

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070920\
 Data File : VY003152.D
 Acq On : 09 Jul 2020 18:33
 Operator : SY/MD
 Sample : L3255-03
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-33

Quant Time: Jul 10 03:45:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	235660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	352187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	288588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	118375	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	95942	40.99	ug/l	0.00
Spiked Amount			Recovery	=	81.98%	
35) Dibromofluoromethane	7.72	113	106635	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
50) Toluene-d8	10.18	98	407741	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.48	95	114255	39.66	ug/l	0.00
Spiked Amount			Recovery	=	79.32%	

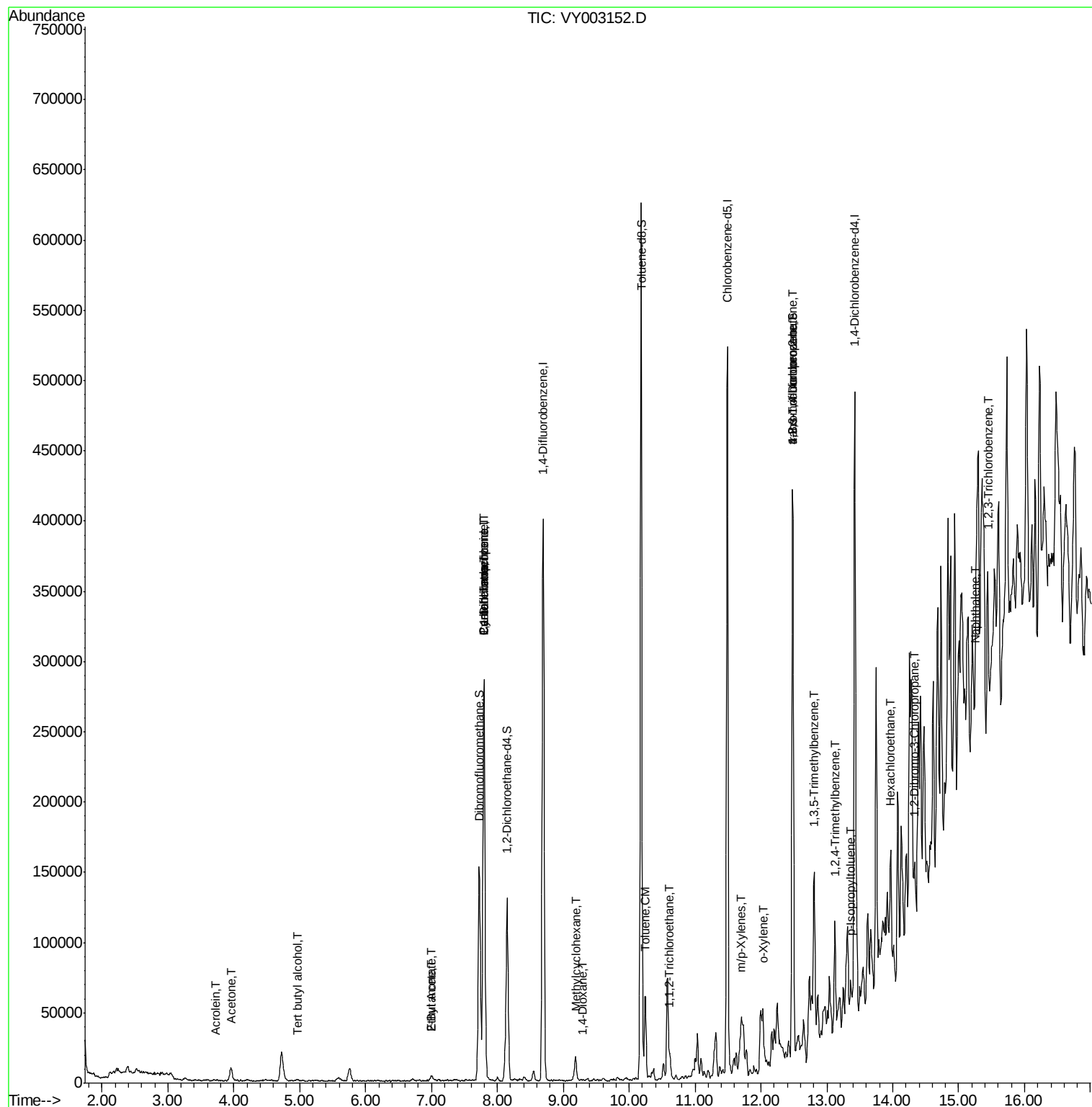
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	1655	6.938	ug/l #	86
13) Acrolein	3.72	56	323	1.508	ug/l #	14
16) Acetone	3.96	43	16353	29.624	ug/l	93
20) Methylene Chloride	4.73	84	15936	Below Cal	#	87
25) 2-Butanone	6.99	43	6031	6.878	ug/l	97
31) Cyclohexane	7.80	56	5492	1.334	ug/l #	44
36) 1,1-Dichloropropene	7.79	75	16002	4.717	ug/l #	51
37) Ethyl Acetate	6.99	43	6031	2.957	ug/l #	70
38) Carbon Tetrachloride	7.80	117	20619	5.842	ug/l #	17
39) Methylcyclohexane	9.18	83	7128	1.695	ug/l	97
49) 1,4-Dioxane	9.30	88	256	15.027	ug/l #	40
52) Toluene	10.25	92	25395	4.344	ug/l	97
55) 1,1,2-Trichloroethane	10.61	97	7125	3.674	ug/l #	18
68) m/p-Xylenes	11.70	106	8227	2.123	ug/l	97
69) o-Xylene	12.03	106	7976	2.185	ug/l	97
76) 1,2,3-Trichloropropane	12.48	75	57073	48.716	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	18690	2.875	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.48	75	57073	94.781	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	42483	6.485	ug/l	96
86) p-Isopropyltoluene	13.37	119	7513	1.030	ug/l	94
90) Hexachloroethane	13.97	117	2843	1.964	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.34	75	296	1.070	ug/l #	19
95) Naphthalene	15.24	128	12413	2.749	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.45	180	5986	2.788	ug/l #	12

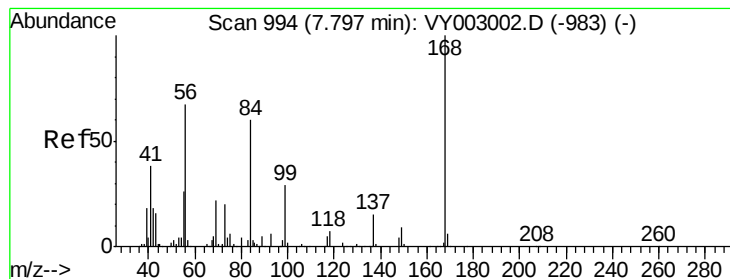
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 10 03:45:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003152.D

Acq: 09 Jul 2020 18:33

Instrument :

MSVOA_Y

ClientSampleId :

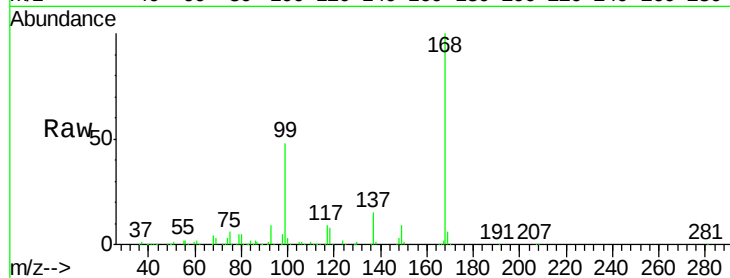
CHRT-33

Tot Ion:168 Resp: 235660

Ion Ratio Lower Upper

168 100

99 48.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003152.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003152.D (-945) (-)

7.80

100000

80000

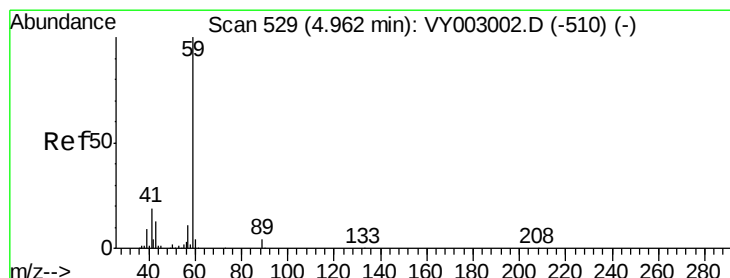
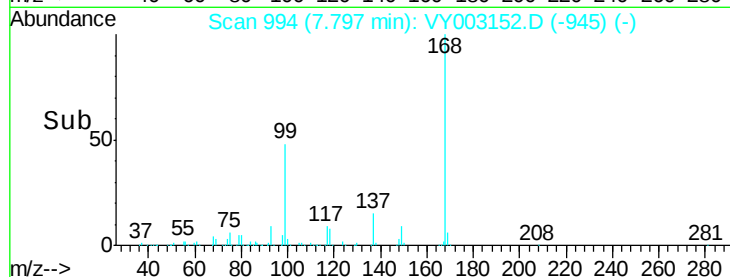
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 6.938 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY003152.D

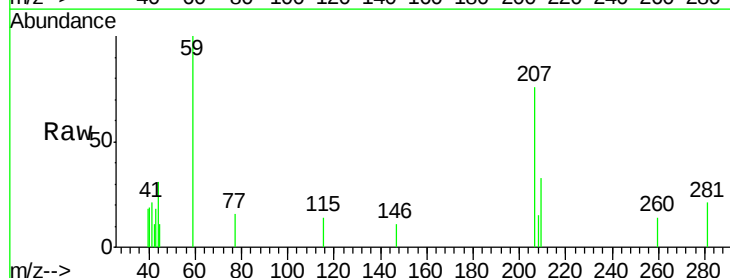
Acq: 09 Jul 2020 18:33

Tgt Ion: 59 Resp: 1655

Ion Ratio Lower Upper

59 100

57 5.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003152.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003152.D (-480) (-)

4.97

500

400

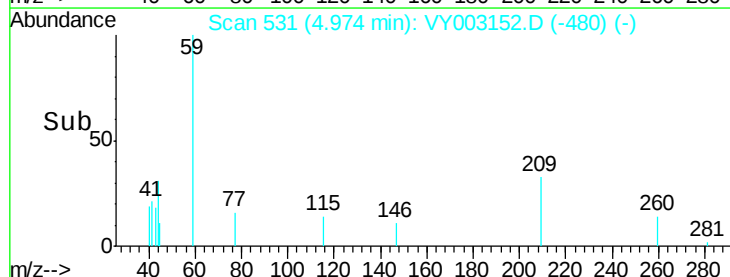
300

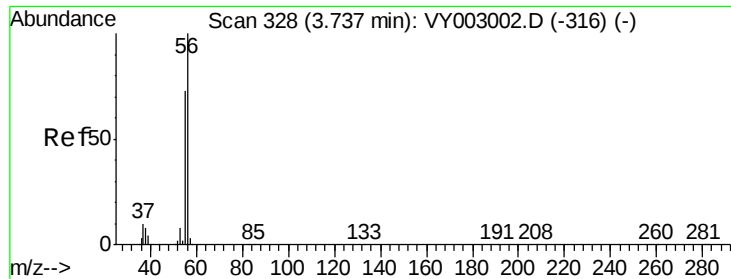
200

100

0

Time-->





#13

Acrolein

Concen: 1.508 ug/l

RT: 3.72 min Scan# 326

Delta R.T. -0.01 min

Lab File: VY003152.D

Acq: 09 Jul 2020 18:33

Instrument :

