

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\
 Data File : VY002577.D
 Acq On : 05 May 2020 11:23
 Operator : SY/MD
 Sample : VY0505SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 10:26:45 AM

Quant Time: May 06 06:28:53 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	405096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	596100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	535511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	275725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	171454	50.34	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	7.73	113	178627	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.19	98	704140	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.49	95	237527	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.91	85	49055	15.917	ug/l	97
3) Chloromethane	2.12	50	58831	17.925	ug/l	98
4) Vinyl Chloride	2.26	62	69984	18.467	ug/l	100
5) Bromomethane	2.64	94	46773	17.897	ug/l	98
6) Chloroethane	2.79	64	41150	18.185	ug/l	98
7) Trichlorofluoromethane	3.13	101	106724	18.170	ug/l	99
8) Diethyl Ether	3.54	74	38391	19.450	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	68754	19.153	ug/l	99
10) Methyl Iodide	4.10	142	86110	17.607	ug/l	99
11) Tert butyl alcohol	4.97	59	31256	89.193	ug/l	97
12) 1,1-Dichloroethene	3.88	96	65358	18.742	ug/l	98
13) Acrolein	3.74	56	19751	81.506	ug/l	97
14) Allyl chloride	4.49	41	97804	19.249	ug/l	99
15) Acrylonitrile	5.18	53	90478	97.204	ug/l	99
16) Acetone	3.96	43	66694	94.877	ug/l	99
17) Carbon Disulfide	4.20	76	180209	17.177	ug/l	100
18) Methyl Acetate	4.49	43	45916	19.549	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	172283	18.936	ug/l	100
20) Methylene Chloride	4.72	84	78427	19.951	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	72076	18.910	ug/l	91
22) Diisopropyl ether	6.13	45	206422	20.078	ug/l	100
23) Vinyl Acetate	6.07	43	626894	96.959	ug/l	100
24) 1,1-Dichloroethane	6.03	63	118805	19.534	ug/l	99
25) 2-Butanone	7.00	43	107652	93.555	ug/l	97
26) 2,2-Dichloropropane	6.99	77	108173	18.711	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	80990	19.204	ug/l	99
28) Bromochloromethane	7.35	49	52192	20.944	ug/l	100
29) Tetrahydrofuran	7.36	42	73346	96.342	ug/l	100
30) Chloroform	7.52	83	122813	19.420	ug/l	98
31) Cyclohexane	7.79	56	113705	18.573	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	110168	18.743	ug/l	100
36) 1,1-Dichloropropene	7.93	75	95397	19.090	ug/l	99
37) Ethyl Acetate	7.08	43	49741	19.370	ug/l	99
38) Carbon Tetrachloride	7.91	117	103657	19.000	ug/l	98

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MMDadoda
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 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)
39) Methylcyclohexane	9.19	83	122592	18.574	ug/l	97
40) Benzene	8.17	78	279122	19.339	ug/l	100
41) Methacrylonitrile	7.32	41	27820m	20.149	ug/l	
42) 1,2-Dichloroethane	8.25	62	76520	18.901	ug/l	99
43) Isopropyl Acetate	8.28	43	93008	19.320	ug/l	99
44) Trichloroethene	8.95	130	88700	19.665	ug/l	100
45) 1,2-Dichloropropane	9.22	63	68917	19.785	ug/l	98
46) Dibromomethane	9.31	93	38881	19.400	ug/l	99
47) Bromodichloromethane	9.50	83	95095	19.514	ug/l	99
48) Methyl methacrylate	9.30	41	41277	18.946	ug/l	98
49) 1,4-Dioxane	9.30	88	10828	408.055	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	243010	97.933	ug/l	100
52) Toluene	10.25	92	178984	19.296	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	99250	19.438	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	113238	19.184	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	57643	19.723	ug/l	96
56) Ethyl methacrylate	10.52	69	76348	19.637	ug/l	98
57) 1,3-Dichloropropane	10.80	76	96349	19.440	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	206115	100.527	ug/l	98
59) 2-Hexanone	10.84	43	168296	98.542	ug/l	99
60) Dibromochloromethane	10.99	129	70669	19.011	ug/l	99
61) 1,2-Dibromoethane	11.10	107	55549	19.195	ug/l	100
64) Tetrachloroethene	10.72	164	98608	20.725	ug/l	96
65) Chlorobenzene	11.52	112	199454	19.593	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	74686	19.764	ug/l	99
67) Ethyl Benzene	11.60	91	349628	19.552	ug/l	98
68) m/p-Xylenes	11.70	106	267646	38.683	ug/l	99
69) o-Xylene	12.03	106	126042	19.456	ug/l	100
70) Styrene	12.05	104	217423	19.632	ug/l	99
71) Bromoform	12.21	173	45613	19.448	ug/l #	98
73) Isopropylbenzene	12.33	105	353254	19.768	ug/l	99
74) N-amyl acetate	12.15	43	85839	19.969	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	52927	18.624	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	44364m	18.106	ug/l	
77) Bromobenzene	12.61	156	87086	19.506	ug/l	99
78) n-propylbenzene	12.67	91	409239	19.734	ug/l	100
79) 2-Chlorotoluene	12.76	91	224770	19.567	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	288909	19.504	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	23189	18.977	ug/l	96
82) 4-Chlorotoluene	12.86	91	237128	19.652	ug/l	99
83) tert-Butylbenzene	13.08	119	258916	19.935	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	289351	19.601	ug/l	99
85) sec-Butylbenzene	13.26	105	357247	19.822	ug/l	100
86) p-Isopropyltoluene	13.38	119	334699	19.820	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	167329	19.803	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	165372	19.765	ug/l	99
89) n-Butylbenzene	13.70	91	307977	20.034	ug/l	100
90) Hexachloroethane	13.97	117	59972	19.501	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	148960	19.756	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10088	19.043	ug/l	99

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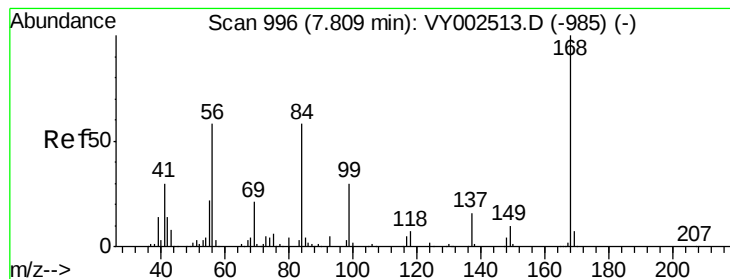
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.01	180	109080	19.927	ug/l	99
94) Hexachlorobutadiene	15.12	225	65752	20.011	ug/l	99
95) Naphthalene	15.24	128	193796	19.407	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	93060	20.026	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion:168 Resp: 405096

Ion Ratio Lower Upper

168 100

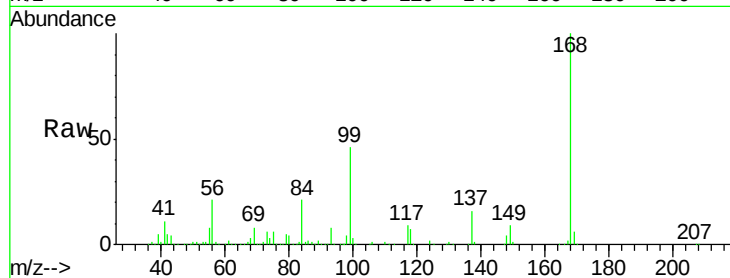
99 46.1 39.2 58.8

Manual Integrations

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5/6/2020 10:26:45 AM



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

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

7.80

150000

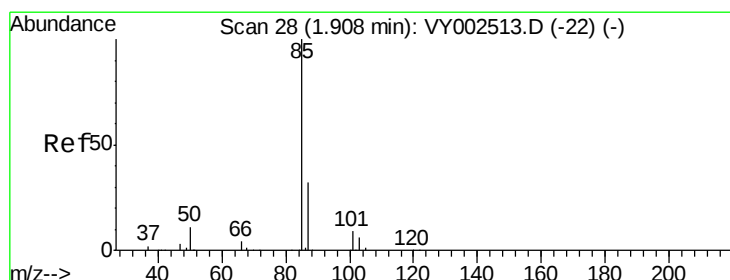
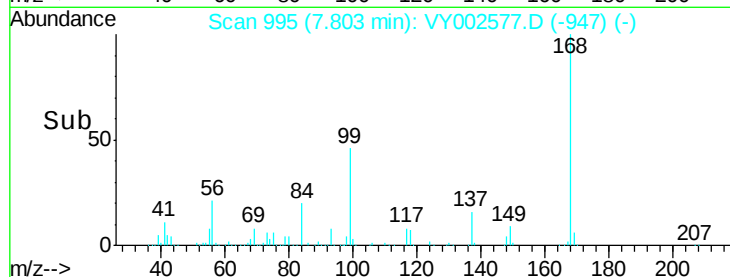
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 15.917 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002577.D

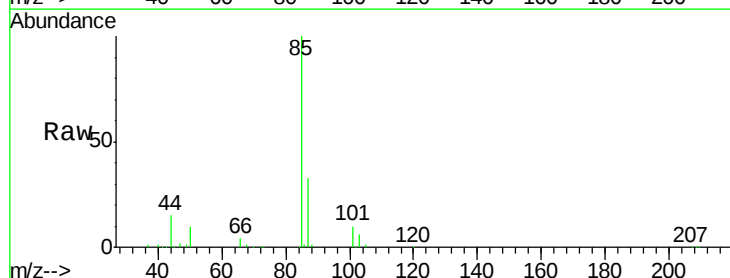
Acq: 05 May 2020 11:23

Tgt Ion: 85 Resp: 49055

Ion Ratio Lower Upper

85 100

87 33.5 15.8 47.4



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

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

1.91

40000

30000

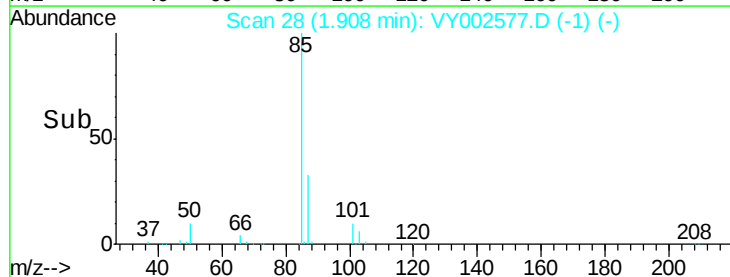
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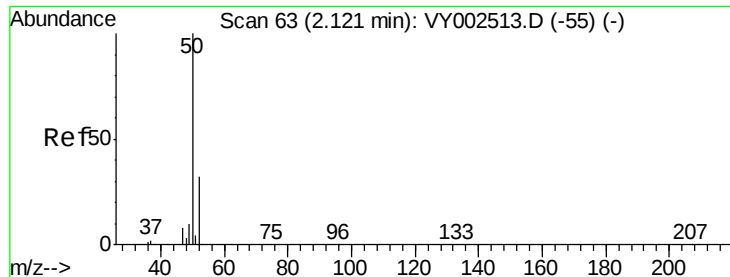
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0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 17.925 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 50 Resp: 58831

Ion Ratio Lower Upper

50 100

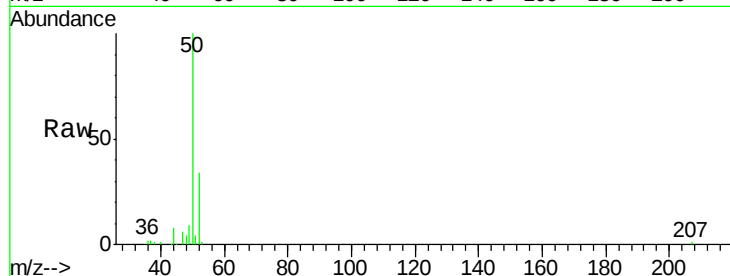
52 33.7 25.9 38.9

Manual Integrations

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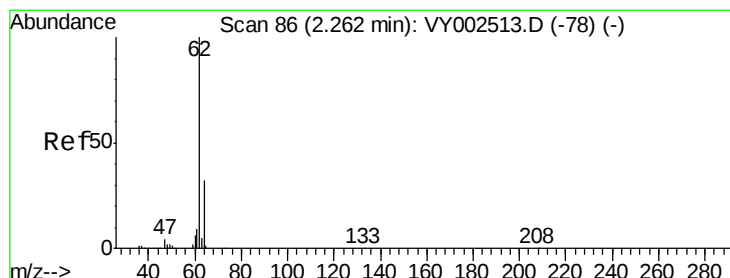
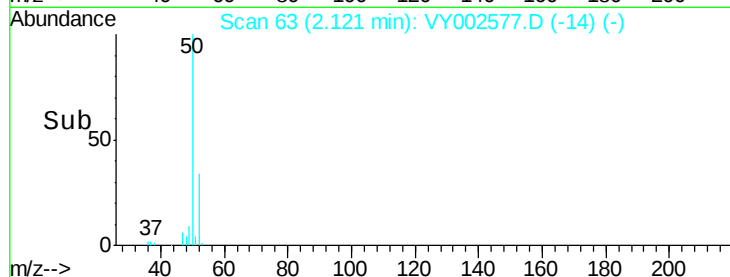
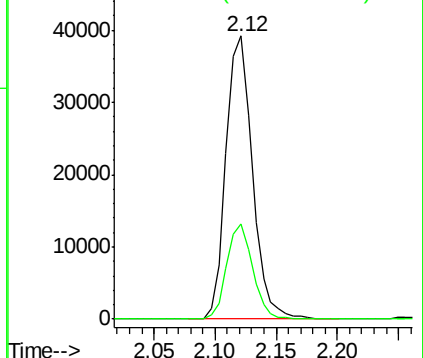
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 18.467 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002577.D

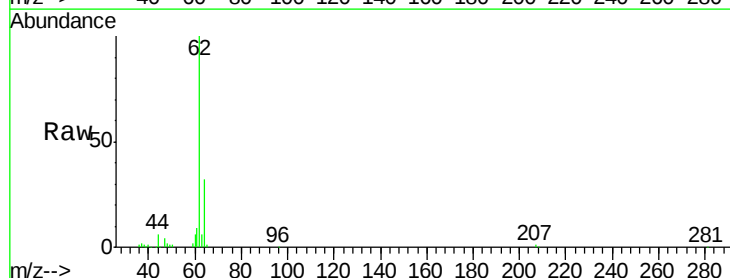
Acq: 05 May 2020 11:23

Tgt Ion: 62 Resp: 69984

Ion Ratio Lower Upper

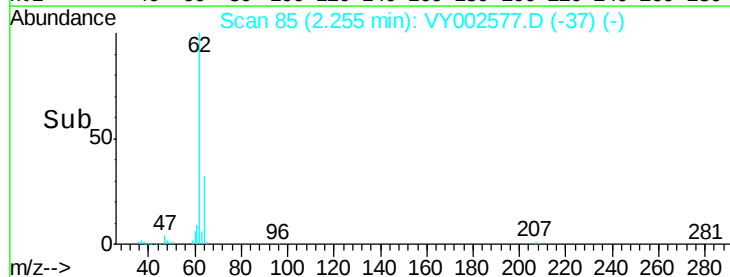
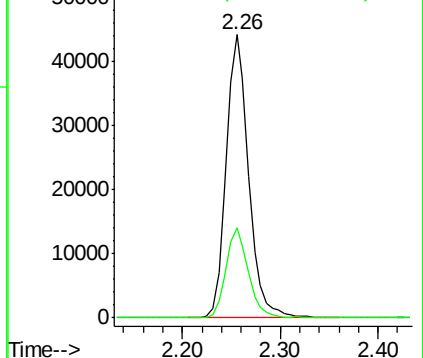
62 100

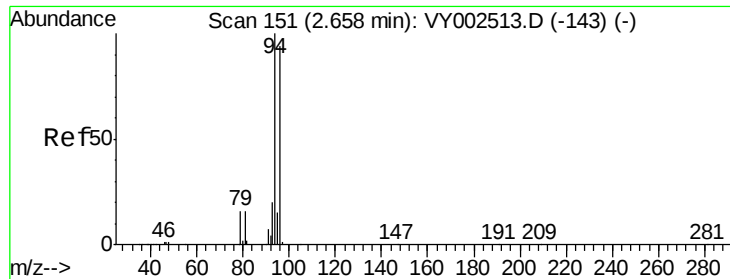
64 31.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 17.897 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.02 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 94 Resp: 46773

Ion Ratio Lower Upper

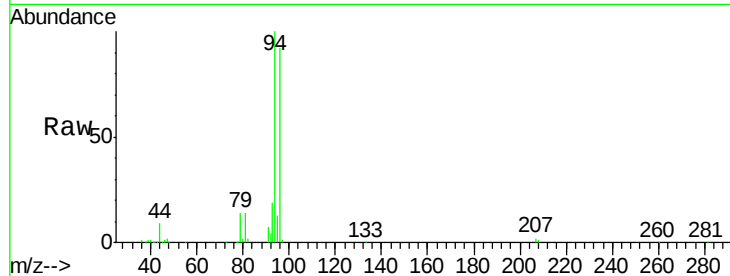
94 100

96 91.5 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.64

25000

20000

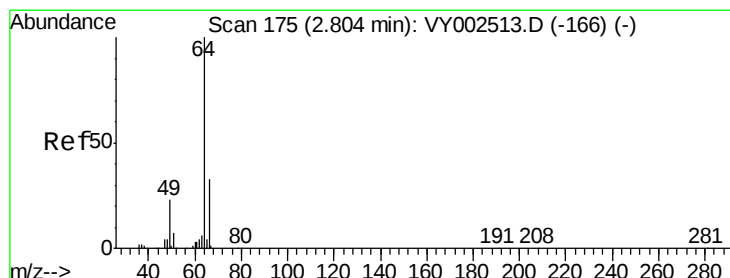
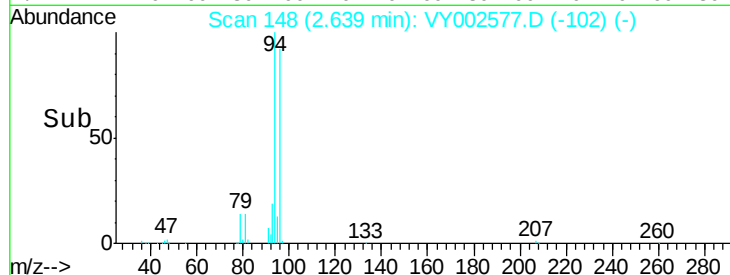
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.185 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY002577.D

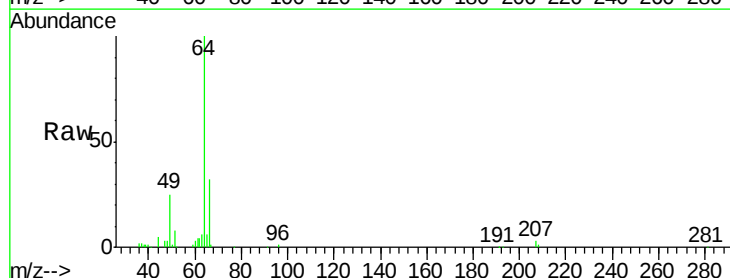
Acq: 05 May 2020 11:23

Tgt Ion: 64 Resp: 41150

Ion Ratio Lower Upper

64 100

66 31.9 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

20000

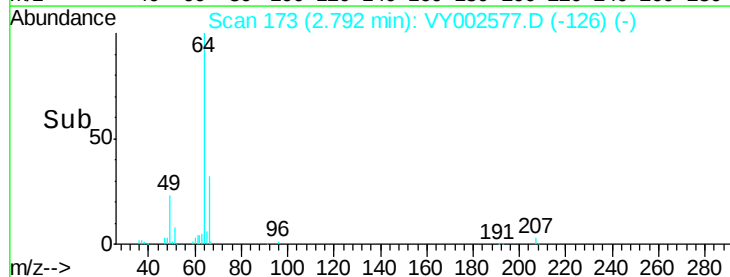
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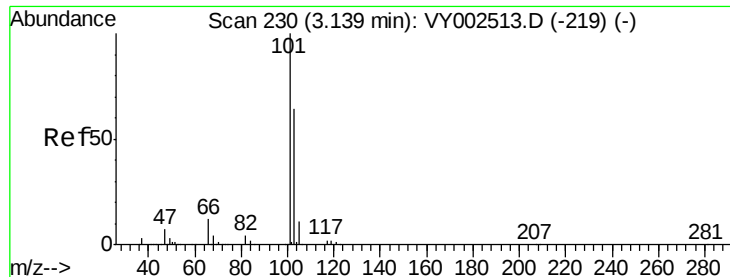
10000

5000

0

Time-->





#7

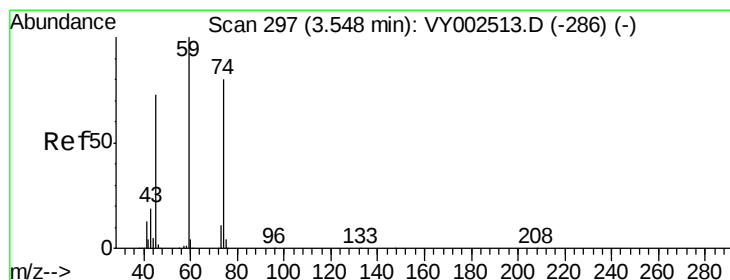
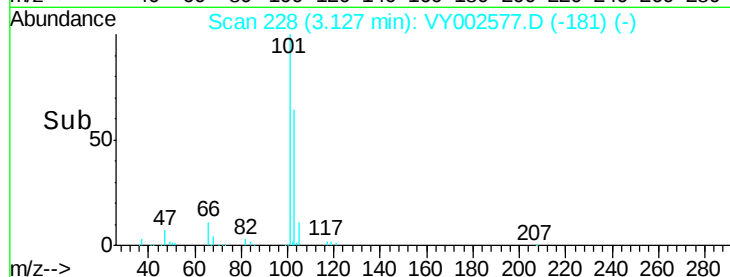
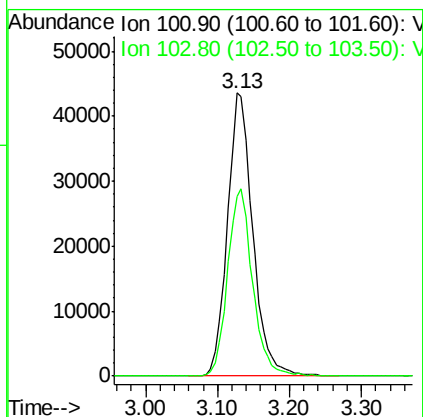
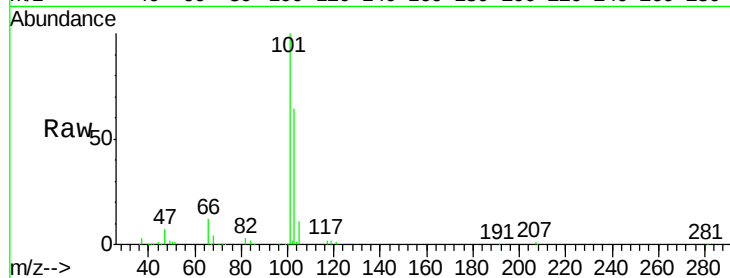
Trichlorofluoromethane
Concen: 18.170 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

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VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	106724		
103	63.7	51.4	77.0	

Manual Integrations
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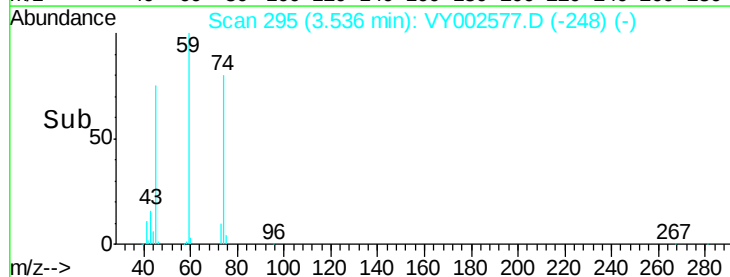
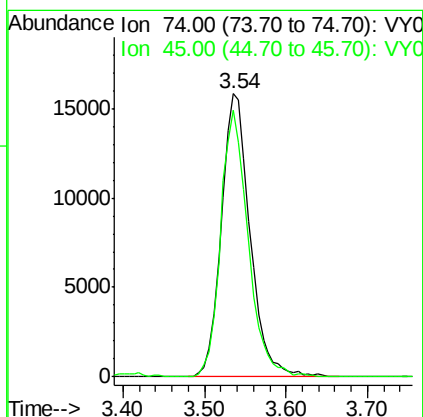
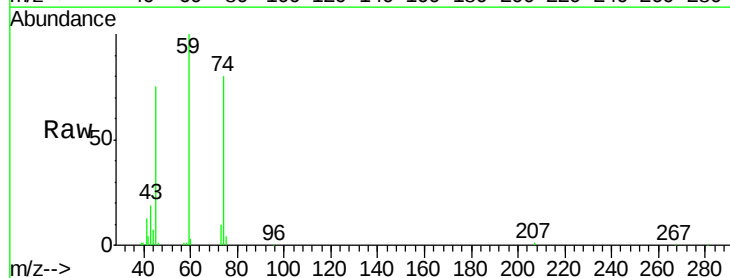
MMDadoda
5/6/2020 10:26:45 AM

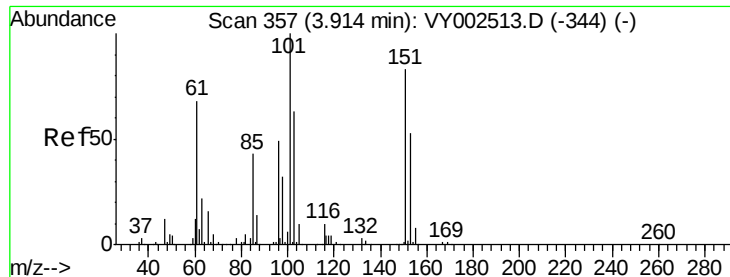


#8

Diethyl Ether
Concen: 19.450 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38391		
45	90.9	46.2	138.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.153 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

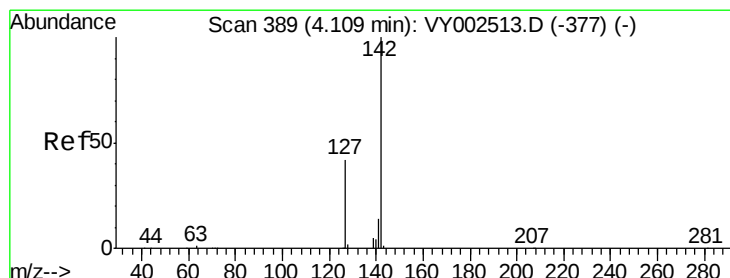
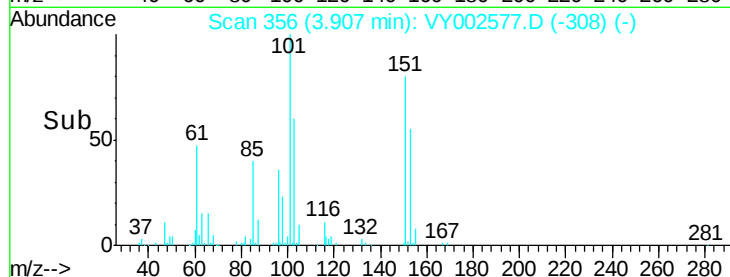
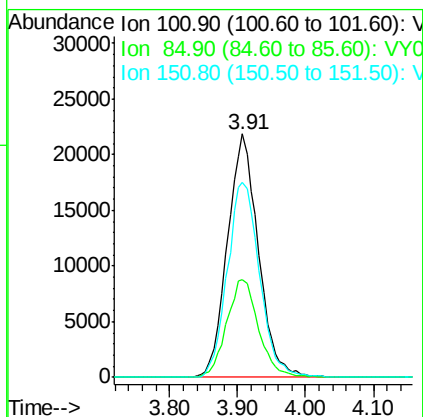
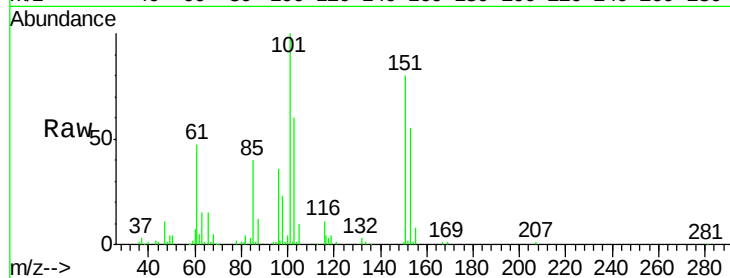
ClientSampleId :

VY0505SBS01

Tot Ion:	101	Resp:	68754
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.4	50.2
151	83.8	66.8	100.2

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#10

Methyl Iodide

Concen: 17.607 ug/l

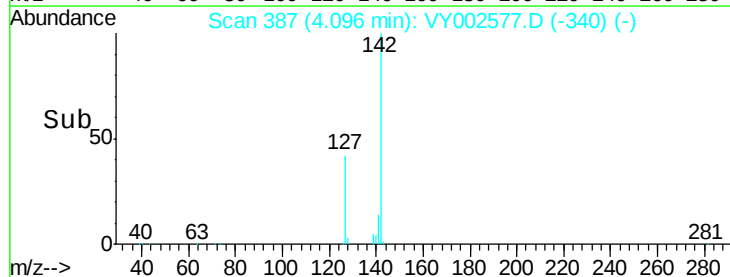
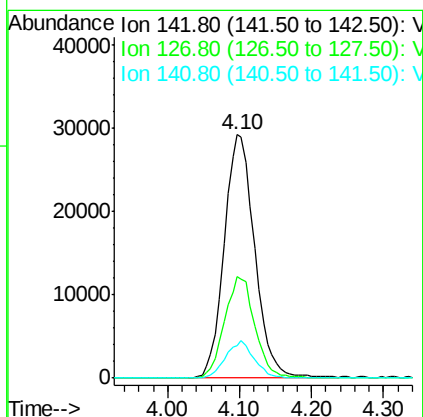
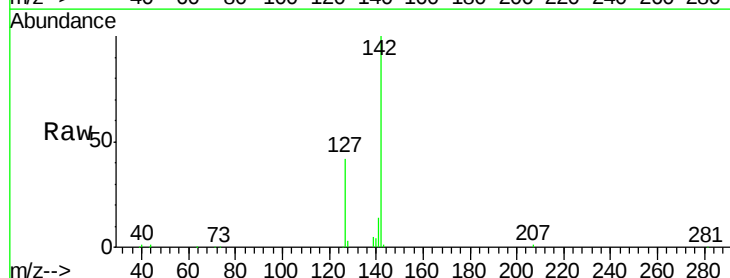
RT: 4.10 min Scan# 387

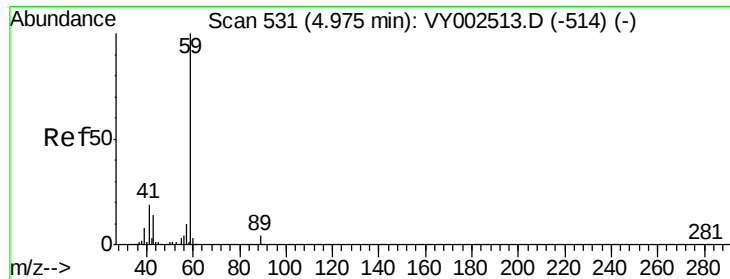
Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Tgt Ion:	142	Resp:	86110
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.7	50.5
141	14.3	11.4	17.0





