

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070920\
 Data File : VY003145.D
 Acq On : 09 Jul 2020 15:46
 Operator : SY/MD
 Sample : L3255-01
 Misc : 5.84G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-57

Quant Time: Jul 10 03:42:18 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	299322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	474143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	443706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	202227	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	161171	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
35) Dibromofluoromethane	7.72	113	155882	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
50) Toluene-d8	10.18	98	563844	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.48	95	188549	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	

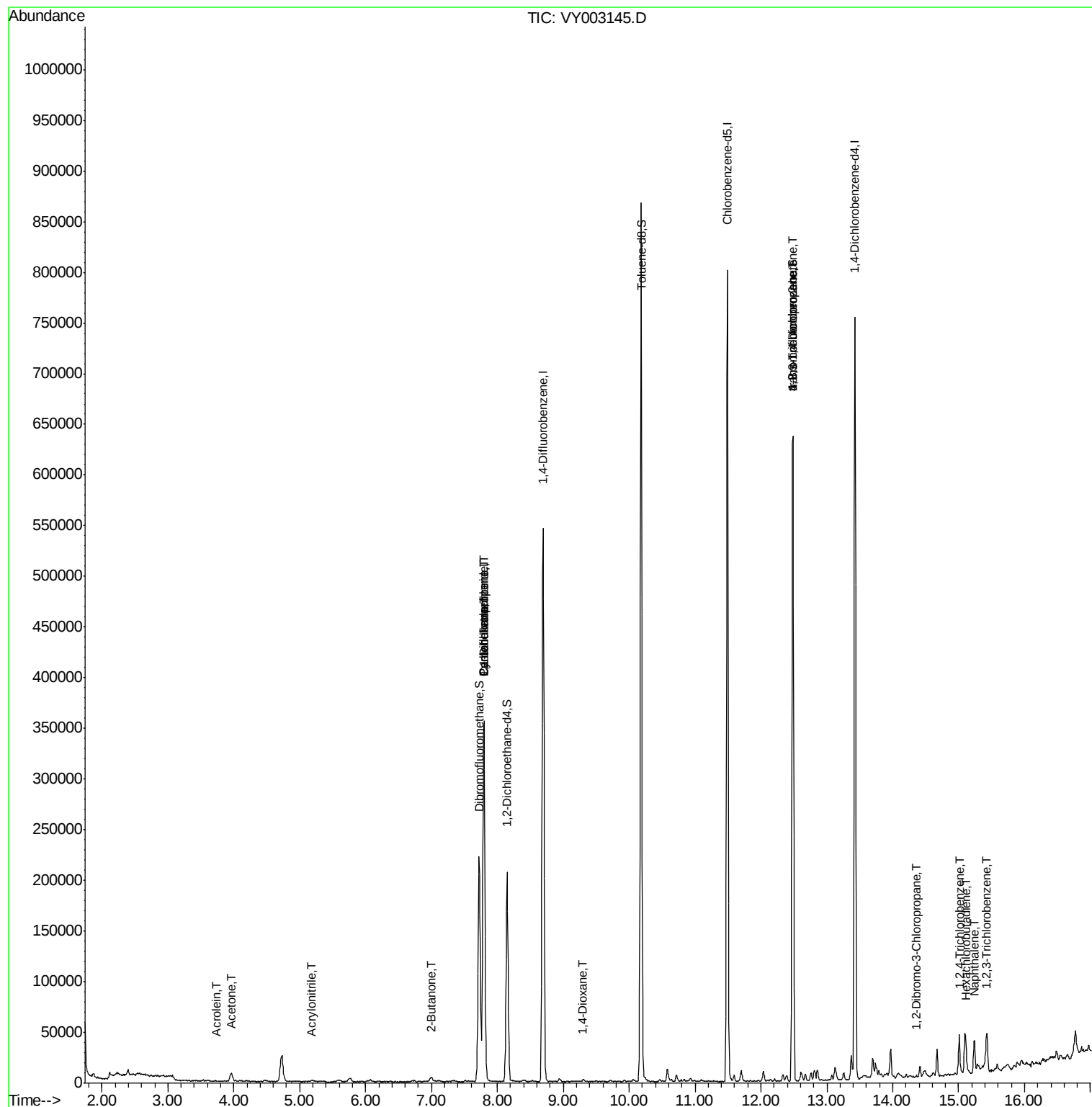
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.73	56	369	1.356	ug/l #	22
15) Acrylonitrile	5.18	53	1393	1.725	ug/l #	85
16) Acetone	3.96	43	15300	21.821	ug/l	91
20) Methylene Chloride	4.73	84	19924	Below Cal		88
25) 2-Butanone	7.00	43	7018	6.301	ug/l #	77
31) Cyclohexane	7.80	56	5389	1.031	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20746	4.542	ug/l #	51
38) Carbon Tetrachloride	7.79	117	26380	5.552	ug/l #	16
49) 1,4-Dioxane	9.30	88	80	3.488	ug/l #	65
76) 1,2,3-Trichloropropane	12.48	75	93825	46.879	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	93825	91.207	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.35	75	523	1.106	ug/l	73
93) 1,2,4-Trichlorobenzene	15.01	180	11720	2.775	ug/l	96
94) Hexachlorobutadiene	15.12	225	4169	1.565	ug/l	92
95) Naphthalene	15.23	128	25773	3.341	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	12677	3.456	ug/l	98