MSVOA_Y

ClientSampleId :

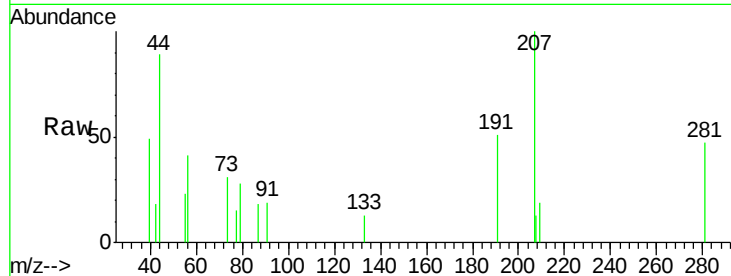
CHRT-33

Tot Ion: 56 Resp: 323

Ion Ratio Lower Upper

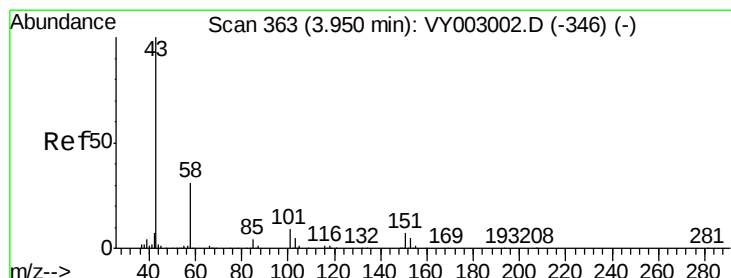
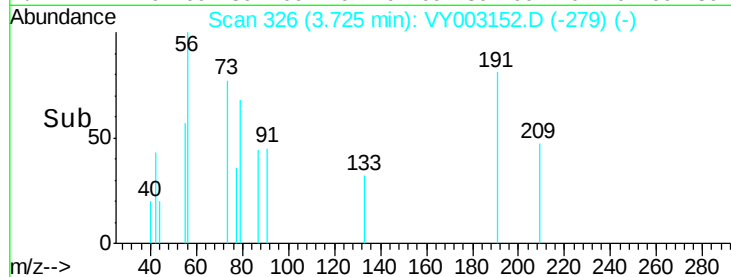
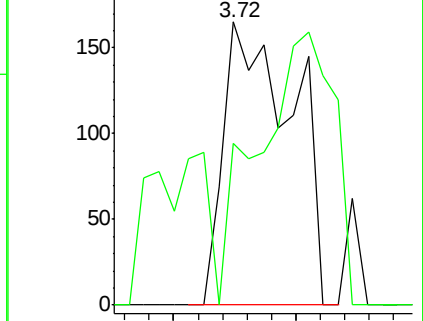
56 100

55 0.0 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 29.624 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003152.D

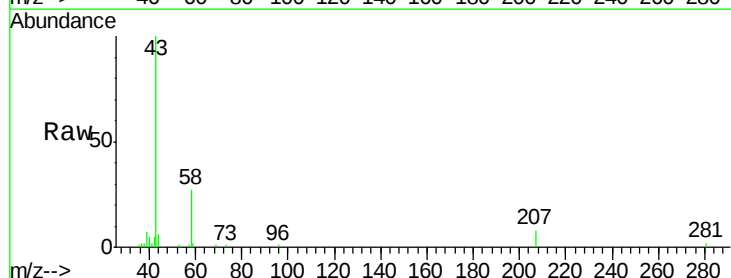
Acq: 09 Jul 2020 18:33

Tgt Ion: 43 Resp: 16353

Ion Ratio Lower Upper

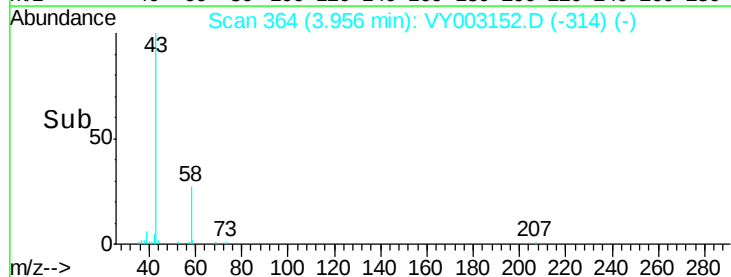
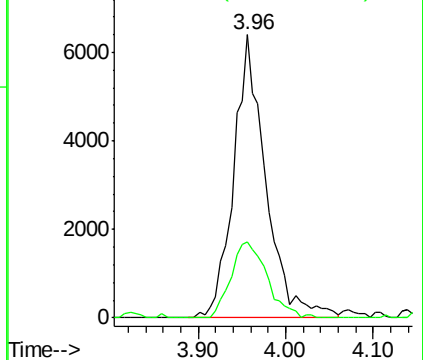
43 100

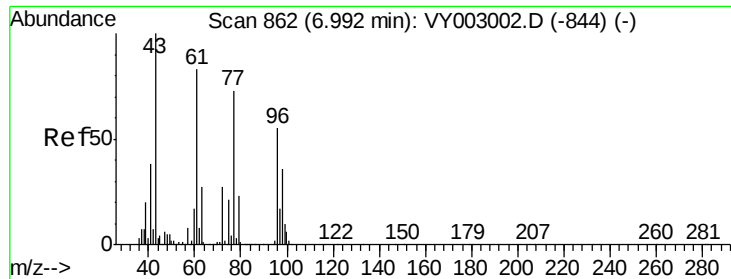
58 26.9 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

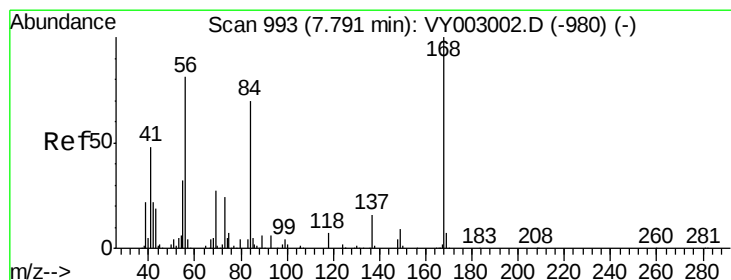
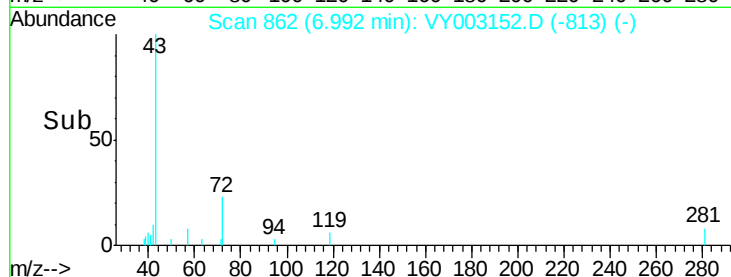
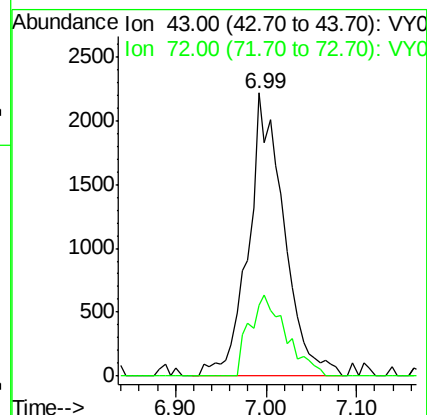
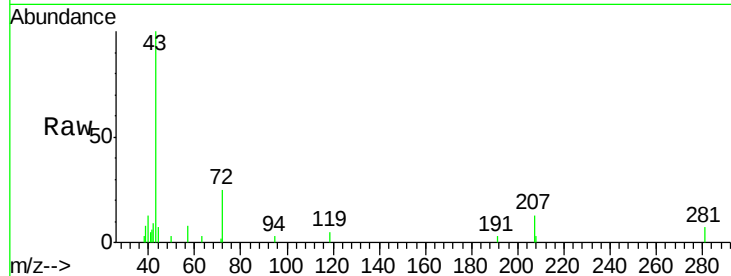




#25
2-Butanone
Concen: 6.878 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003152.D
Acq: 09 Jul 2020 18:33

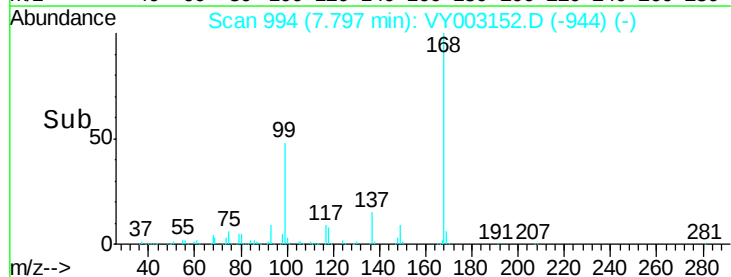
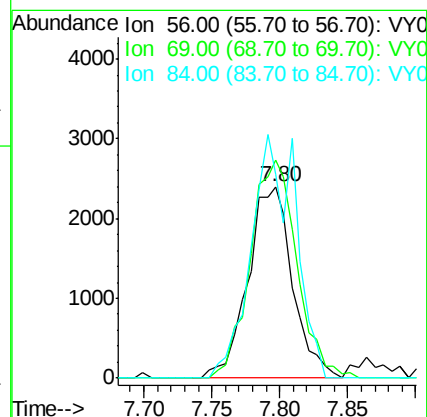
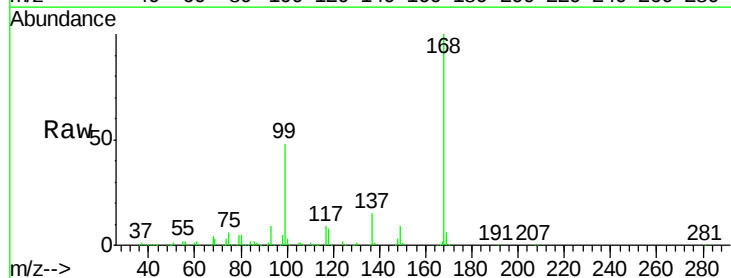
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-33

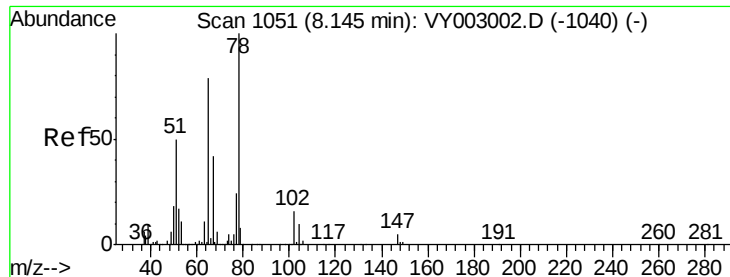
Tot Ion: 43 Resp: 6031
Ion Ratio Lower Upper
43 100
72 25.1 21.4 32.0



#31
Cyclohexane
Concen: 1.334 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003152.D
Acq: 09 Jul 2020 18:33