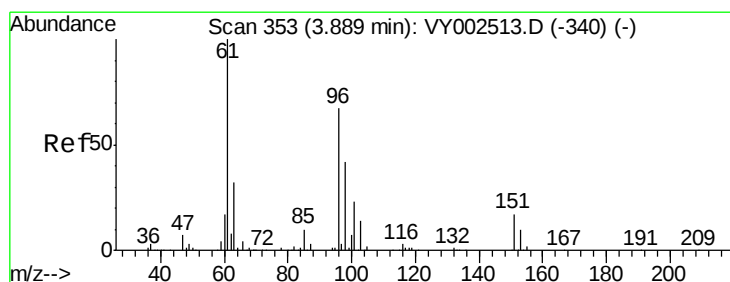
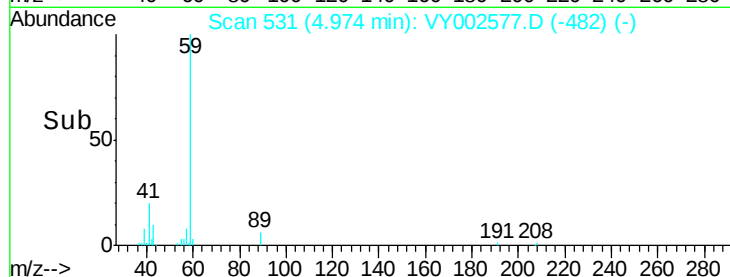
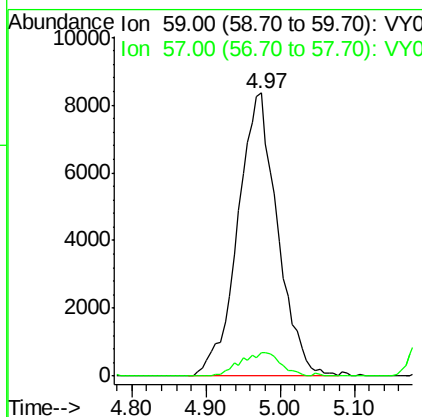
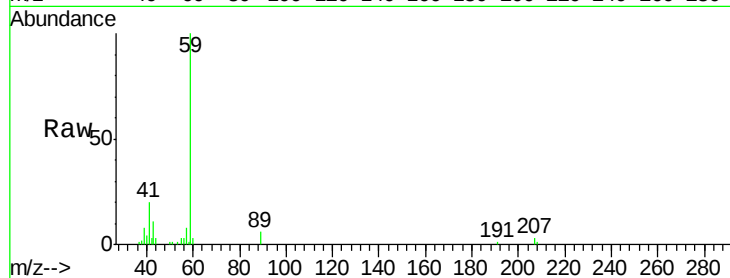
#11
Tert butyl alcohol
Concen: 89.193 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion: 59 Resp: 31256
Ion Ratio Lower Upper
59 100
57 8.5 7.8 11.6

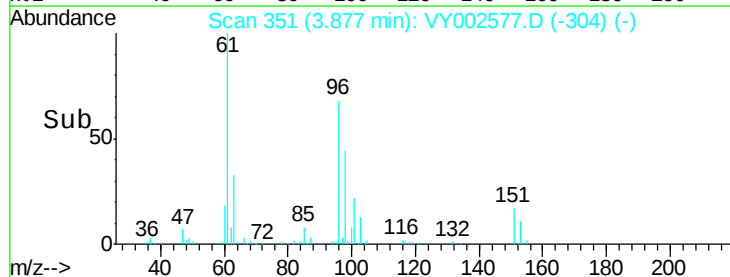
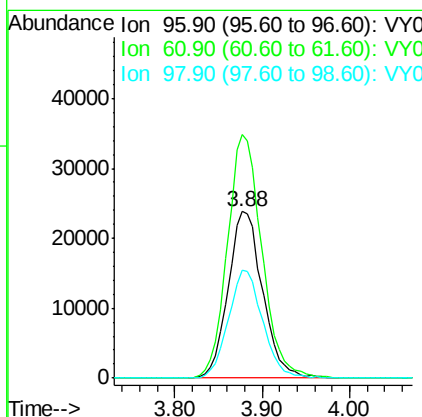
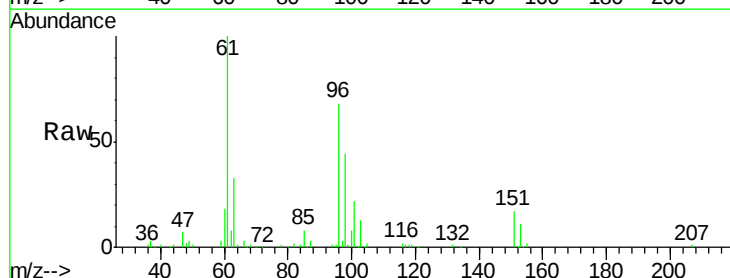
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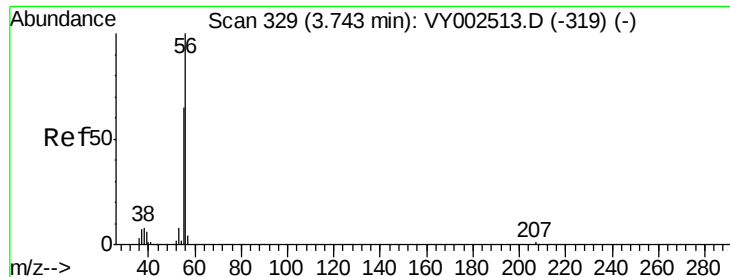
MMDadoda
5/6/2020 10:26:45 AM



#12
1,1-Dichloroethene
Concen: 18.742 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion: 96 Resp: 65358
Ion Ratio Lower Upper
96 100
61 146.1 118.8 178.2
98 64.7 49.6 74.4





#13

Acrolein

Concen: 81.506 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 56 Resp: 19751

Ion Ratio Lower Upper

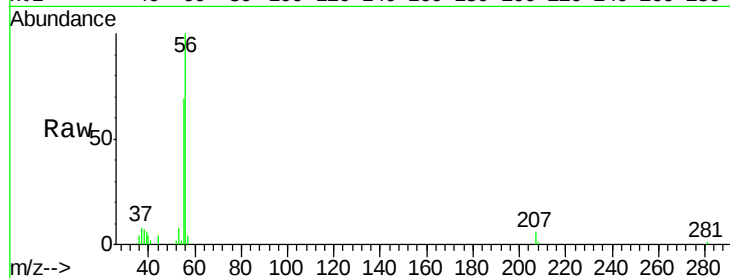
56 100

55 69.4 53.8 80.6

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MMDadoda

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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

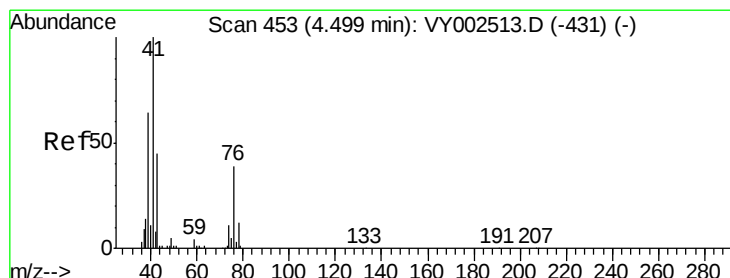
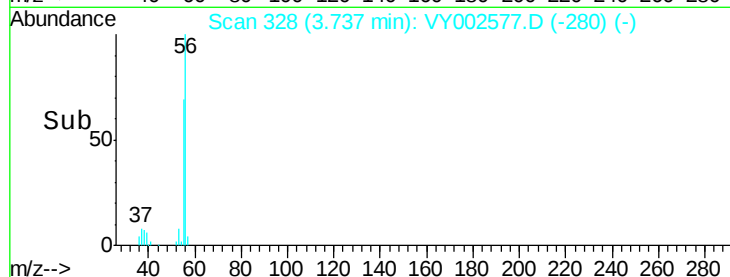
4000

2000

0

3.70 3.80

Time-->



#14

Allyl chloride

Concen: 19.249 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

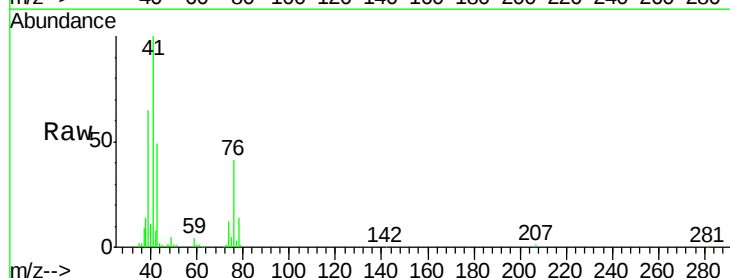
Tgt Ion: 41 Resp: 97804

Ion Ratio Lower Upper

41 100

39 62.8 51.8 77.6

76 39.6 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

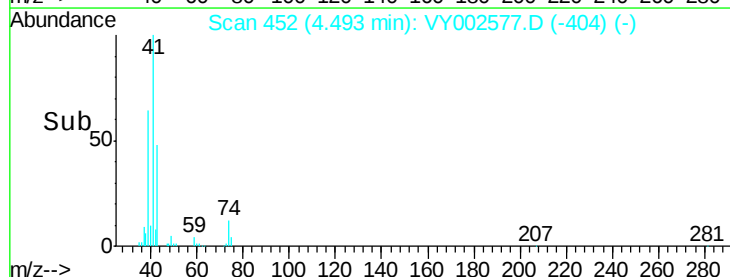
20000

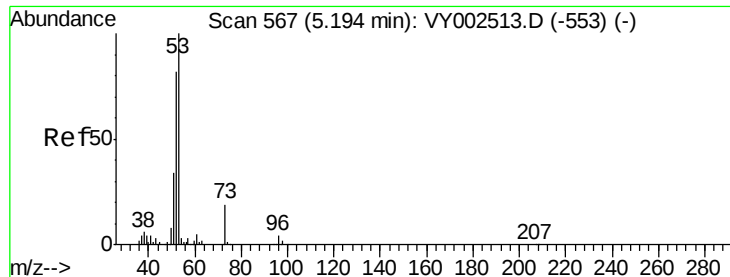
10000

0

4.30 4.40 4.50 4.60

Time-->





#15

Acrylonitrile

Concen: 97.204 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.02 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

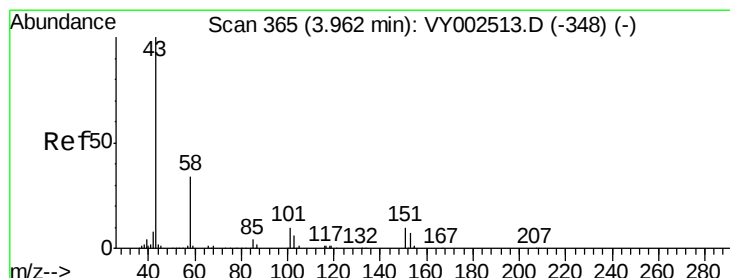
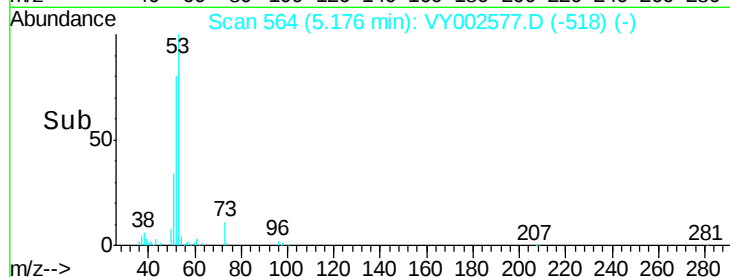
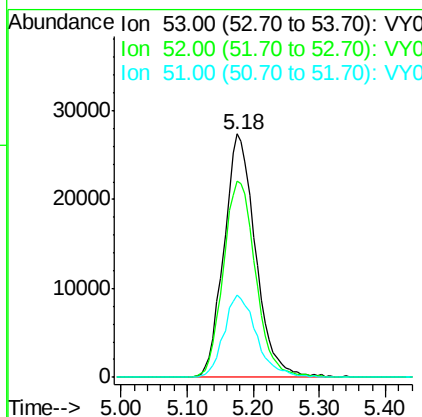
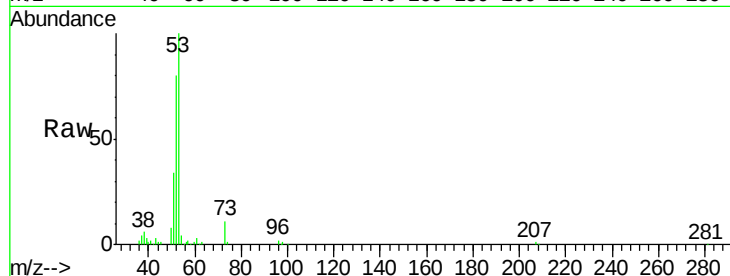
ClientSampleId :

VY0505SBS01

Tot Ion:	53	Resp:	90478
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.4	98.0
51	35.1	28.7	43.1

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 94.877 ug/l

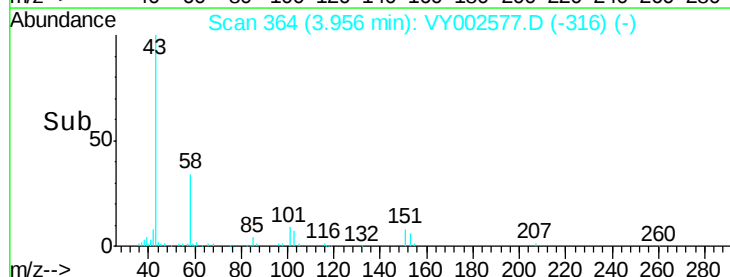
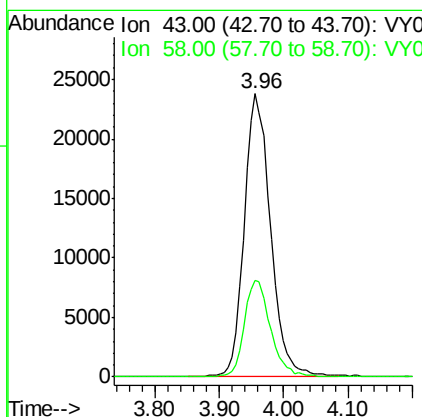
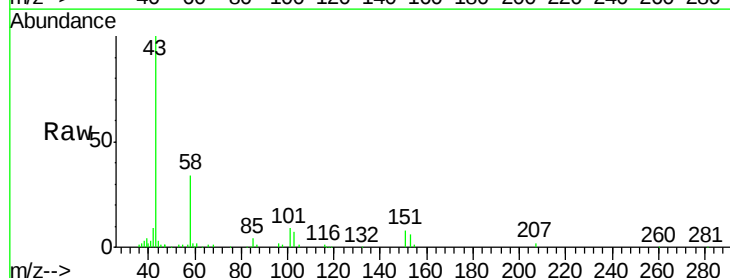
RT: 3.96 min Scan# 364

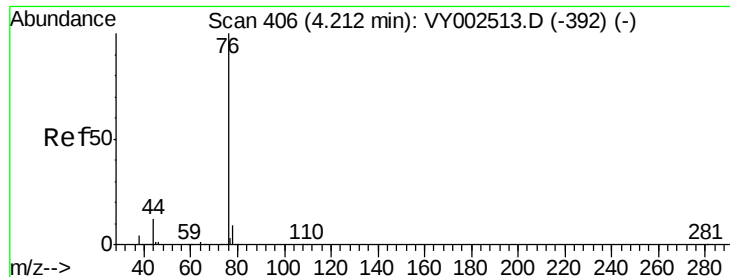
Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Tgt Ion:	43	Resp:	66694
Ion Ratio	Lower	Upper	
43	100		
58	34.1	26.9	40.3





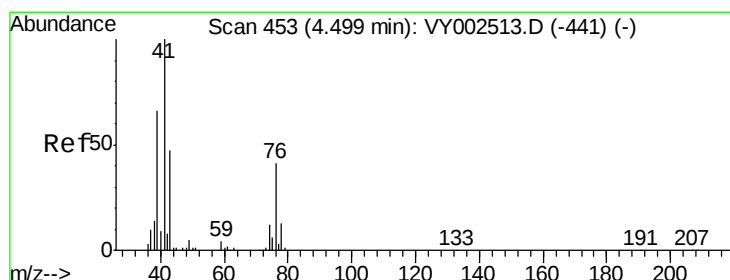
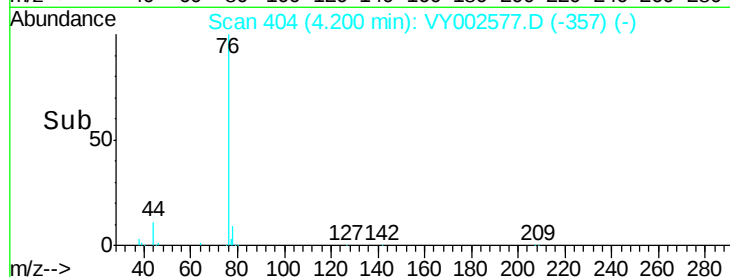
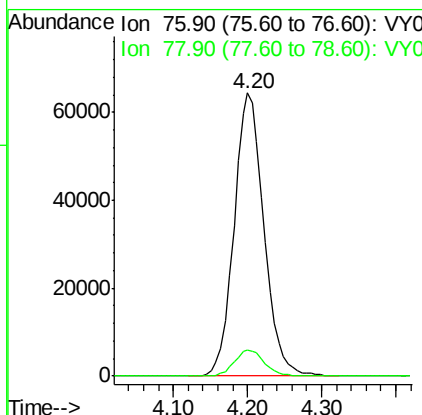
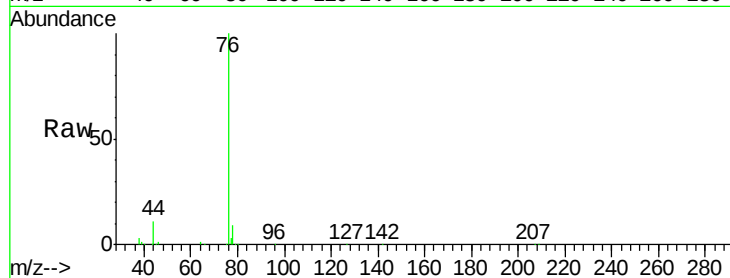
#17
Carbon Disulfide
Concen: 17.177 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

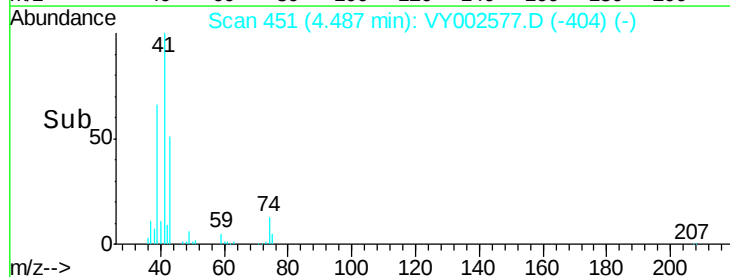
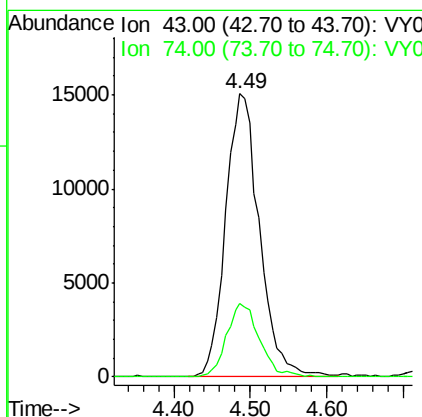
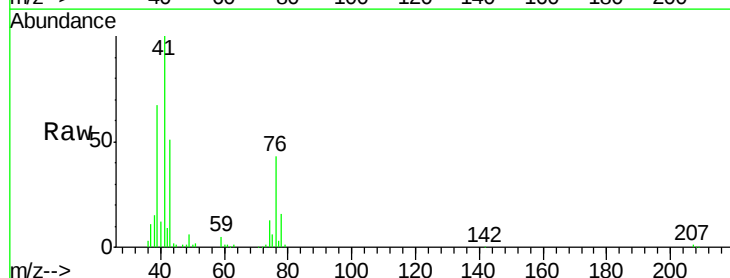
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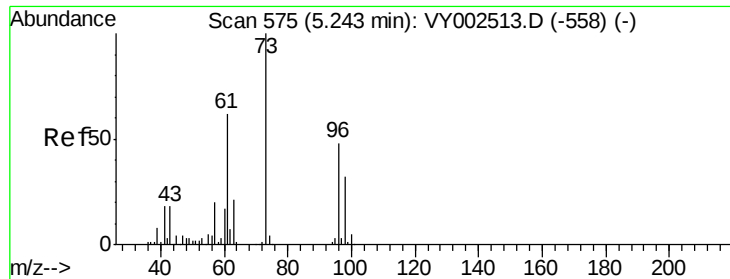
MMDadoda
5/6/2020 10:26:45 AM



#18
Methyl Acetate
Concen: 19.549 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	21.2	31.8





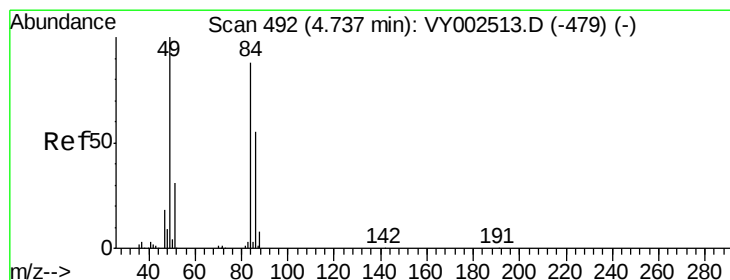
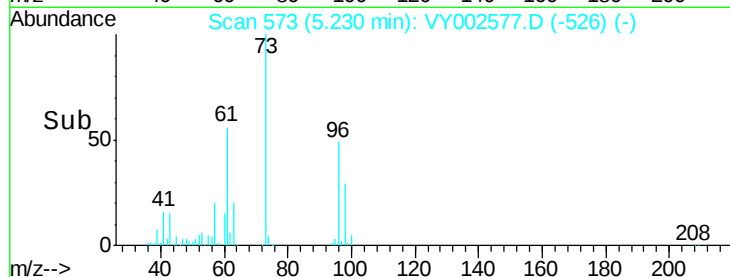
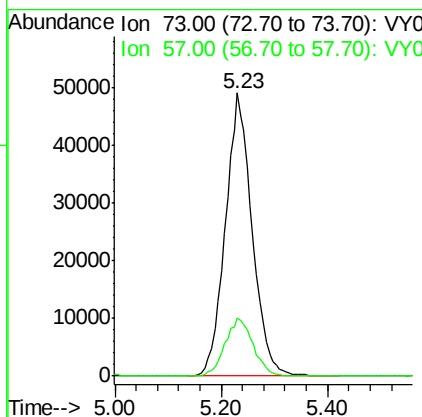
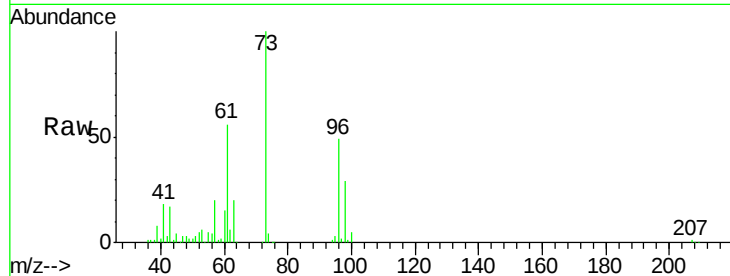
#19
Methvl tert-butvl Ether
Concen: 18.936 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion: 73 Resp: 172283
Ion Ratio Lower Upper
73 100
57 20.5 16.3 24.5

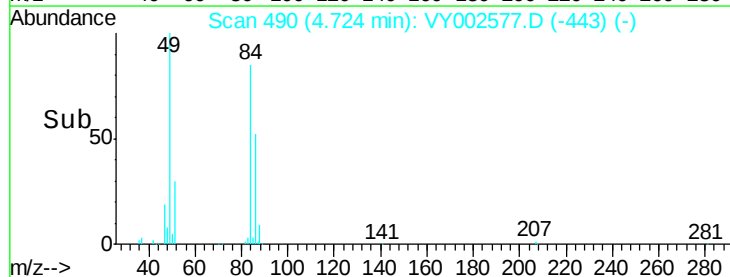
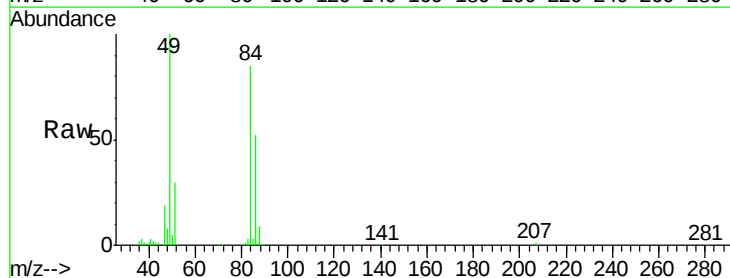
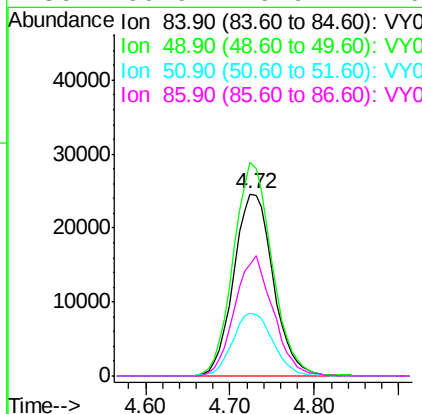
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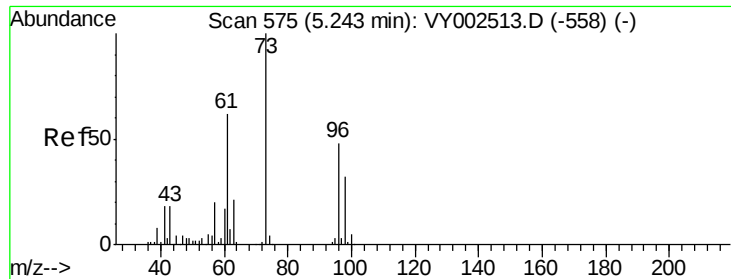
MMDadoda
5/6/2020 10:26:45 AM



#20
Methylene Chloride
Concen: 19.951 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion: 84 Resp: 78427
Ion Ratio Lower Upper
84 100
49 117.1 90.5 135.7
51 34.6 28.3 42.5
86 60.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 18.910 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 96 Resp: 72076

Ion Ratio Lower Upper

96 100

61 115.9 102.0 153.0

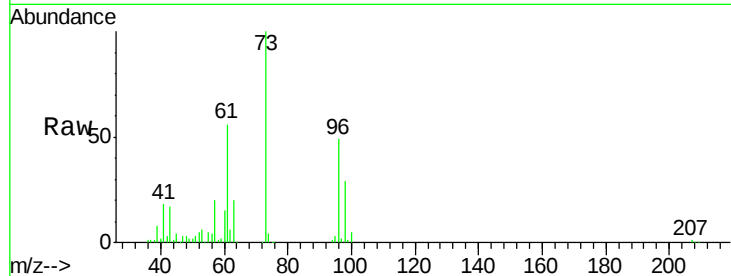
98 59.8 53.0 79.4

Manual Integrations

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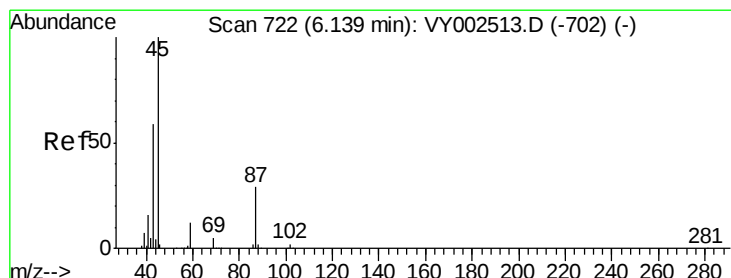
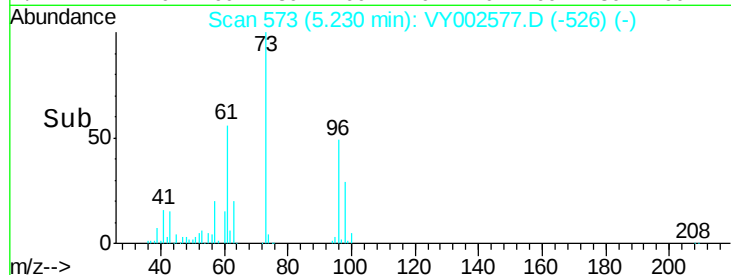
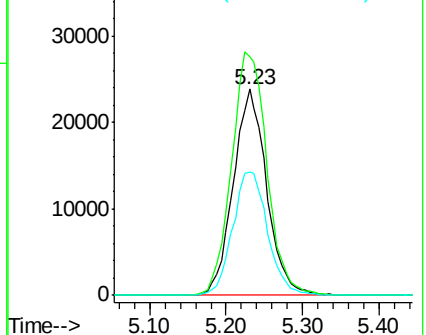
5/6/2020 10:26:45 AM



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 20.078 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Tgt Ion: 45 Resp: 206422

Ion Ratio Lower Upper

45 100

43 59.1 47.4 71.0

87 29.6 24.0 36.0

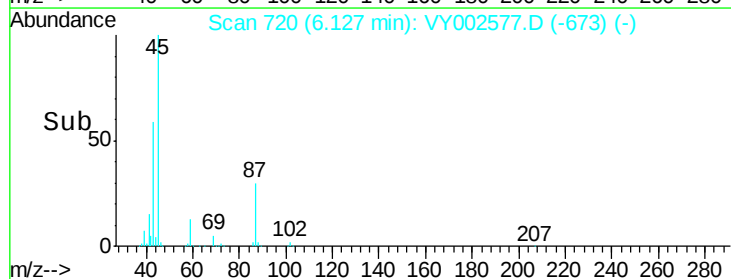
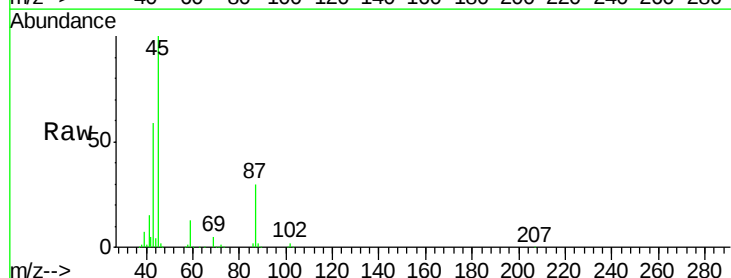
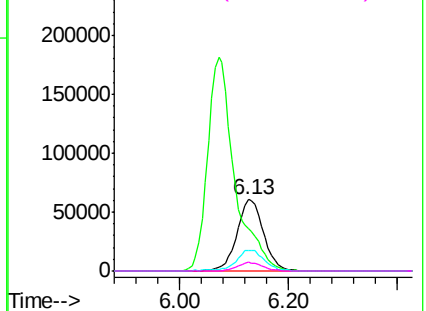
59 12.6 9.8 14.8

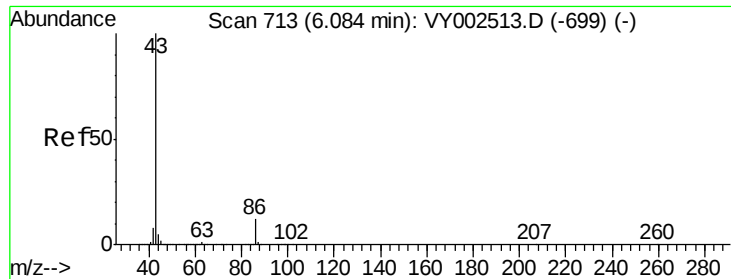
Abundance Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 96.959 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 43 Resp: 626894

Ion Ratio Lower Upper

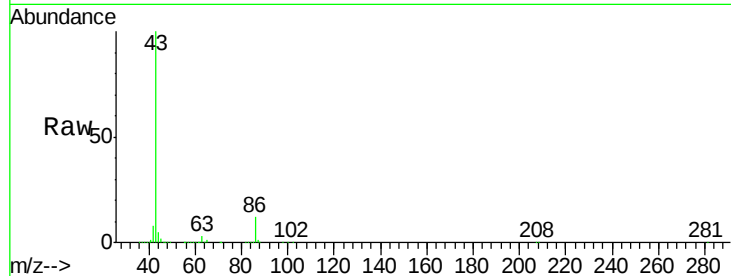
43 100

86 12.2 9.8 14.6

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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