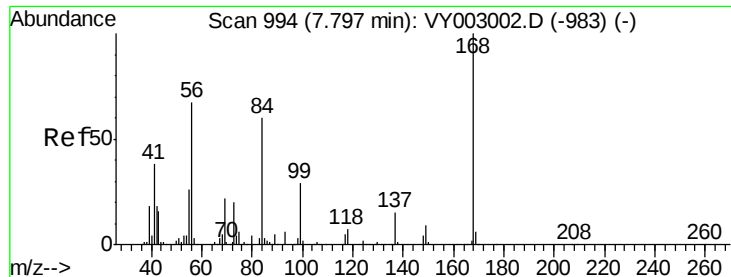
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070920\
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Quant Time: Jul 10 03:42:18 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: VY003145.D

Acq: 09 Jul 2020 15:46

Instrument :

MSVOA_Y

ClientSampleId :

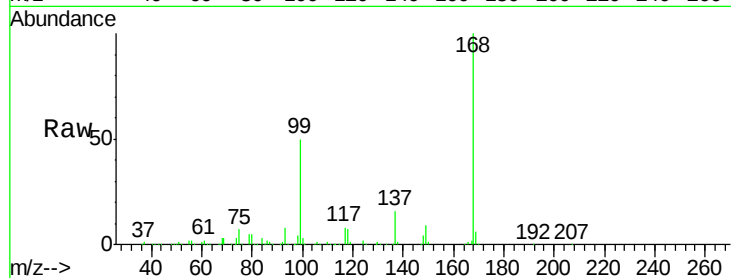
CHRT-57

Tot Ion:168 Resp: 299322

Ion Ratio Lower Upper

168 100

99 49.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003145.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003145.D (-945) (-)

7.80

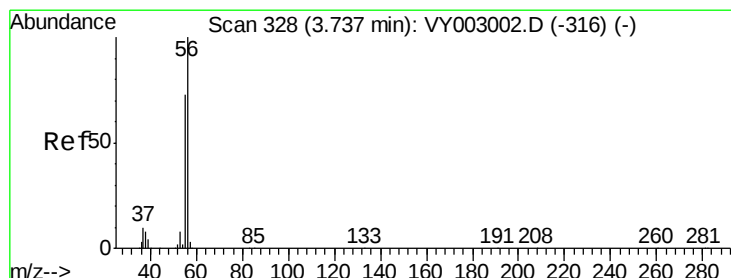
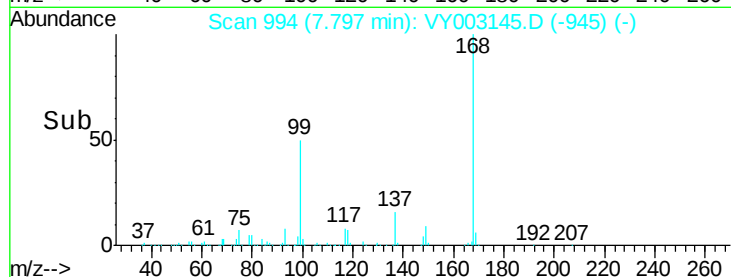
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1.356 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY003145.D

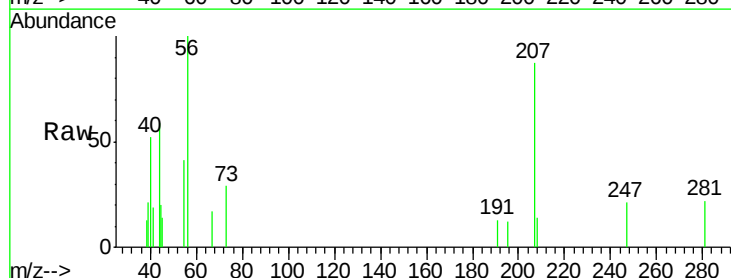
Acq: 09 Jul 2020 15:46

Tgt Ion: 56 Resp: 369

Ion Ratio Lower Upper

56 100

55 134.7 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VY003145.D (-279) (-)

Ion 55.00 (54.70 to 55.70): VY003145.D (-279) (-)

