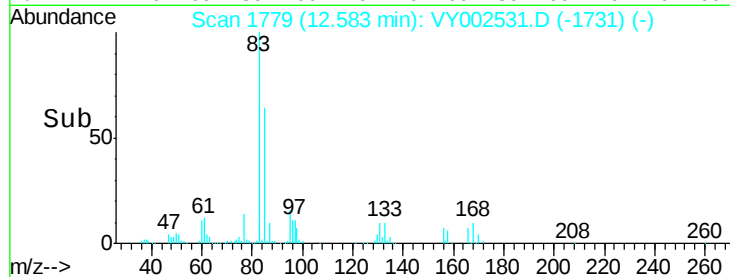
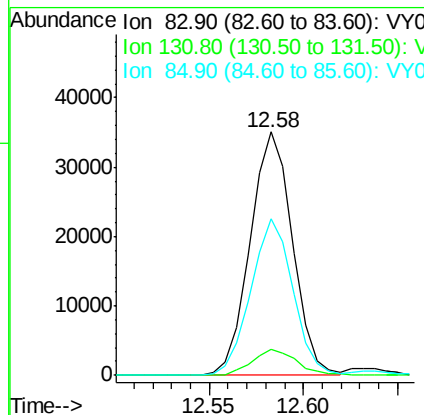
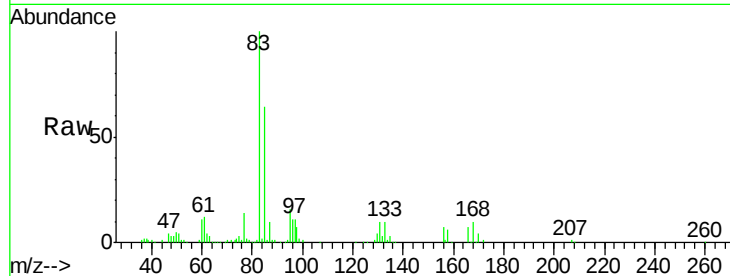
ClientSampleId :

VY0504SBS01

Tot Ion:	83	Resp:	54458
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.9	17.8
85	64.0	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 20.306 ug/l m

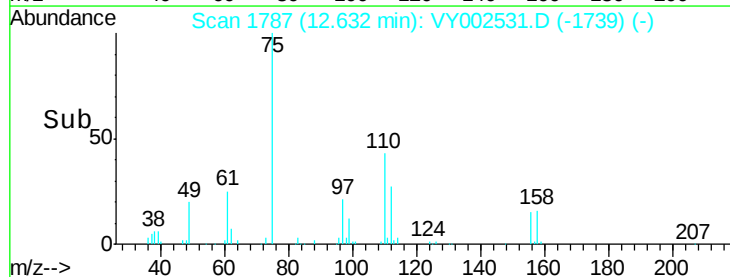
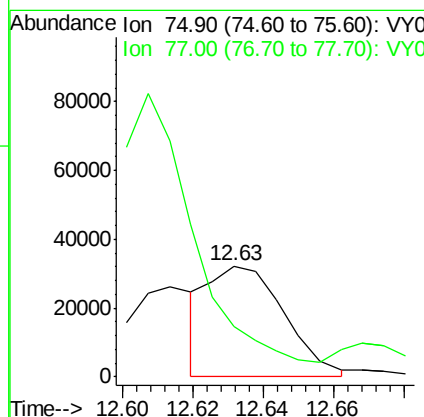
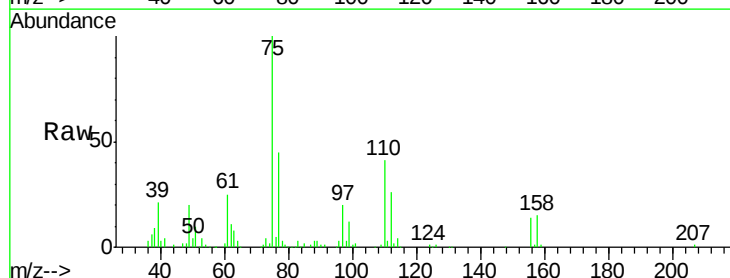
RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Tgt Ion:	75	Resp:	48058
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.875 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

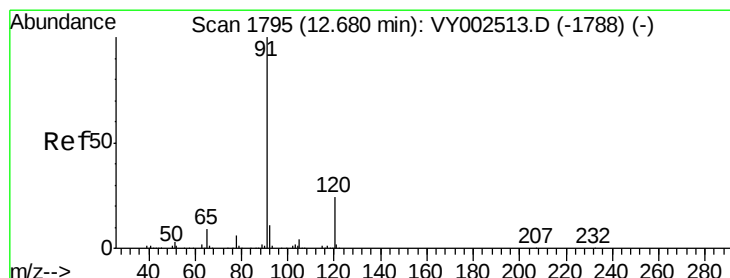
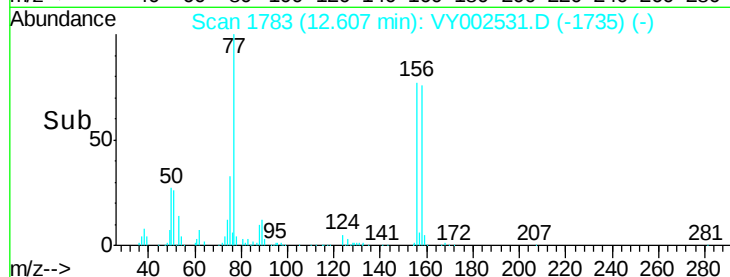
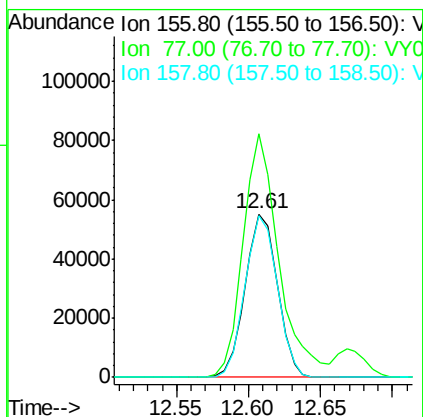
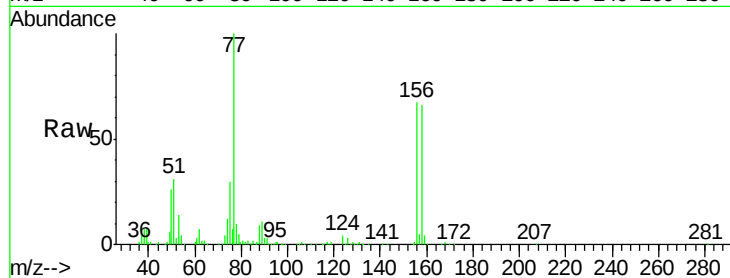
ClientSampleId :

VY0504SBS01

Tot Ion:	156	Resp:	85708
Ion Ratio	Lower	Upper	
156	100		
77	166.3	82.0	245.8
158	98.9	48.5	145.6