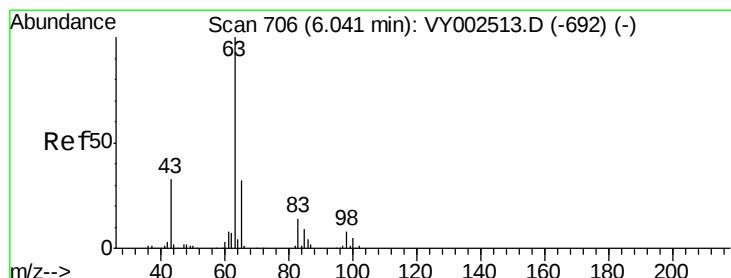
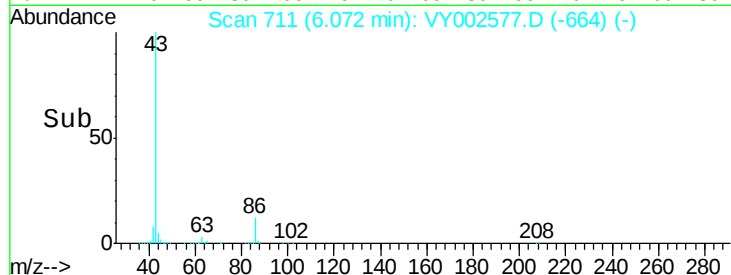
100000

50000

0

6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 19.534 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

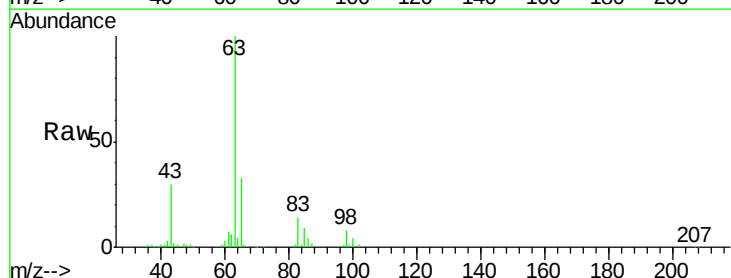
Tgt Ion: 63 Resp: 118805

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

100 4.3 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

50000

40000

30000

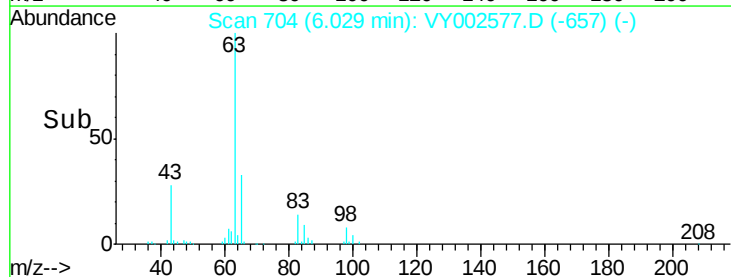
20000

10000

0

5.90 6.00 6.10 6.20

Time-->





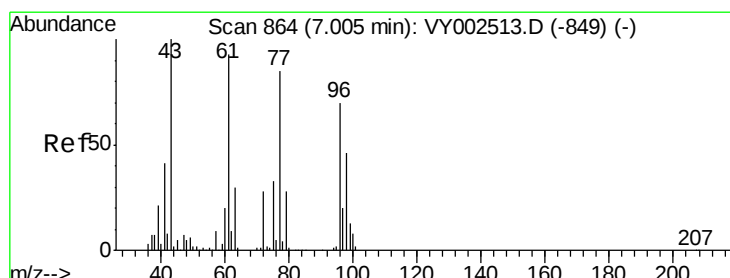
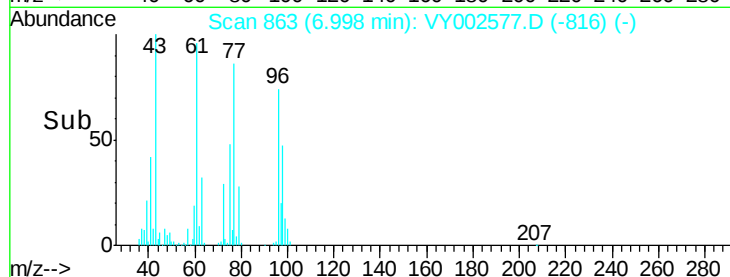
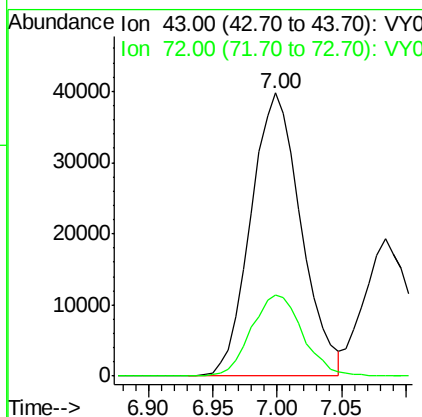
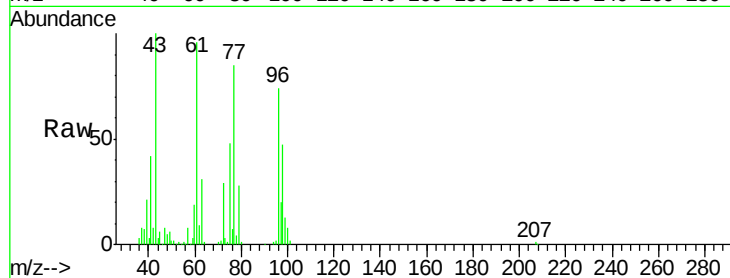
#25
2-Butanone
Concen: 93.555 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion: 43 Resp: 107652
Ion Ratio Lower Upper
43 100
72 28.7 24.1 36.1

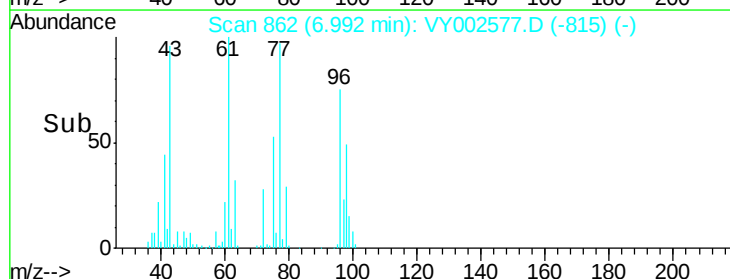
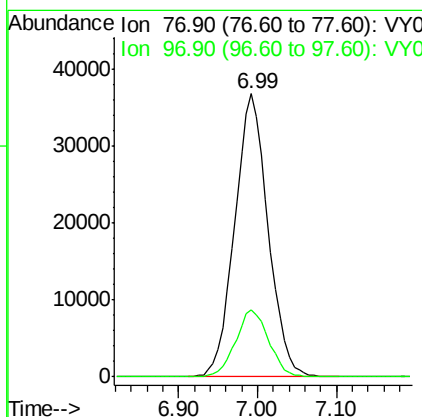
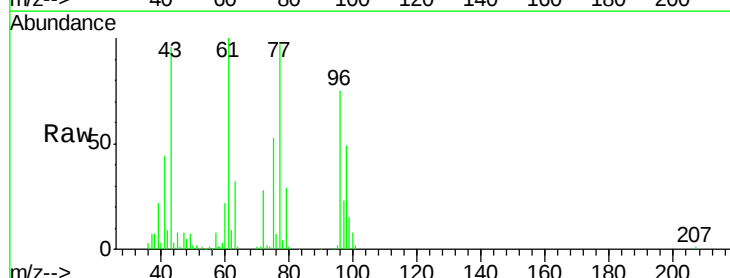
Manual Integrations
APPROVED

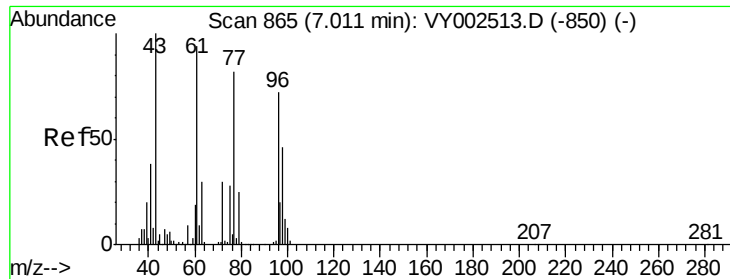
MMDadoda
5/6/2020 10:26:45 AM



#26
2,2-Dichloropropane
Concen: 18.711 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion: 77 Resp: 108173
Ion Ratio Lower Upper
77 100
97 23.6 11.9 35.5





#27

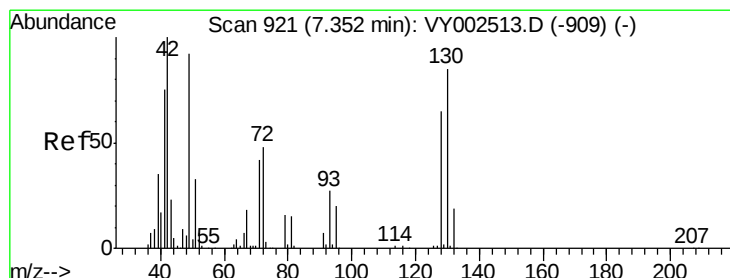
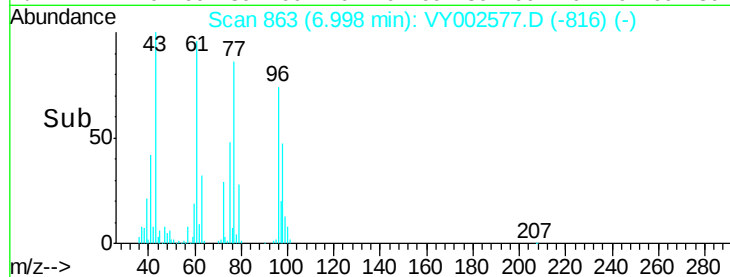
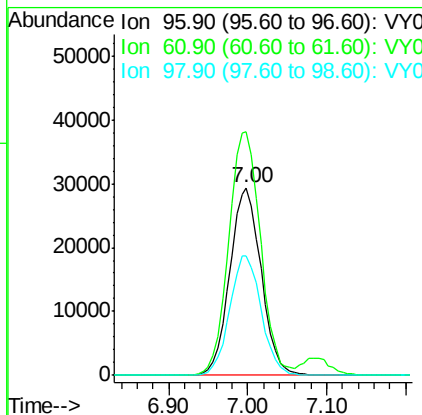
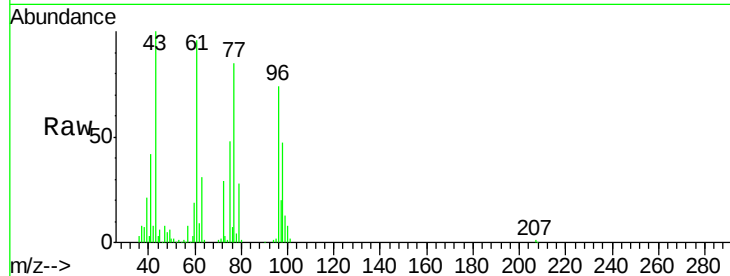
cis-1,2-Dichloroethene
Concen: 19.204 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	96	Resp	80990
Ion	Ratio	Lower	Upper
96	100		
61	132.1	0.0	266.6
98	64.1	0.0	129.2

Manual Integrations
APPROVED

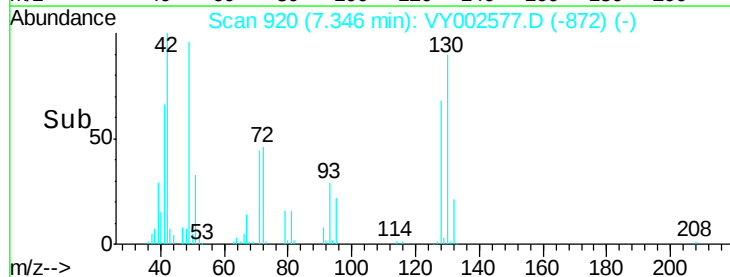
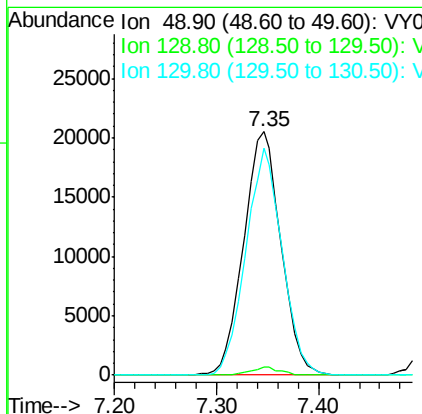
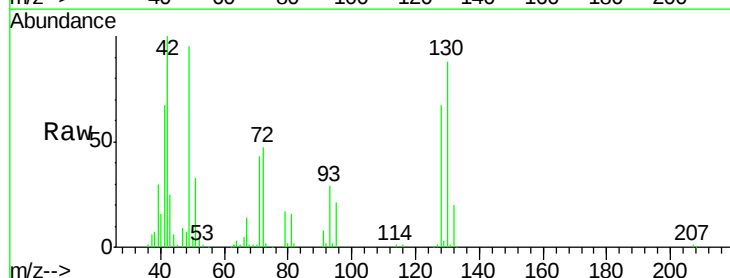
MMDadoda
5/6/2020 10:26:45 AM

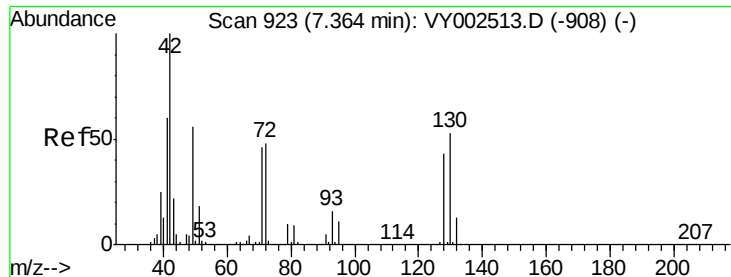


#28

Bromochloromethane
Concen: 20.944 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	49	Resp	52192
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	90.5	72.5	108.7





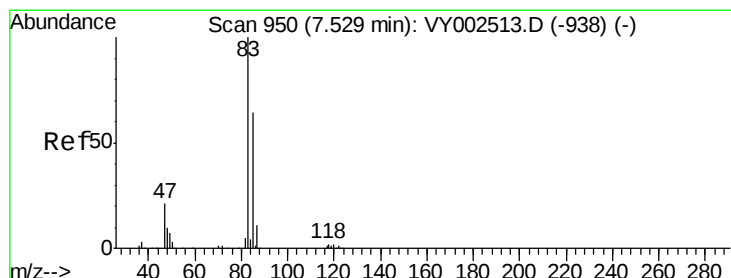
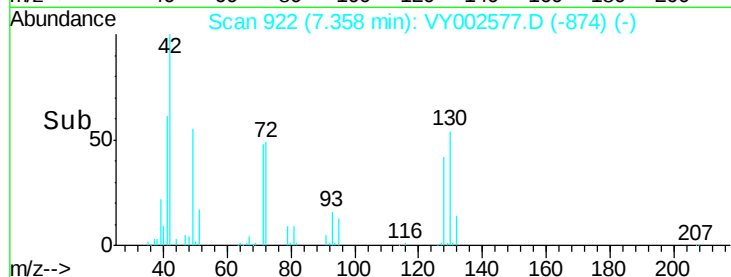
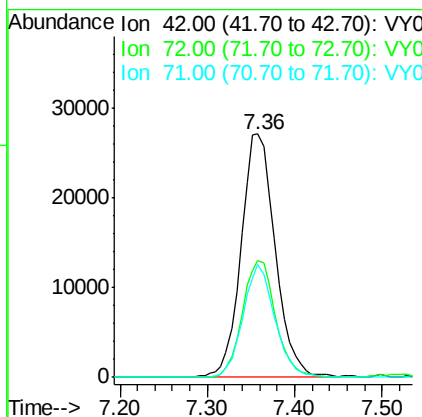
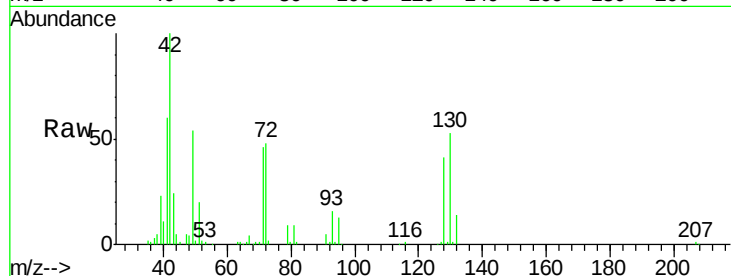
#29
Tetrahydrofuran
Concen: 96.342 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion:	42	Resp:	73346
Ion	Ratio	Lower	Upper
42	100		
72	46.5	37.4	56.2
71	43.3	35.0	52.4

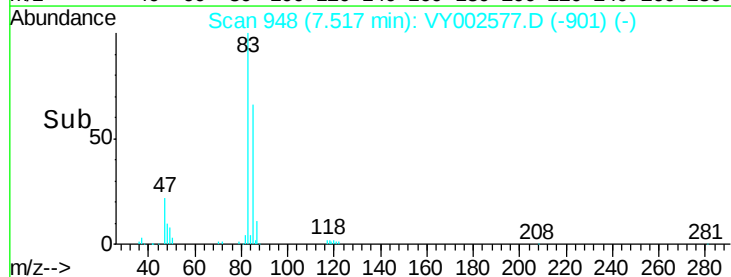
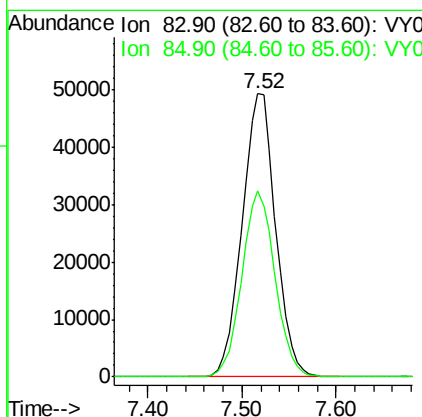
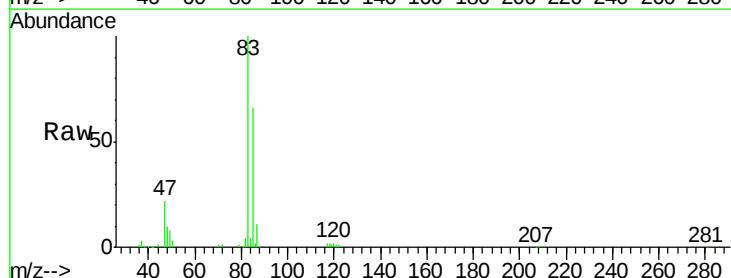
Manual Integrations
APPROVED

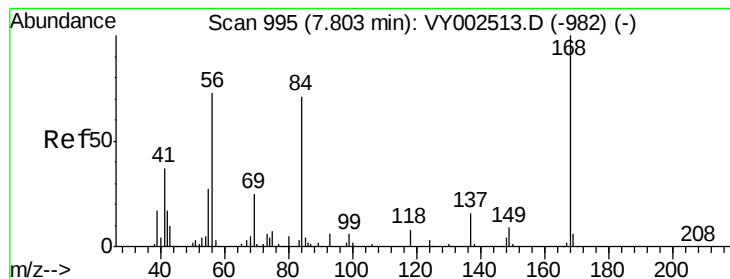
MMDadoda
5/6/2020 10:26:45 AM



#30
Chloroform
Concen: 19.420 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion:	83	Resp:	122813
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.5	77.3





#31

Cyclohexane

Concen: 18.573 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

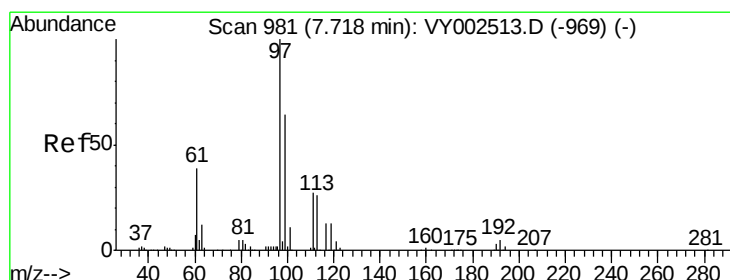
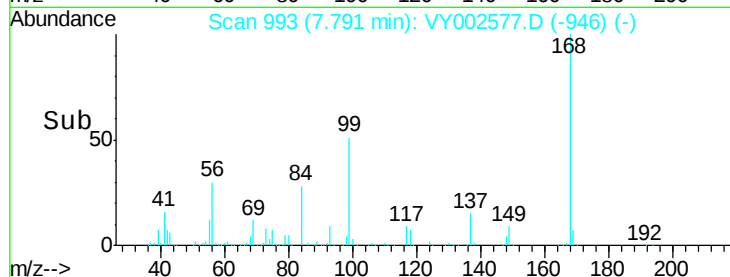
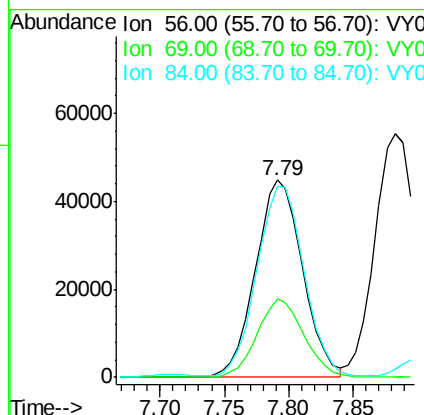
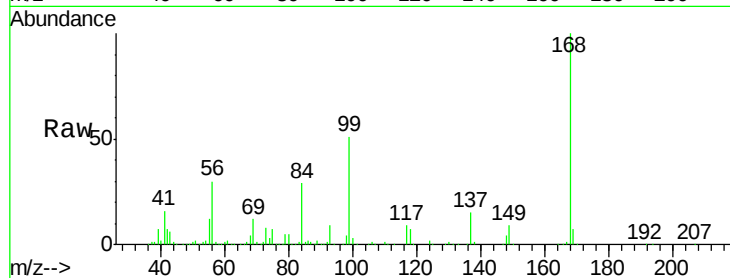
ClientSampleId :

VY0505SBS01

Tot Ion:	56	Resp:	113705
Ion Ratio	Lower	Upper	
56	100		
69	39.7	27.6	41.4
84	95.6	77.7	116.5

Manual Integrations
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5/6/2020 10:26:45 AM



#32

1,1,1-Trichloroethane

Concen: 18.743 ug/l

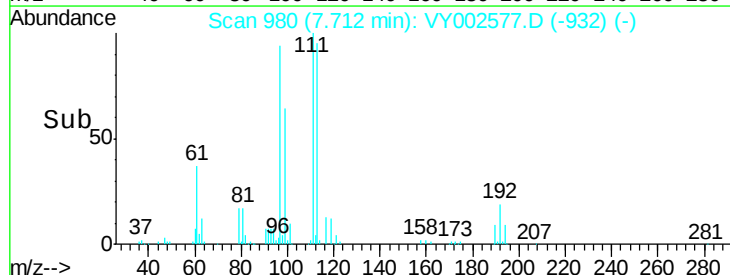
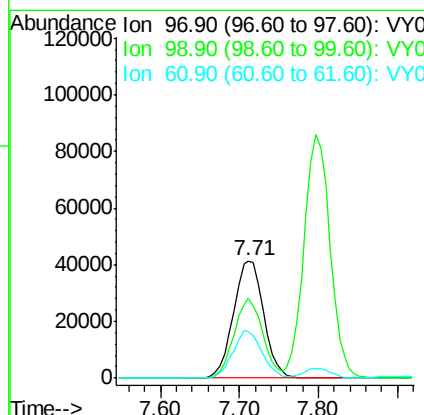
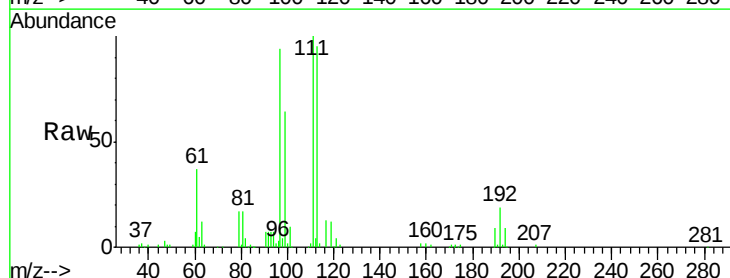
RT: 7.71 min Scan# 980

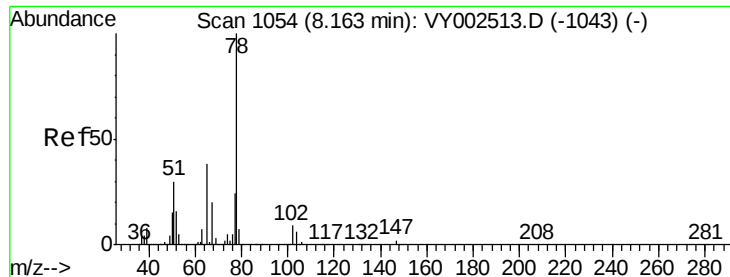
Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Tgt Ion:	97	Resp:	110168
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.9	77.9
61	39.1	31.0	46.6





#33

1,2-Dichloroethane-d4

Concen: 50.337 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 65 Resp: 171454

Ion Ratio Lower Upper

65 100

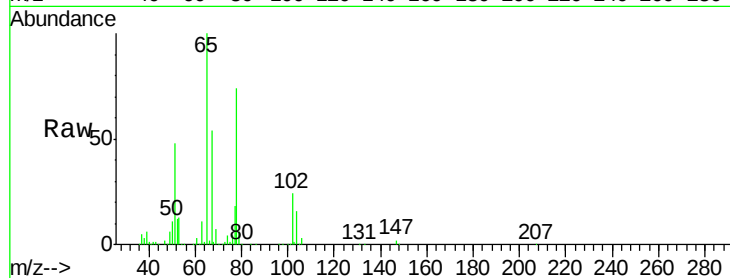
67 53.7 0.0 107.2

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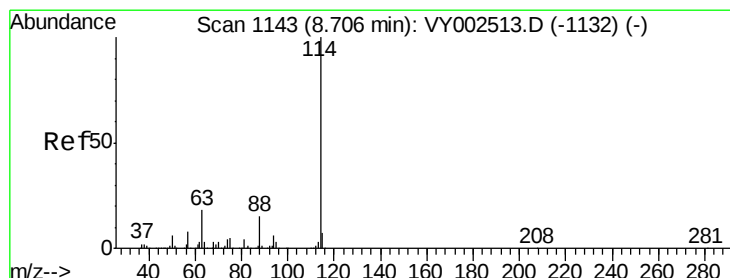
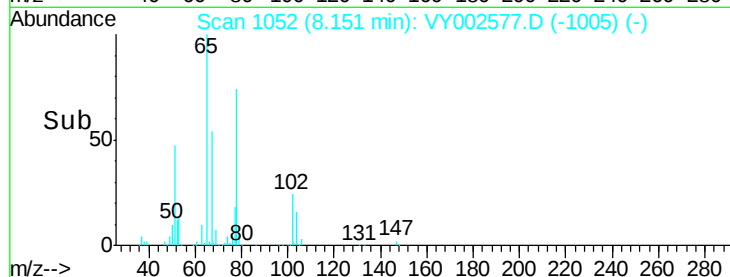
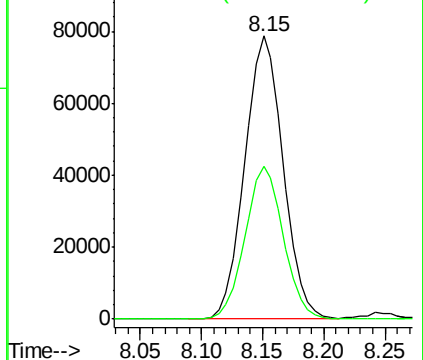
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

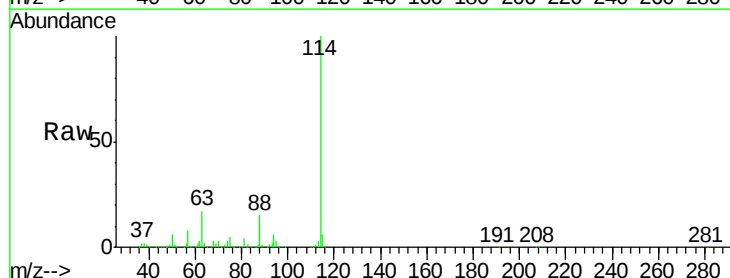
Tgt Ion: 114 Resp: 596100

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.4

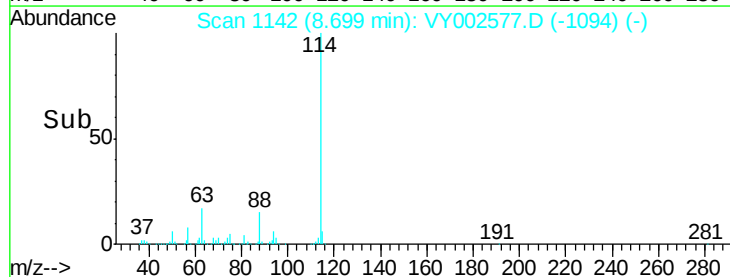
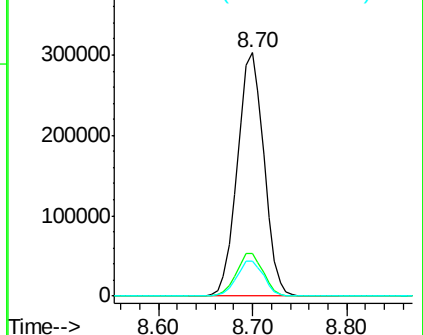
88 14.5 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 52.397 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

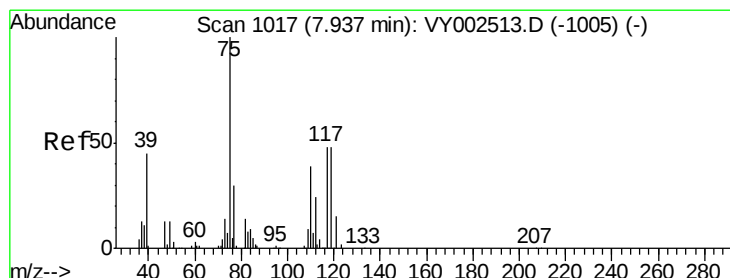
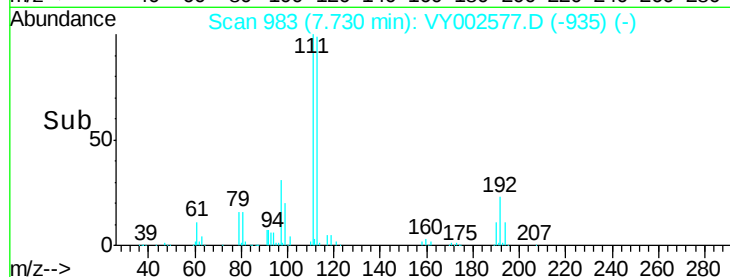
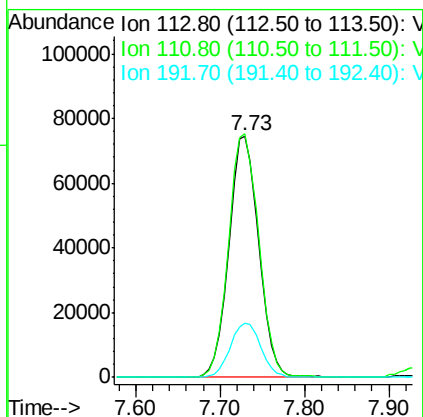
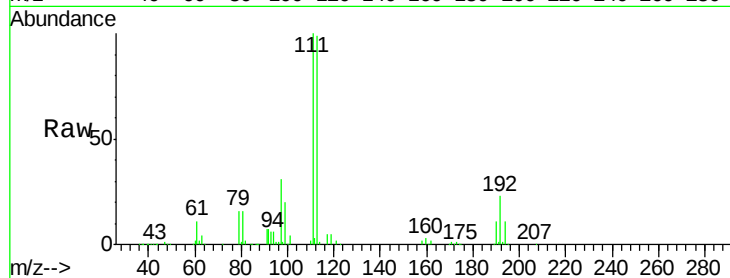
ClientSampleId :