3.73

500

400

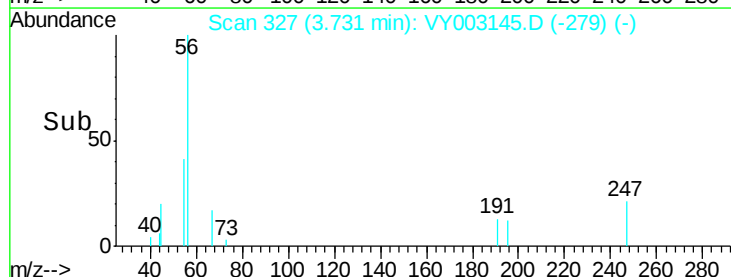
300

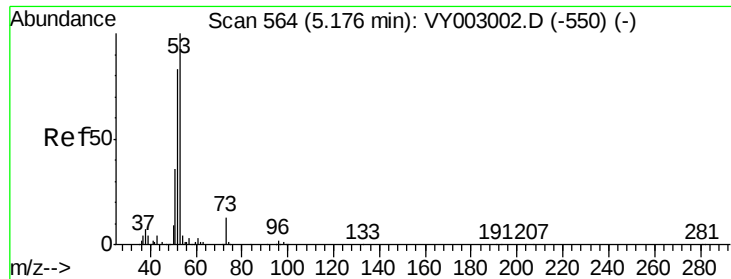
200

100

0

Time-->





#15

Acrylonitrile

Concen: 1.725 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-57

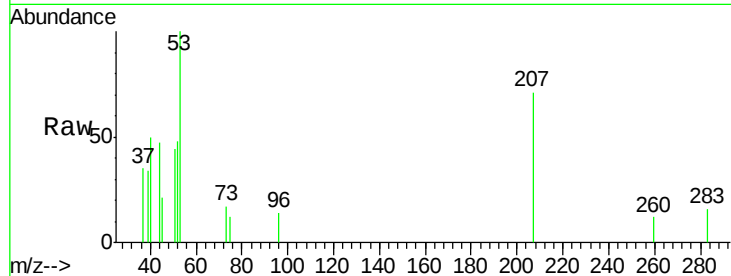
Tot Ion: 53 Resp: 1393

Ion Ratio Lower Upper

53 100

52 74.3 66.2 99.2

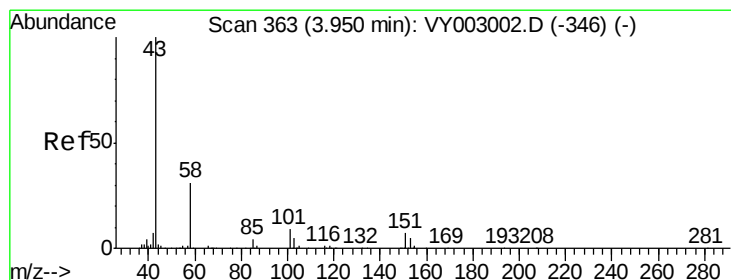
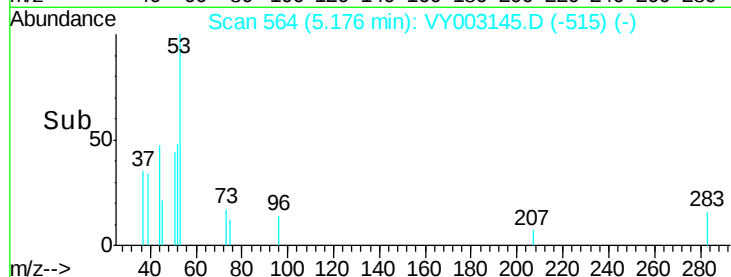
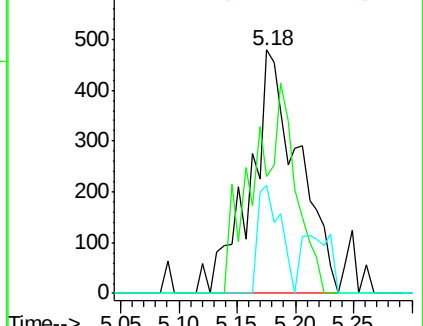
51 20.4 29.5 44.3#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 21.821 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003145.D

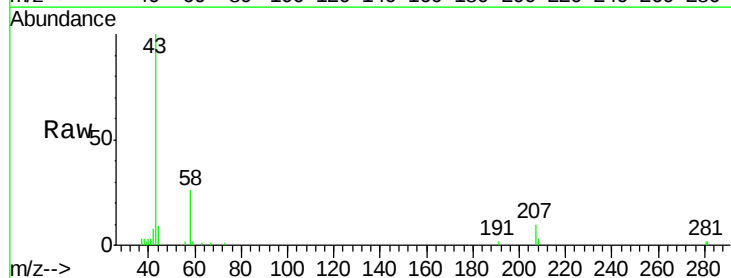
Acq: 09 Jul 2020 15:46

Tgt Ion: 43 Resp: 15300

Ion Ratio Lower Upper

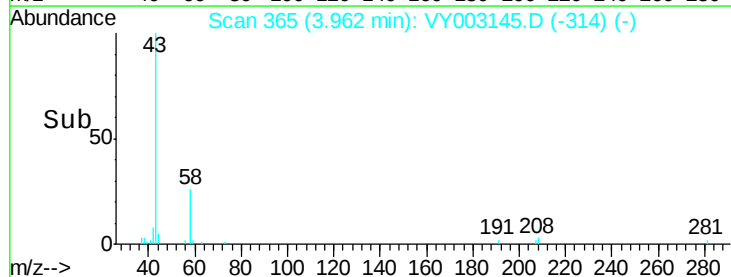
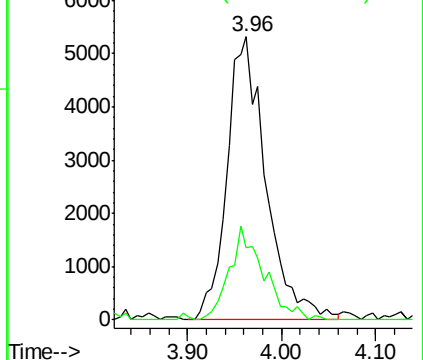
43 100

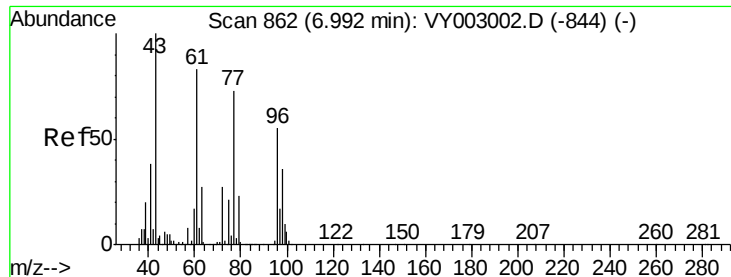
58 25.7 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