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#78

n-propylbenzene

Concen: 19.679 ug/l

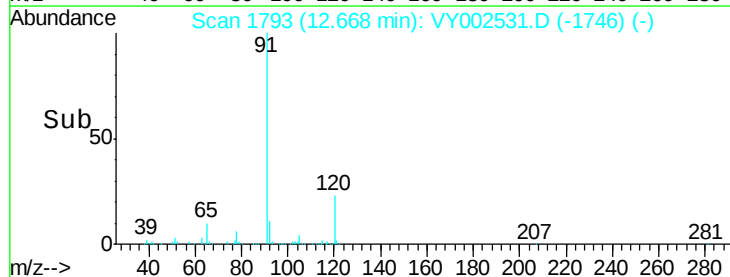
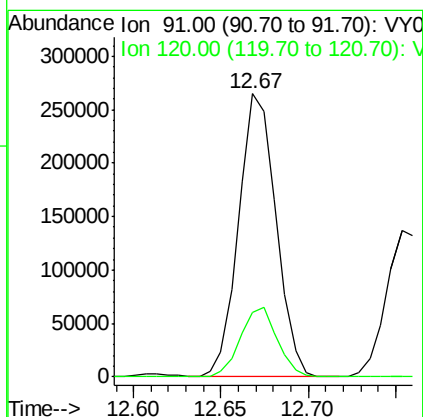
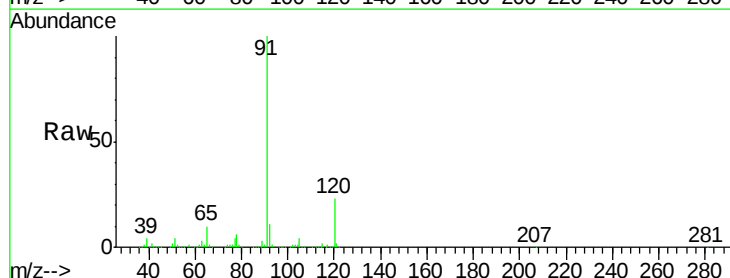
RT: 12.67 min Scan# 1793

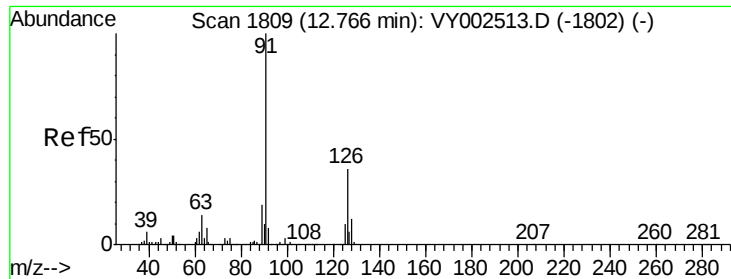
Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Tgt Ion:	91	Resp:	394180
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.2	36.4





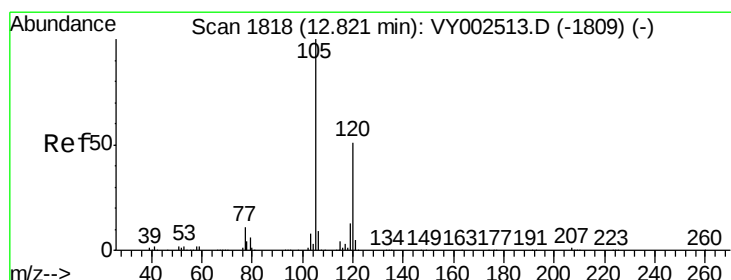
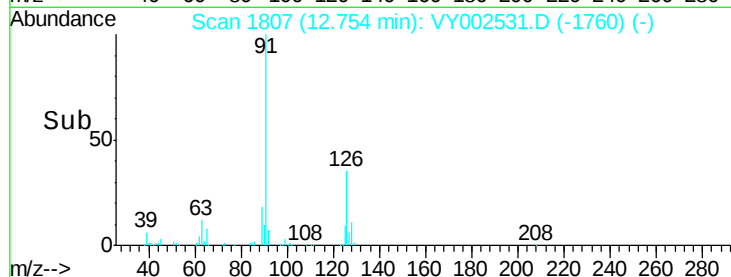
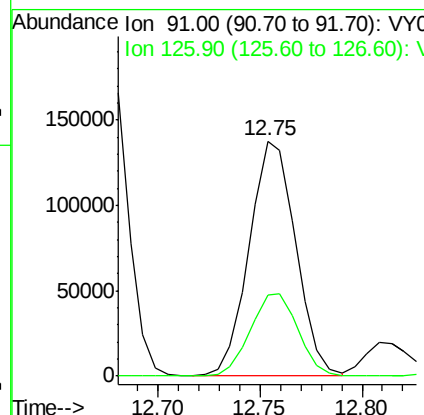
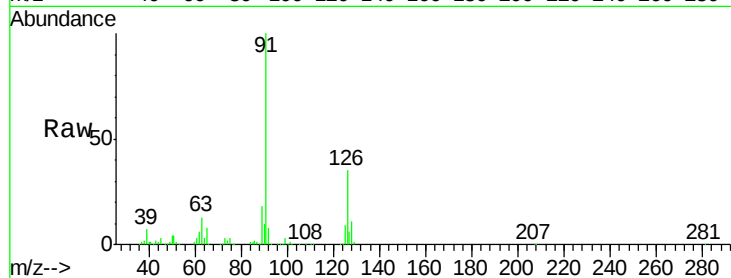
#79
2-Chlorotoluene
Concen: 19.663 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.4	55.2

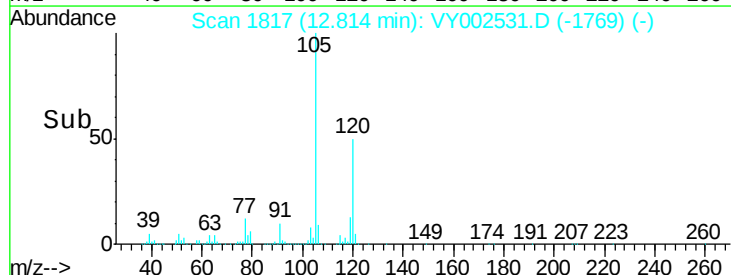
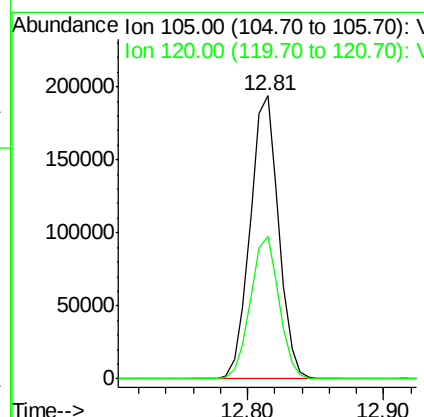
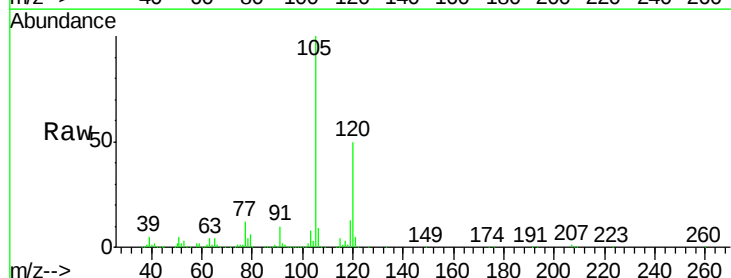
Manual Integrations
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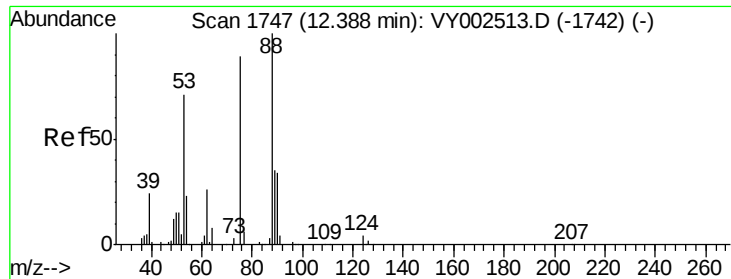
MMDadoda
5/5/2020 11:29:03 AM