VY0505SBS01

Tot Ion:	113	Resp:	178627
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.8	122.6
192	23.1	18.2	27.4

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#36

1,1-Dichloropropene

Concen: 19.090 ug/l

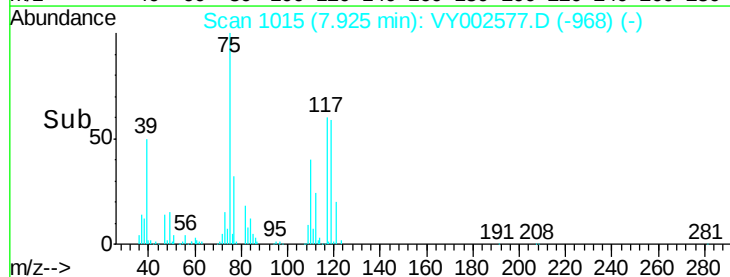
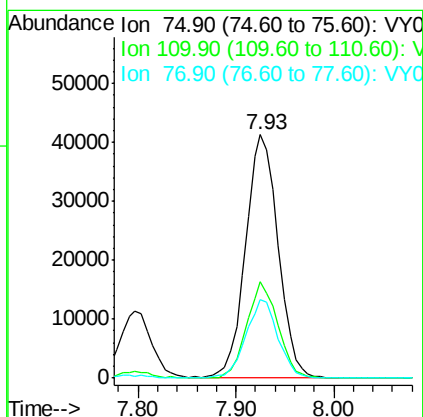
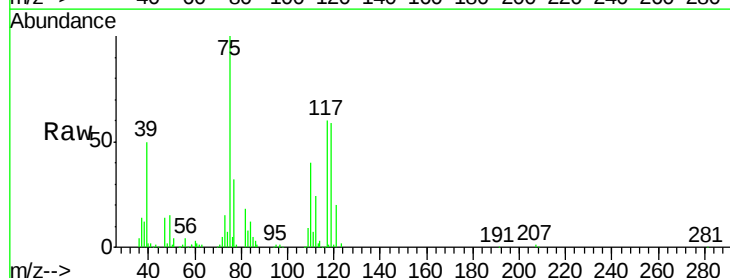
RT: 7.93 min Scan# 1015

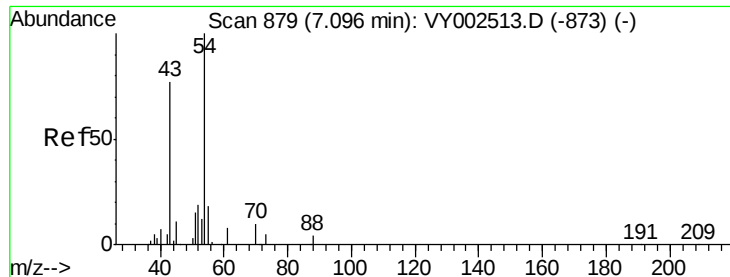
Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Tgt Ion:	75	Resp:	95397
Ion Ratio	Lower	Upper	
75	100		
110	37.7	19.1	57.3
77	31.6	24.6	37.0





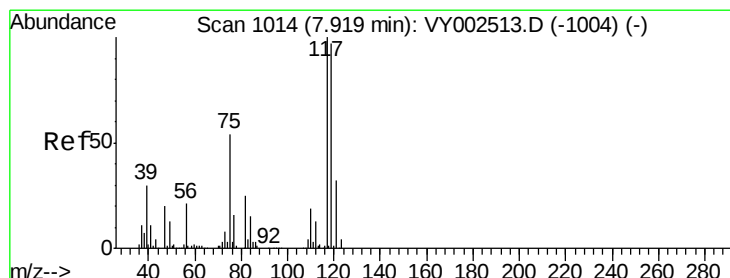
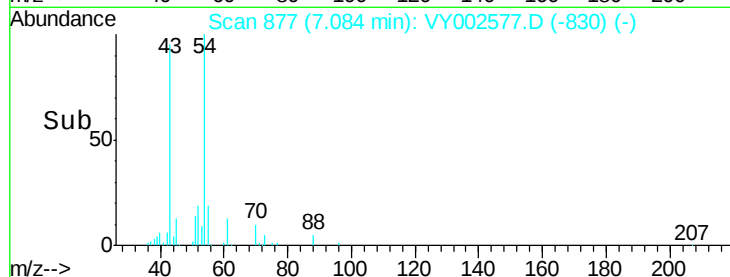
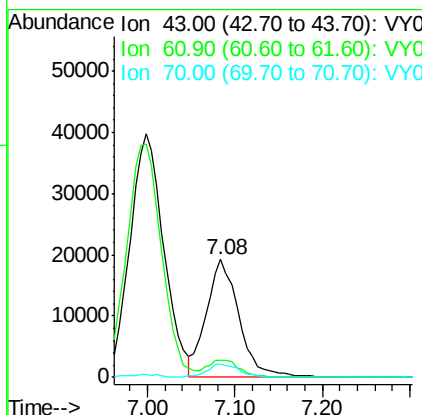
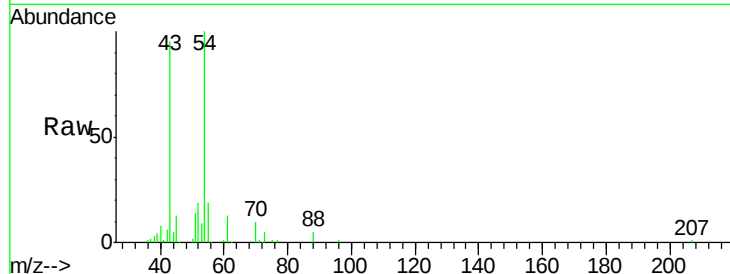
#37
Ethyl Acetate
Concen: 19.370 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.6	17.4
70	11.1	9.0	13.6

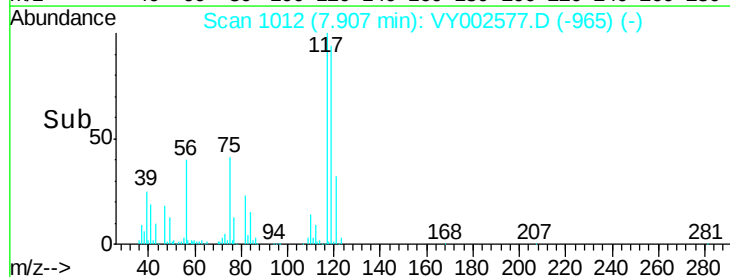
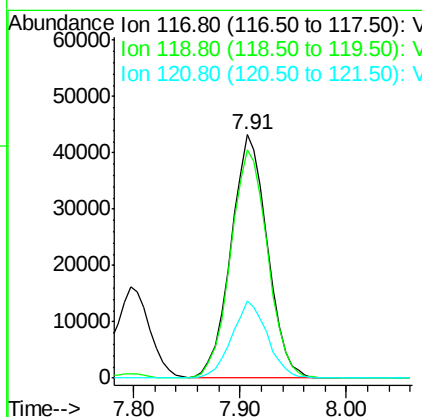
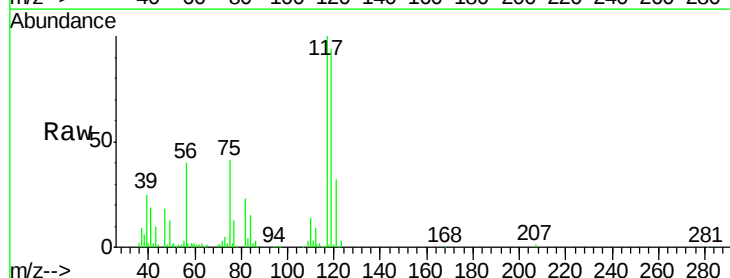
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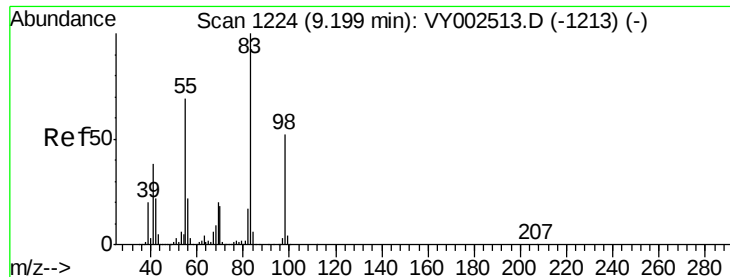
MMDadoda
5/6/2020 10:26:45 AM



#38
Carbon Tetrachloride
Concen: 19.000 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.1	115.7
121	31.7	25.2	37.8





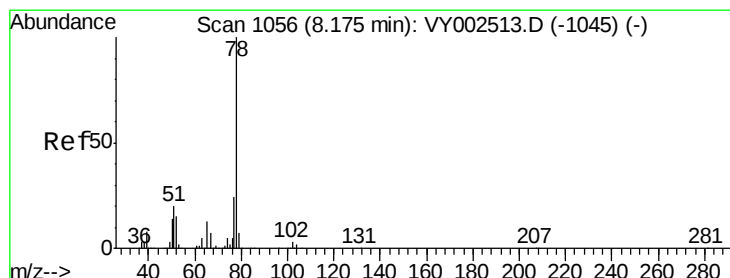
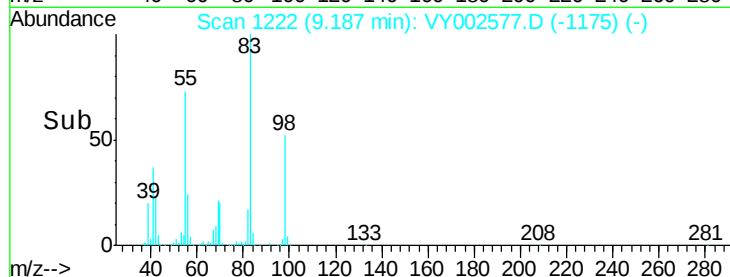
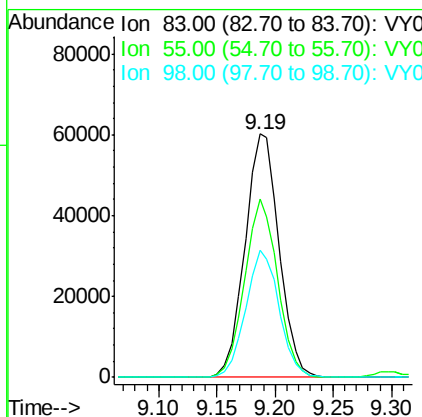
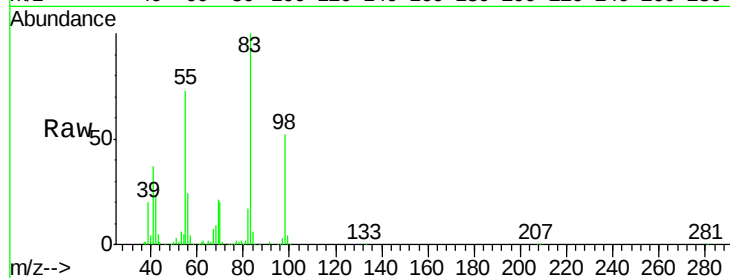
#39
Methvlcvclohexane
Concen: 18.574 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	122592		
55	73.3		55.4	83.0
98	52.1		41.3	61.9

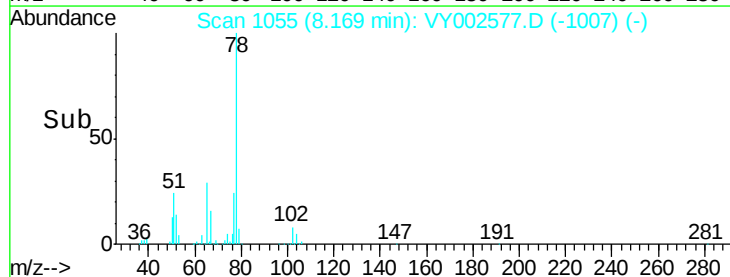
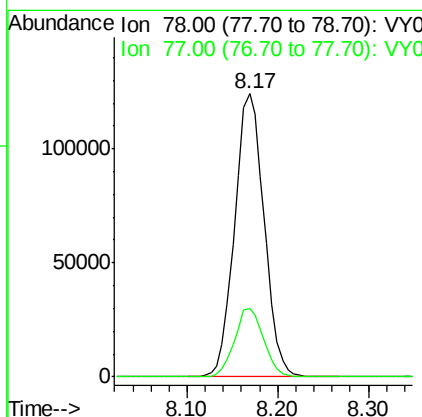
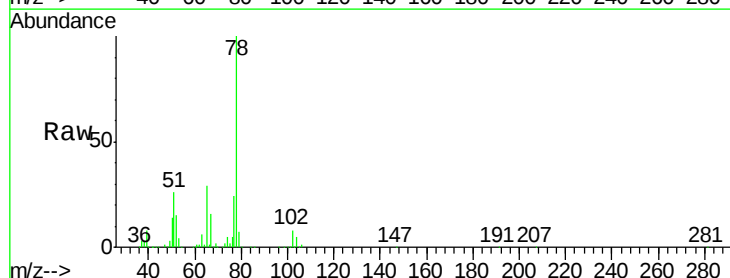
Manual Integrations
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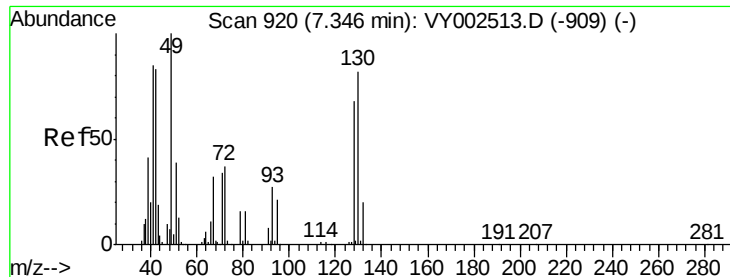
MMDadoda
5/6/2020 10:26:45 AM



#40
Benzene
Concen: 19.339 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	279122		
77	24.2		19.2	28.8





#41

Methacrylonitrile

Concen: 20.149 ug/l m

RT: 7.32 min Scan# 916

Delta R.T. -0.02 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 41 Resp: 27820

Ion Ratio Lower Upper

41 100

39 108.1 83.1 124.7

67 0.0 0.0 0.0

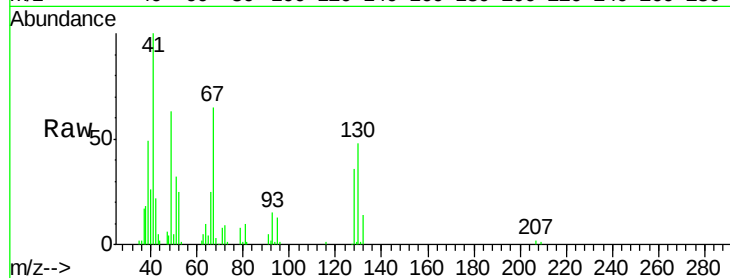
52 0.0 0.0 0.0

Manual Integrations

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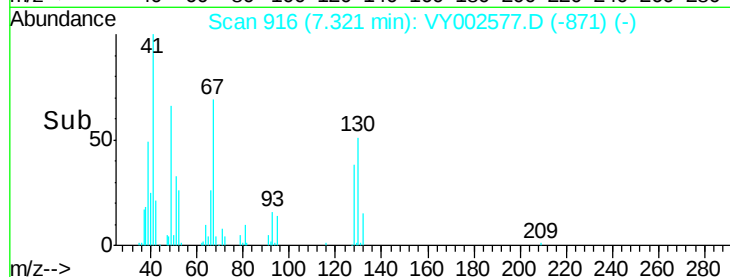
Abundance Ion 41.00 (40.70 to 41.70): VY002513.D (-909) (-)

Ion 39.00 (38.70 to 39.70): VY002513.D (-909) (-)

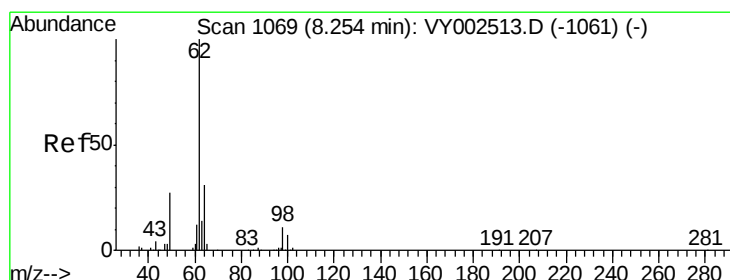
Ion 67.00 (66.70 to 67.70): VY002513.D (-909) (-)

Ion 52.00 (51.70 to 52.70): VY002513.D (-909) (-)

Time-->



Time-->



#42

1,2-Dichloroethane

Concen: 18.901 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY002577.D

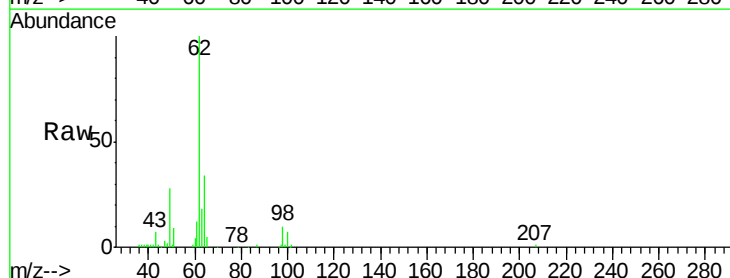
Acq: 05 May 2020 11:23

Tgt Ion: 62 Resp: 76520

Ion Ratio Lower Upper

62 100

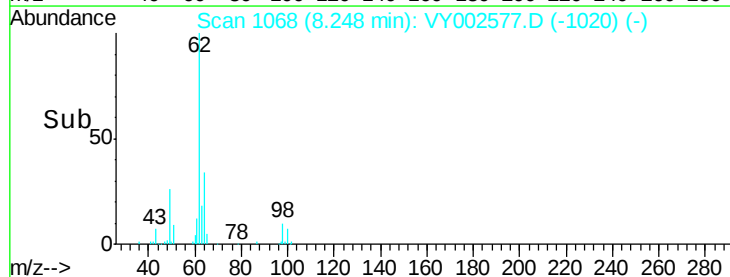
98 11.0 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY002513.D (-1061) (-)

Ion 97.90 (97.60 to 98.60): VY002513.D (-1061) (-)

Time-->



Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

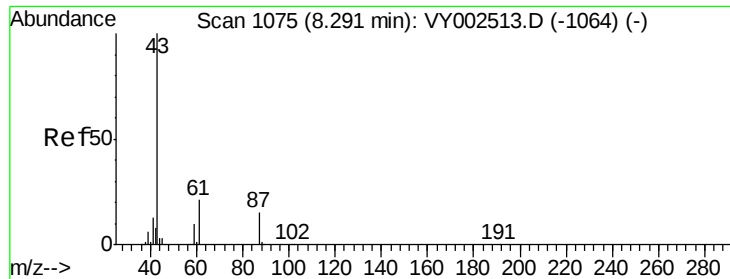
Time-->

Time-->

Time-->

Time-->

Time-->



#43

Isopropyl Acetate

Concen: 19.320 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

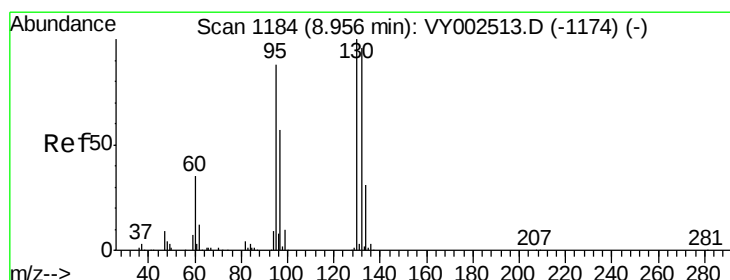
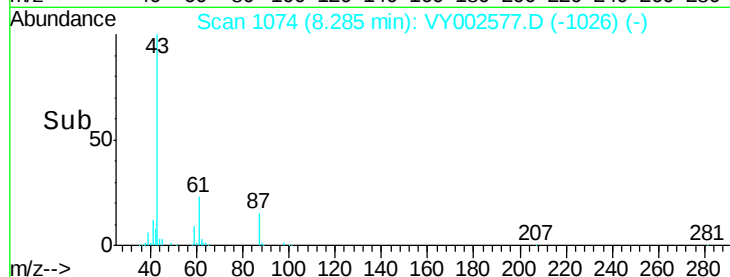
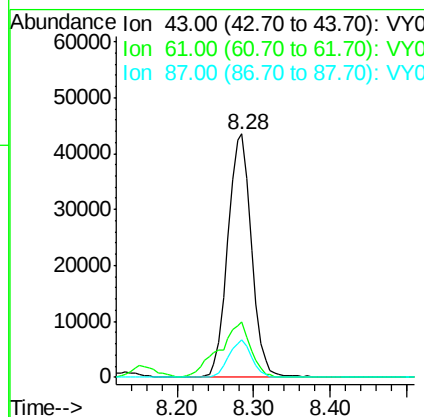
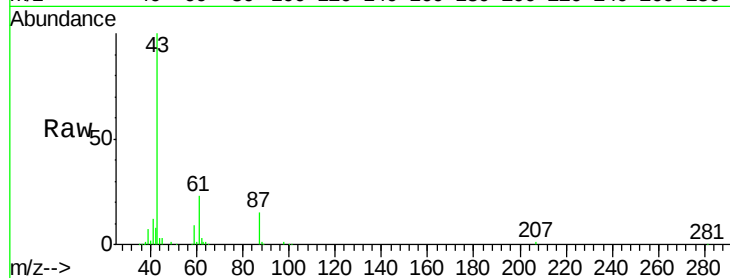
ClientSampleId :

VY0505SBS01

Tot Ion:	43	Resp:	93008
Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.8	37.2
87	14.7	12.2	18.2

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 19.665 ug/l

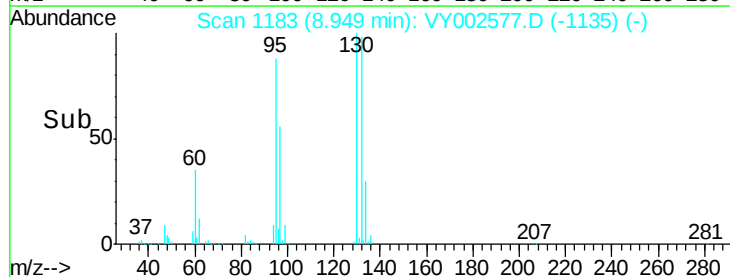
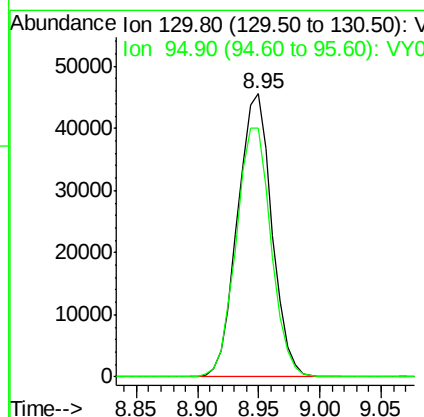
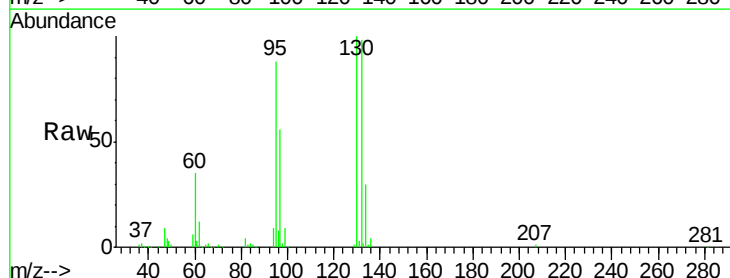
RT: 8.95 min Scan# 1183

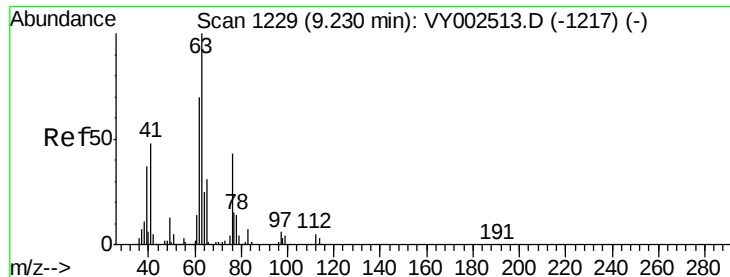
Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Tgt Ion:	130	Resp:	88700
Ion	Ratio	Lower	Upper
130	100		
95	88.1	0.0	175.8





#45

1,2-Dichloropropane

Concen: 19.785 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 63 Resp: 68917

Ion Ratio Lower Upper

63 100

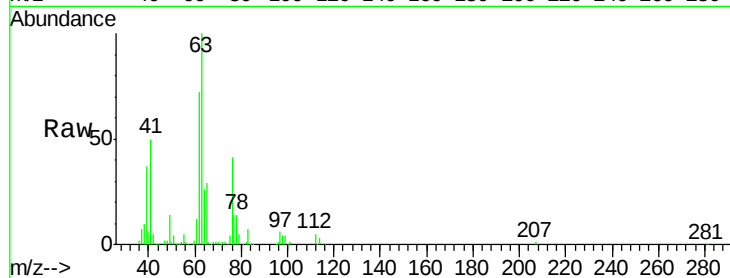
65 29.3 24.5 36.7

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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

9.22

40000

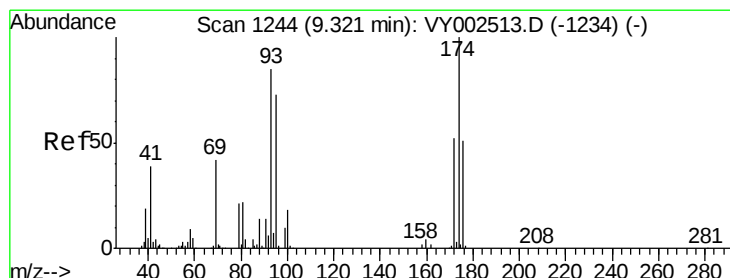
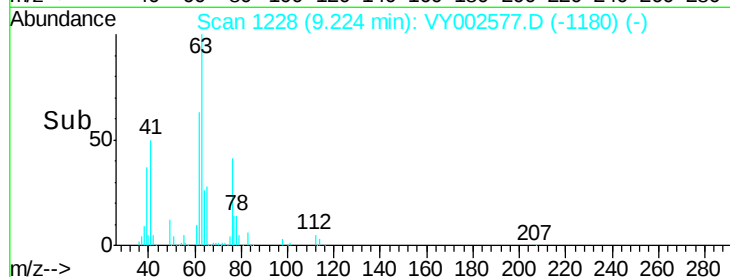
30000

20000

10000

0

Time--> 9.10 9.20 9.30



#46

Dibromomethane

Concen: 19.400 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

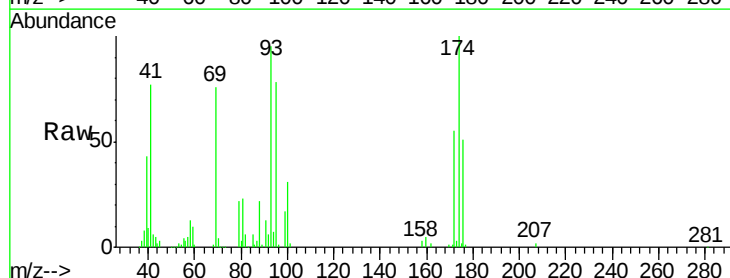
Tgt Ion: 93 Resp: 38881

Ion Ratio Lower Upper

93 100

95 84.7 67.0 100.4

174 114.5 92.7 139.1



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V

9.31

30000

25000

20000

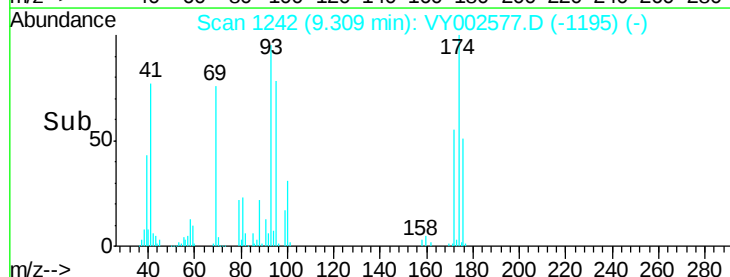
15000

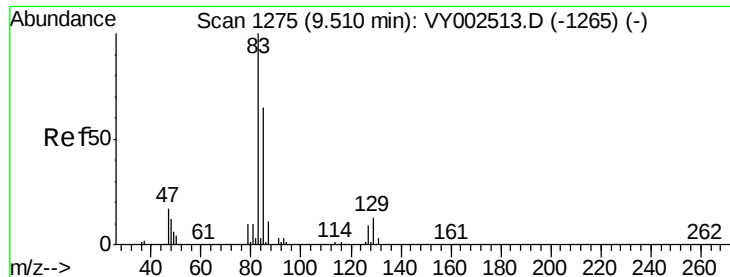
10000

5000

0

Time--> 9.25 9.30 9.35 9.40





#47

Bromodichloromethane

Concen: 19.514 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

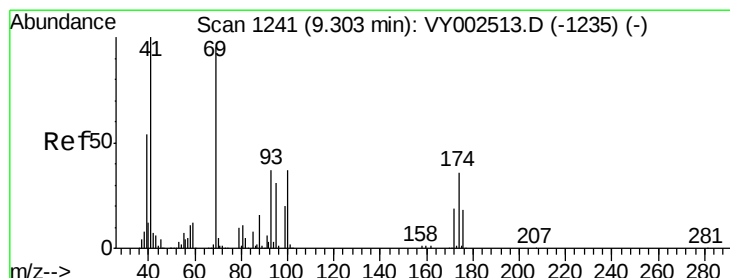
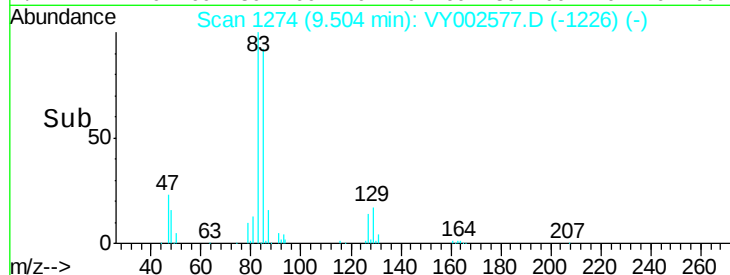
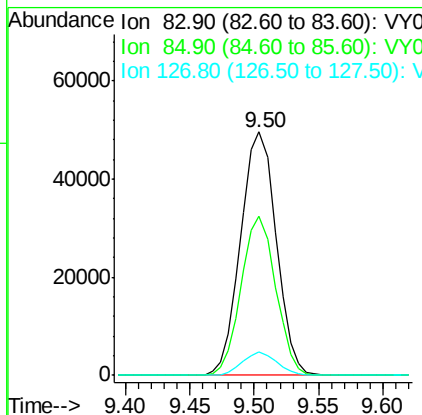
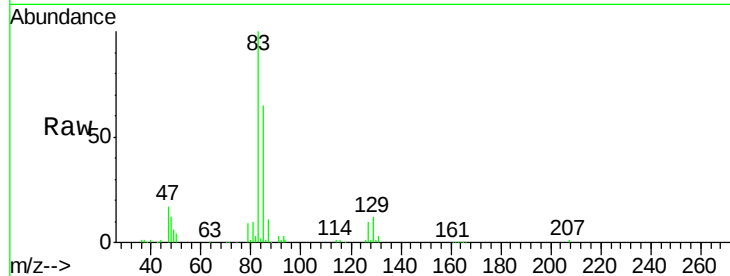
ClientSampleId :