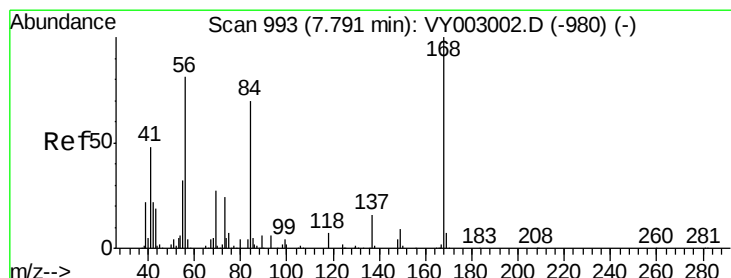
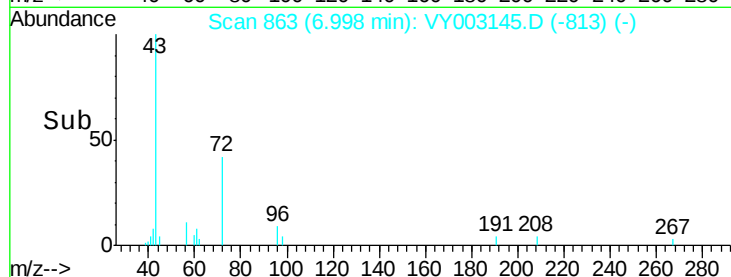
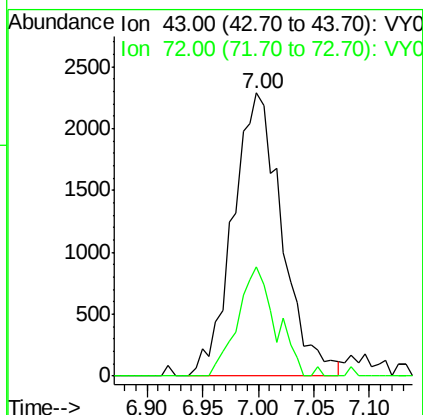
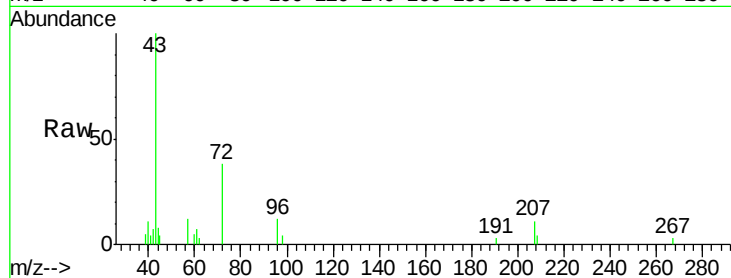




#25
2-Butanone
Concen: 6.301 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003145.D
Acq: 09 Jul 2020 15:46

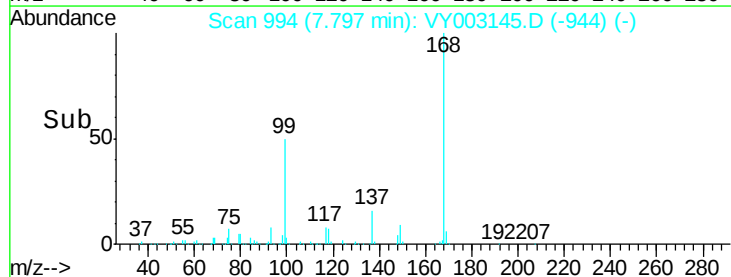
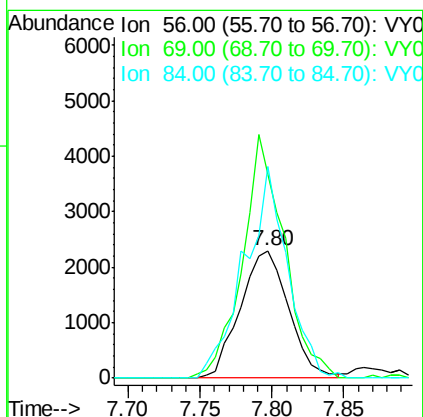
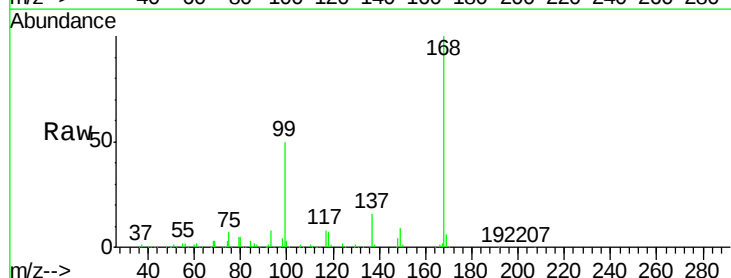
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-57

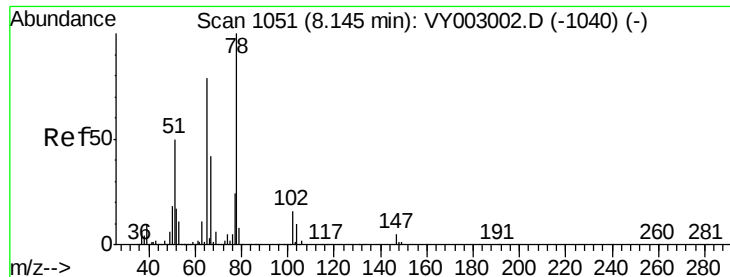
Tot Ion: 43 Resp: 7018
Ion Ratio Lower Upper
43 100
72 38.5 21.4 32.0#



#31
Cyclohexane
Concen: 1.031 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003145.D
Acq: 09 Jul 2020 15:46

Tgt Ion: 56 Resp: 5389
Ion Ratio Lower Upper
56 100
69 160.3 27.0 40.4#
84 165.9 68.1 102.1#