#80
1,3,5-Trimethylbenzene
Concen: 19.866 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.3	75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 20.657 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

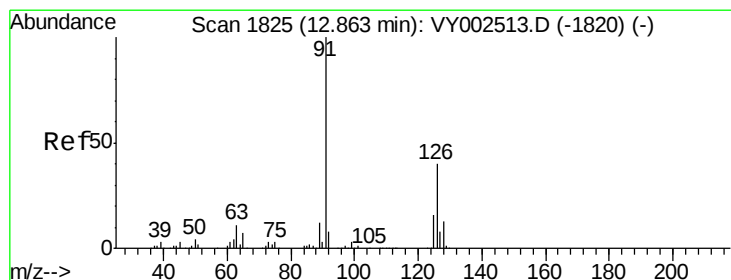
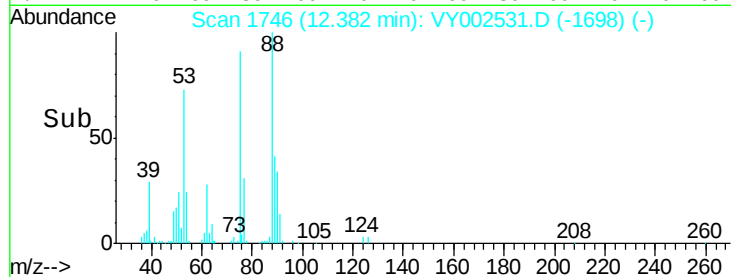
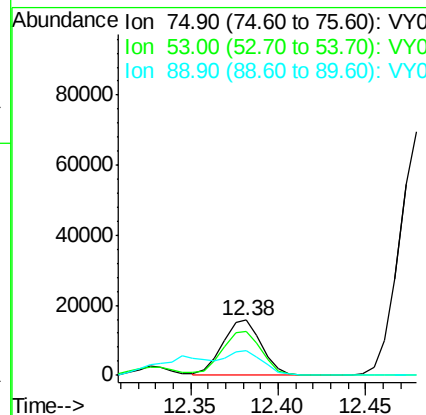
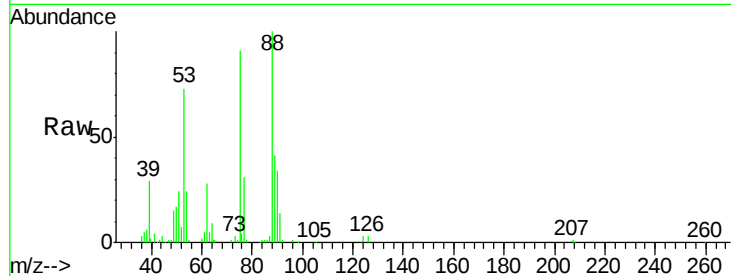
ClientSampleId :

VY0504SBS01

Tot Ion:	75	Resp:	24381
Ion	Ratio	Lower	Upper
75	100		
53	83.0	67.4	101.0
89	42.9	37.4	56.0

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#82

4-Chlorotoluene

Concen: 19.658 ug/l

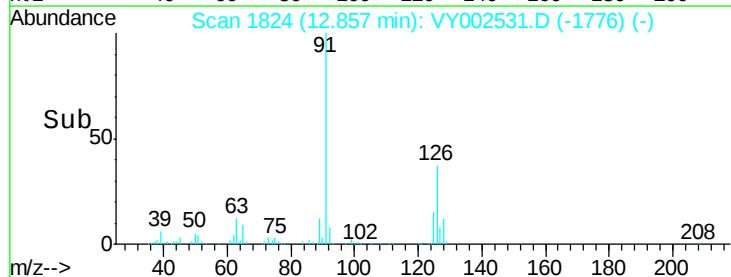
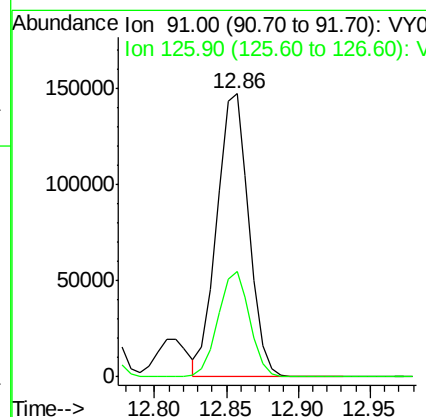
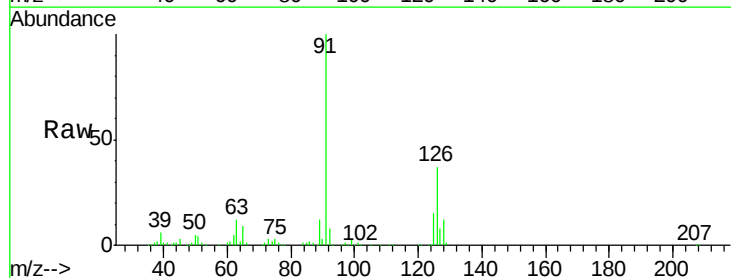
RT: 12.86 min Scan# 1824

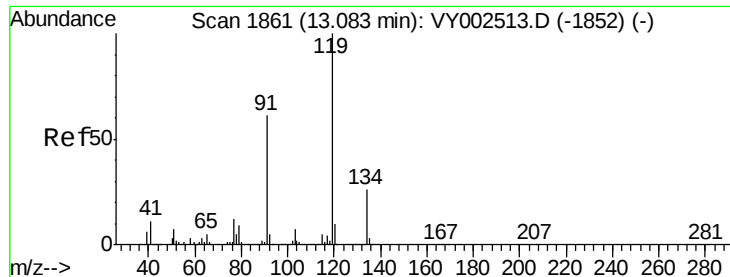
Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Tgt Ion:	91	Resp:	229112
Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.5	55.5