VY0505SBS01

Tot Ion:	83	Resp:	95095
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8
127	9.6	7.4	11.0

Manual Integrations
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MMDadoda
5/6/2020 10:26:45 AM



#48

Methyl methacrylate

Concen: 18.946 ug/l

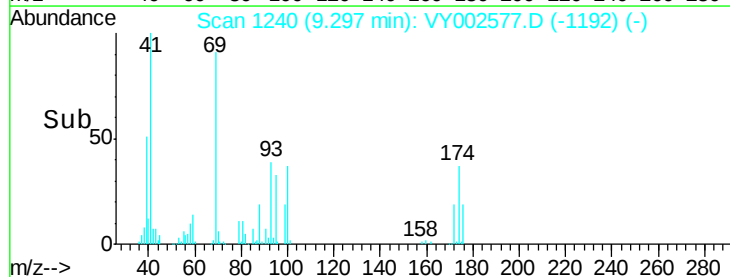
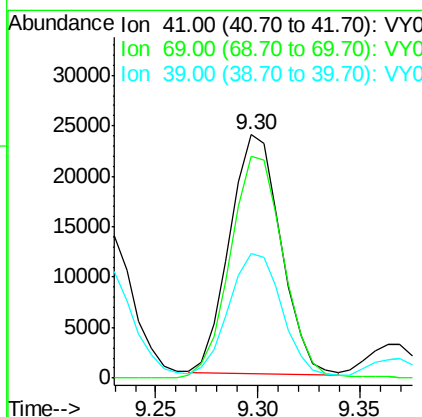
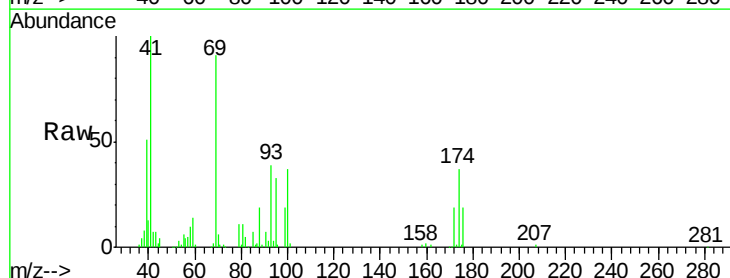
RT: 9.30 min Scan# 1240

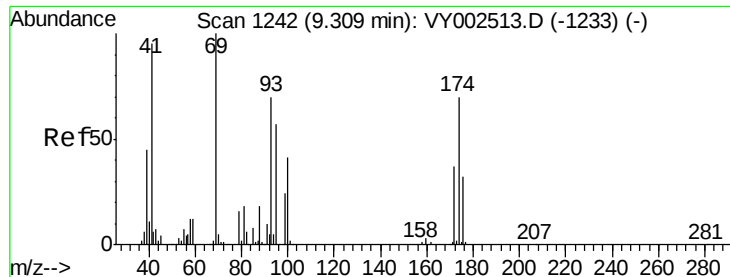
Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Tgt Ion:	41	Resp:	41277
Ion	Ratio	Lower	Upper
41	100		
69	96.7	76.2	114.4
39	55.1	42.7	64.1





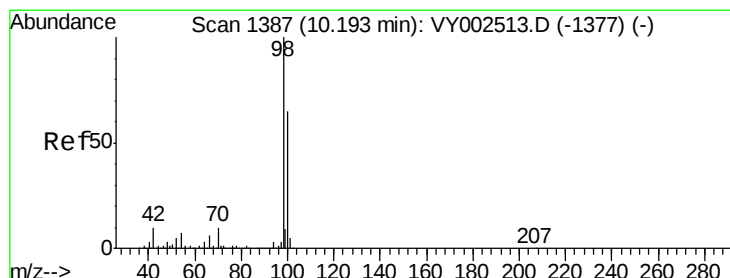
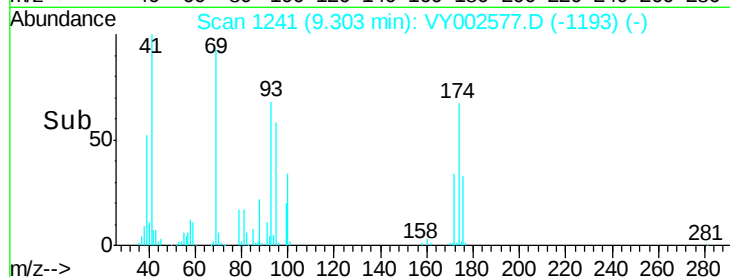
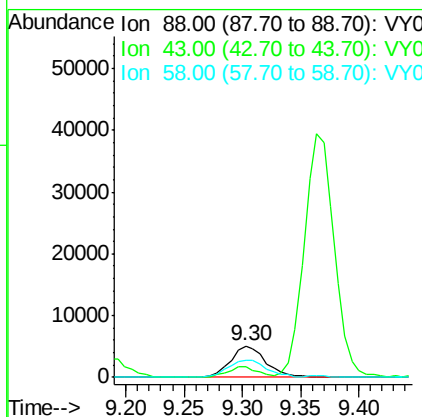
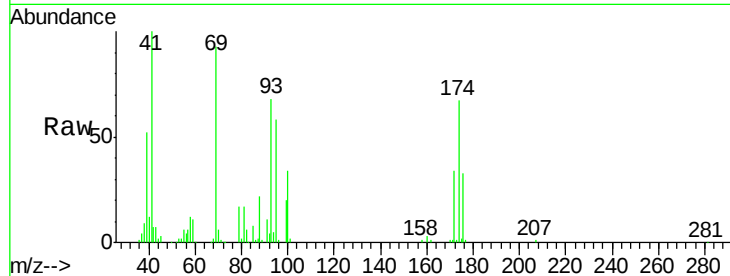
#49
1,4-Dioxane
Concen: 408.055 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	88	Resp	10828
Ion Ratio	Lower	Upper	
88	100		
43	29.7	22.8	34.2
58	60.1	51.4	77.2

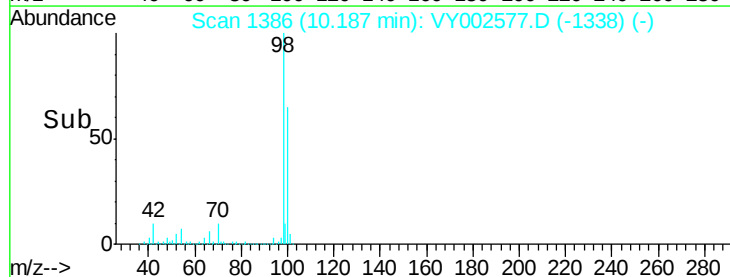
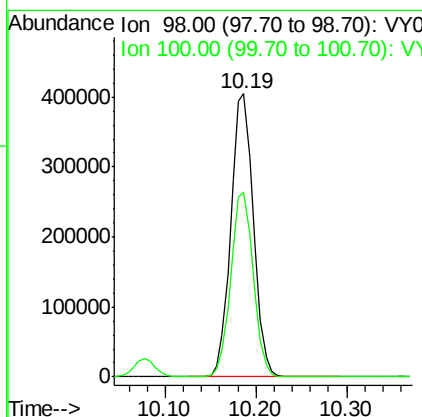
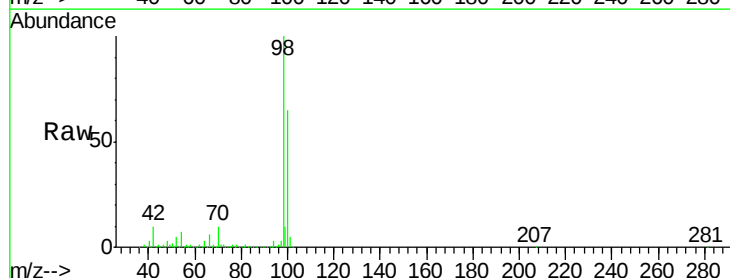
Manual Integrations
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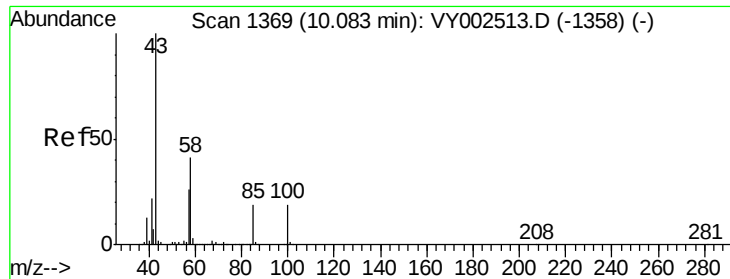
MMDadoda
5/6/2020 10:26:45 AM



#50
Toluene-d8
Concen: 52.891 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	98	Resp	704140
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 97.933 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion: 43 Resp: 243010

Ion Ratio Lower Upper

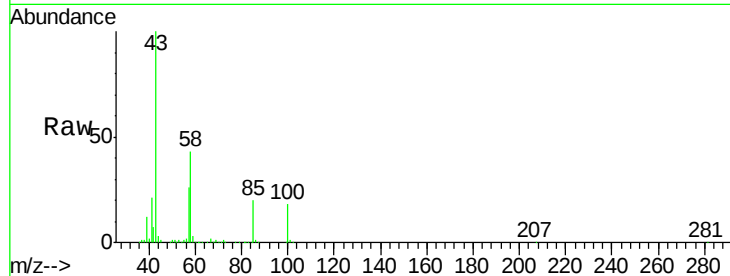
43 100

58 41.8 33.2 49.8

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

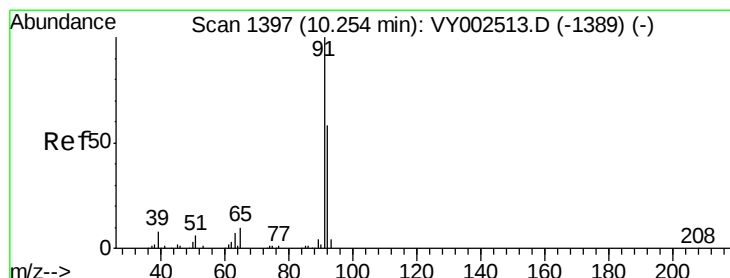
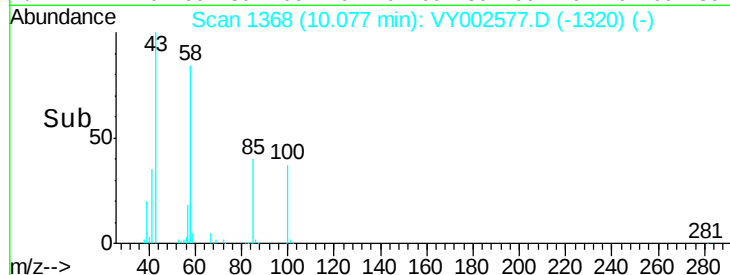
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.296 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY002577.D

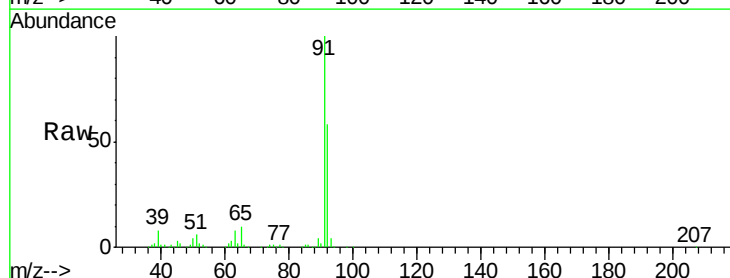
Acq: 05 May 2020 11:23

Tgt Ion: 92 Resp: 178984

Ion Ratio Lower Upper

92 100

91 172.3 139.3 208.9



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.25

200000

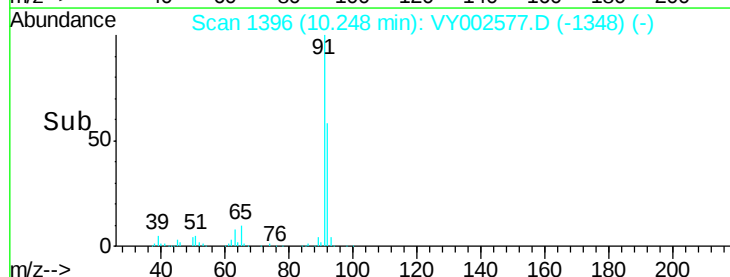
150000

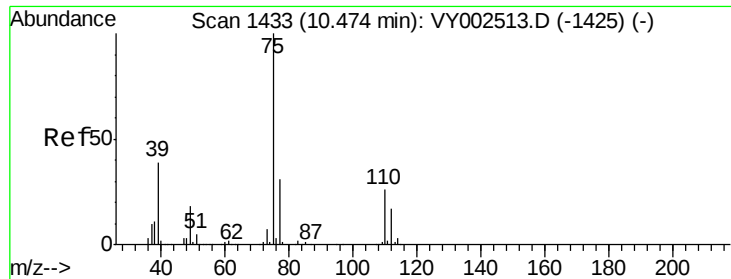
100000

50000

0

Time-->





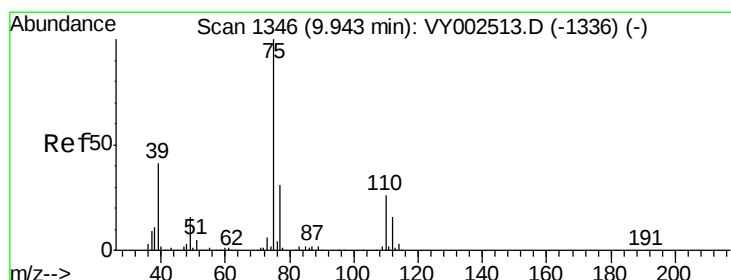
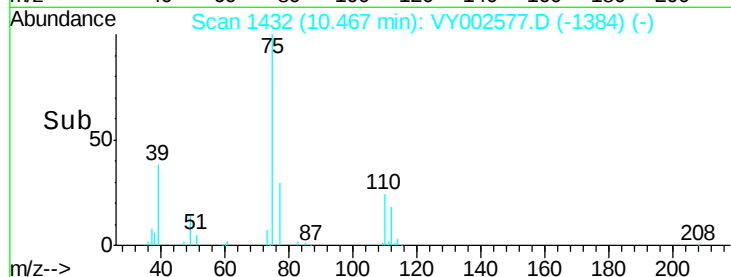
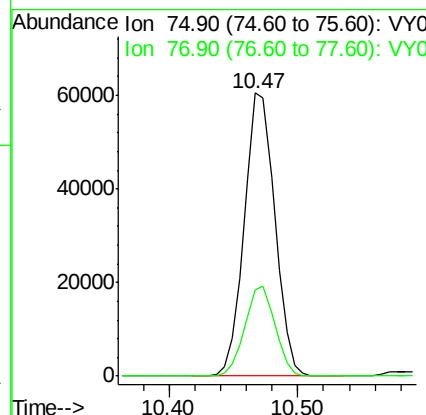
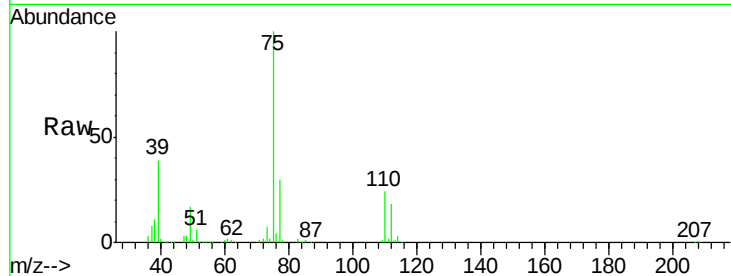
#53
t-1,3-Dichloropropene
Concen: 19.438 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.6

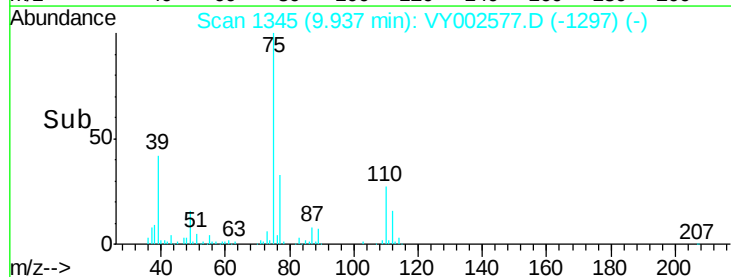
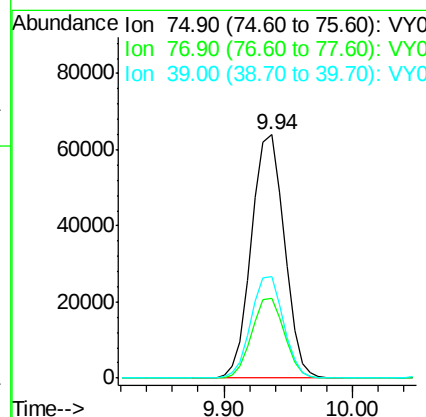
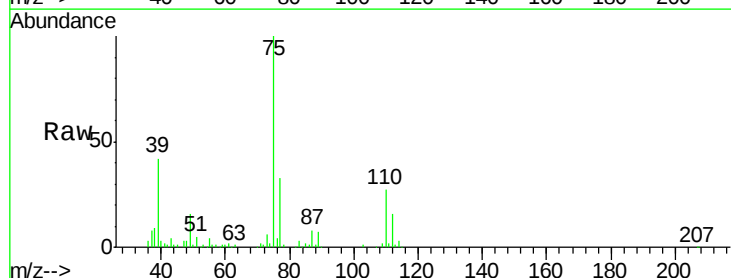
Manual Integrations
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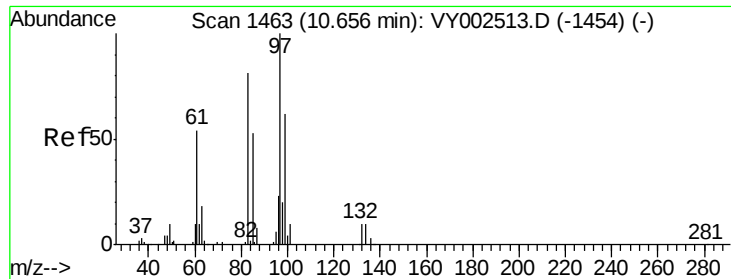
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.184 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.1	37.7
39	41.9	32.7	49.1





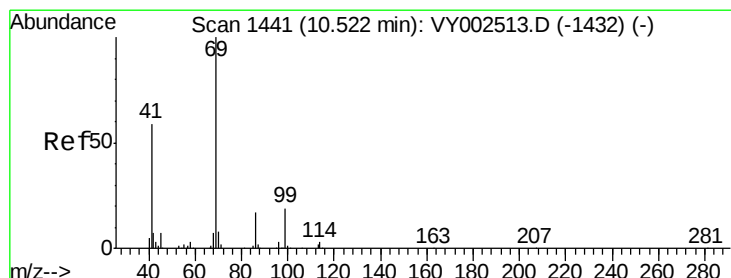
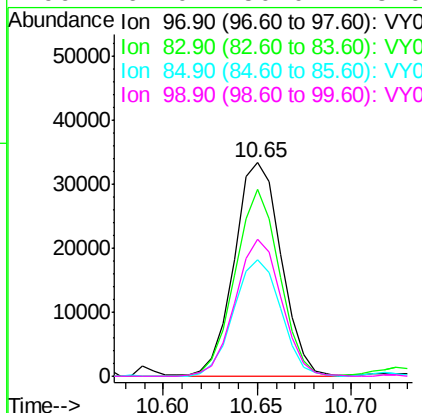
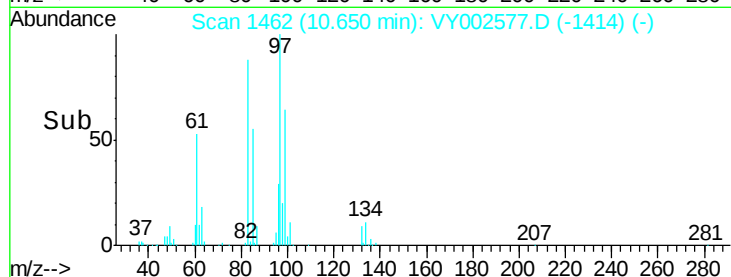
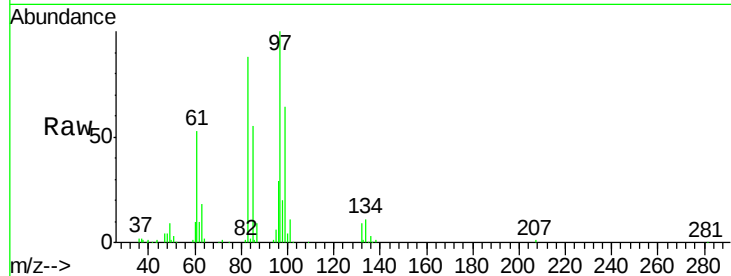
#55
 1,1,2-Trichloroethane
 Concen: 19.723 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion:	97	Resp:	57643
Ion	Ratio	Lower	Upper
97	100		
83	87.3	65.1	97.7
85	54.6	42.7	64.1
99	64.0	50.0	75.0

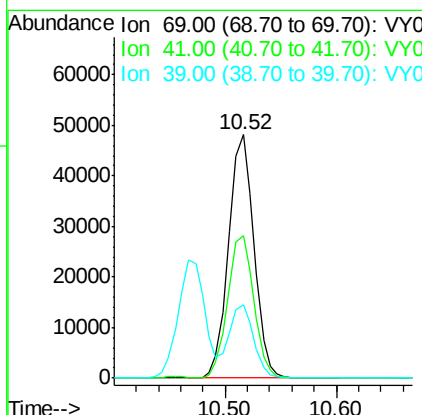
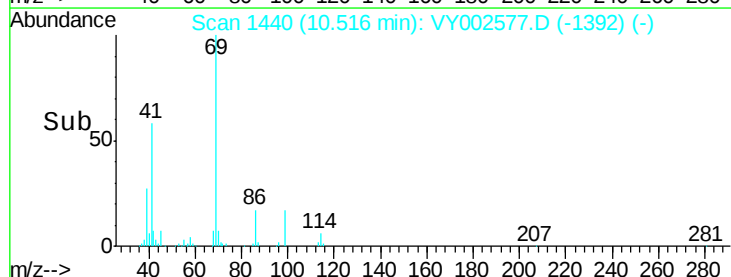
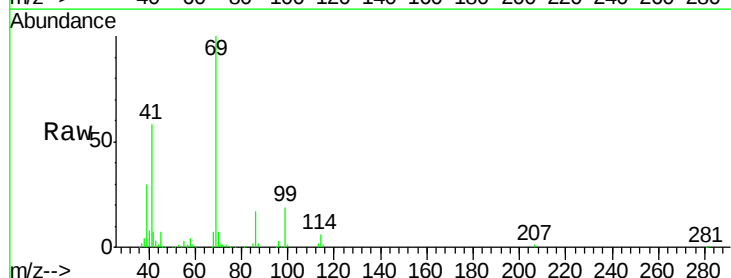
Manual Integrations
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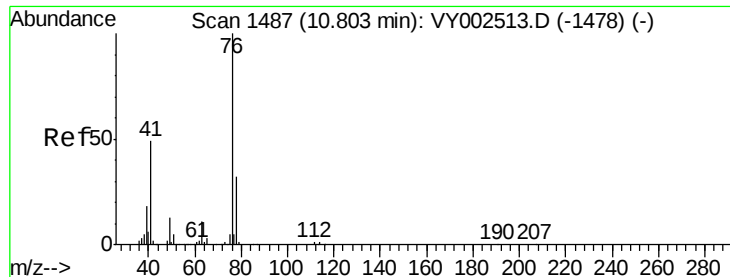
MMDadoda
 5/6/2020 10:26:45 AM



#56
 Ethyl methacrylate
 Concen: 19.637 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Tgt Ion:	69	Resp:	76348
Ion	Ratio	Lower	Upper
69	100		
41	59.9	48.6	73.0
39	29.6	25.0	37.4





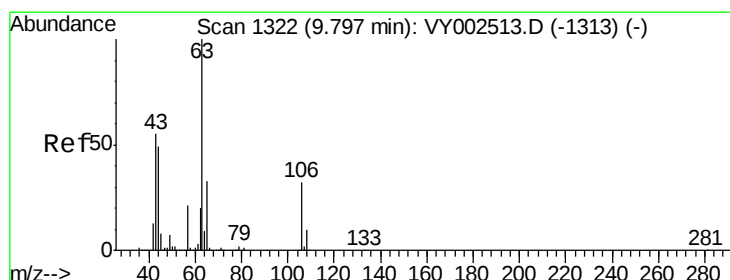
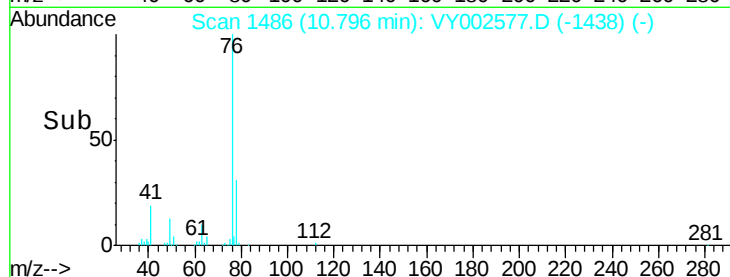
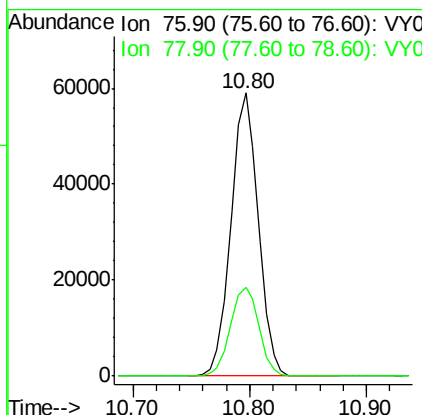
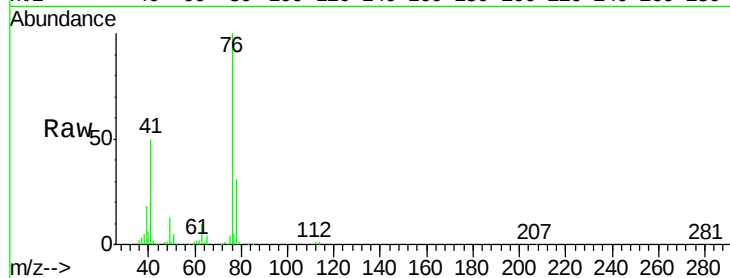
#57
 1,3-Dichloropropane
 Concen: 19.440 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.4	38.2

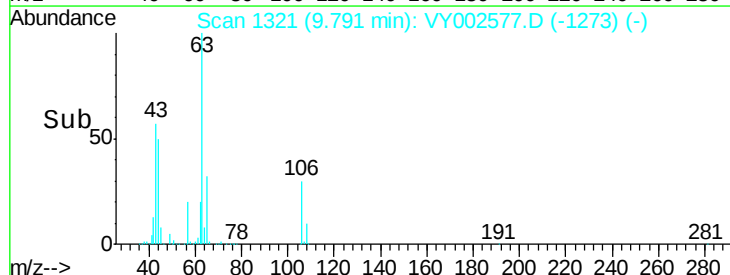
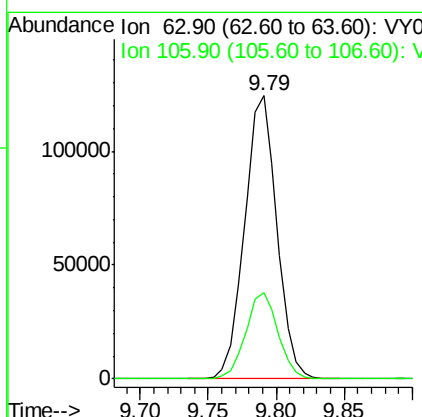
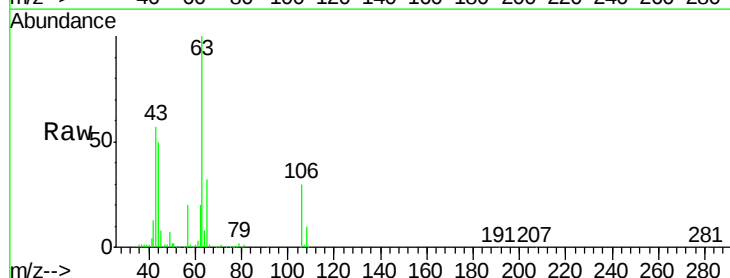
Manual Integrations
 APPROVED

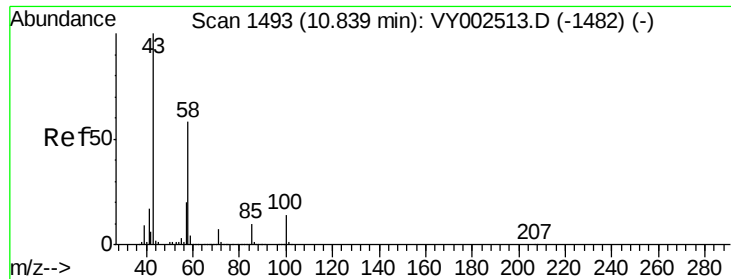
MMDadoda
 5/6/2020 10:26:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.527 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	25.2	37.8





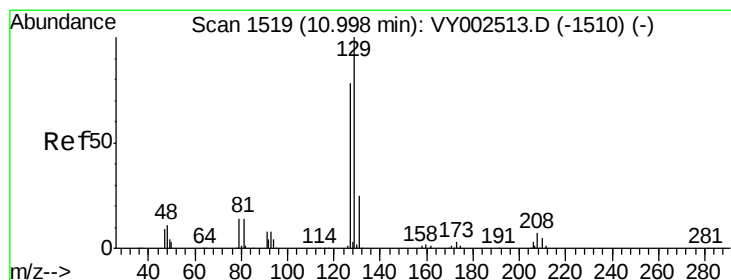
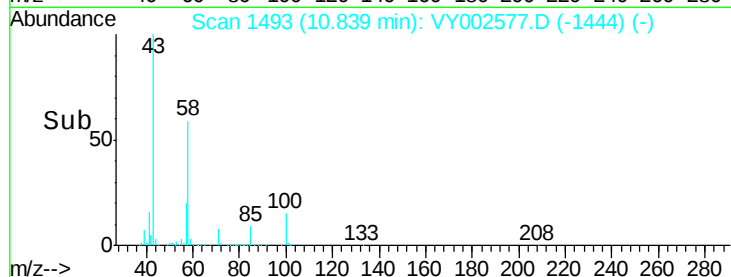
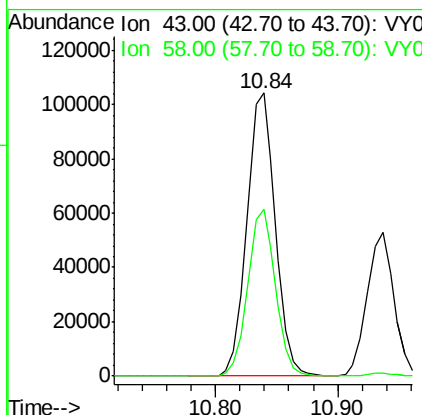
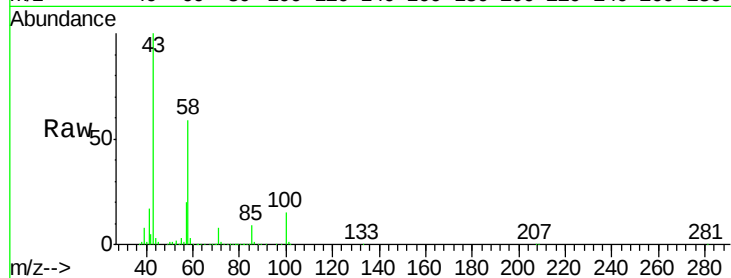
#59
2-Hexanone
Concen: 98.542 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.7	29.1	87.3