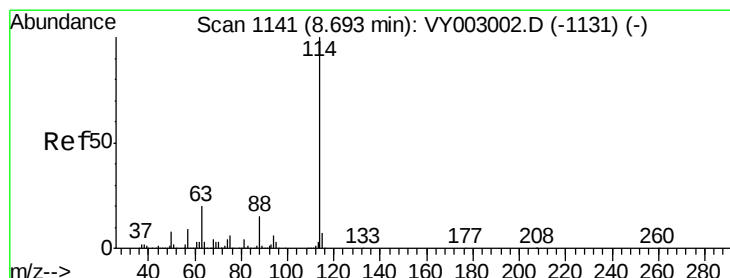
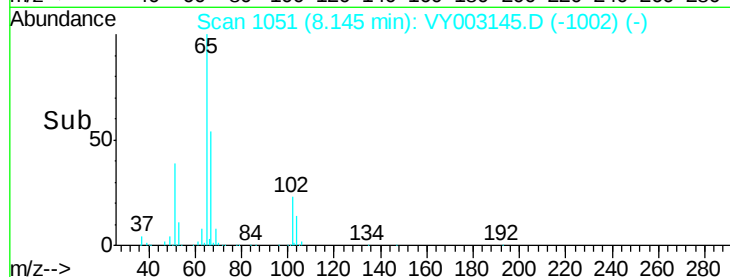
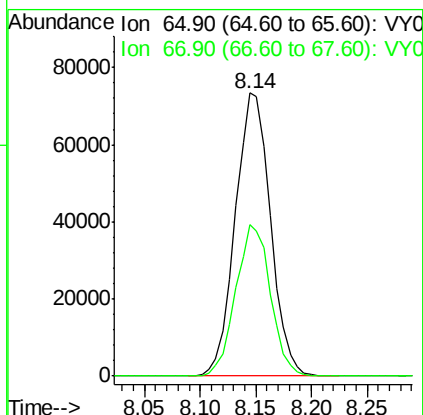
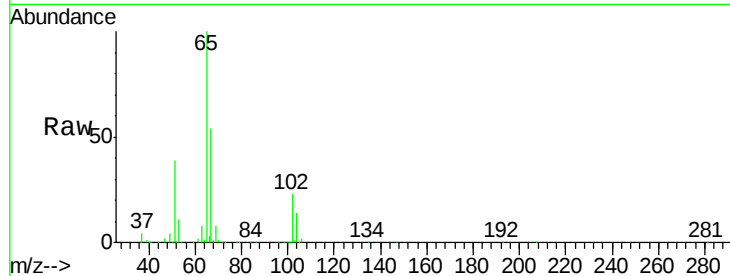




#33
 1,2-Dichloroethane-d4
 Concen: 54.214 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003145.D
 Acq: 09 Jul 2020 15:46

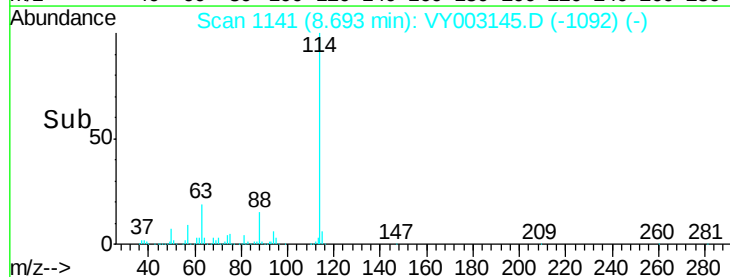
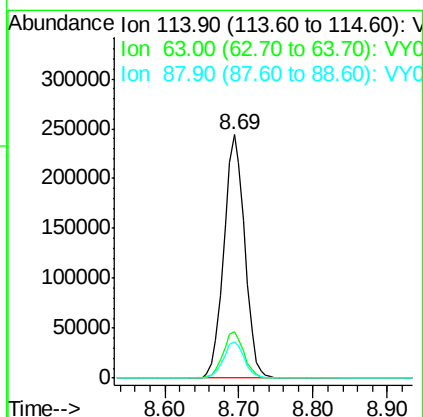
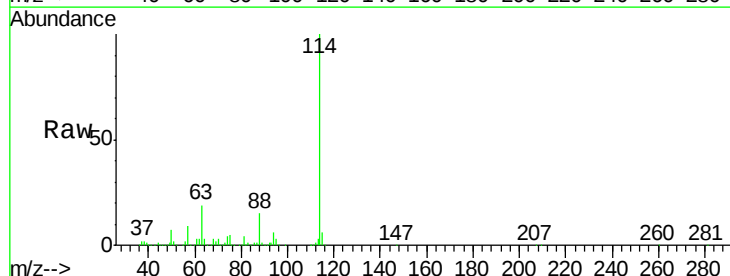
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-57

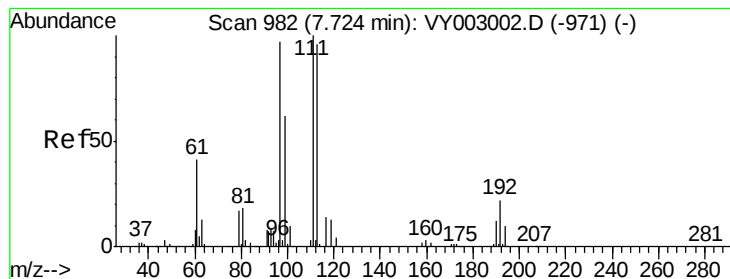
Tot Ion: 65 Resp: 161171
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003145.D
 Acq: 09 Jul 2020 15:46