Tgt Ion: 56 Resp: 5492
Ion Ratio Lower Upper
56 100
69 113.7 27.0 40.4#
84 106.4 68.1 102.1#

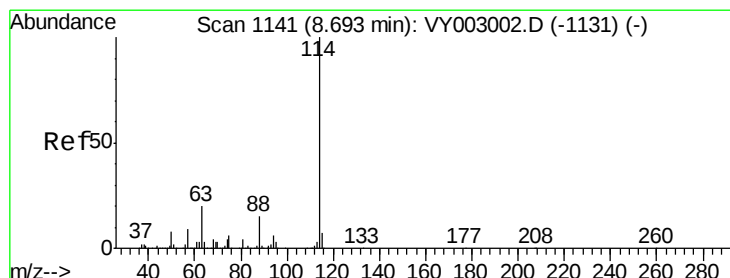
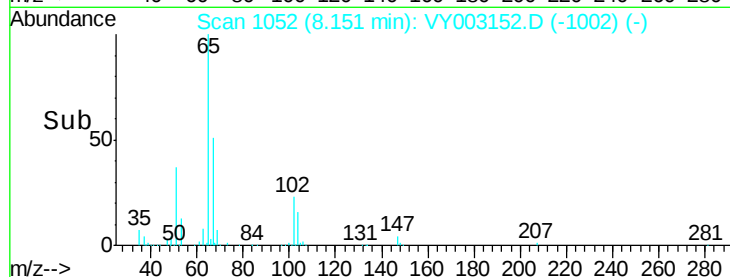
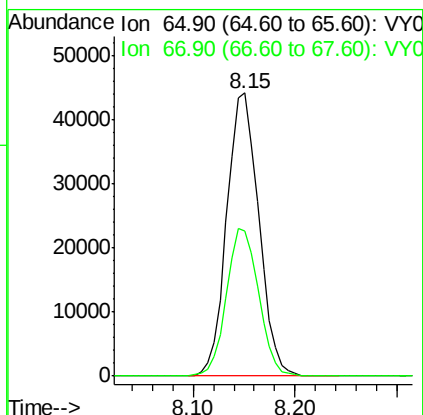
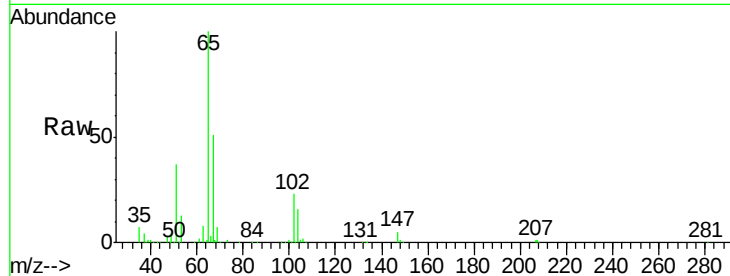




#33
 1,2-Dichloroethane-d4
 Concen: 40.991 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003152.D
 Acq: 09 Jul 2020 18:33

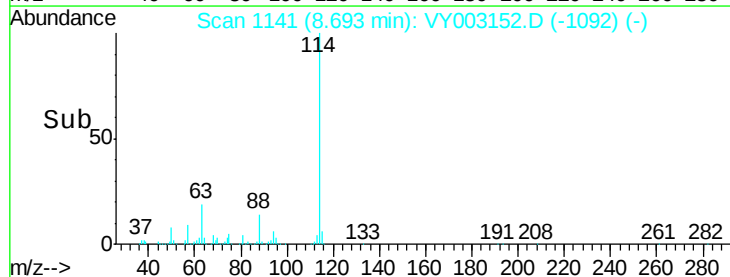
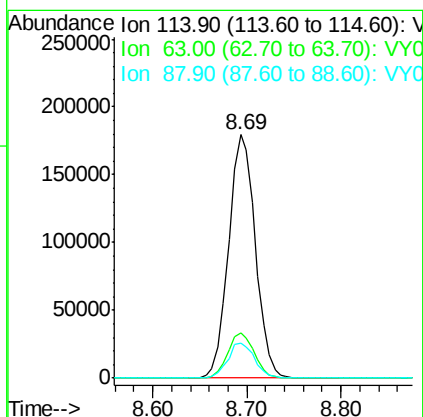
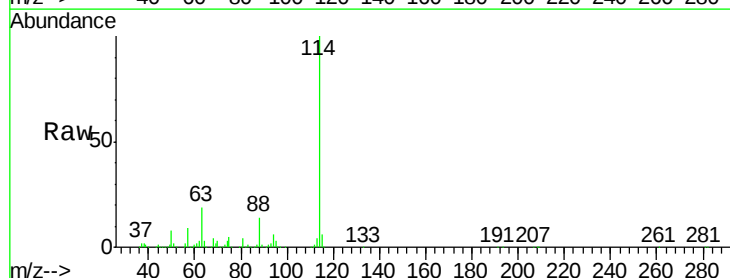
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-33

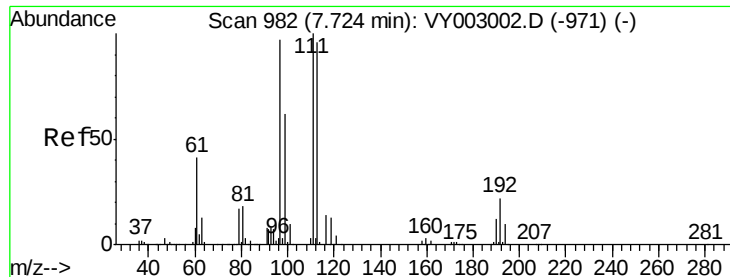
Tot Ion: 65 Resp: 95942
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003152.D
 Acq: 09 Jul 2020 18:33

Tgt Ion: 114 Resp: 352187
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 40.6
 88 14.5 0.0 30.0

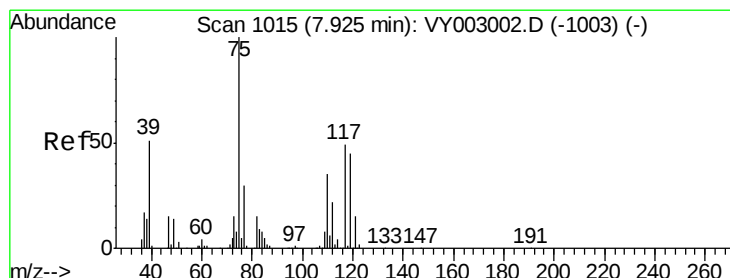
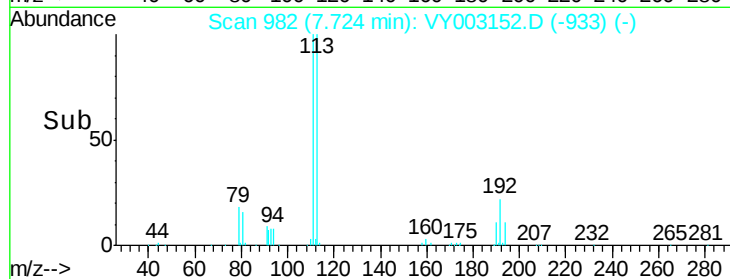
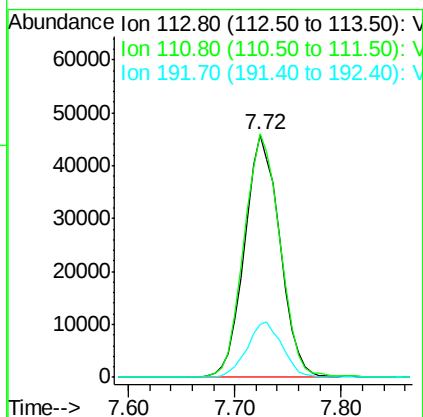
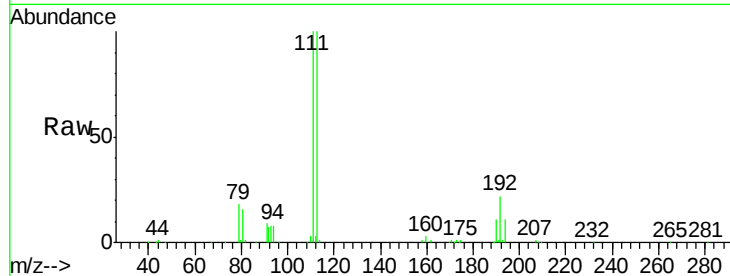




#35
 Dibromofluoromethane
 Concen: 48.537 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003152.D
 Acq: 09 Jul 2020 18:33

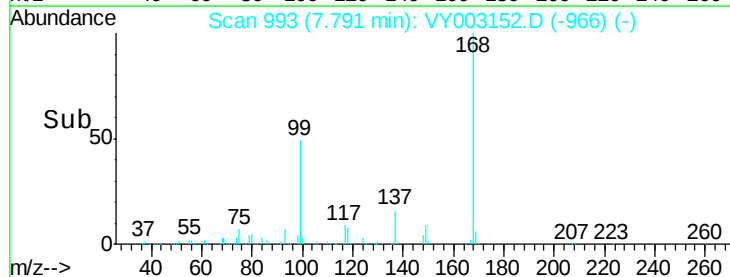
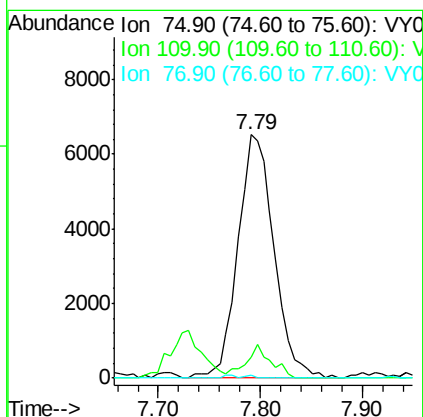
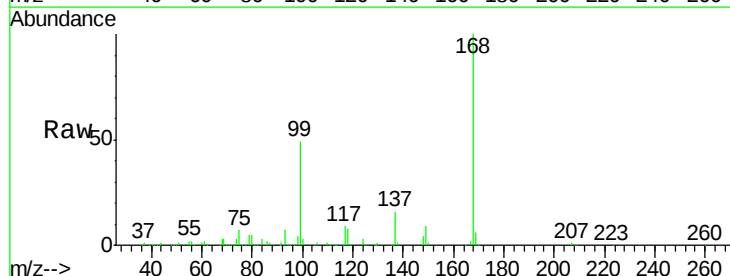
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-33

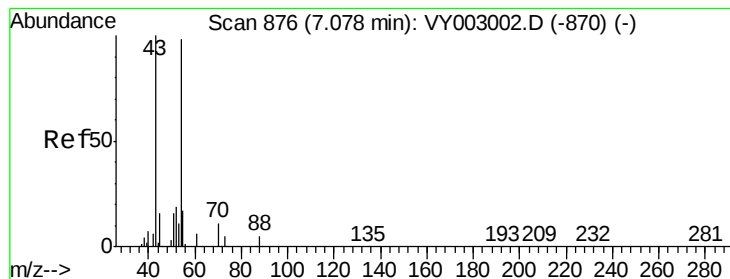
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	22.8	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.717 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003152.D
 Acq: 09 Jul 2020 18:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.1	51.2#
77	0.3	24.9	37.3#