#83

tert-Butylbenzene

Concen: 20.082 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

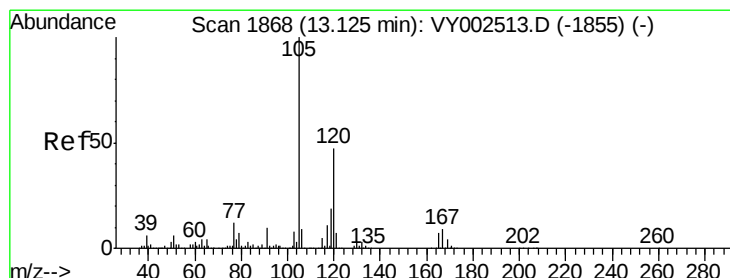
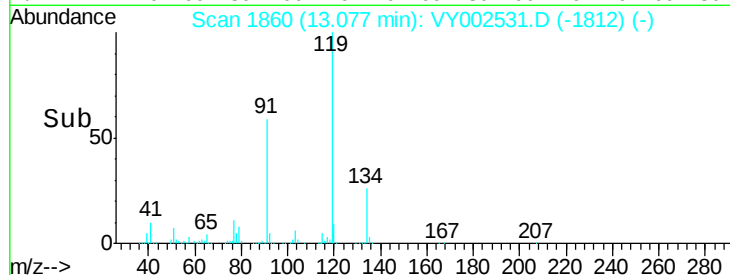
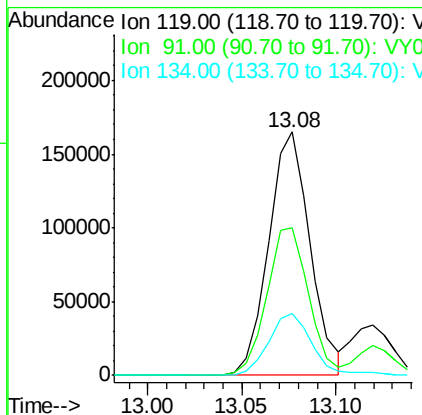
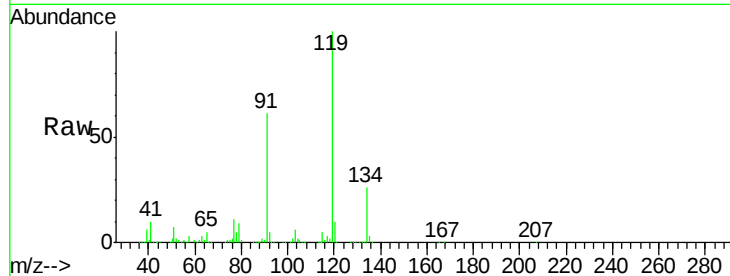
ClientSampleId :

VY0504SBSD01

Tot Ion:	119	Resp:	251929
Ion Ratio	Lower	Upper	
119	100		
91	61.0	30.6	91.6
134	26.6	13.5	40.4

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#84

1,2,4-Trimethylbenzene

Concen: 19.943 ug/l

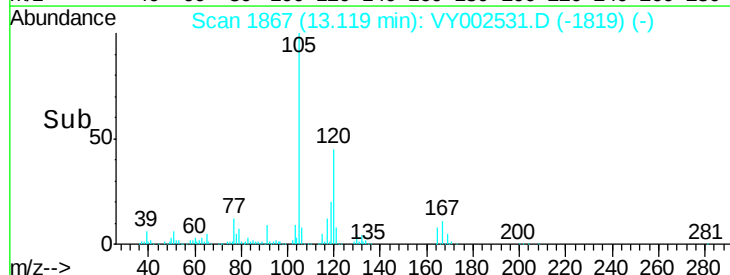
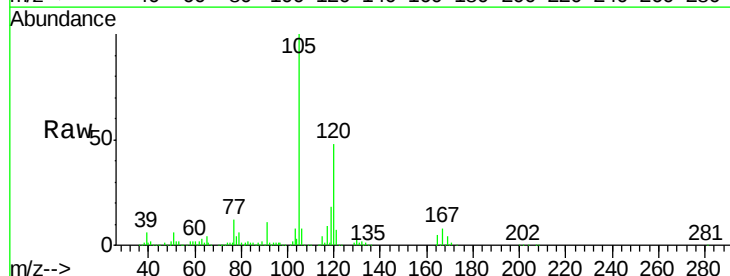
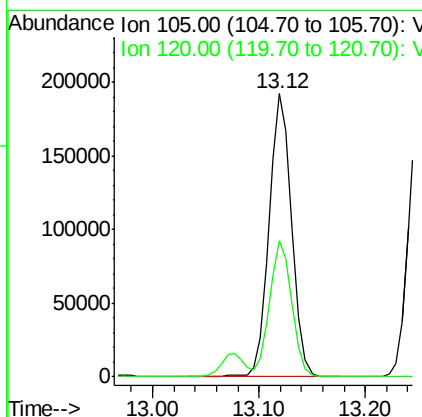
RT: 13.12 min Scan# 1867

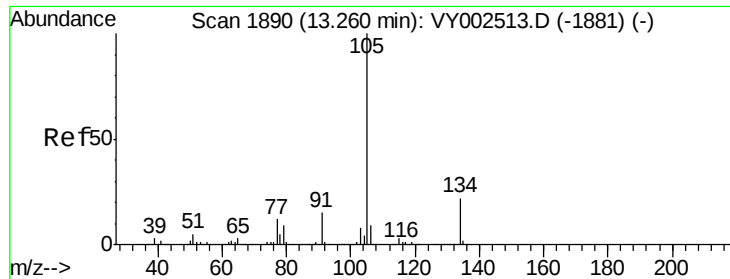
Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Tgt Ion:	105	Resp:	284357
Ion Ratio	Lower	Upper	
105	100		
120	47.2	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.000 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS01