Tgt Ion: 114 Resp: 474143
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.6
 88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.702 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-57

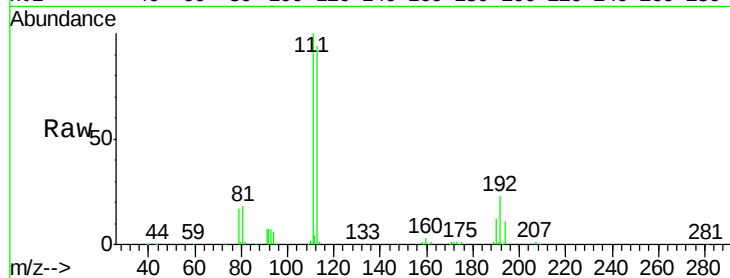
Tot Ion:113 Resp: 155882

Ion Ratio Lower Upper

113 100

111 101.2 82.6 123.8

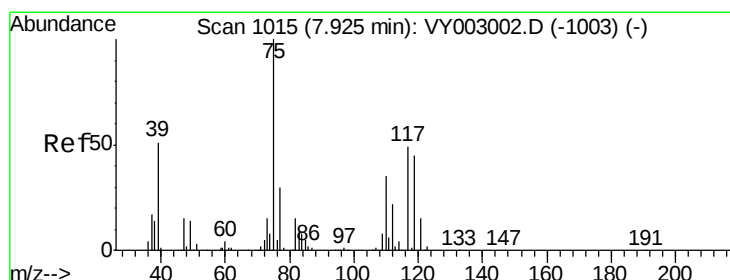
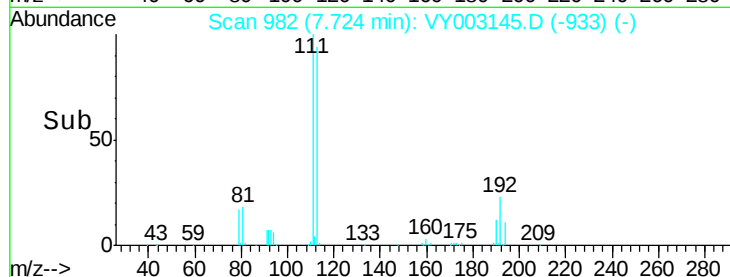
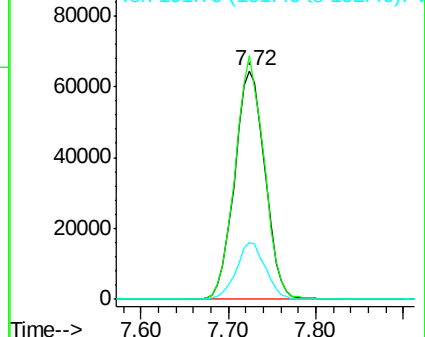
192 23.9 18.1 27.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.542 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

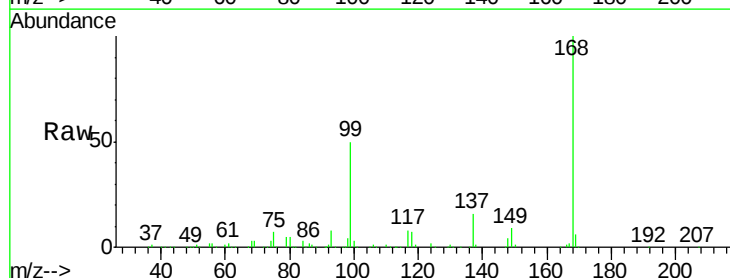
Tgt Ion: 75 Resp: 20746

Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.2#

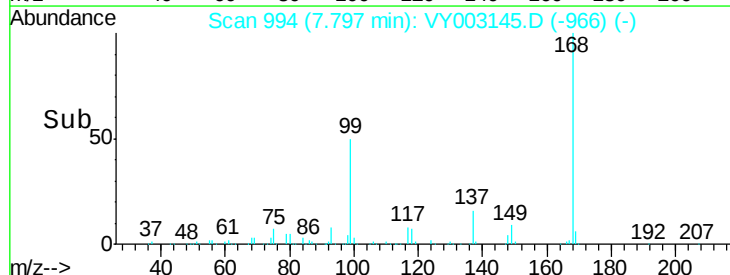
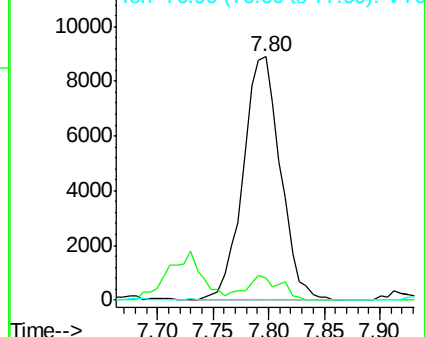
77 0.0 24.9 37.3#

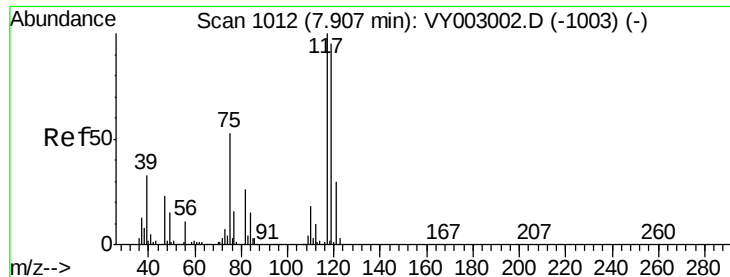


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.552 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