#37

Ethyl Acetate

Concen: 2.957 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.09 min

Lab File: VY003152.D

Acq: 09 Jul 2020 18:33

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-33

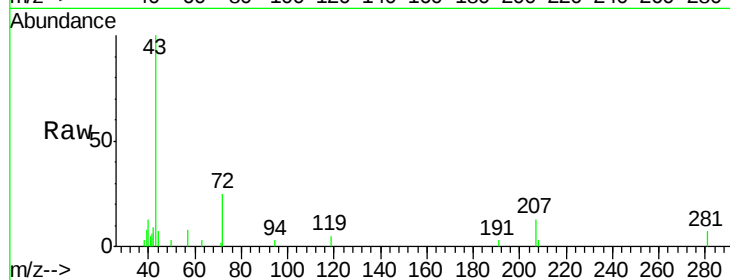
Tot Ion: 43 Resp: 6031

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

70 0.0 7.7 11.5#

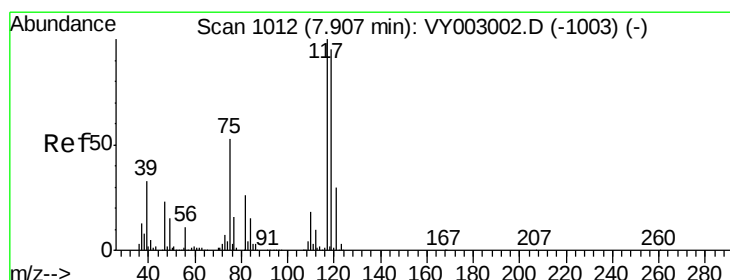
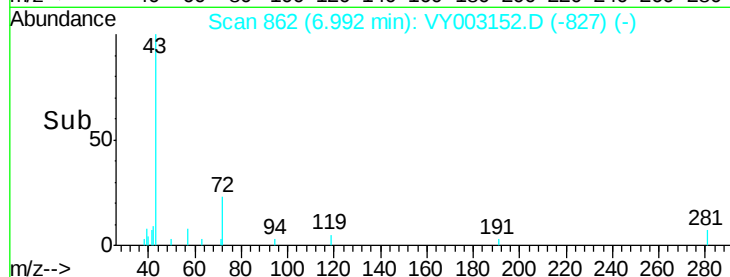


Abundance Ion 43.00 (42.70 to 43.70): VY003152.D (-862) (-)

Ion 60.90 (60.60 to 61.60): VY003152.D (-862) (-)

Ion 70.00 (69.70 to 70.70): VY003152.D (-862) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.842 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003152.D

Acq: 09 Jul 2020 18:33

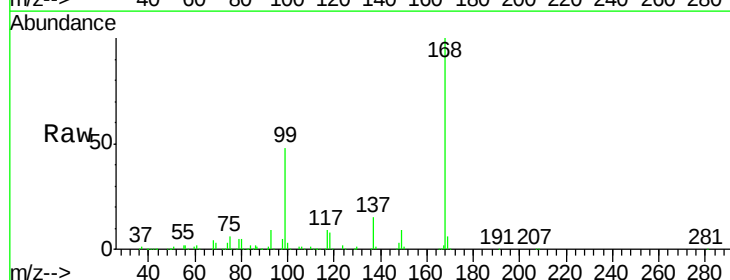
Tgt Ion: 117 Resp: 20619

Ion Ratio Lower Upper

117 100

119 5.1 75.7 113.5#

121 0.0 23.9 35.9#

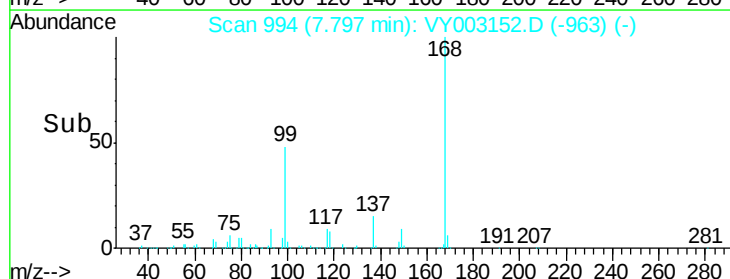


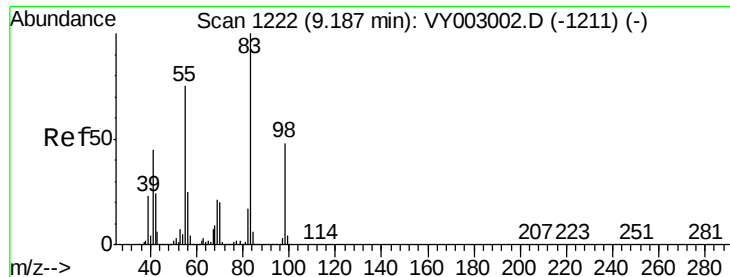
Abundance Ion 116.80 (116.50 to 117.50): VY003152.D (-994) (-)

Ion 118.80 (118.50 to 119.50): VY003152.D (-994) (-)

Ion 120.80 (120.50 to 121.50): VY003152.D (-994) (-)

Time-->

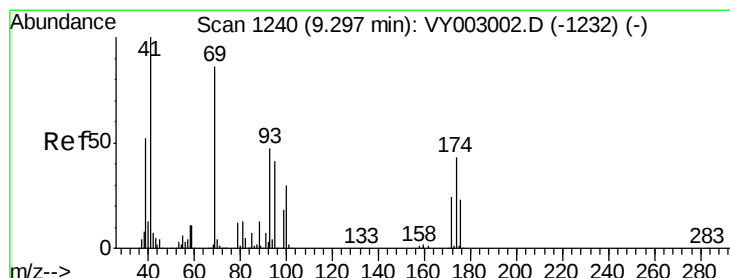
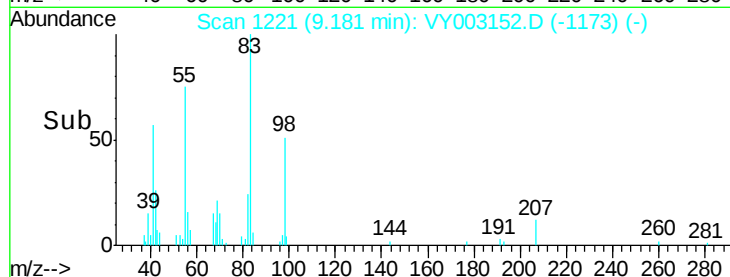
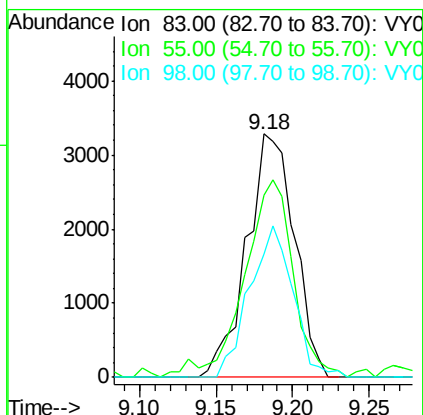
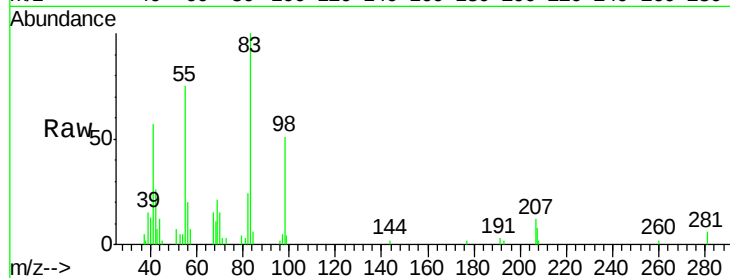




#39
Methvlcvclohexane
Concen: 1.695 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY003152.D
Acq: 09 Jul 2020 18:33

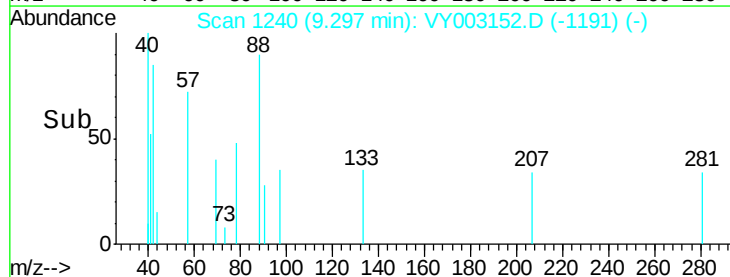
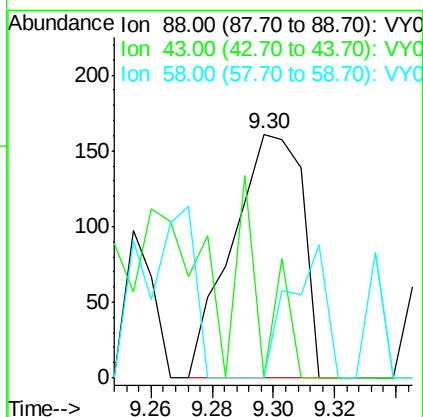
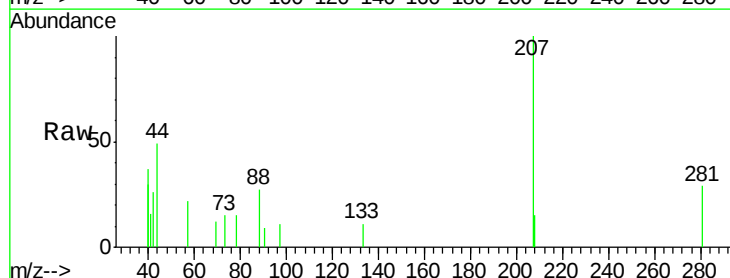
Instrument :
MSVOA_Y
ClientSampled :
CHRT-33

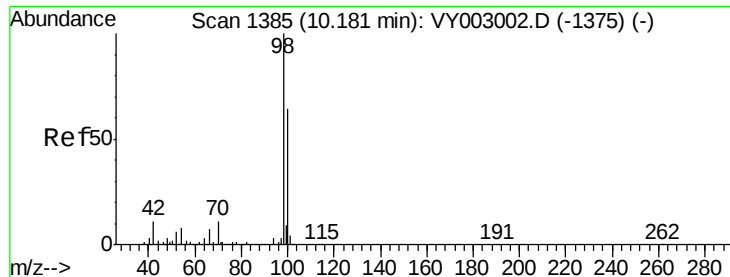
Tot Ion: 83 Resp: 7128
Ion Ratio Lower Upper
83 100
55 72.1 59.9 89.9
98 50.7 38.7 58.1



#49
1,4-Dioxane
Concen: 15.027 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY003152.D
Acq: 09 Jul 2020 18:33

Tgt Ion: 88 Resp: 256
Ion Ratio Lower Upper
88 100
43 30.5 28.6 42.8
58 0.0 56.7 85.1#





#50

Toluene-d8

Concen: 49.817 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003152.D

Acq: 09 Jul 2020 18:33

Instrument :

MSVOA_Y

ClientSampleId :