Tot Ion:105 Resp: 348157

Ion Ratio Lower Upper

105 100

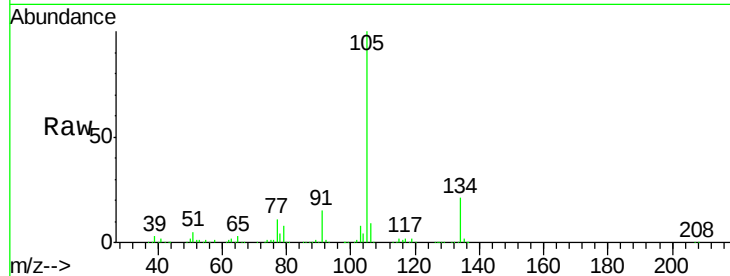
134 21.2 10.8 32.3

Manual Integrations

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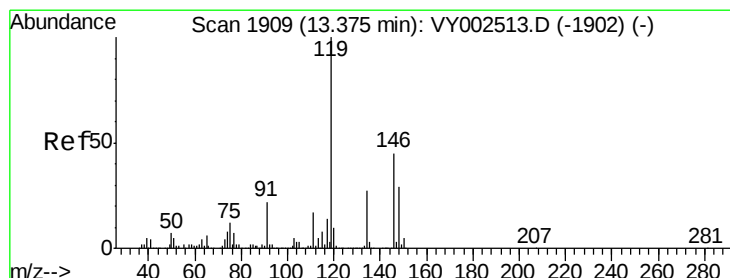
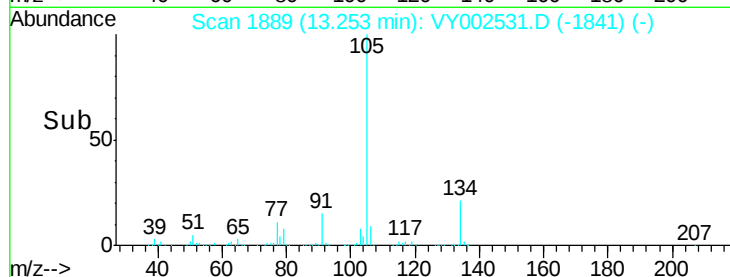
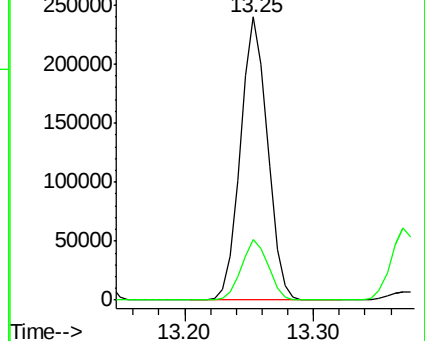
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.829 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY002531.D

Acq: 04 May 2020 11:35

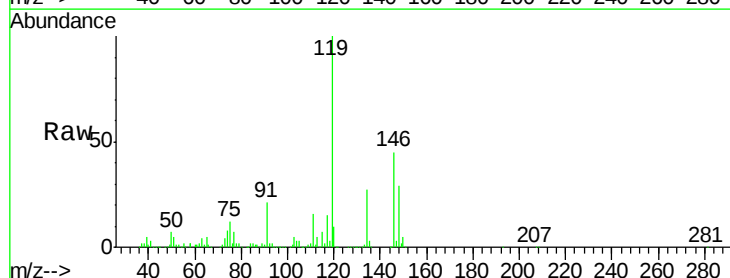
Tgt Ion:119 Resp: 323420

Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.5

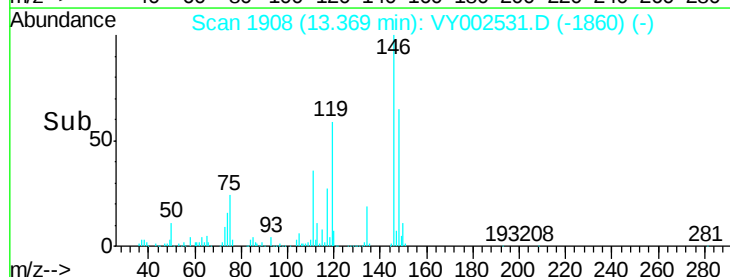
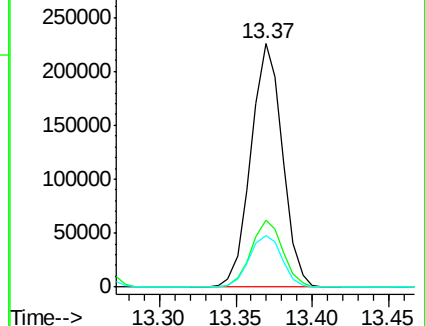
91 22.1 10.9 32.9



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





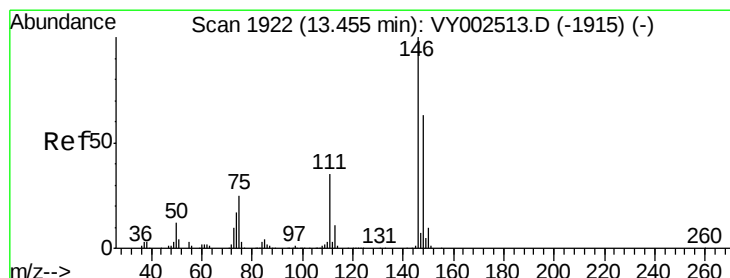
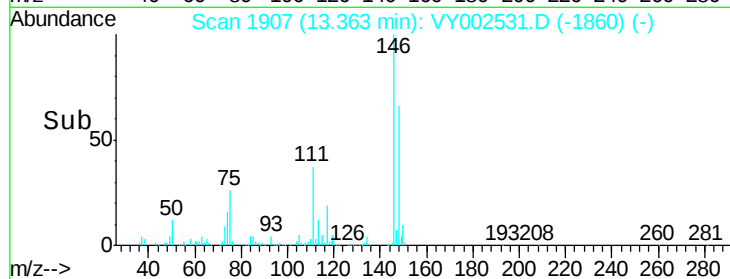
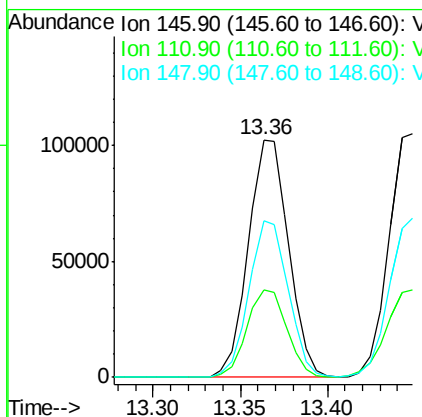
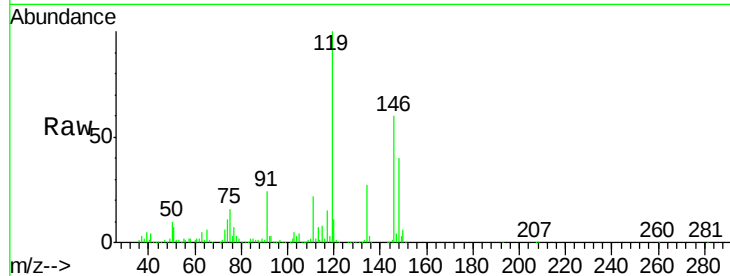
#87
 1,3-Dichlorobenzene
 Concen: 20.077 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	163865		
111	36.7	18.8	56.3	
148	64.4	32.1	96.3	