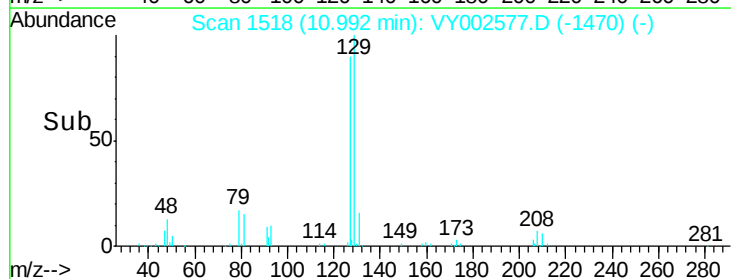
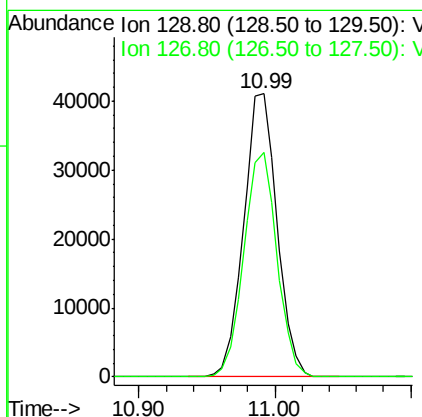
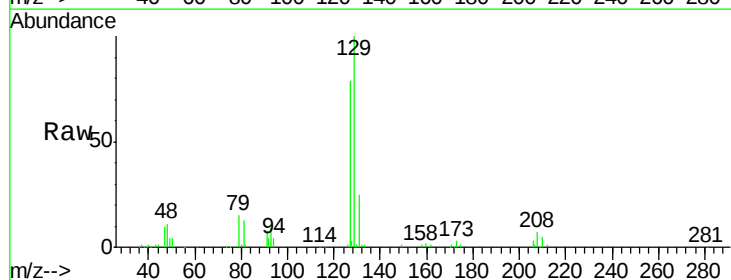
Manual Integrations
APPROVED

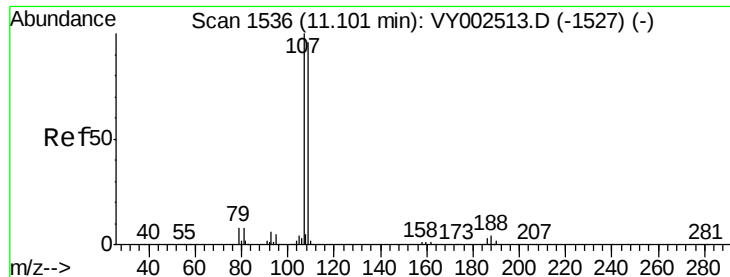
MMDadoda
5/6/2020 10:26:45 AM



#60
Dibromochloromethane
Concen: 19.011 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.0	117.0





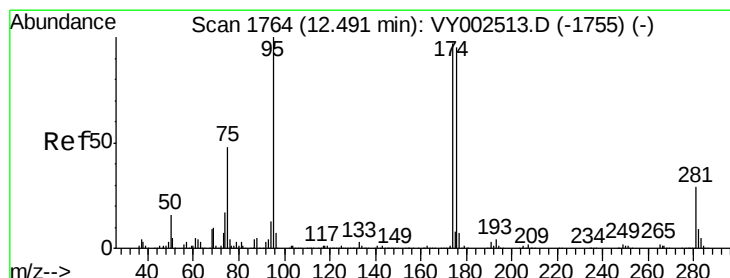
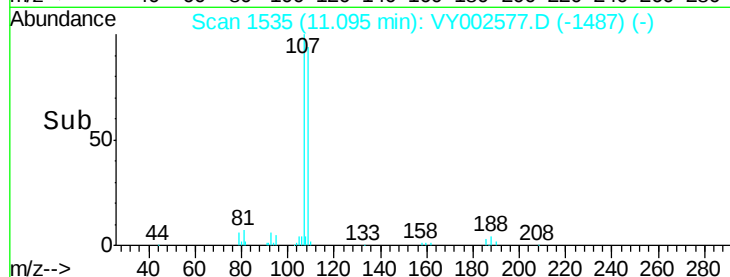
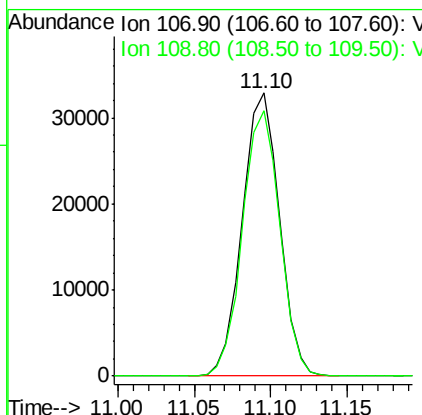
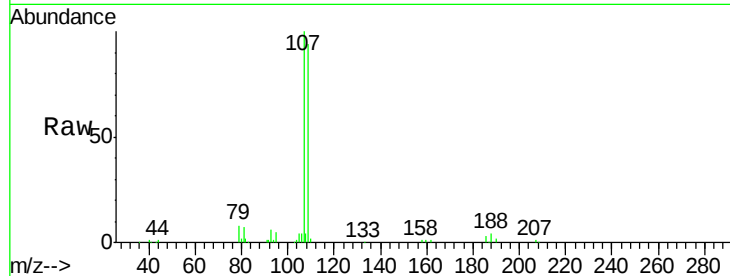
#61
 1,2-Dibromoethane
 Concen: 19.195 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.8	113.8

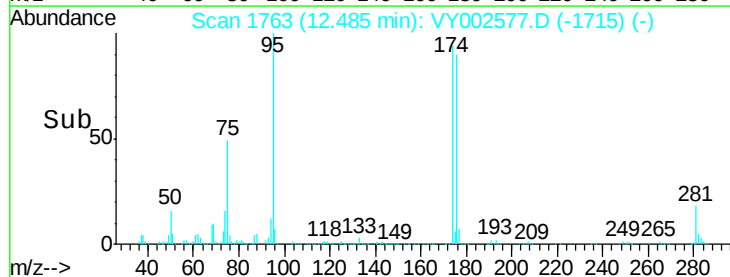
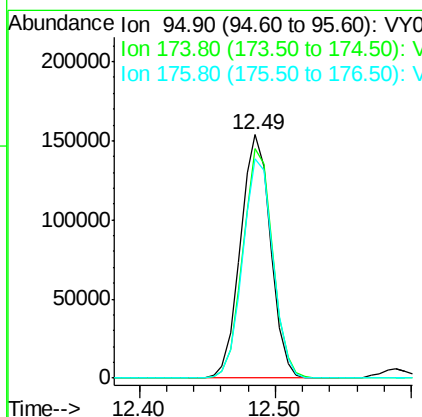
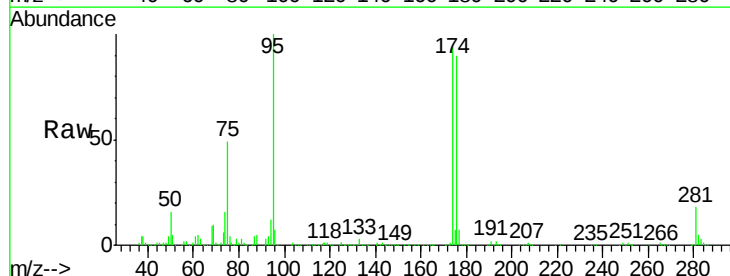
Manual Integrations
 APPROVED

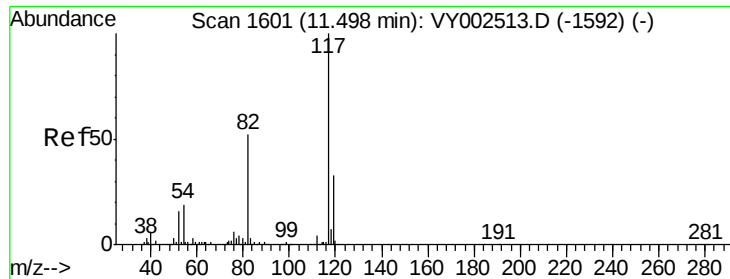
MMDadoda
 5/6/2020 10:26:45 AM



#62
 4-Bromofluorobenzene
 Concen: 52.580 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	188.8
176	90.8	0.0	183.2





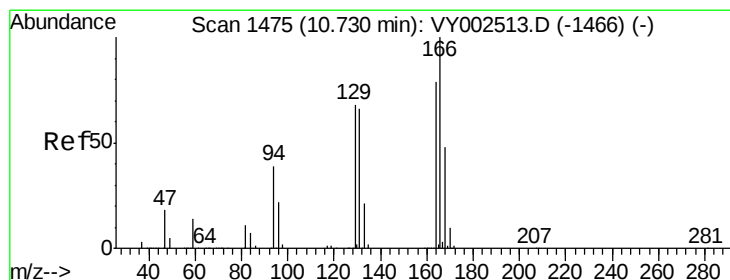
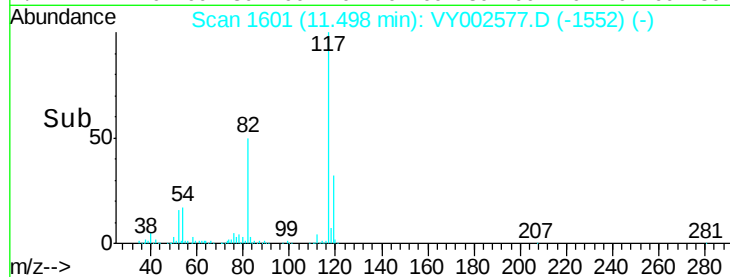
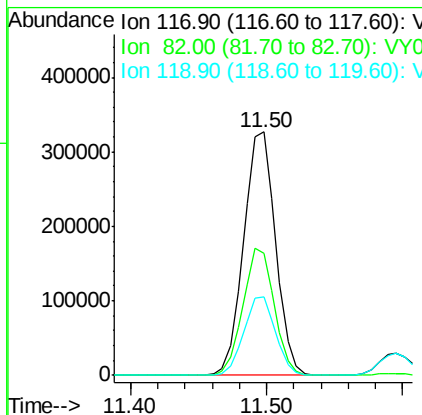
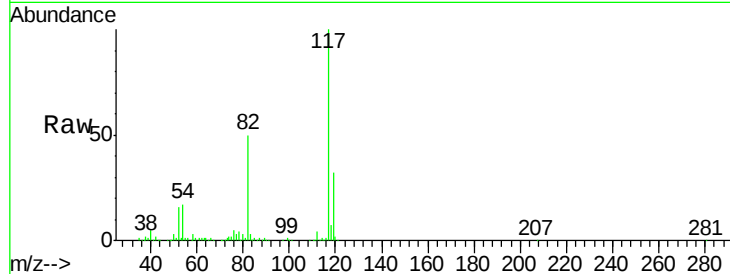
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	535511		
82	50.0	41.3	61.9	
119	32.3	26.0	39.0	

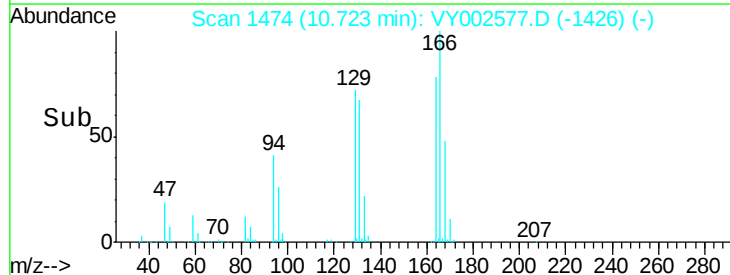
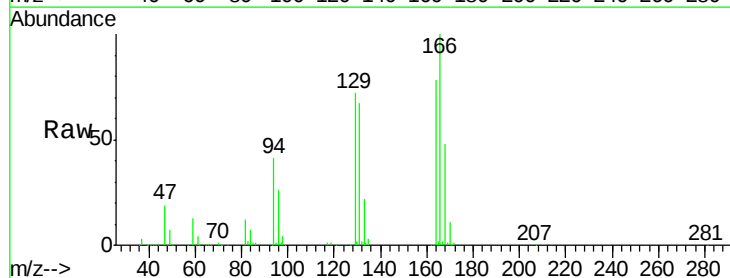
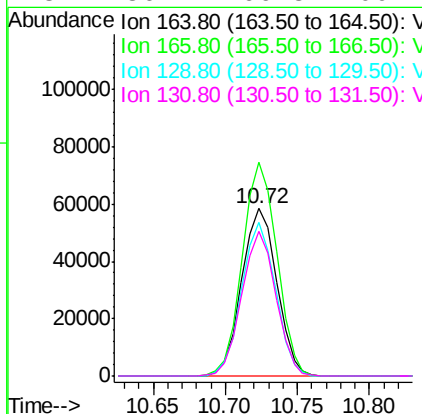
Manual Integrations
APPROVED

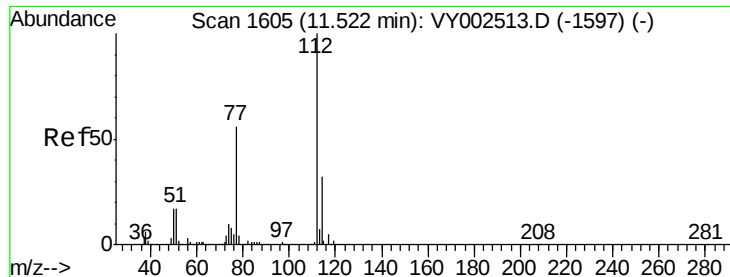
MMDadoda
5/6/2020 10:26:45 AM



#64
Tetrachloroethene
Concen: 20.725 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	98608		
166	127.8	100.7	151.1	
129	91.8	68.3	102.5	
131	86.2	66.8	100.2	





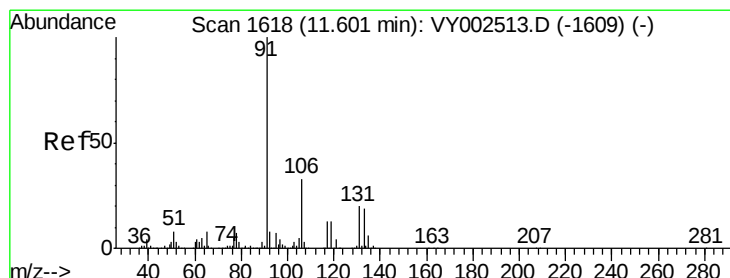
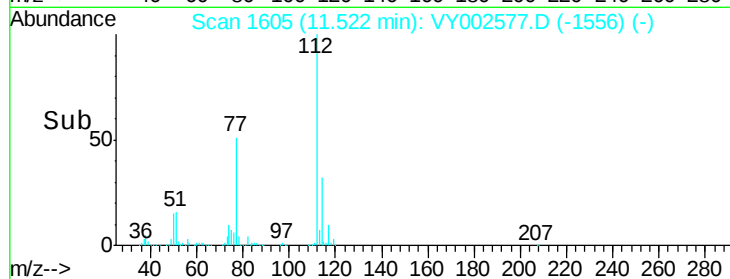
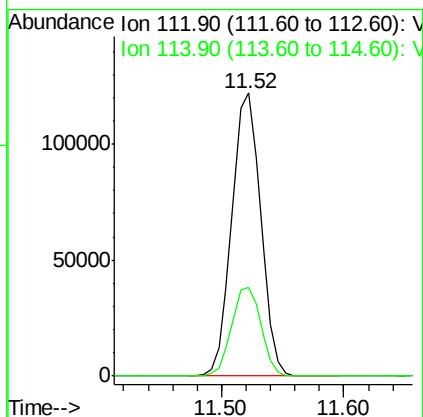
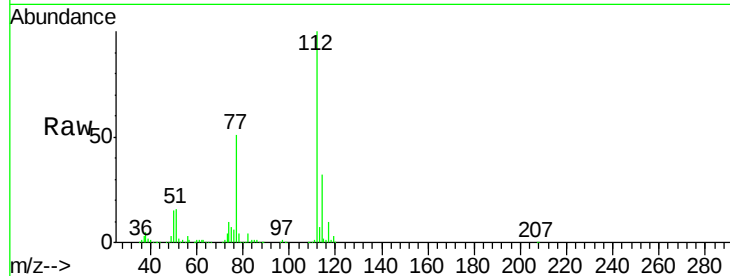
#65
Chlorobenzene
Concen: 19.593 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.6

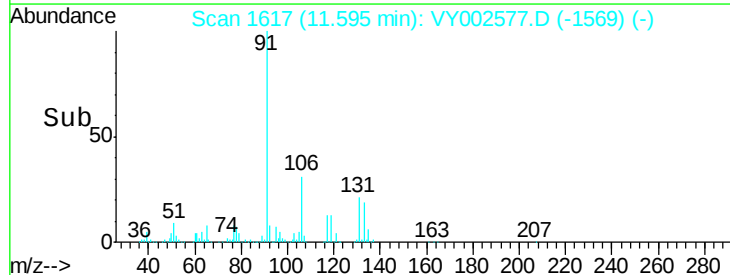
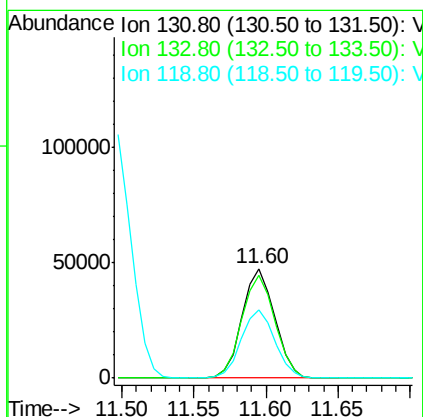
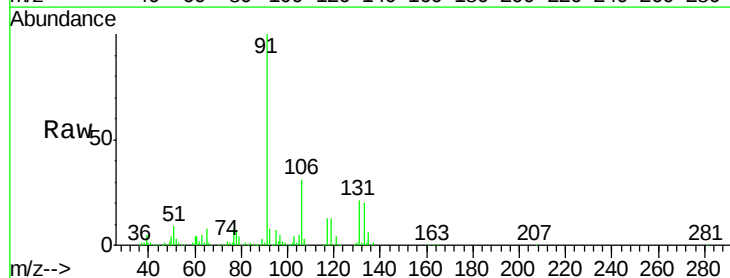
Manual Integrations
APPROVED

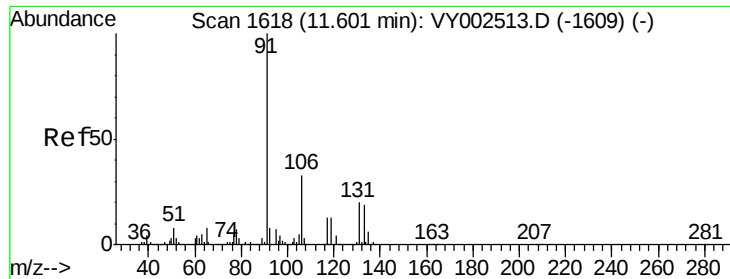
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.764 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.1	144.4
119	63.7	31.6	95.0





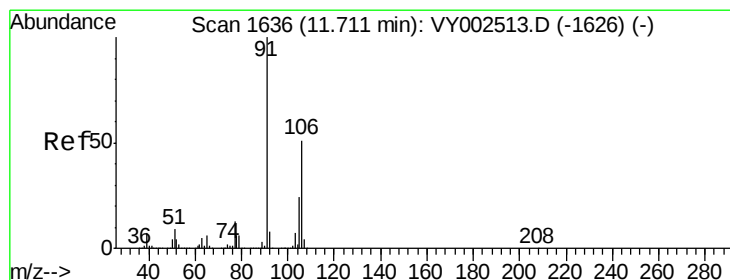
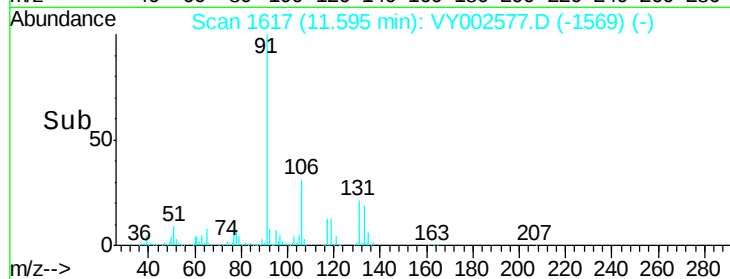
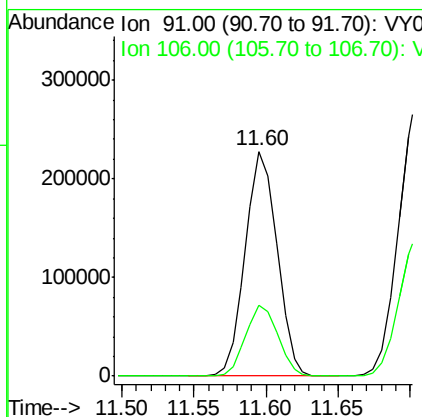
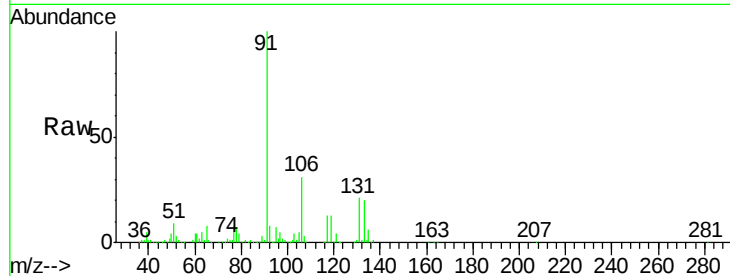
#67
Ethyl Benzene
Concen: 19.552 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.3	26.1	39.1

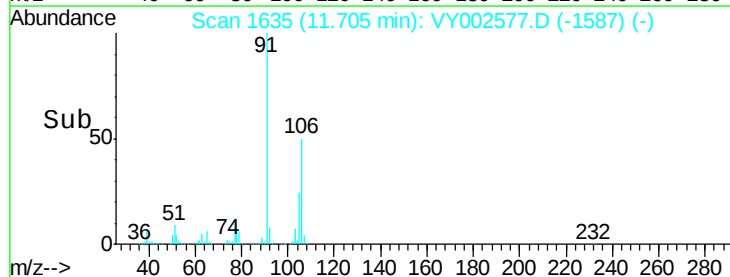
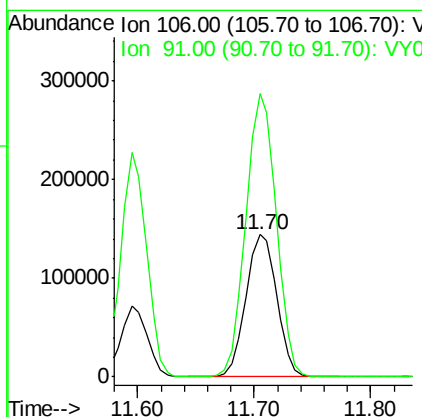
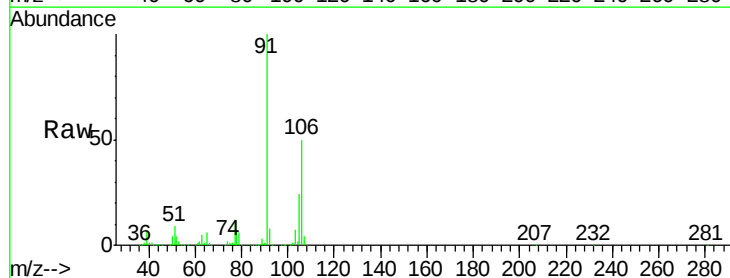
Manual Integrations
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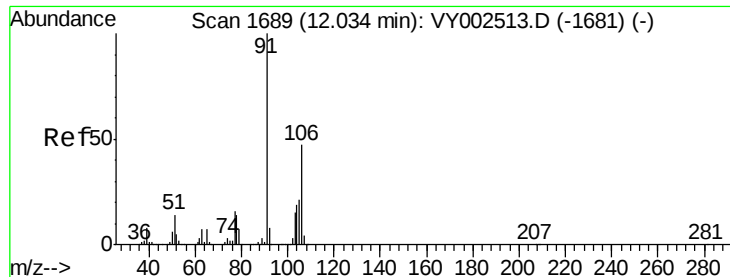
MMDadoda
5/6/2020 10:26:45 AM



#68
m/p-Xylenes
Concen: 38.683 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.1	155.2	232.8





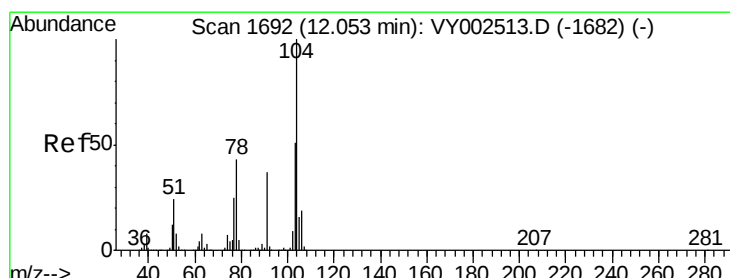
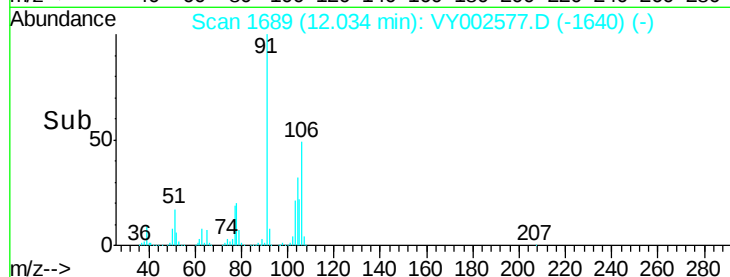
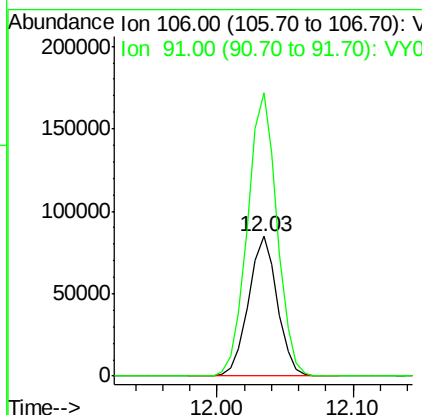
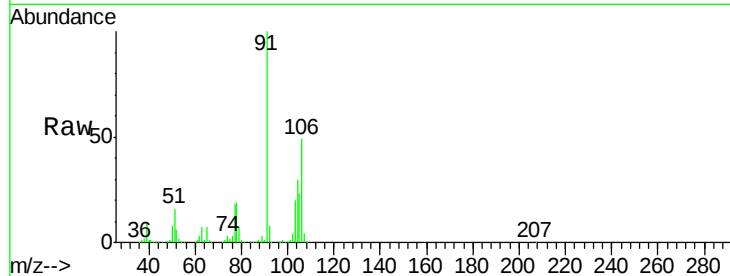
#69
o-Xylene
Concen: 19.456 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	126042		
91	91	207.4	103.8	311.3	

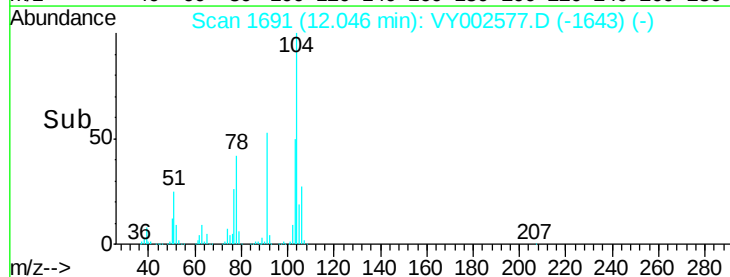
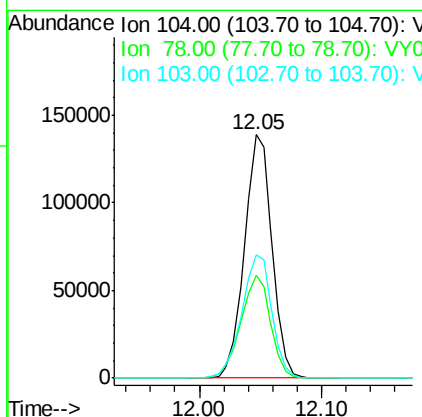
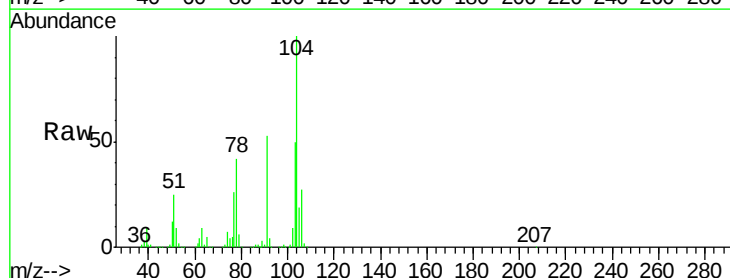
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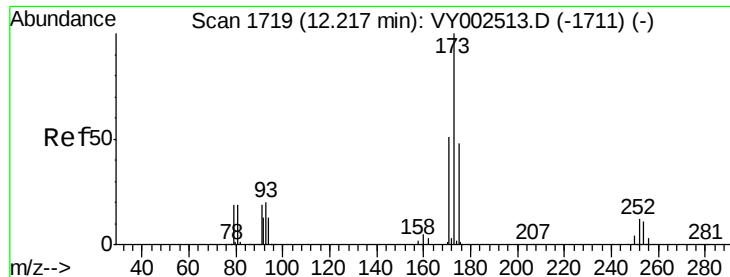
MMDadoda
5/6/2020 10:26:45 AM



#70
Styrene
Concen: 19.632 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	217423		
78	78	45.6	37.4	56.0	
103	103	55.1	43.9	65.9	





#71

Bromoform

Concen: 19.448 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

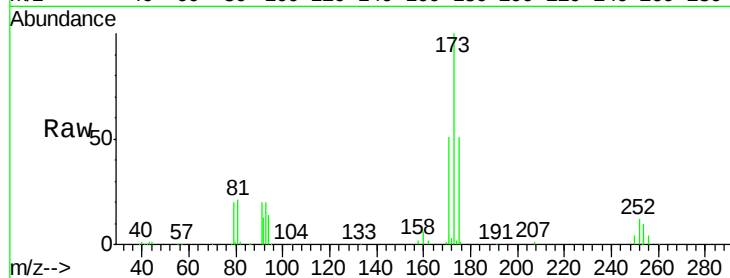
ClientSampleId :

VY0505SBS01

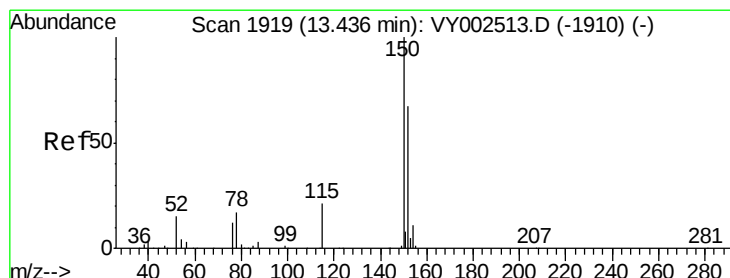
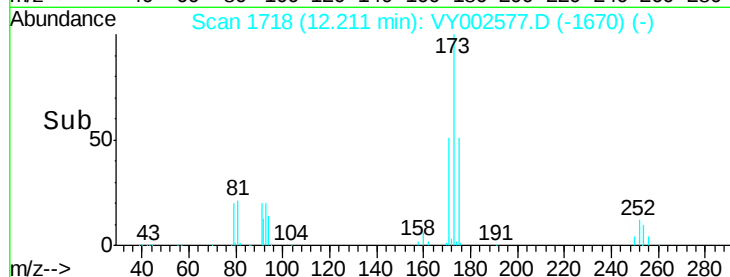
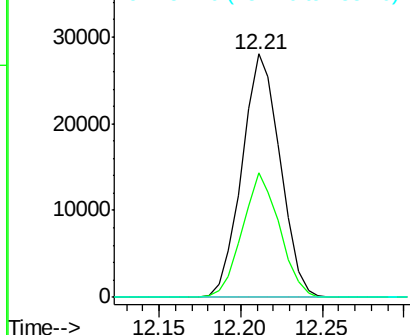
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.8
254	0.0	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