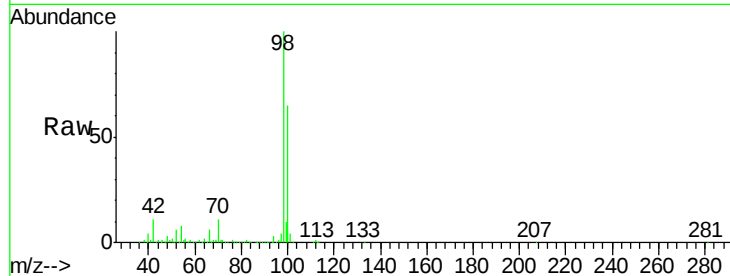
CHRT-33

Tot Ion: 98 Resp: 407741

Ion Ratio Lower Upper

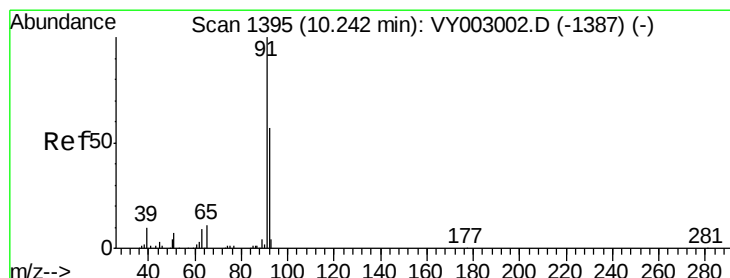
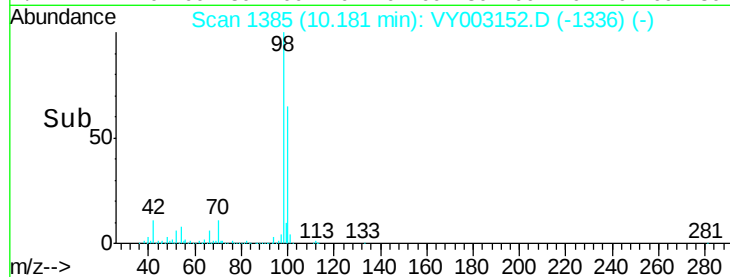
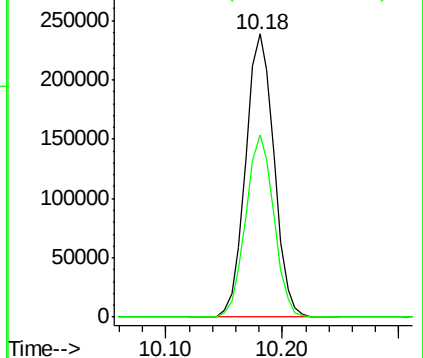
98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#52

Toluene

Concen: 4.344 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY003152.D

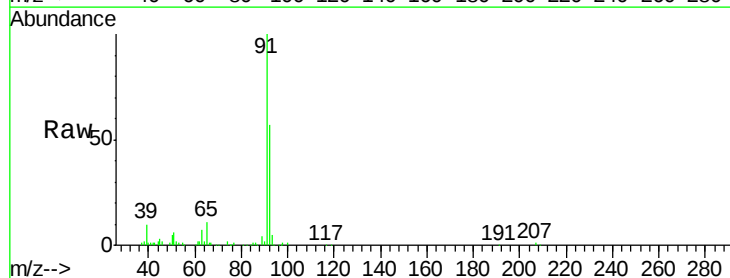
Acq: 09 Jul 2020 18:33

Tgt Ion: 92 Resp: 25395

Ion Ratio Lower Upper

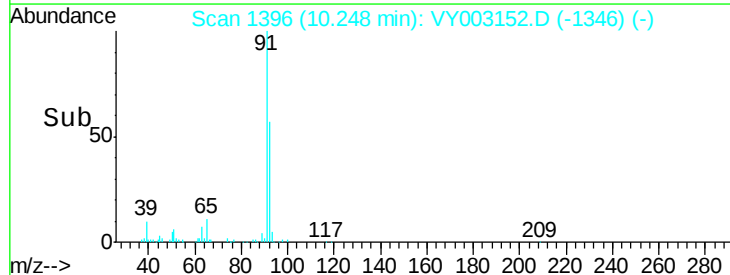
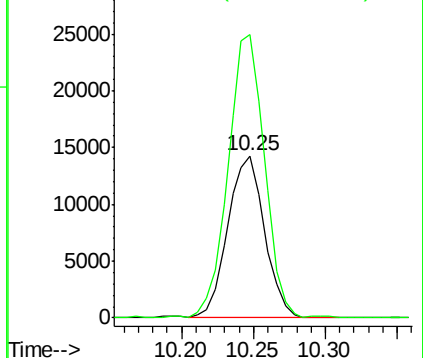
92 100

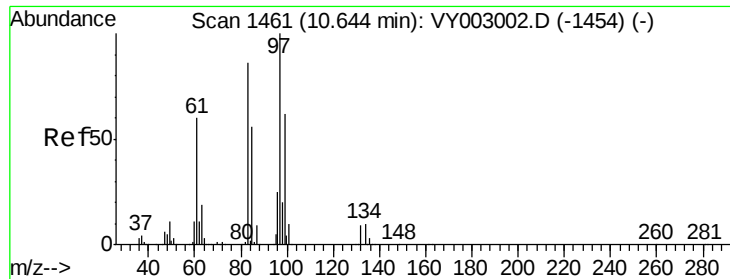
91 170.5 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

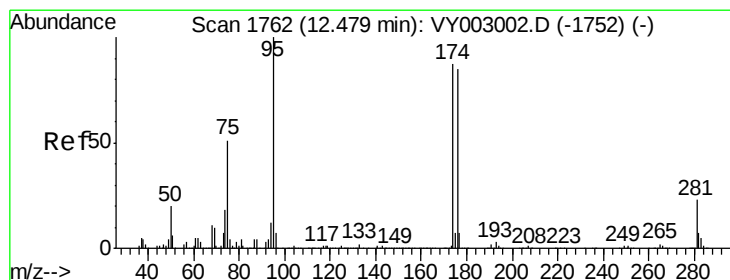
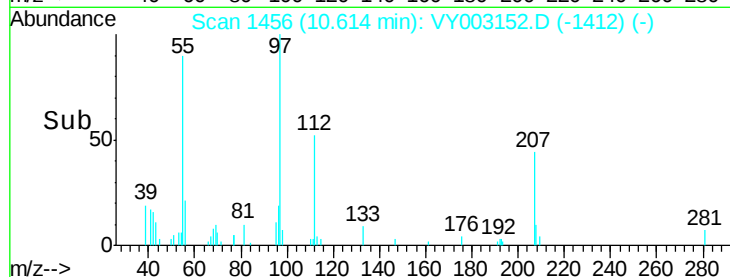
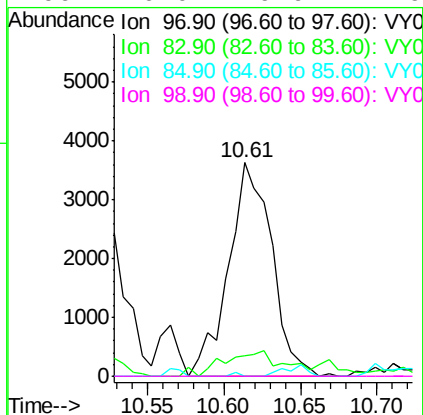
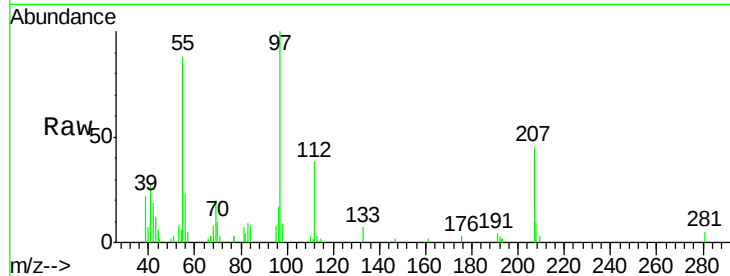




#55
 1,1,2-Trichloroethane
 Concen: 3.674 ug/l
 RT: 10.61 min Scan# 1456
 Delta R.T. -0.03 min
 Lab File: VY003152.D
 Acq: 09 Jul 2020 18:33

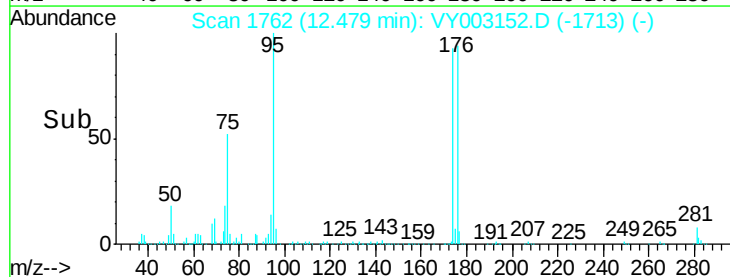
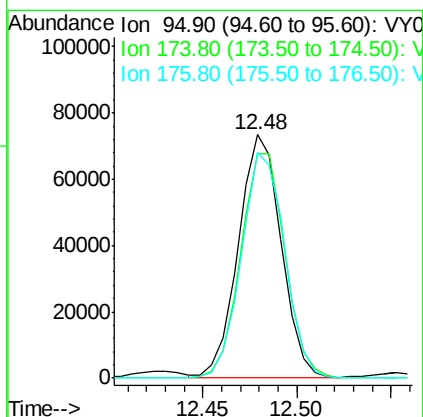
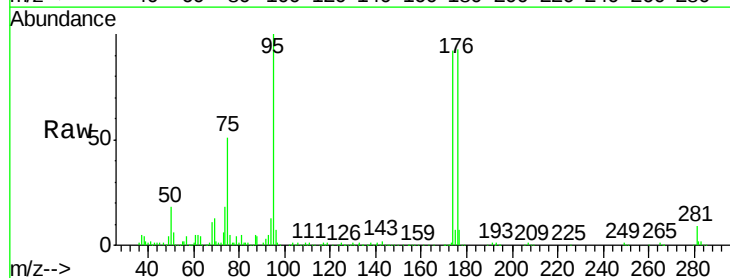
Instrument :
 MSVOA_Y
 ClientSampled :
 CHRT-33

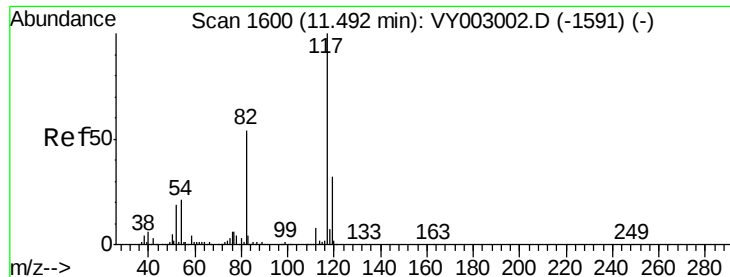
Tot Ion: 97 Resp: 7125
 Ion Ratio Lower Upper
 97 100
 83 6.1 69.0 103.6#
 85 0.0 44.8 67.2#
 99 0.0 49.9 74.9#



#62
 4-Bromofluorobenzene
 Concen: 39.657 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY003152.D
 Acq: 09 Jul 2020 18:33

Tgt Ion: 95 Resp: 114255
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 184.8
 176 94.5 0.0 183.0