Instrument :

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CHRT-57

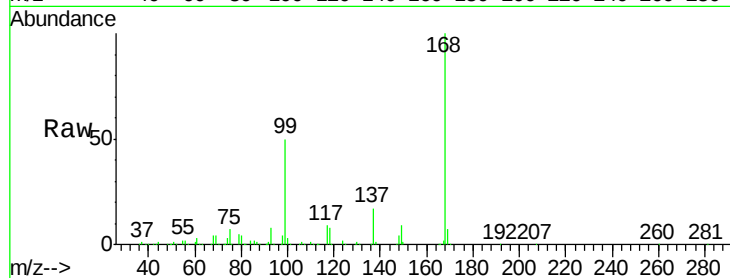
Tot Ion:117 Resp: 26380

Ion Ratio Lower Upper

117 100

119 4.7 75.7 113.5#

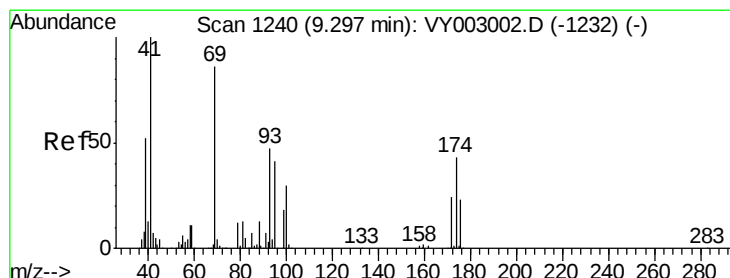
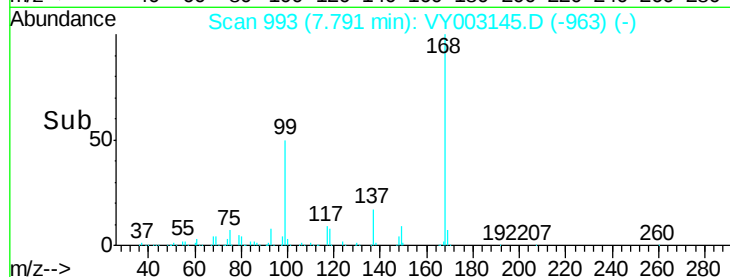
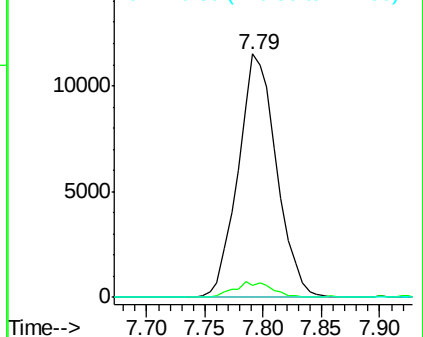
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 3.488 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

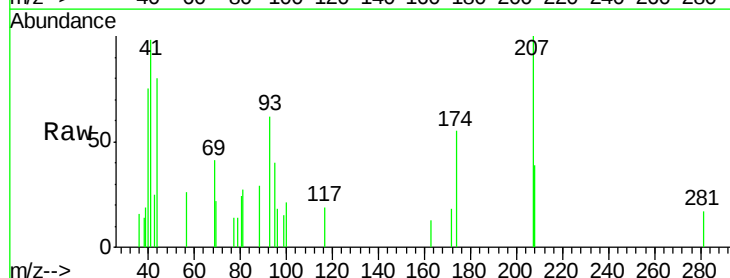
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

43 87.5 28.6 42.8#

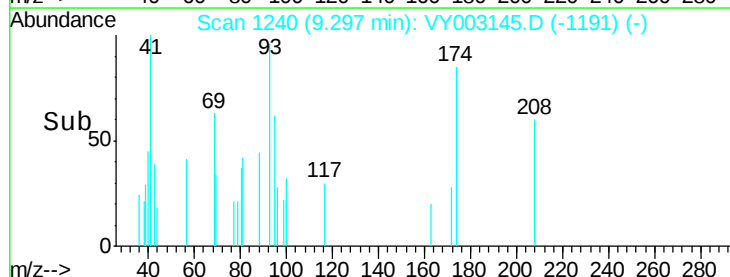
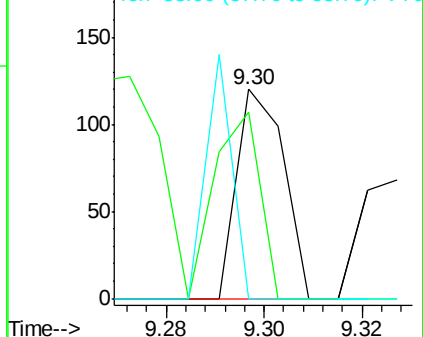
58 63.7 56.7 85.1

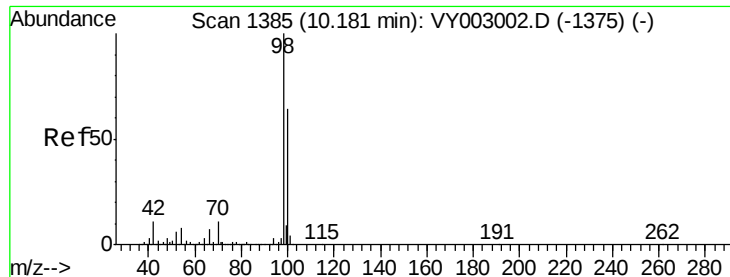


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.170 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

Instrument :