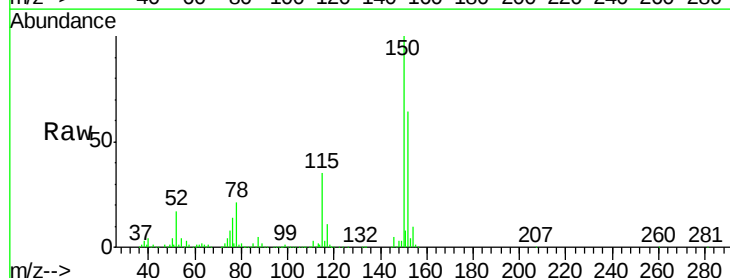
RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

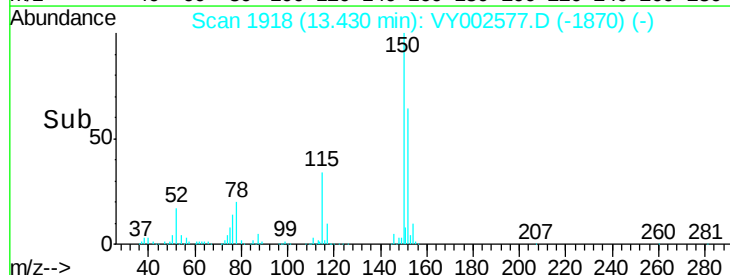
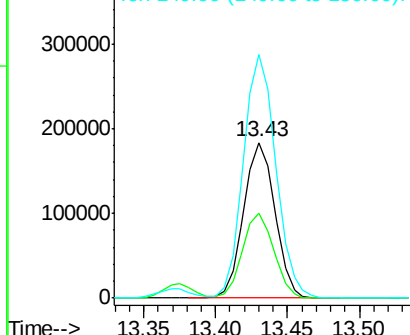
Lab File: VY002577.D

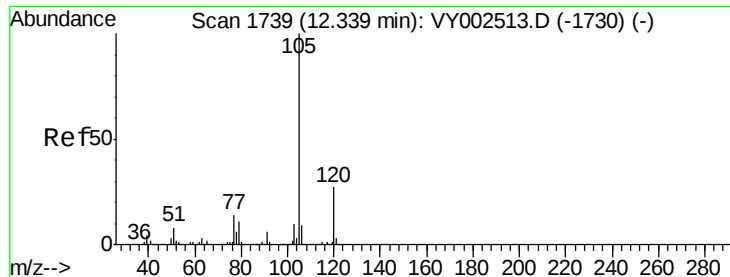
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.5	82.4
150	162.8	0.0	346.4



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





#73

Isopropylbenzene

Concen: 19.768 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion:105 Resp: 353254

Ion Ratio Lower Upper

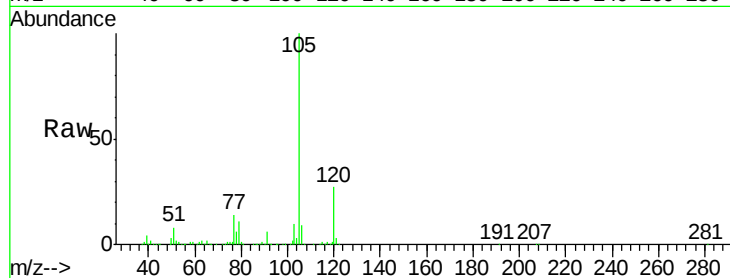
105 100

120 27.2 13.8 41.3

Manual Integrations
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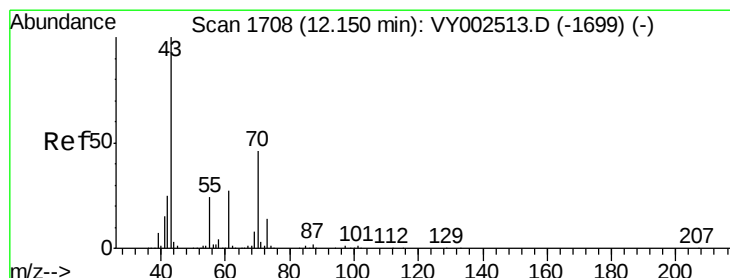
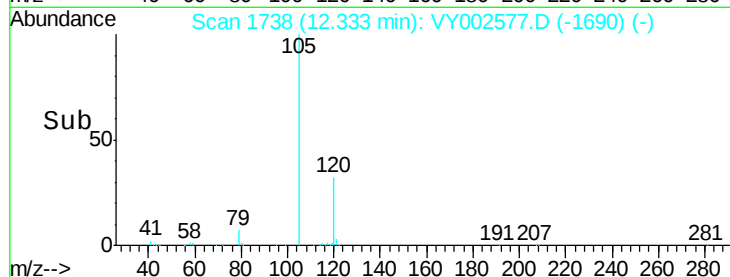
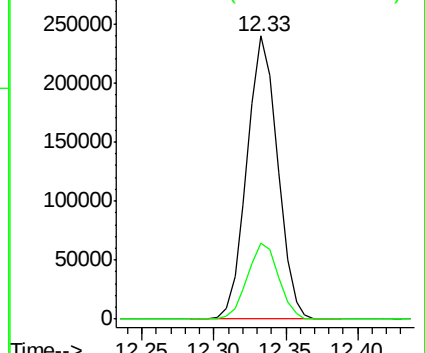
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.969 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Tgt Ion: 43 Resp: 85839

Ion Ratio Lower Upper

43 100

70 46.8 36.7 55.1

55 25.8 19.2 28.8

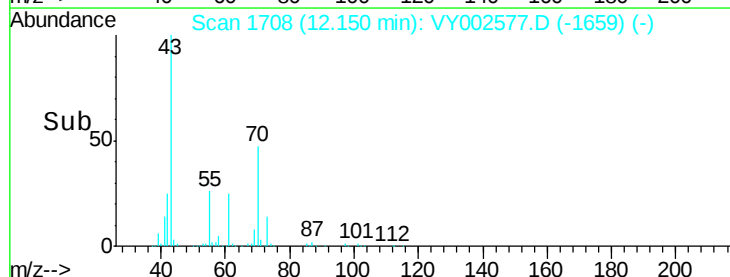
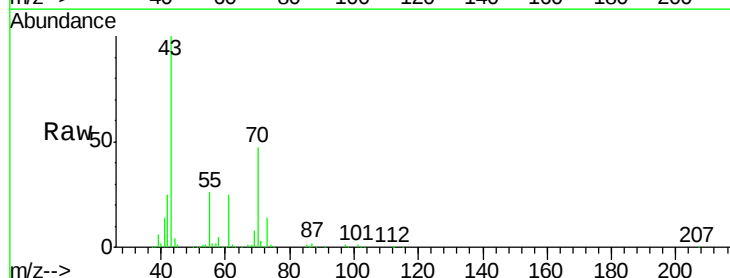
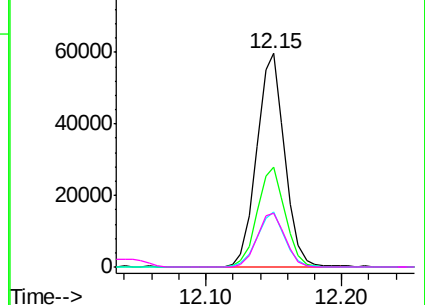
61 25.6 21.1 31.7

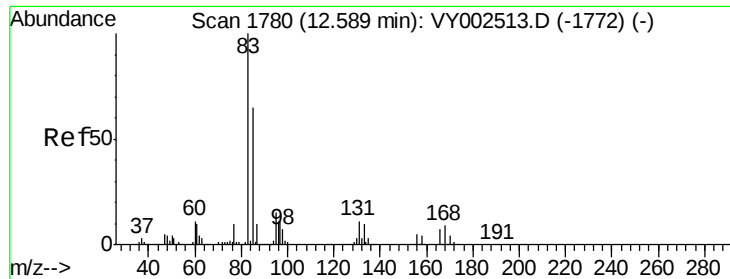
Abundance Ion 43.00 (42.70 to 43.70): VY0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 18.624 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

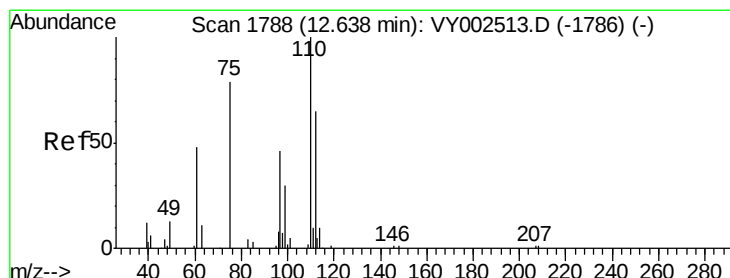
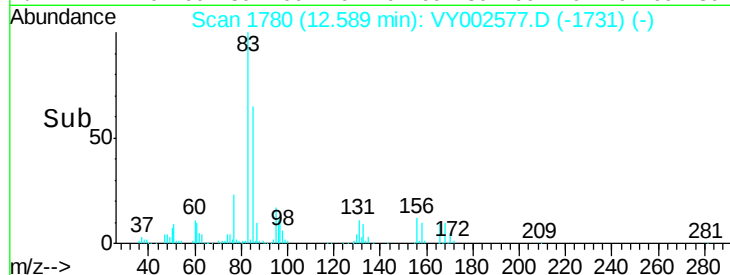
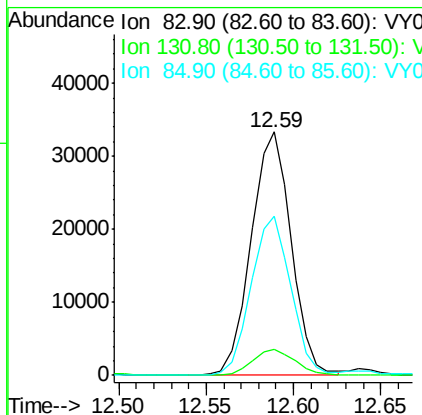
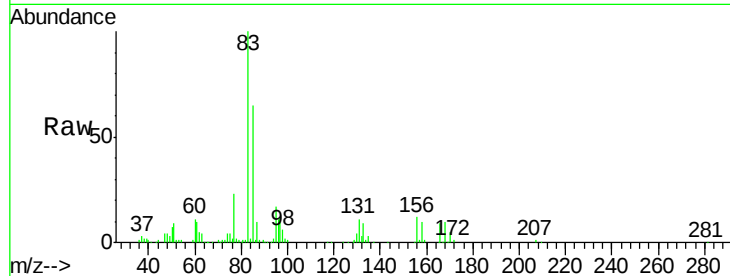
ClientSampleId :

VY0505SBS01

Tot Ion:	83	Resp:	52927
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.9	17.8
85	64.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.106 ug/l m

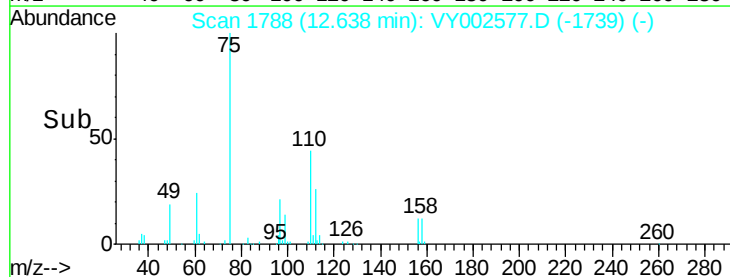
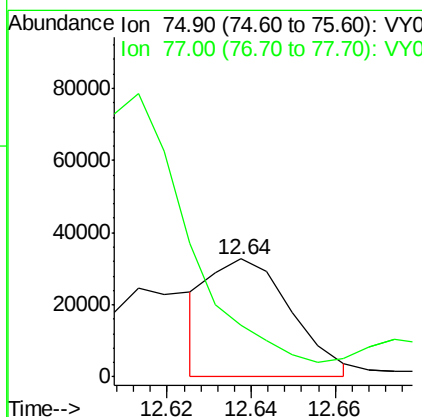
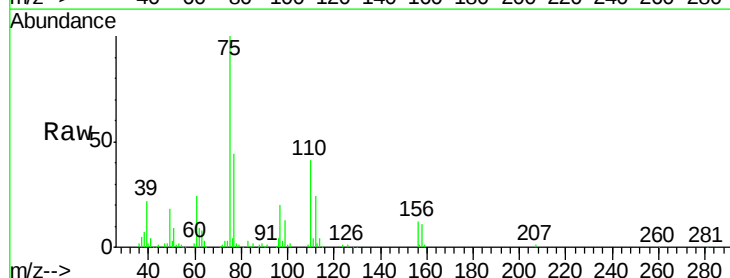
RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Tgt Ion:	75	Resp:	44364
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.506 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

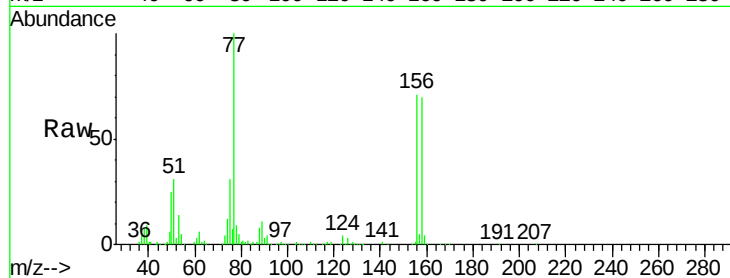
ClientSampleId :

VY0505SBS01

Tot Ion:	156	Resp:	87086
Ion	Ratio	Lower	Upper
156	100		
77	163.1	82.0	245.8
158	97.8	48.5	145.6

Manual Integrations
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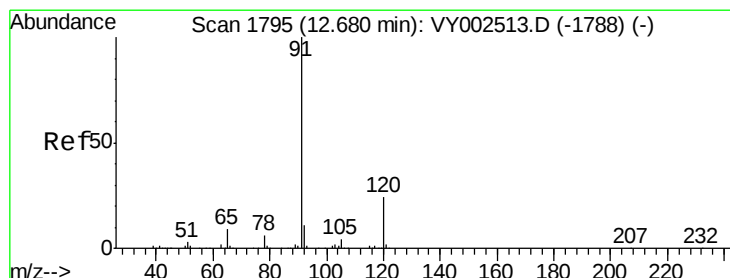
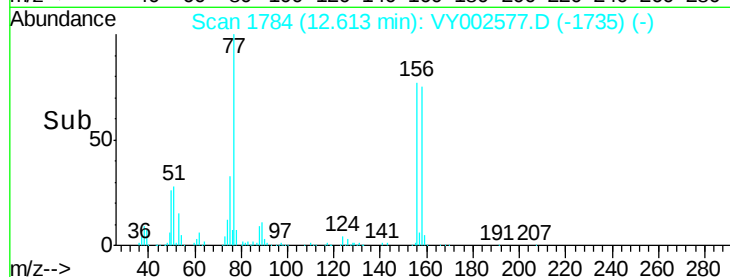
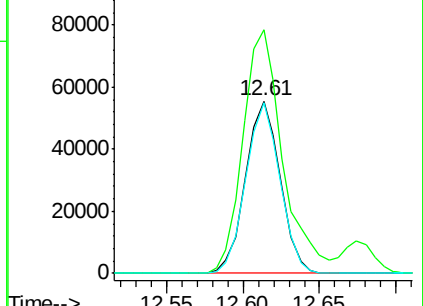
MMDadoda
5/6/2020 10:26:45 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.734 ug/l

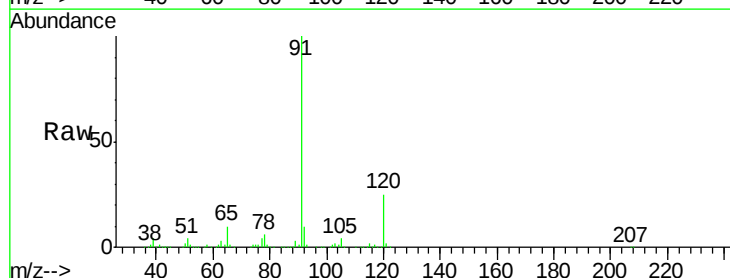
RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002577.D

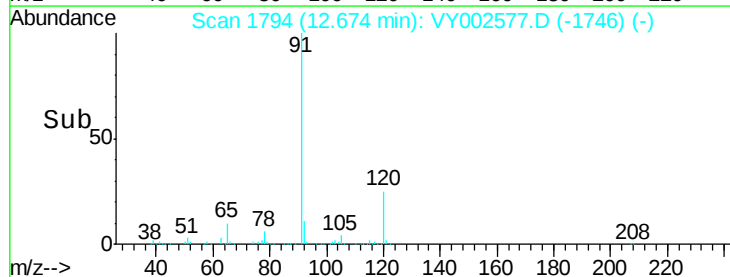
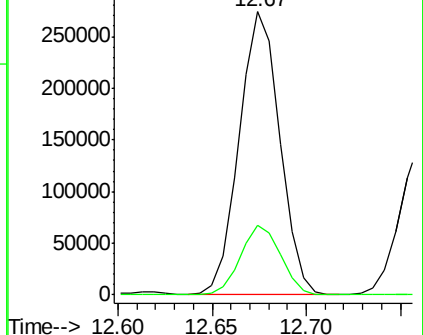
Acq: 05 May 2020 11:23

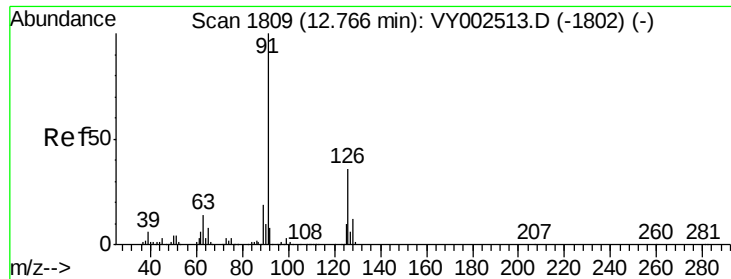
Tgt Ion:	91	Resp:	409239
Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.2	36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





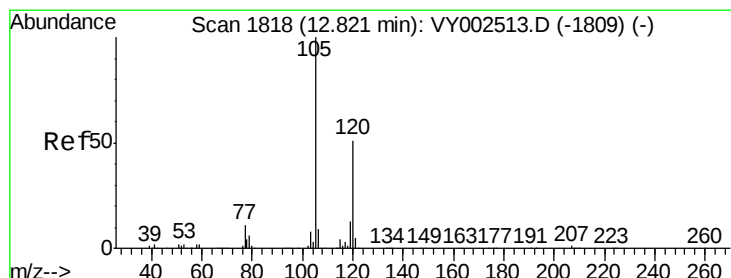
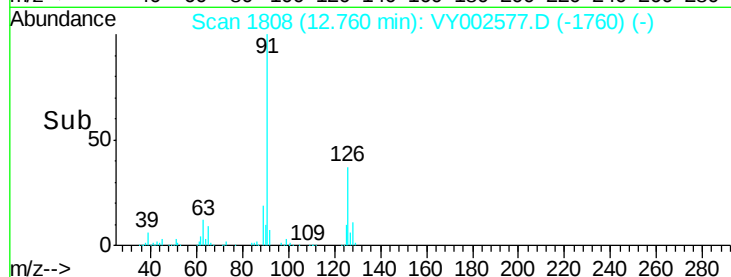
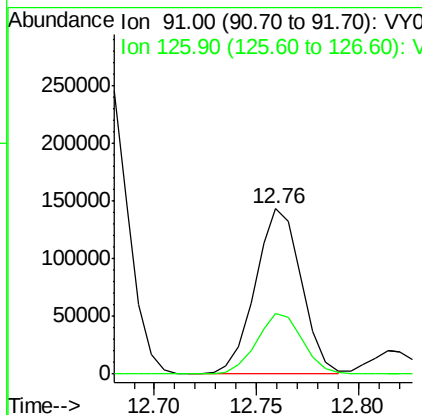
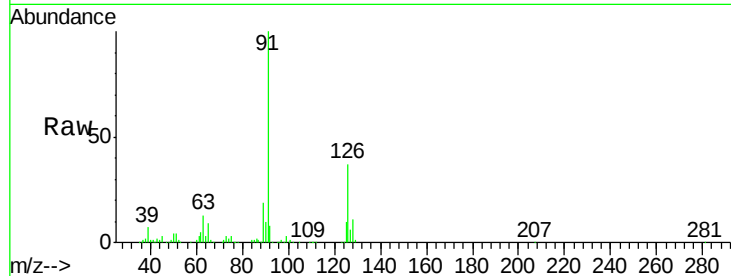
#79
 2-Chlorotoluene
 Concen: 19.567 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion: 91 Resp: 224770
 Ion Ratio Lower Upper
 91 100
 126 36.7 18.4 55.2

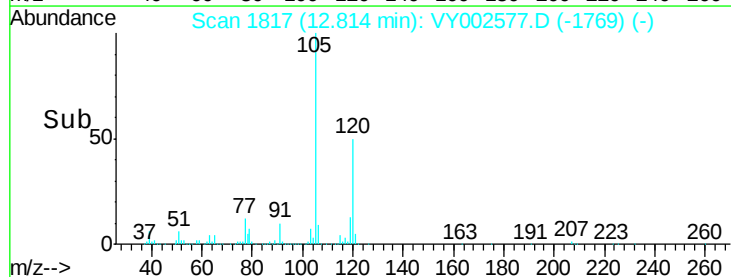
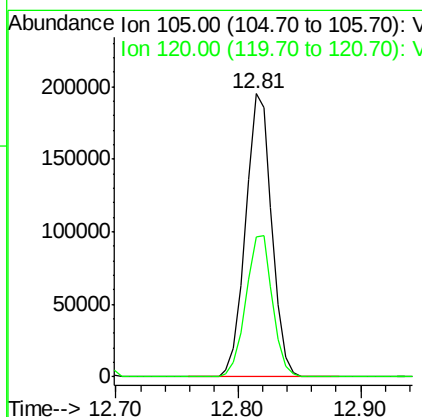
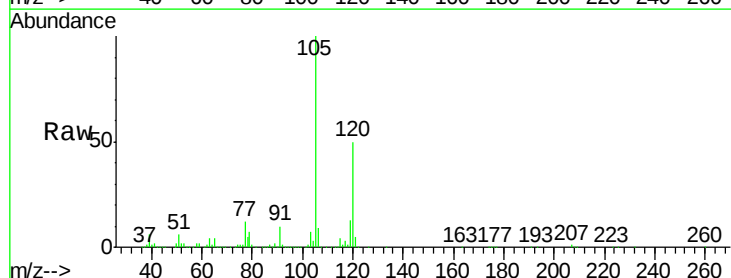
Manual Integrations
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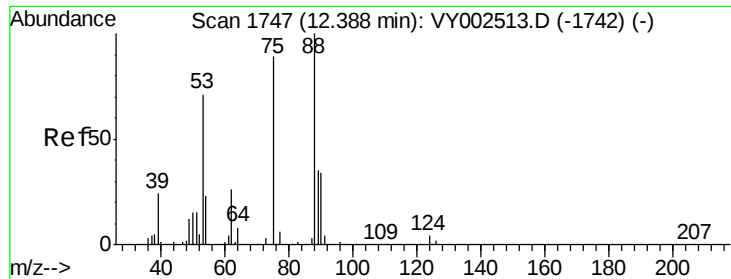
MMDadoda
 5/6/2020 10:26:45 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.504 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Tgt Ion: 105 Resp: 288909
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.3 75.9





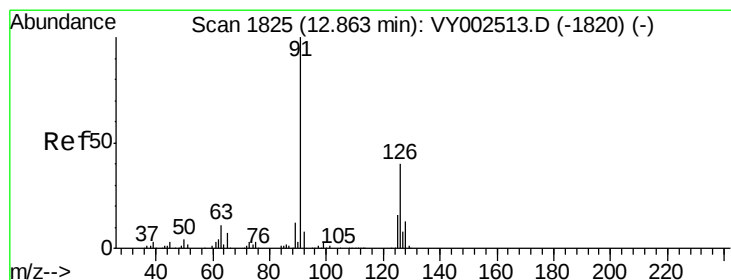
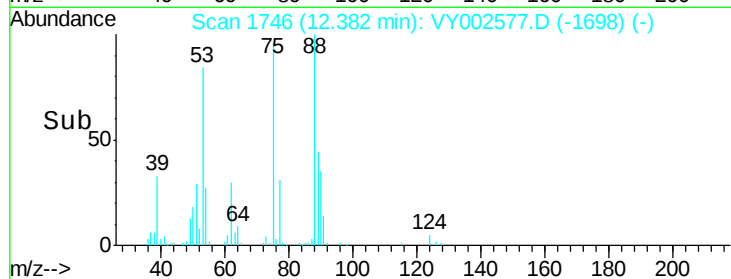
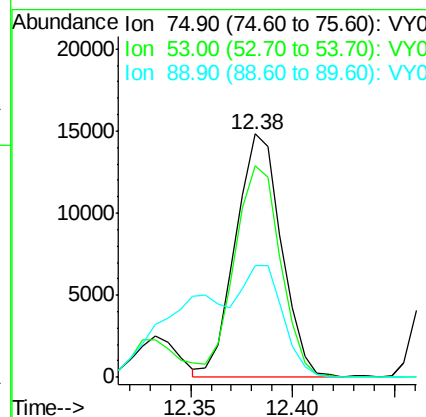
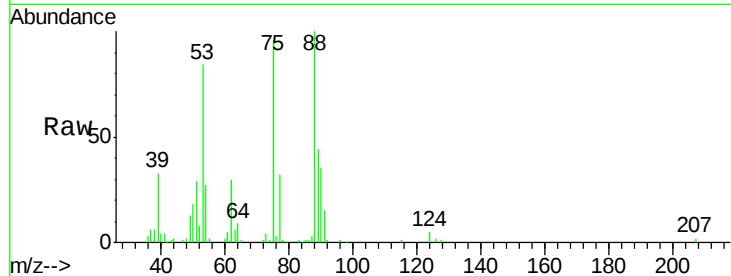
#81
trans-1,4-Dichloro-2-butene
Concen: 18.977 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.5	67.4	101.0
89	41.6	37.4	56.0

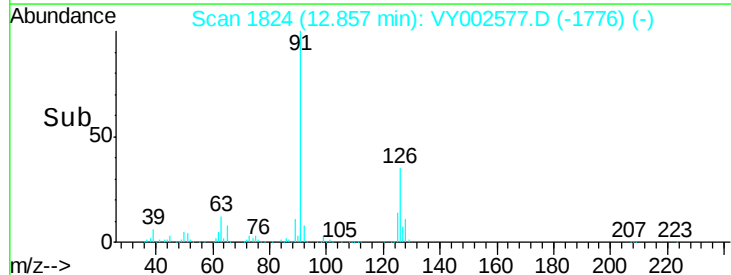
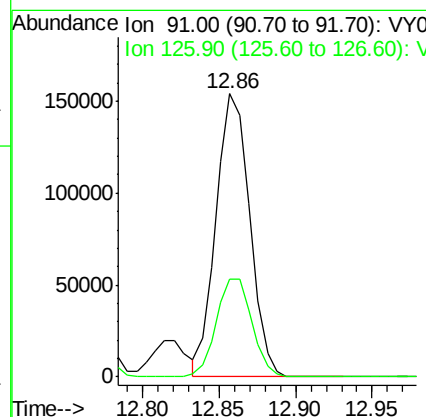
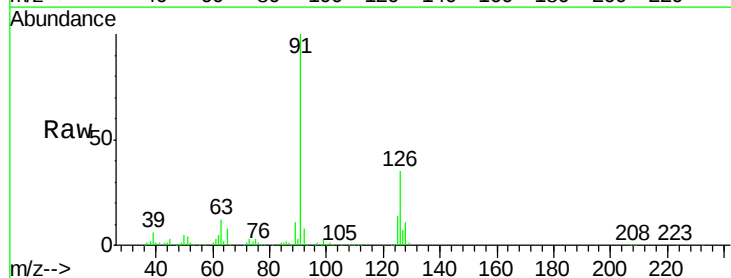
Manual Integrations
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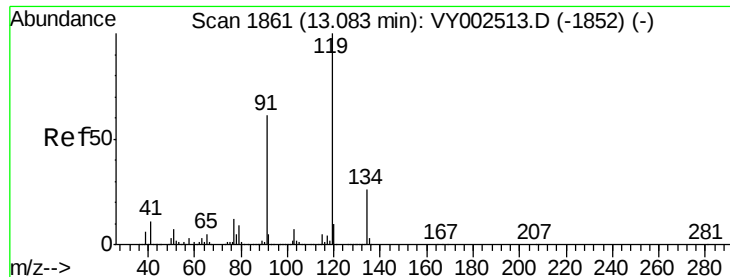
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.652 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.5	55.5





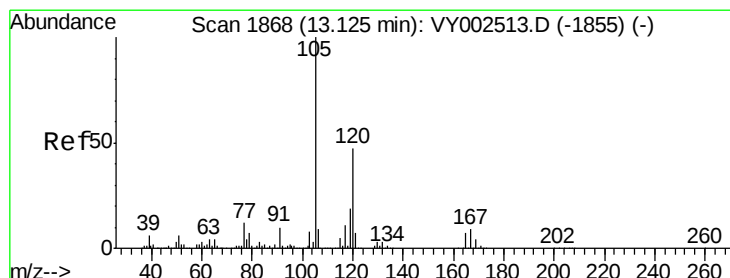
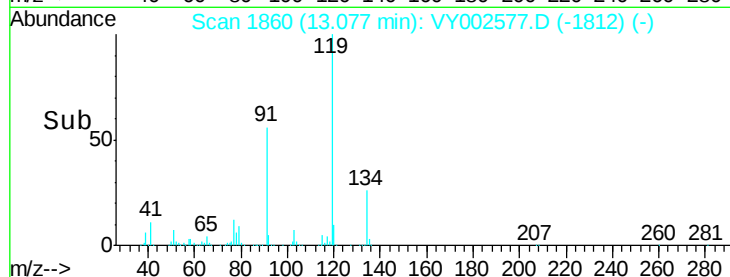
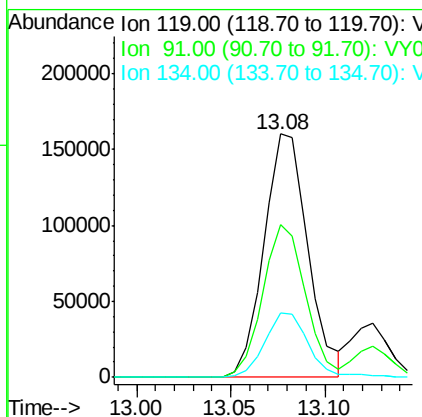
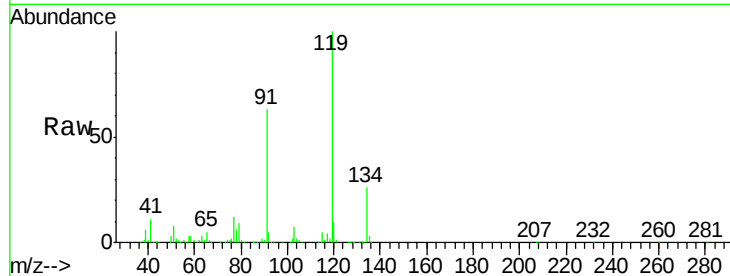
#83
tert-Butylbenzene
Concen: 19.935 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	258916		
91	61.1	30.6	91.6	
134	26.6	13.5	40.4	