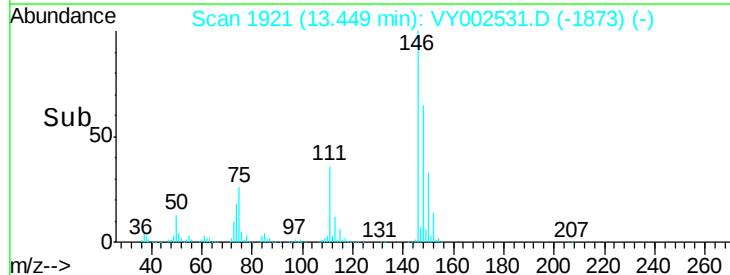
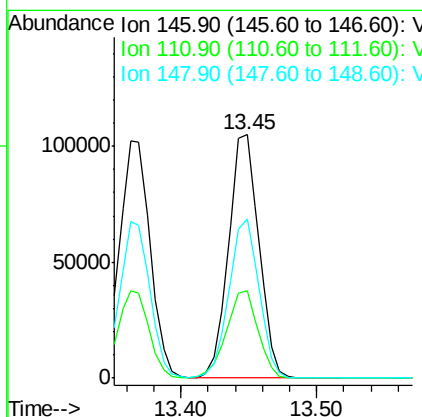
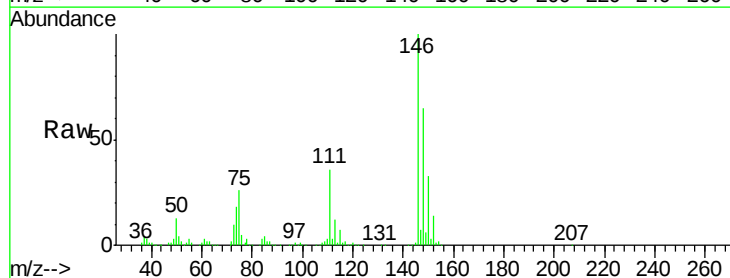
Manual Integrations
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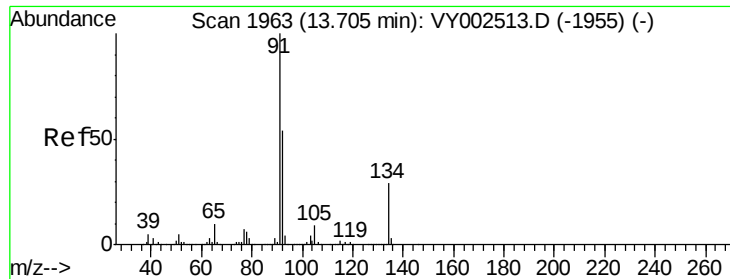
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.131 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	162691		
111	37.7	18.1	54.1	
148	65.2	31.9	95.5	





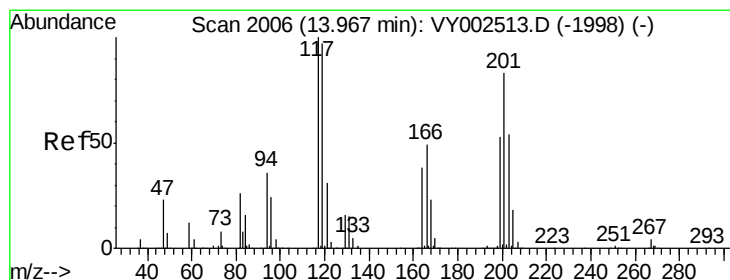
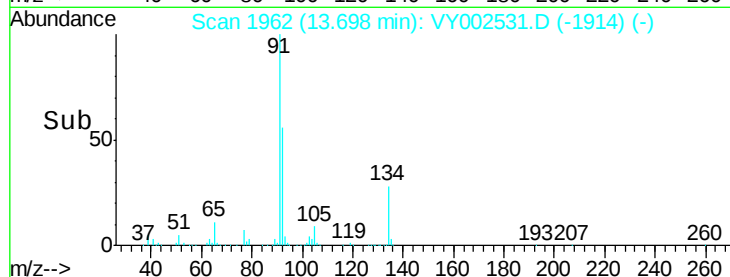
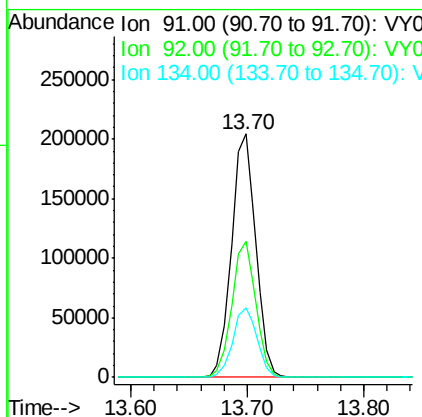
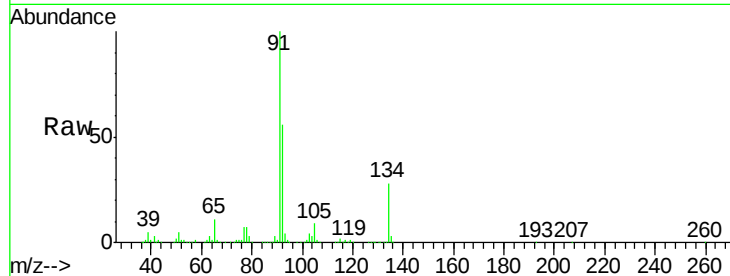
#89
n-Butylbenzene
Concen: 19.959 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	296361		
92	54.8	27.1	81.3	
134	28.8	14.4	43.0	

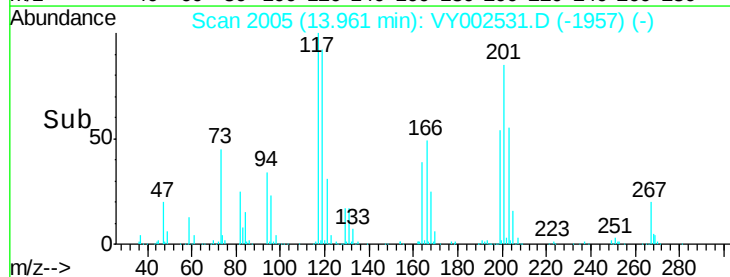
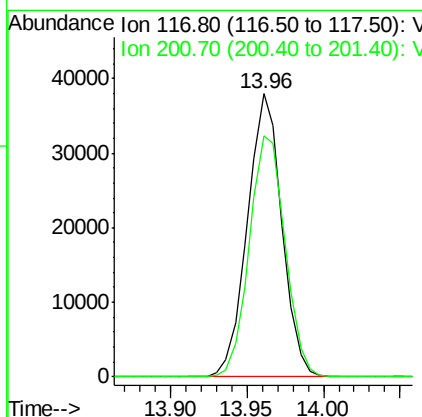
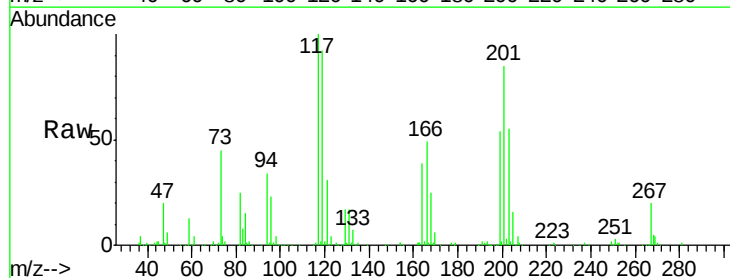
Manual Integrations
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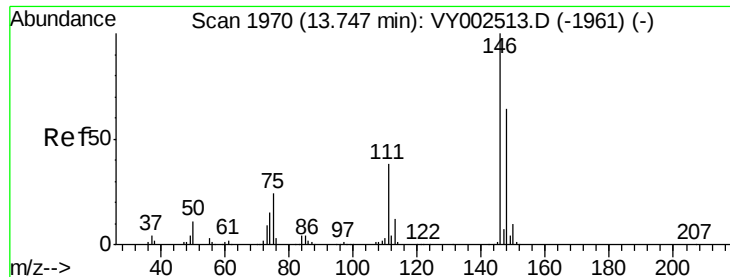
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#90
Hexachloroethane
Concen: 19.984 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	59360		
201	88.2	44.4	133.2	