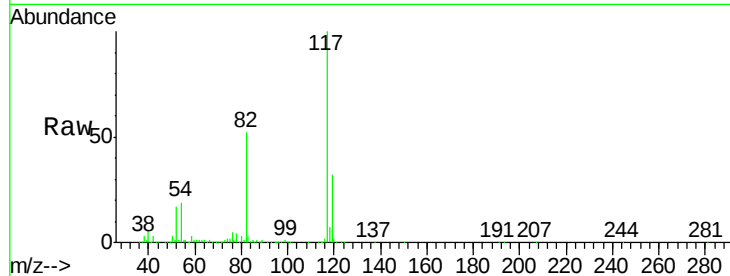




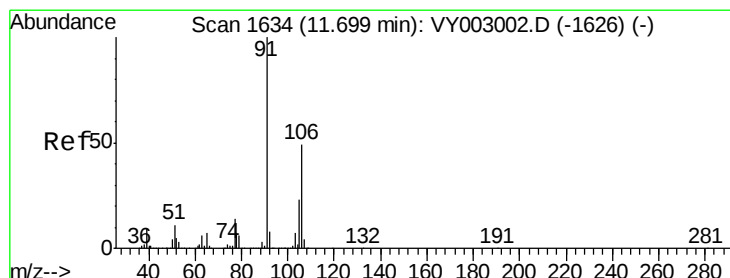
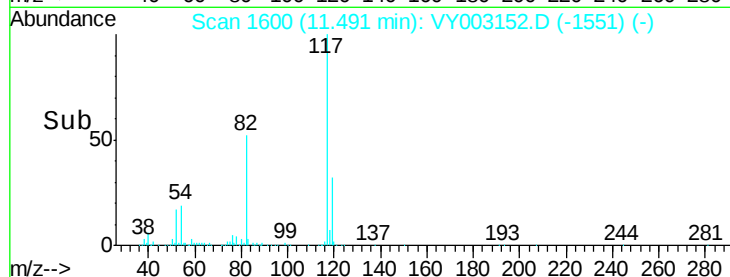
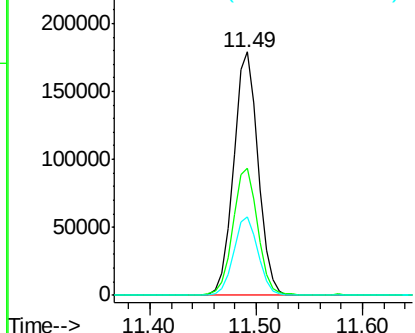
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003152.D
Acq: 09 Jul 2020 18:33

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-33

Tot Ion:117 Resp: 288588
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.6
119 32.2 25.8 38.8

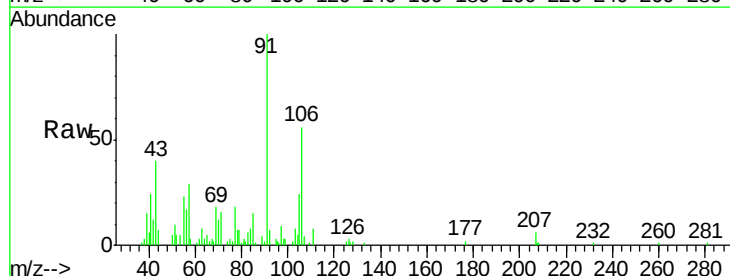


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

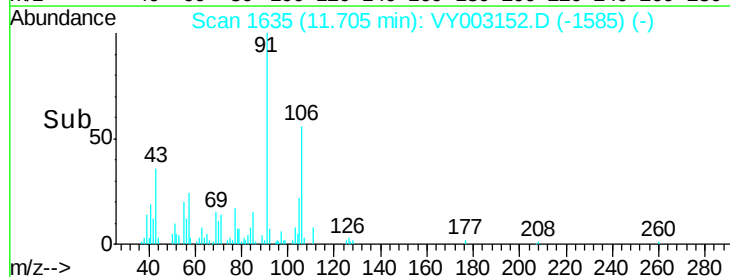
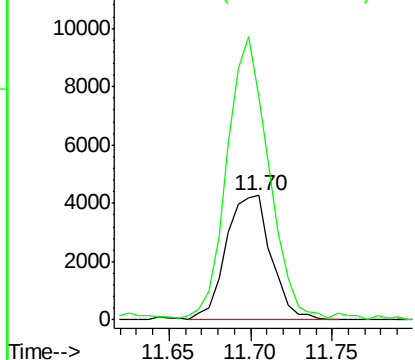


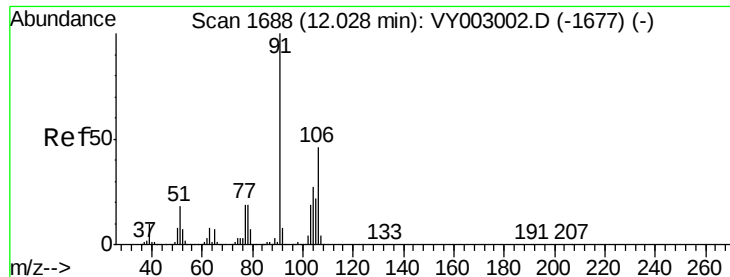
#68
m/p-Xylenes
Concen: 2.123 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY003152.D
Acq: 09 Jul 2020 18:33

Tgt Ion:106 Resp: 8227
Ion Ratio Lower Upper
106 100
91 207.1 161.9 242.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

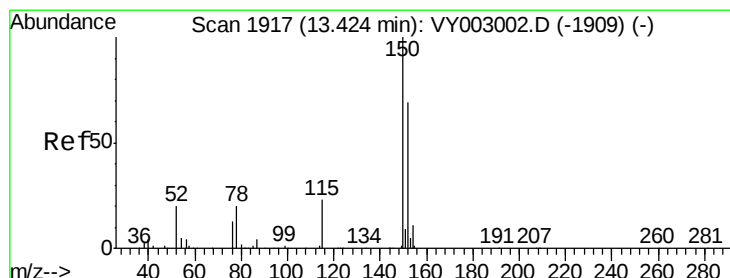
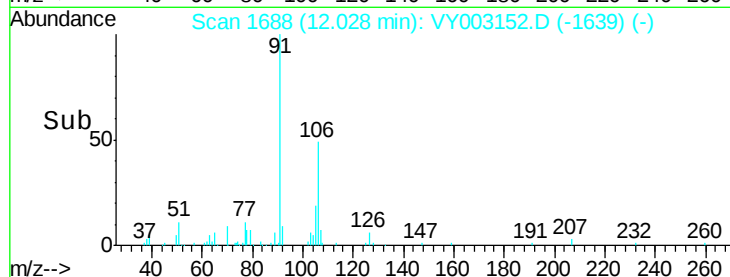
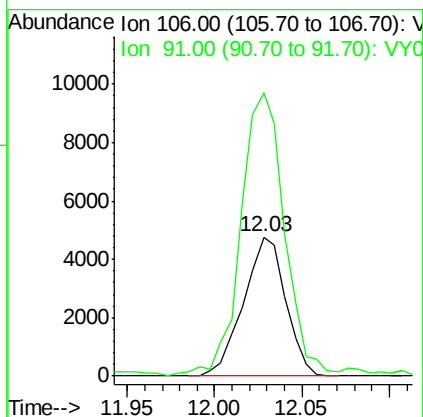
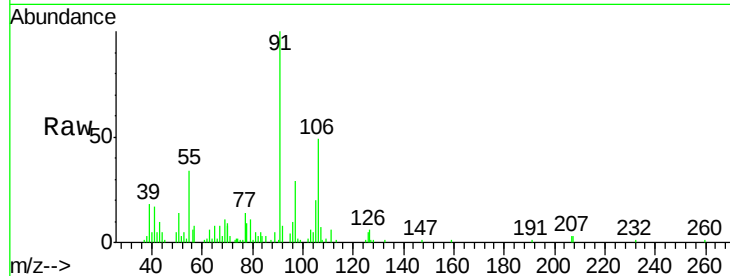




#69
o-Xylene
Concen: 2.185 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003152.D
Acq: 09 Jul 2020 18:33

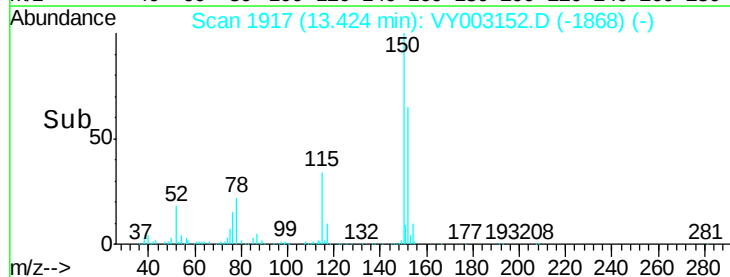
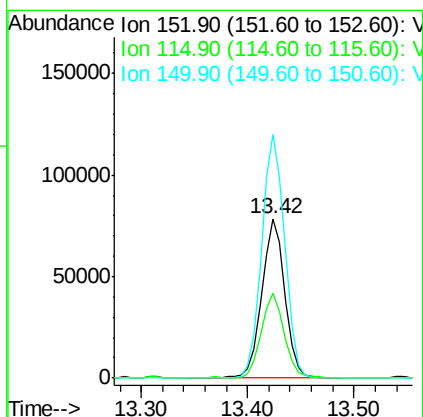
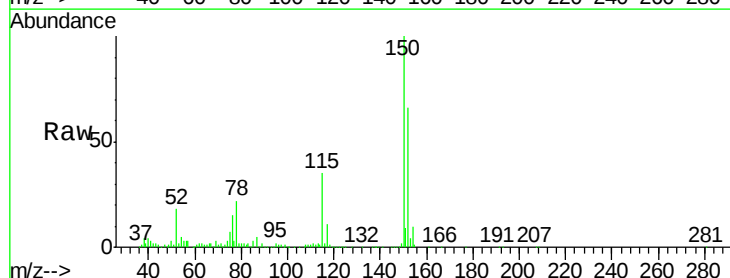
Instrument :
MSVOA_Y
ClientSampled :
CHRT-33

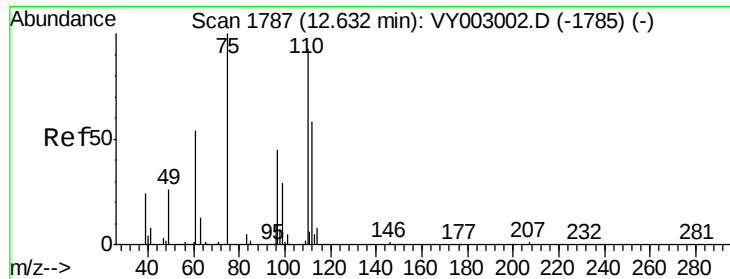
Tot Ion:106 Resp: 7976
Ion Ratio Lower Upper
106 100
91 211.4 107.9 323.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003152.D
Acq: 09 Jul 2020 18:33

Tgt Ion:152 Resp: 118375
Ion Ratio Lower Upper
152 100
115 53.2 27.3 81.9
150 152.6 0.0 343.4