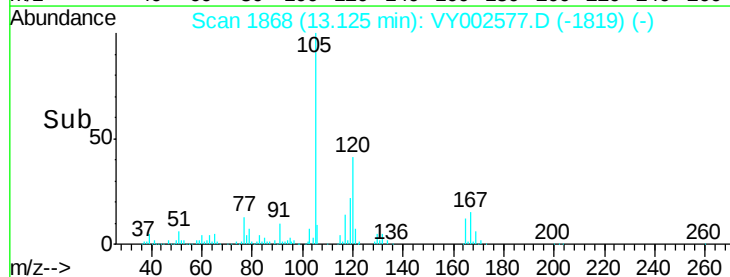
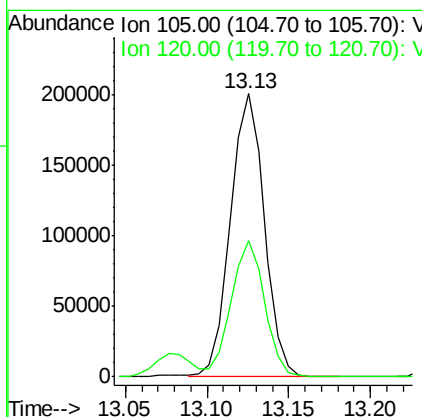
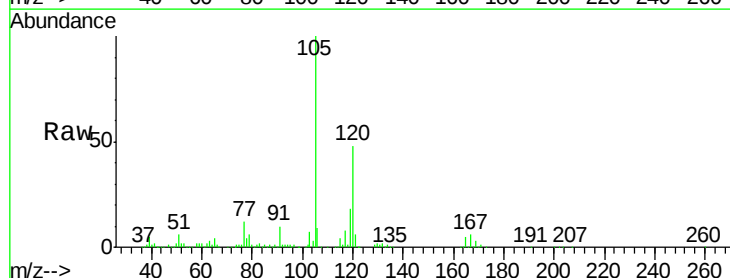
Manual Integrations
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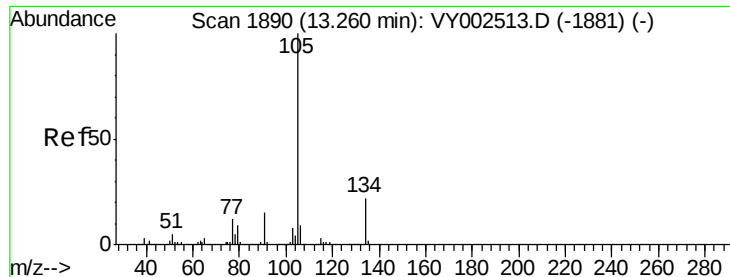
MMDadoda
5/6/2020 10:26:45 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.601 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	289351		
120	47.7	23.4	70.3	





#85

sec-Butylbenzene

Concen: 19.822 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0505SBS01

Tot Ion:105 Resp: 357247

Ion Ratio Lower Upper

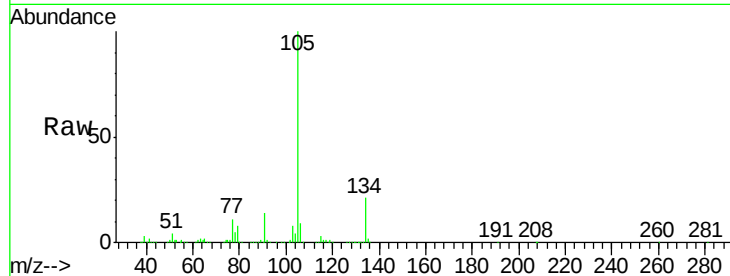
105 100

134 21.6 10.8 32.3

Manual Integrations
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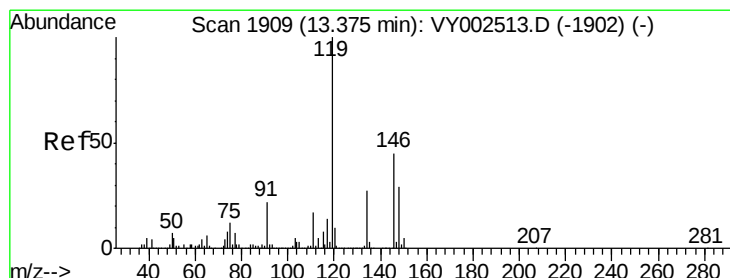
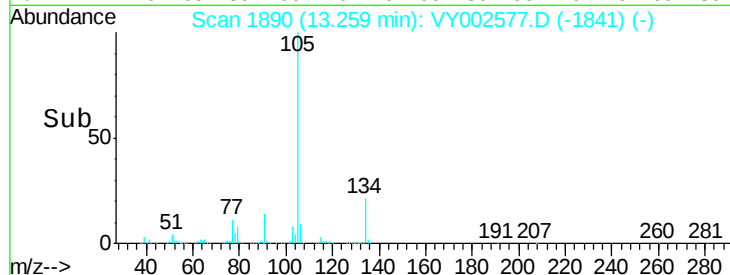
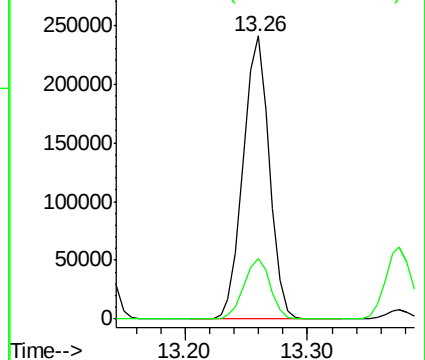
MMDadoda

5/6/2020 10:26:45 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.820 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002577.D

Acq: 05 May 2020 11:23

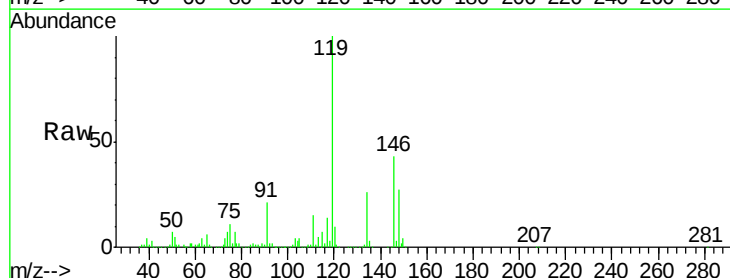
Tgt Ion:119 Resp: 334699

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

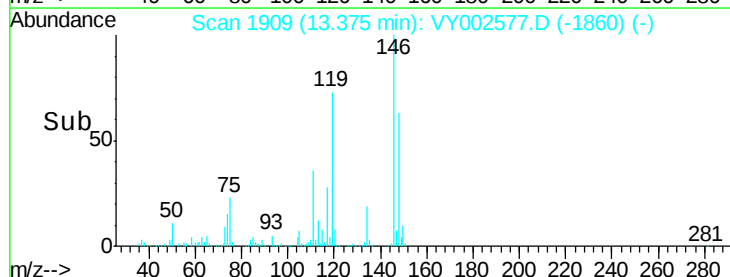
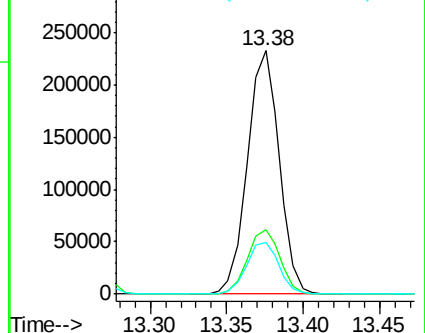
91 21.7 10.9 32.9



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





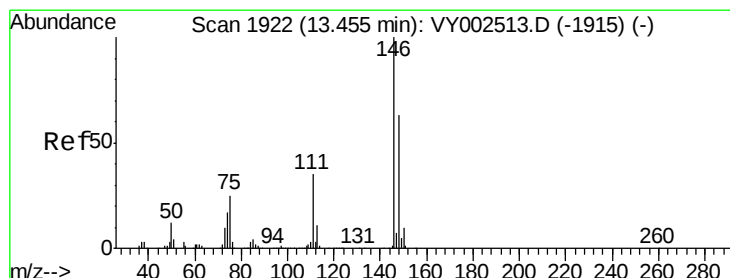
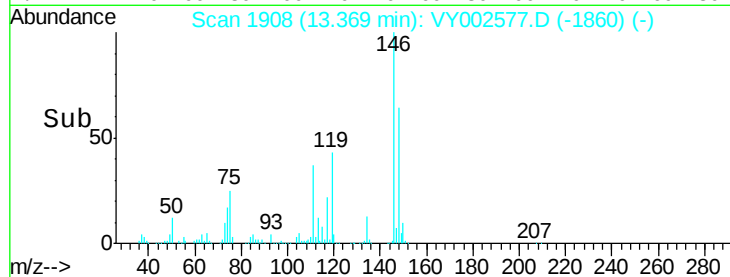
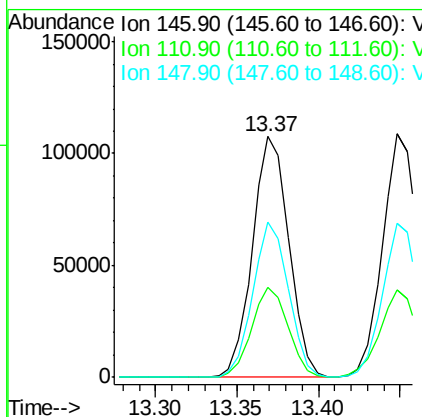
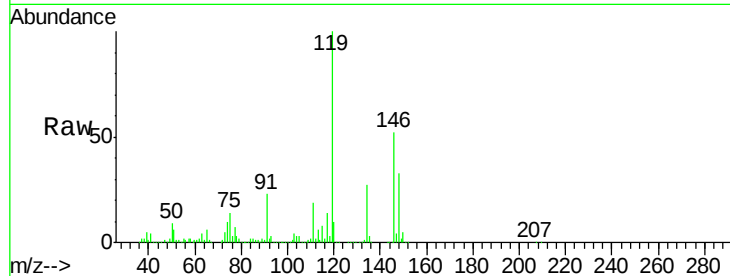
#87
 1,3-Dichlorobenzene
 Concen: 19.803 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	167329		
111	37.4	18.8	56.3	
148	63.1	32.1	96.3	

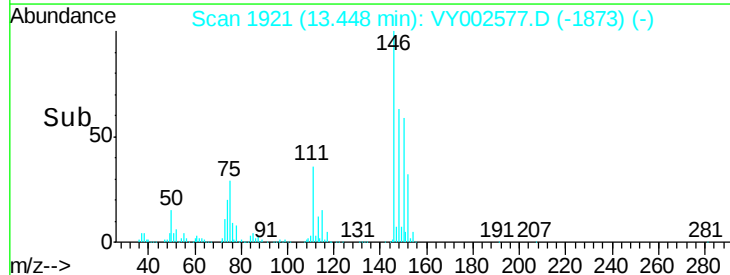
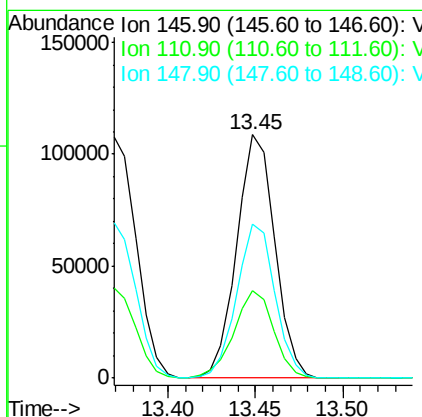
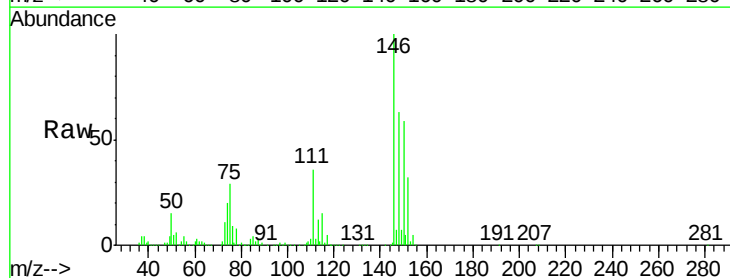
Manual Integrations
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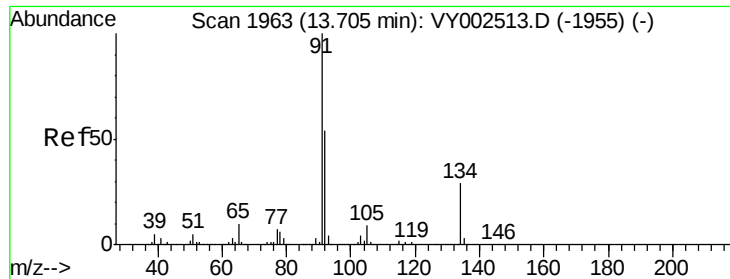
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#88
 1,4-Dichlorobenzene
 Concen: 19.765 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	165372		
111	37.7	18.1	54.1	
148	63.6	31.9	95.5	





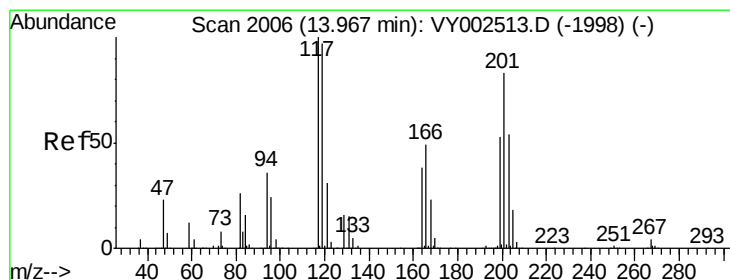
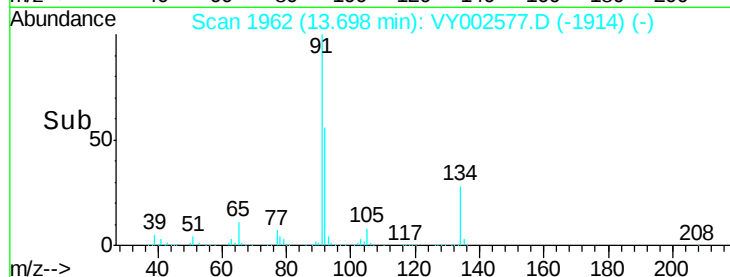
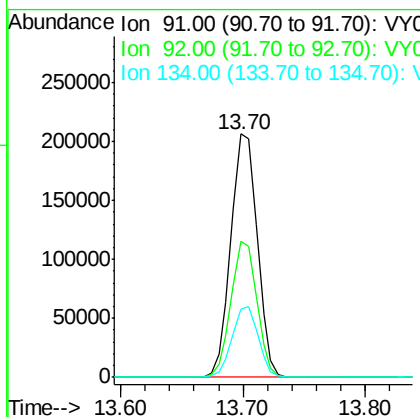
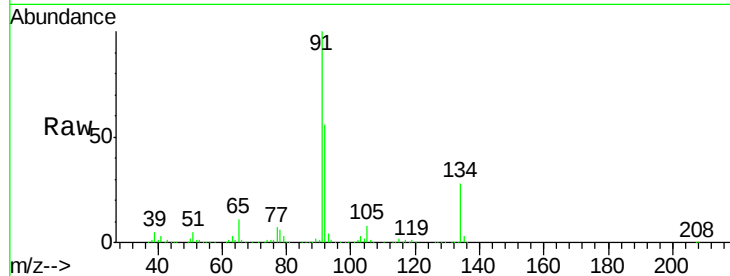
#89
n-Butylbenzene
Concen: 20.034 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	27.1	81.3	
134	28.5	14.4	43.0	

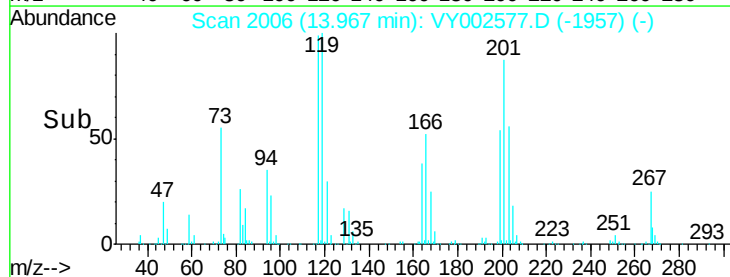
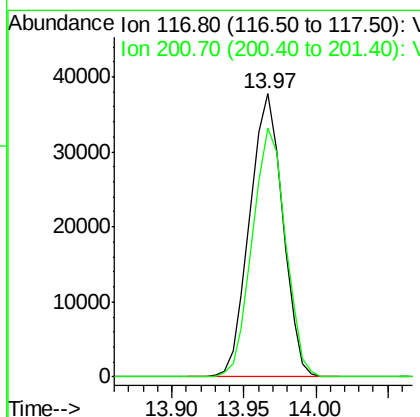
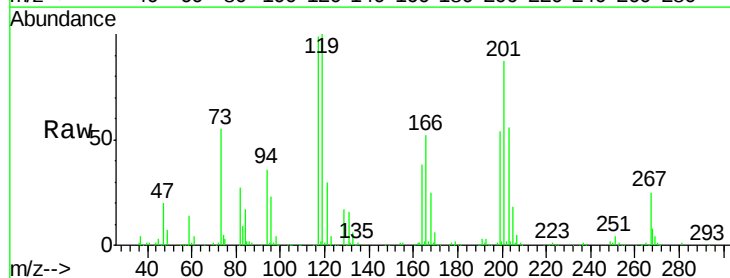
Manual Integrations
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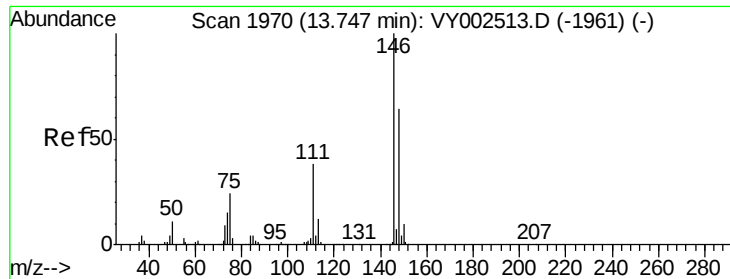
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#90
Hexachloroethane
Concen: 19.501 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.9	44.4	133.2	





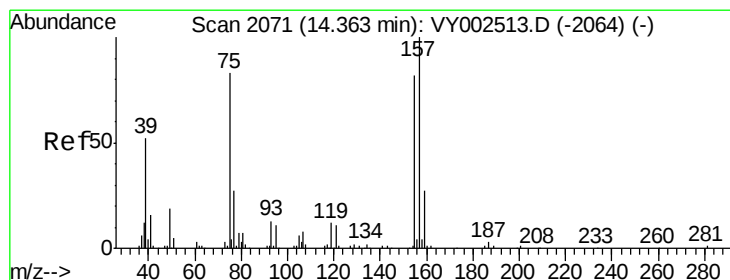
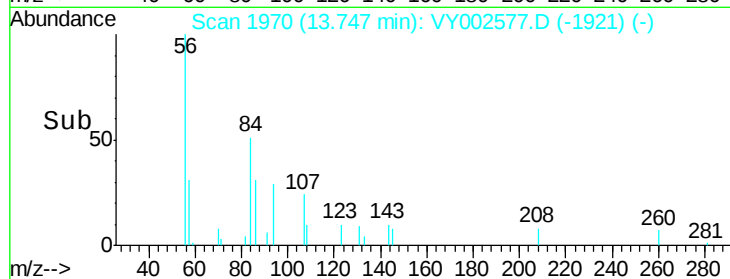
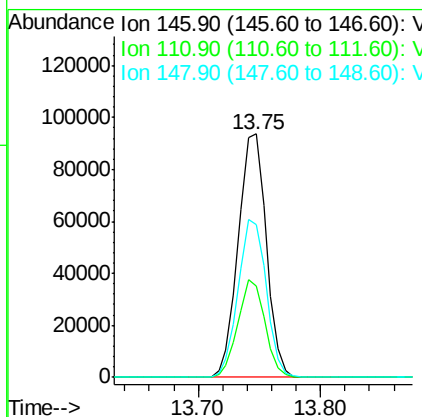
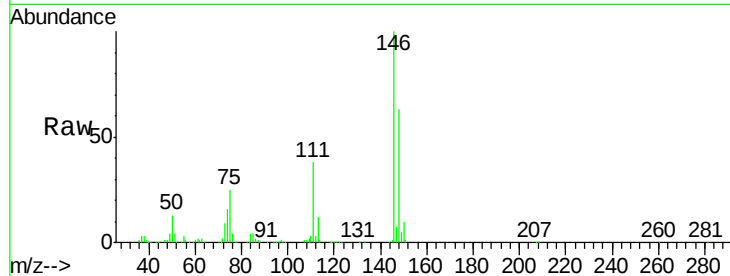
#91
 1,2-Dichlorobenzene
 Concen: 19.756 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	148960		
111	38.5	19.1	57.5	
148	65.0	31.9	95.7	

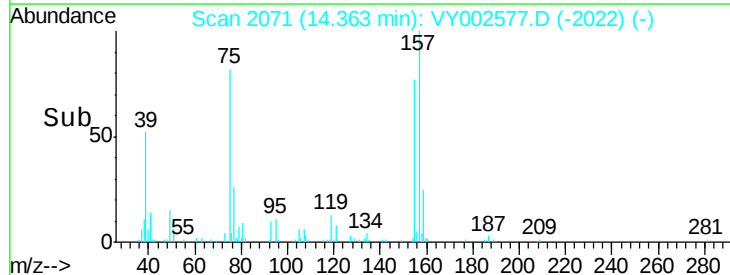
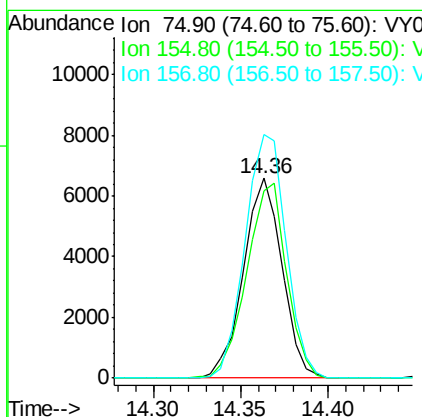
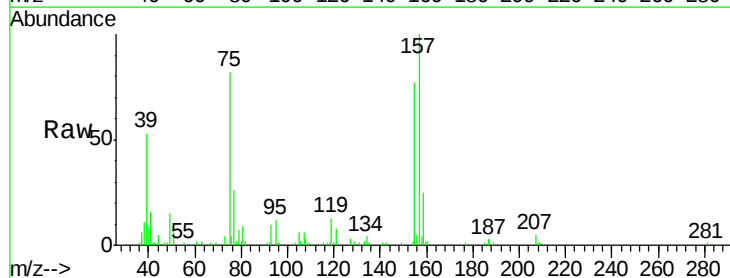
Manual Integrations
 APPROVED

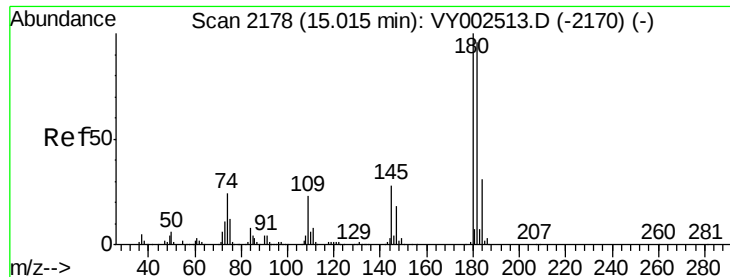
MMDadoda
 5/6/2020 10:26:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.043 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10088		
155	101.1	51.3	153.9	
157	129.8	65.0	195.0	





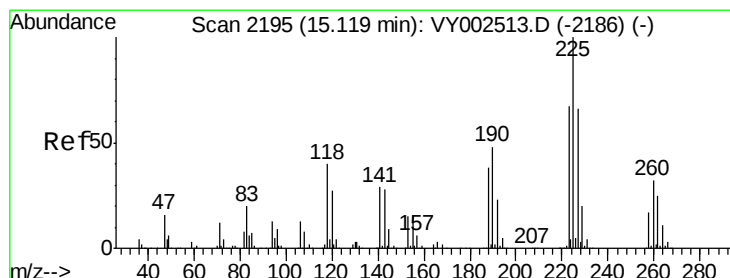
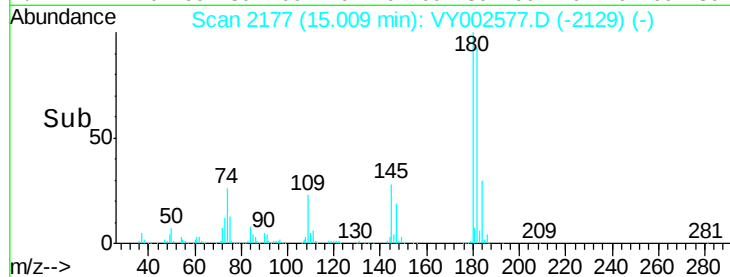
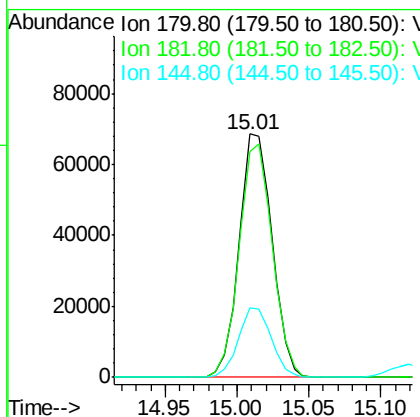
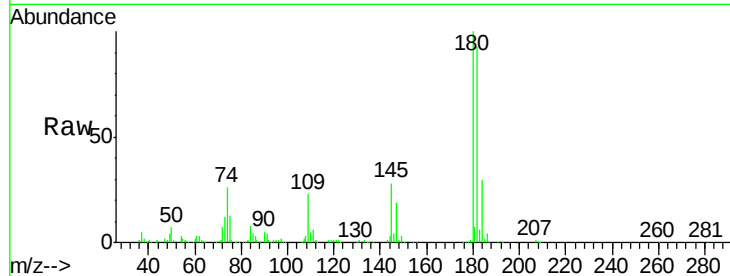
#93
 1,2,4-Trichlorobenzene
 Concen: 19.927 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109080		
182	96.3	47.9	143.6	
145	28.5	14.4	43.0	

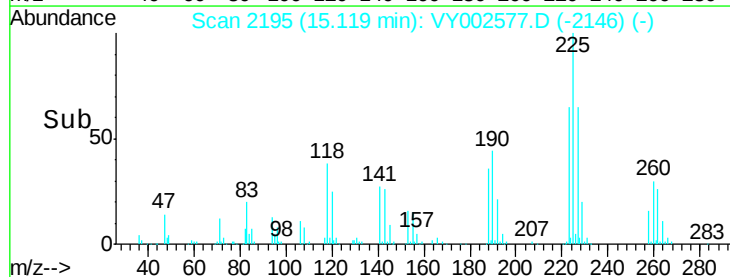
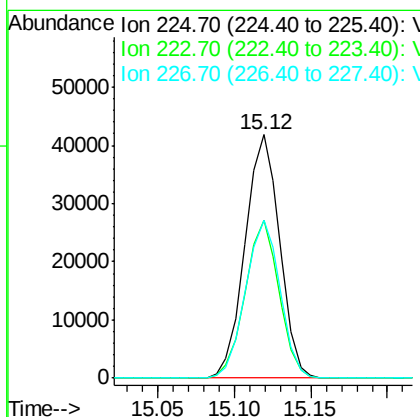
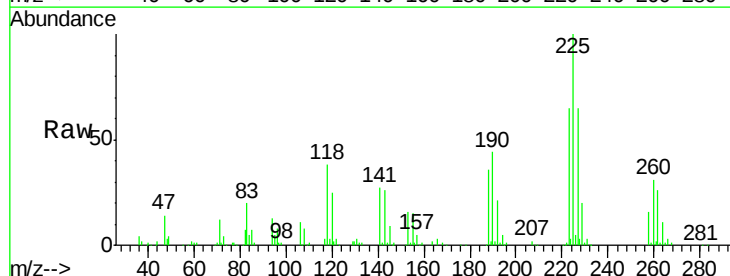
Manual Integrations
 APPROVED

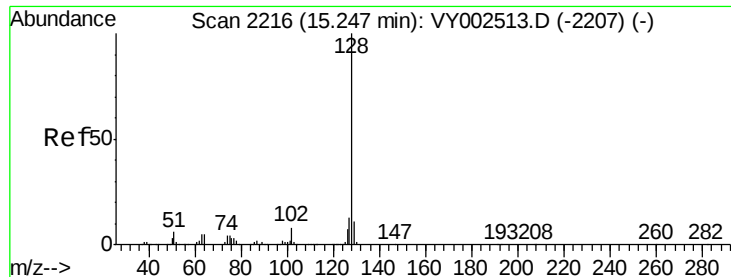
MMDadoda
 5/6/2020 10:26:45 AM



#94
 Hexachlorobutadiene
 Concen: 20.011 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002577.D
 Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65752		
223	63.0	32.1	96.5	
227	65.0	32.0	96.2	





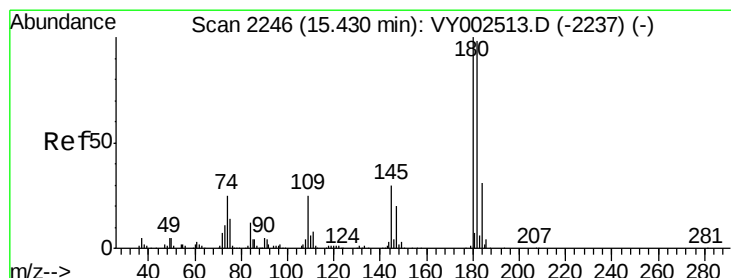
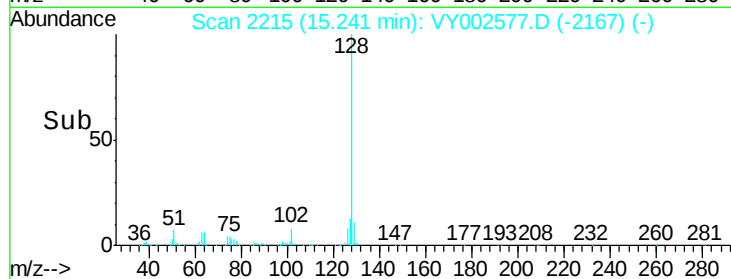
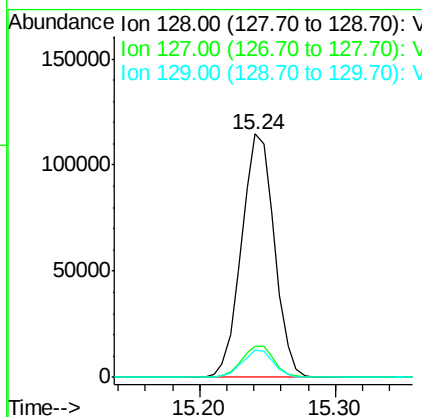
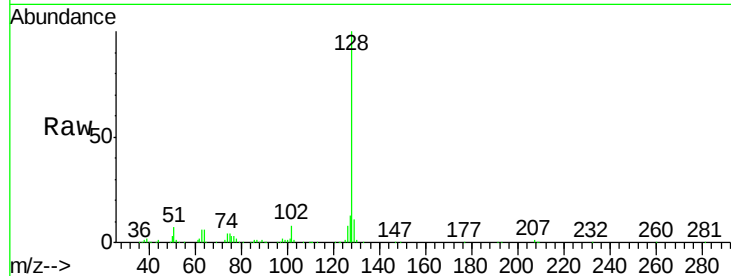
#95
Naphthalene
Concen: 19.407 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	193796		
127	12.9	10.5	15.7	
129	10.8	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
5/6/2020 10:26:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.026 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY002577.D
Acq: 05 May 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	93060		
182	93.7	47.9	143.8	
145	30.8	15.0	45.1	