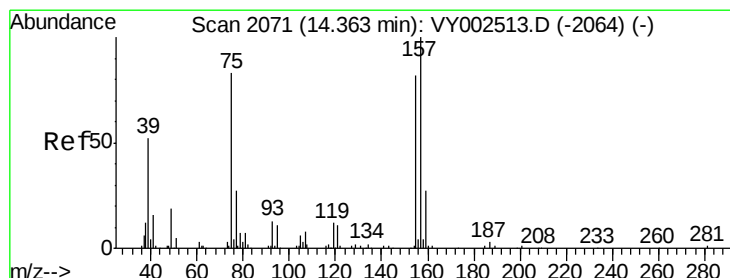
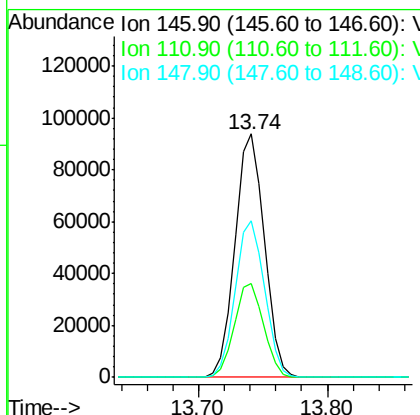
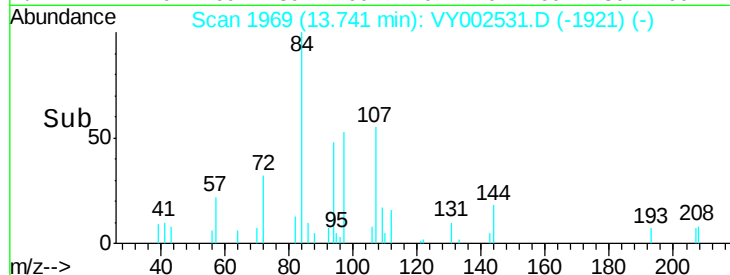
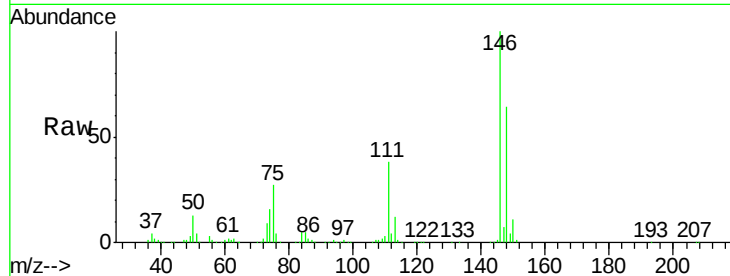
#91
 1,2-Dichlorobenzene
 Concen: 20.346 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	64.4	31.9	95.7

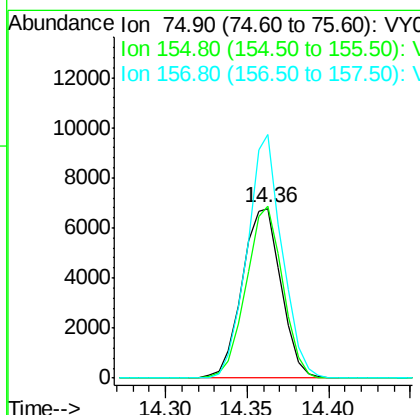
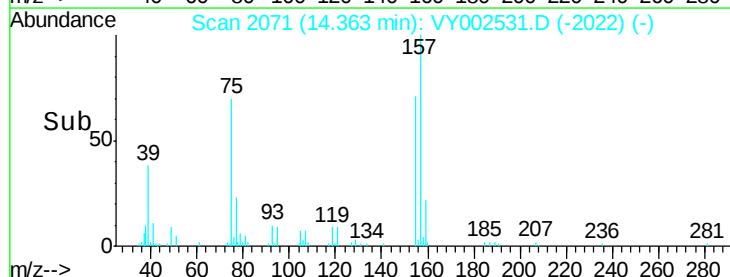
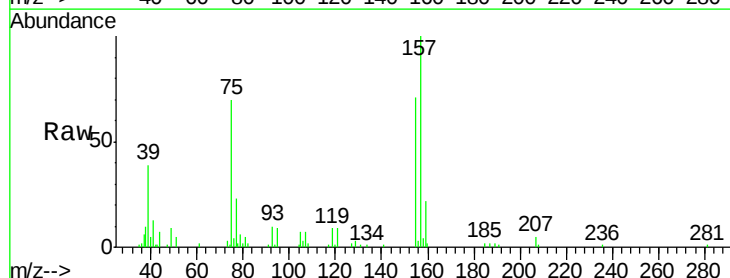
Manual Integrations
 APPROVED

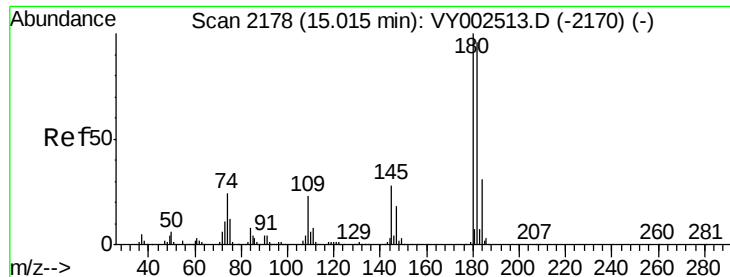
MMDadoda
 5/5/2020 11:29:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.896 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002531.D
 Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	51.3	153.9
157	129.6	65.0	195.0





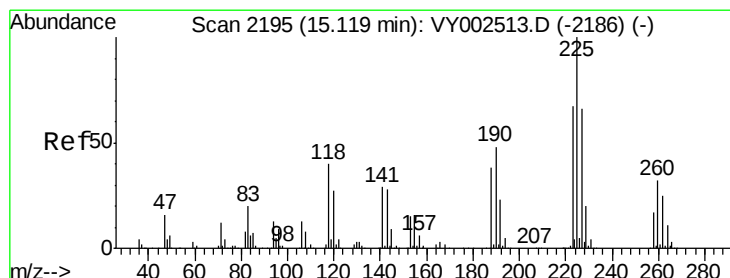
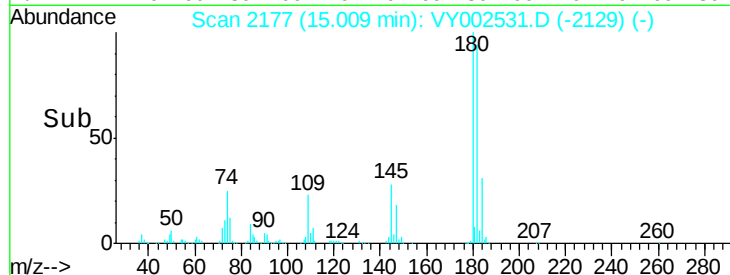
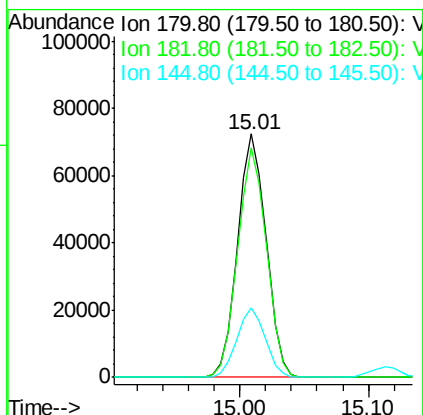
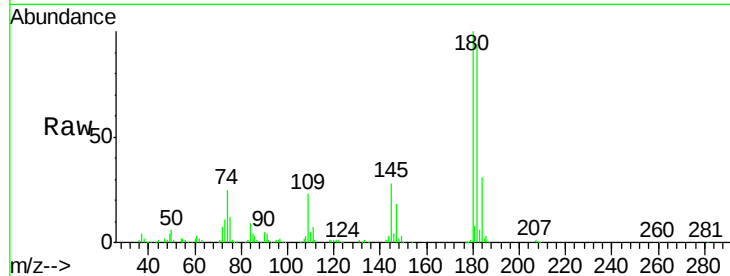
#93
1,2,4-Trichlorobenzene
Concen: 21.064 ug/l
RT: 15.01 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111370		
182	94.8	47.9	143.6	
145	28.4	14.4	43.0	