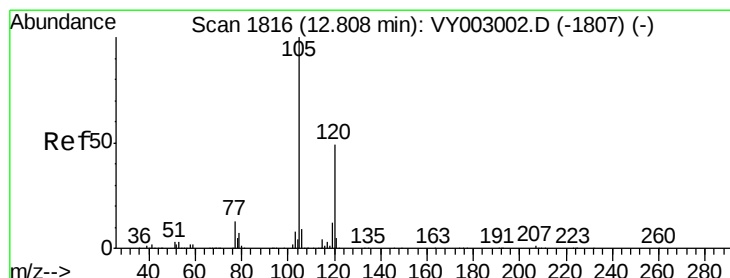
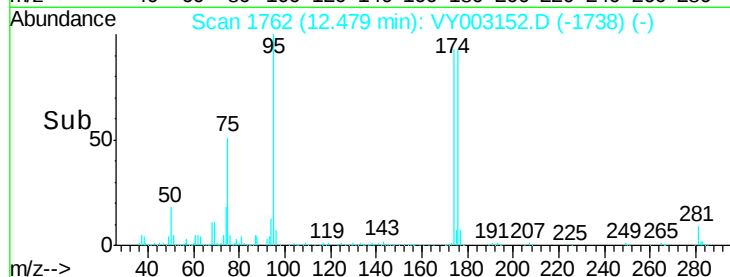
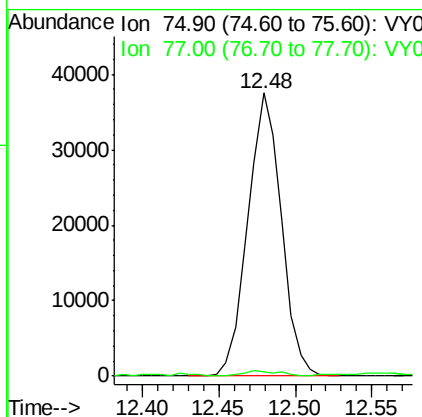
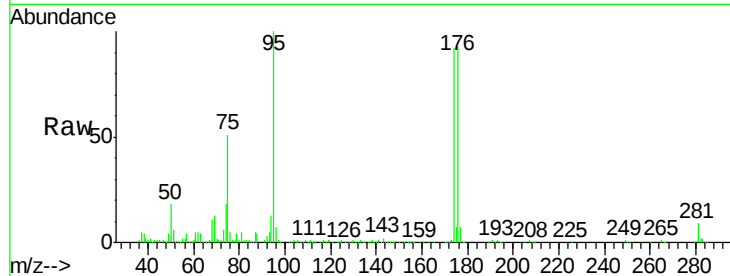




#76
 1,2,3-Trichloropropane
 Concen: 48.716 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY003152.D
 Acq: 09 Jul 2020 18:33

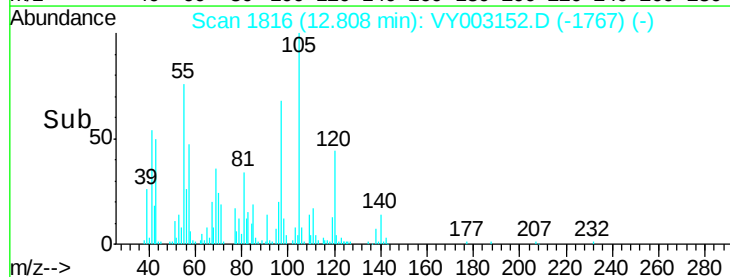
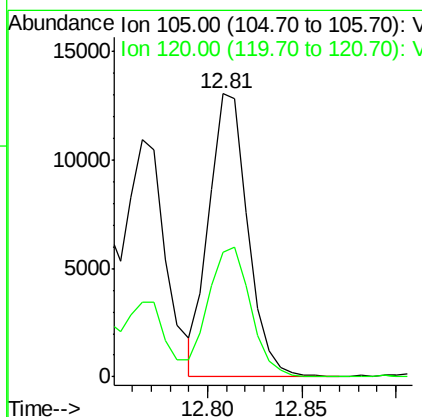
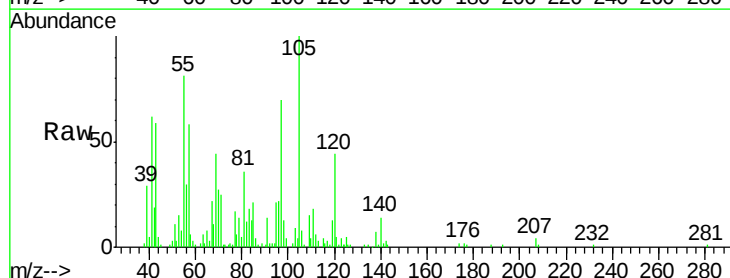
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-33

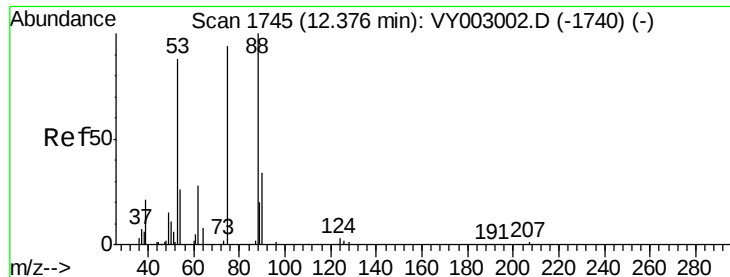
Tot Ion: 75 Resp: 57073
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 2.875 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY003152.D
 Acq: 09 Jul 2020 18:33

Tgt Ion: 105 Resp: 18690
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 94.781 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003152.D

Acq: 09 Jul 2020 18:33

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-33

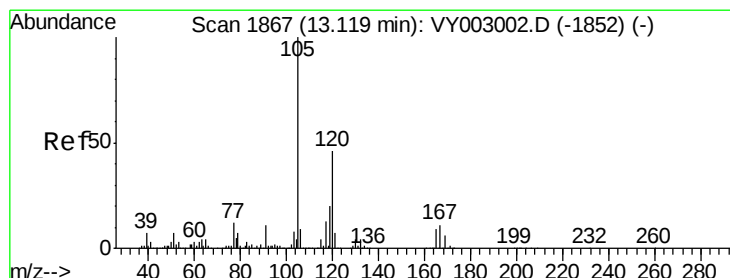
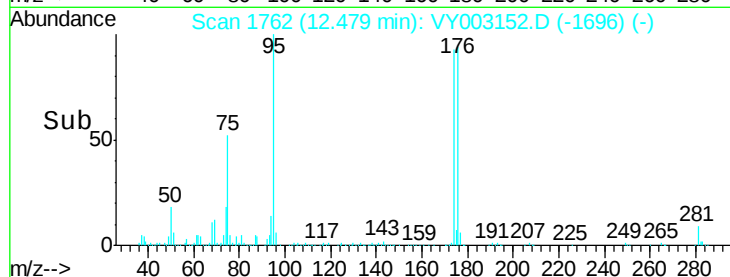
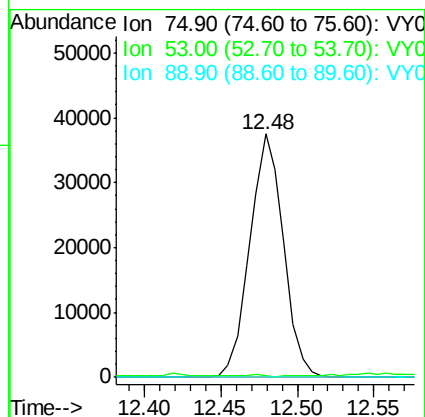
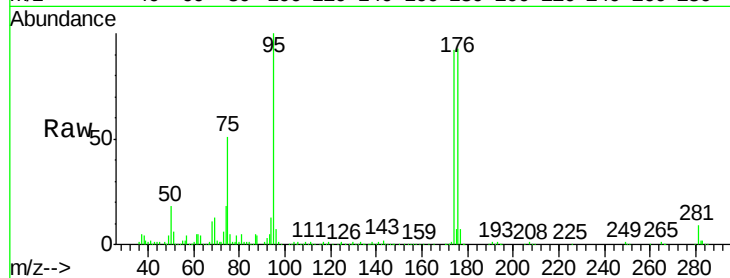
Tot Ion: 75 Resp: 57073

Ion Ratio Lower Upper

75 100

53 0.5 73.9 110.9#

89 0.1 37.5 56.3#



#84

1,2,4-Trimethylbenzene

Concen: 6.485 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003152.D

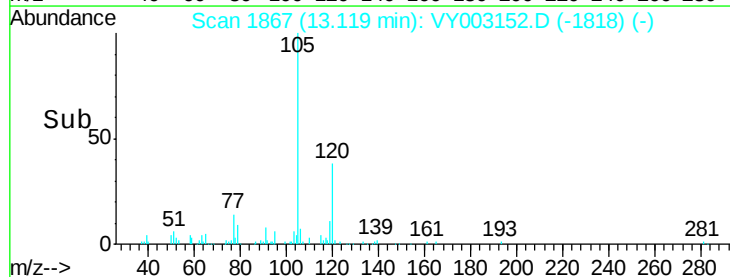
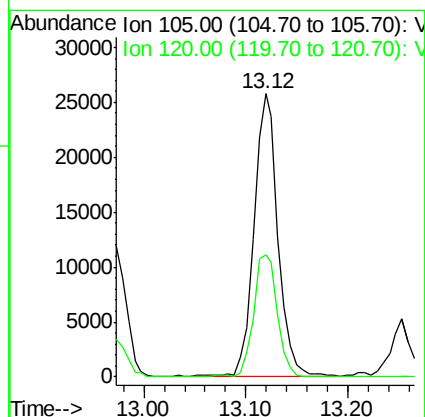
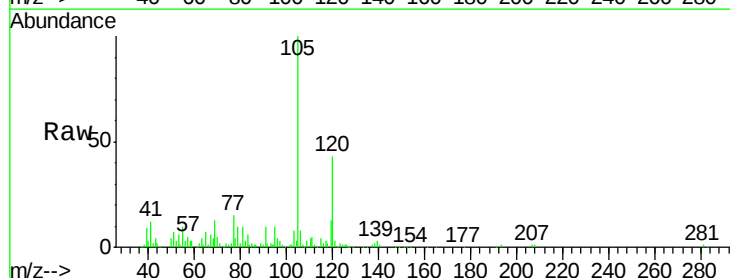
Acq: 09 Jul 2020 18:33

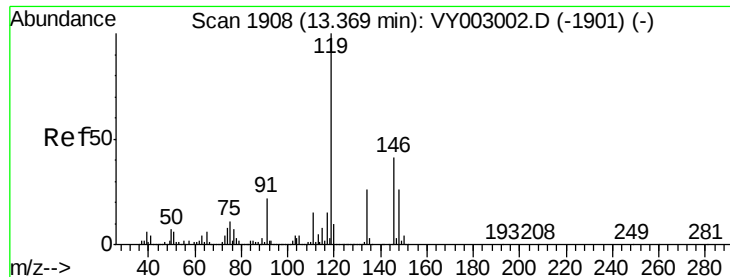
Tgt Ion: 105 Resp: 42483

Ion Ratio Lower Upper

105 100

120 42.8 22.6 67.8

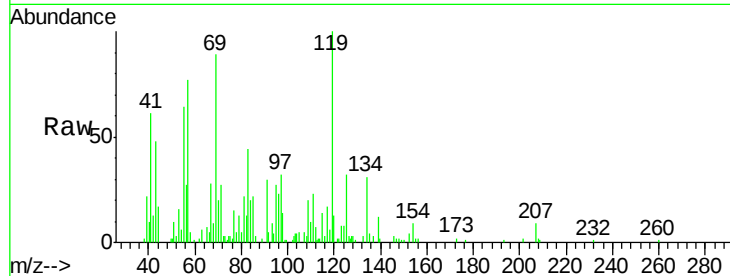




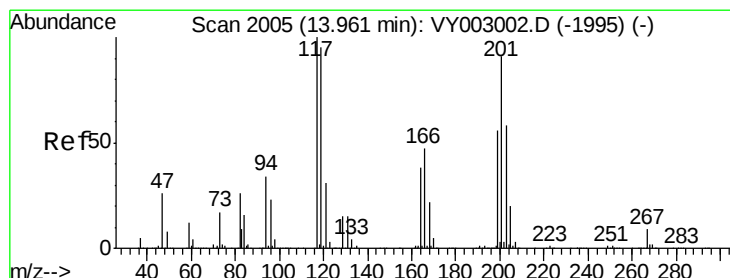
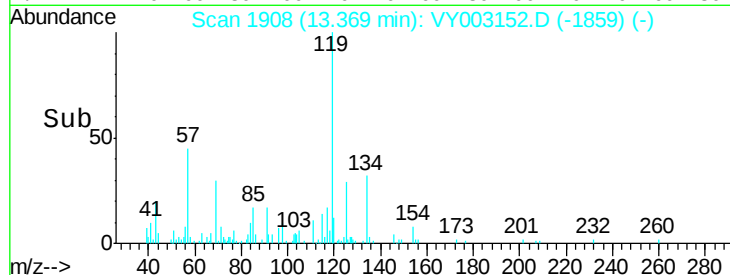
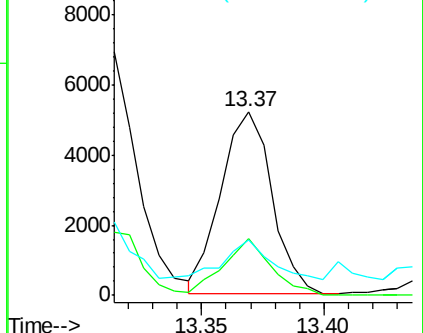
#86
p-Isopropyltoluene
Concen: 1.030 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VY003152.D
Acq: 09 Jul 2020 18:33

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-33

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.5	13.5	40.4
91	19.4	11.5	34.5

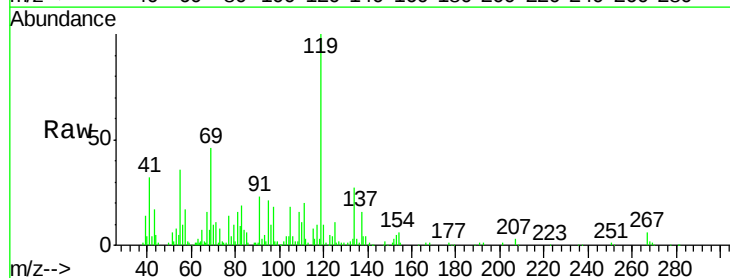


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

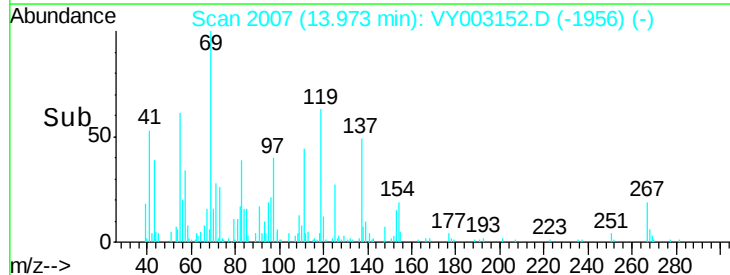
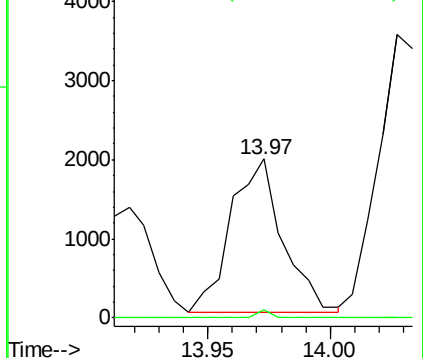


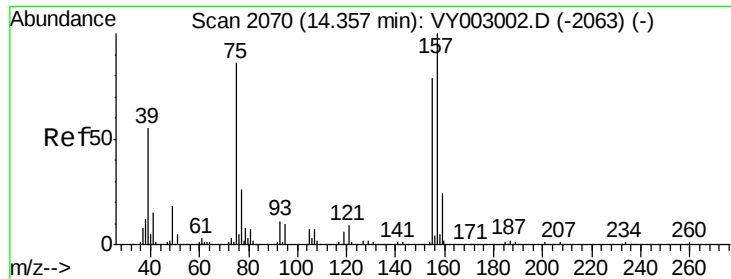
#90
Hexachloroethane
Concen: 1.964 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY003152.D
Acq: 09 Jul 2020 18:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	1.3	45.5	136.4#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

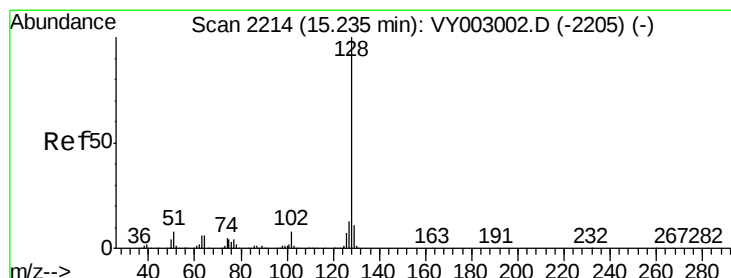
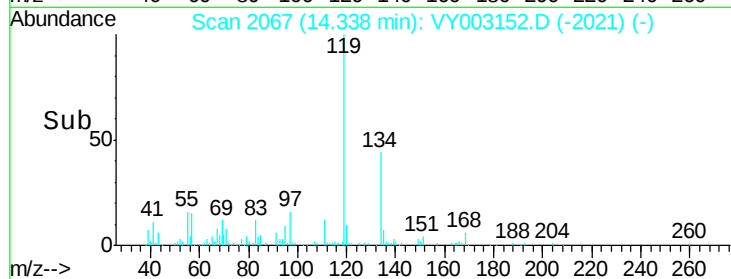
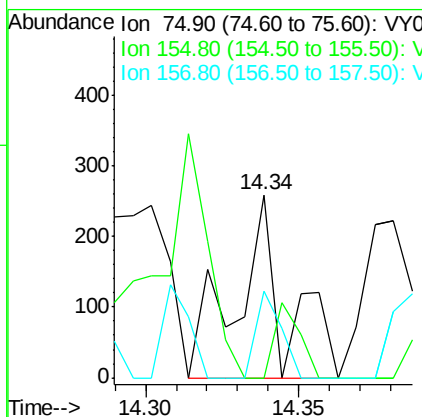
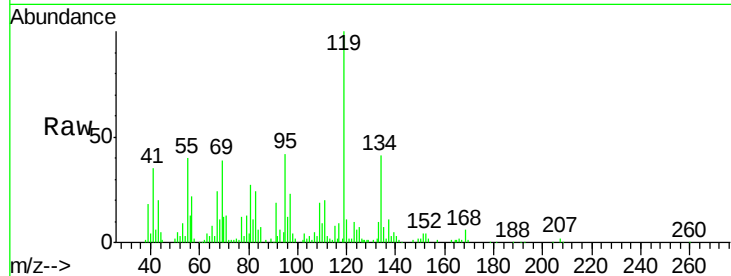




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.070 ug/l
 RT: 14.34 min Scan# 2067
 Delta R.T. -0.02 min
 Lab File: VY003152.D
 Acq: 09 Jul 2020 18:33

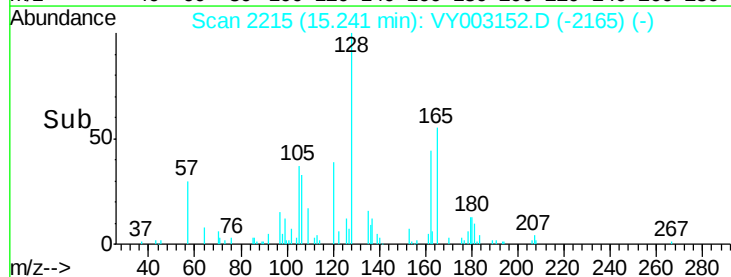
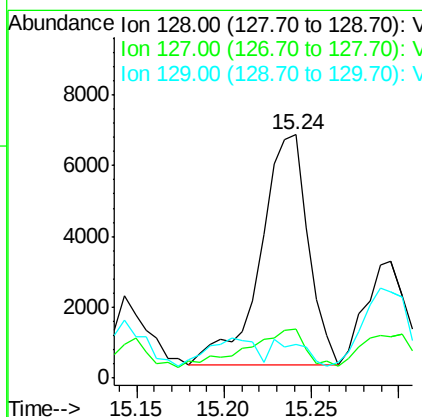
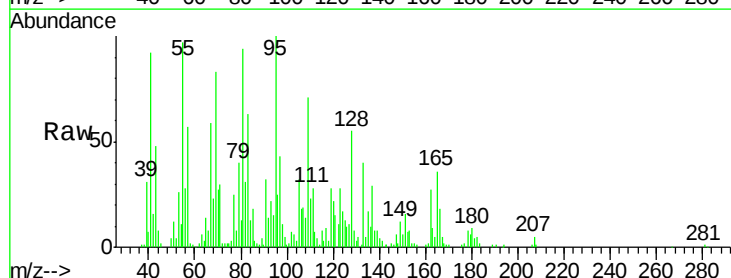
Instrument :
 MSVOA_Y
 ClientSampled :
 CHRT-33

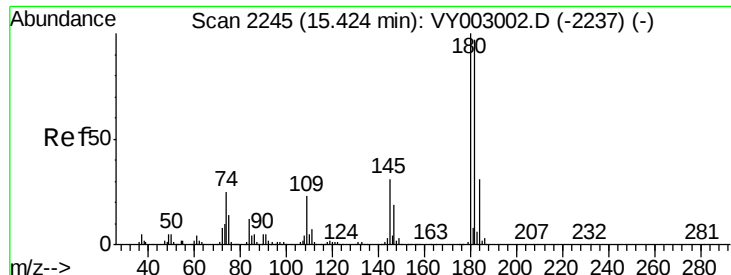
Tot Ion: 75 Resp: 296
 Ion Ratio Lower Upper
 75 100
 155 20.6 46.5 139.3#
 157 23.6 59.2 177.5#



#95
 Naphthalene
 Concen: 2.749 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. 0.01 min
 Lab File: VY003152.D
 Acq: 09 Jul 2020 18:33

Tgt Ion: 128 Resp: 12413
 Ion Ratio Lower Upper
 128 100
 127 20.5 10.8 16.2#
 129 7.5 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.788 ug/l
 RT: 15.45 min Scan# 2249
 Delta R.T. 0.02 min
 Lab File: VY003152.D
 Acq: 09 Jul 2020 18:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-33

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	0.0	14.7	44.1#