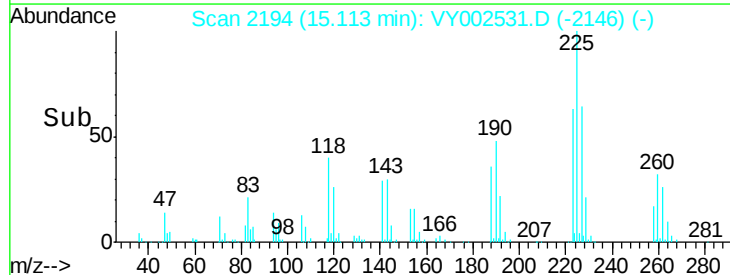
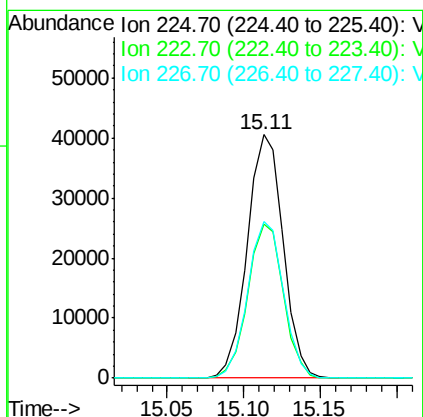
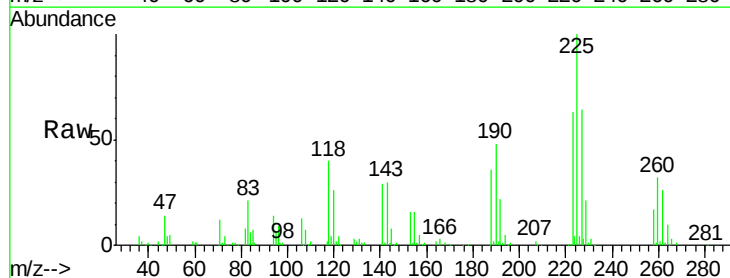
Manual Integrations
APPROVED

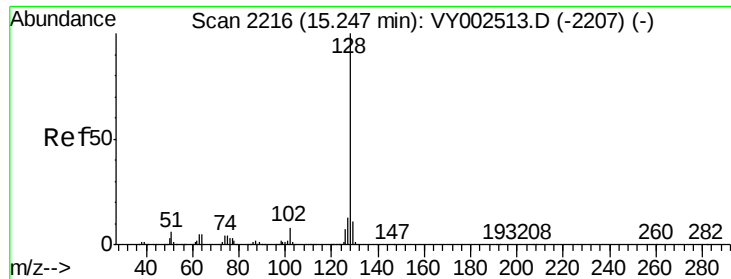
MMDadoda
5/5/2020 11:29:03 AM



#94
Hexachlorobutadiene
Concen: 20.827 ug/l
RT: 15.11 min Scan# 2194
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66100		
223	62.5	32.1	96.5	
227	63.8	32.0	96.2	





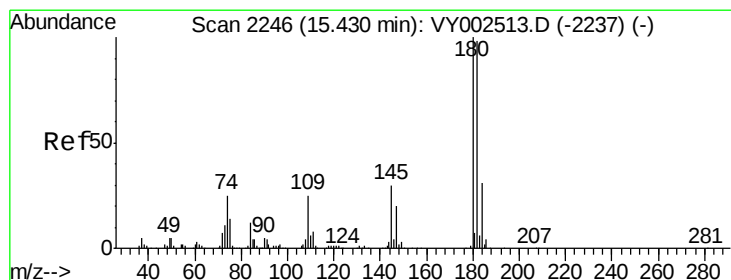
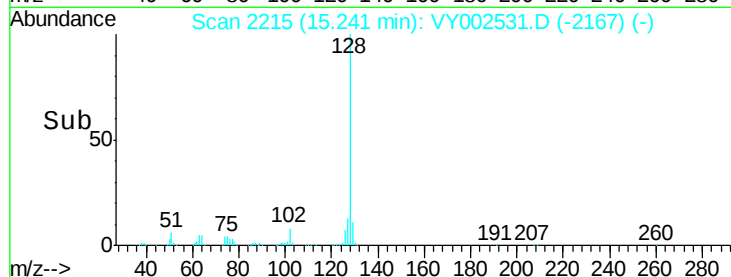
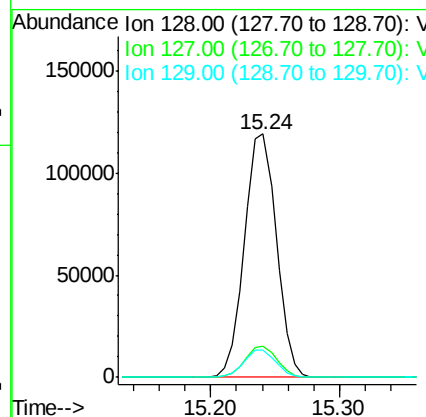
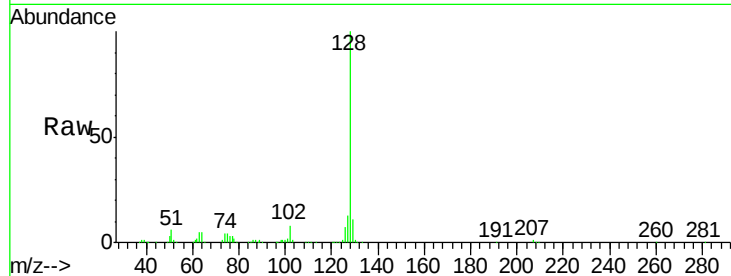
#95
Naphthalene
Concen: 21.222 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	204699		
127	13.0		10.5	15.7
129	11.2		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:29:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.489 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.01 min
Lab File: VY002531.D
Acq: 04 May 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96455		
182	94.4		47.9	143.8
145	30.4		15.0	45.1