MSVOA_Y

ClientSampleId :

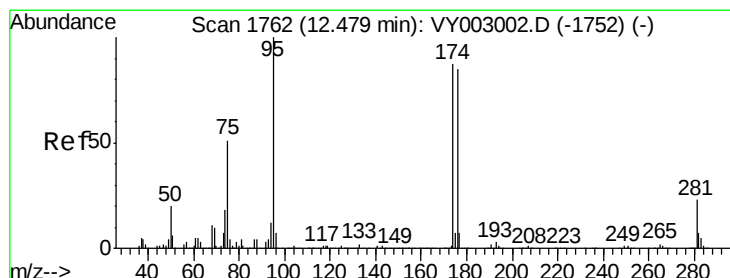
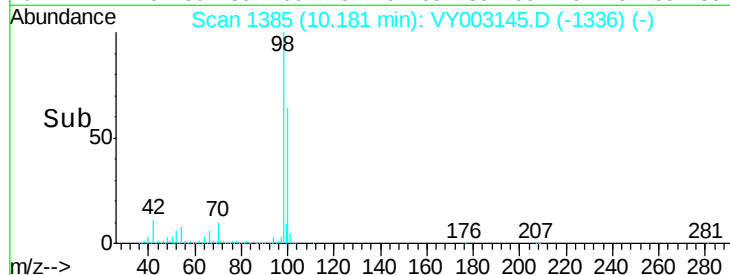
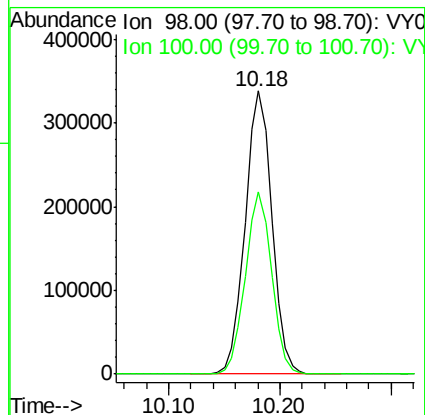
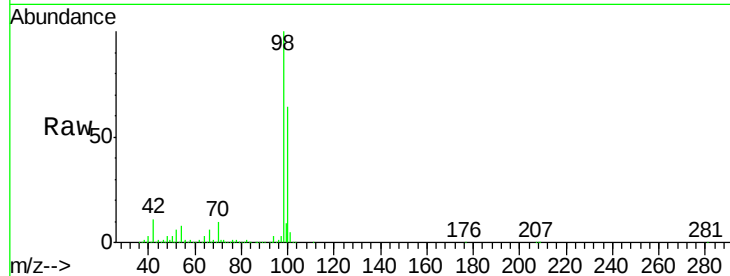
CHRT-57

Tot Ion: 98 Resp: 563844

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 48.611 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

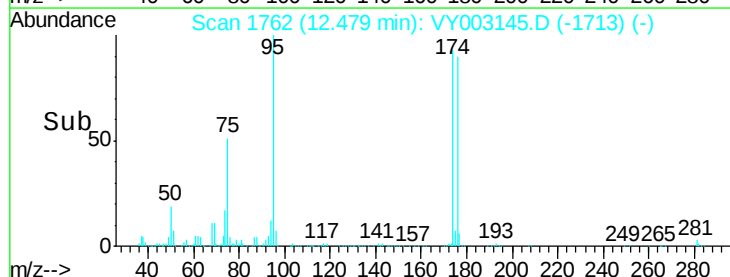
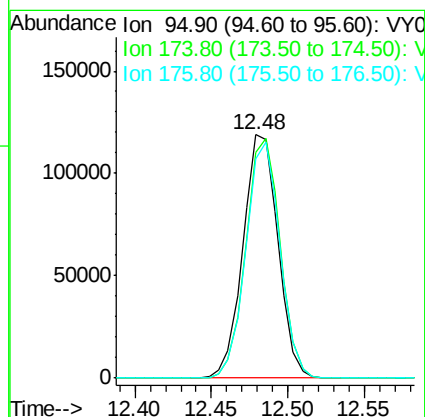
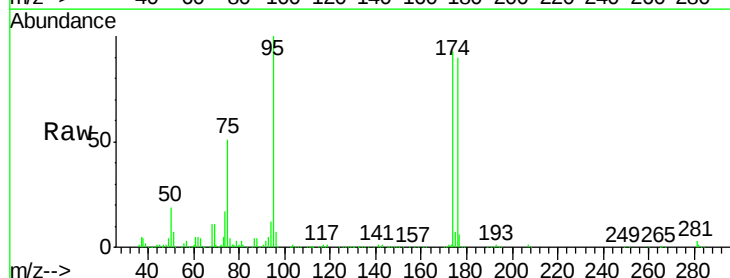
Tgt Ion: 95 Resp: 188549

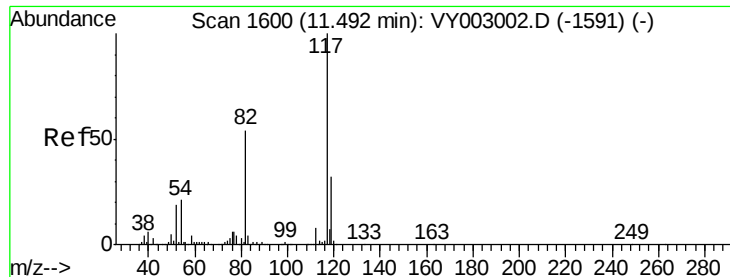
Ion Ratio Lower Upper

95 100

174 96.8 0.0 184.8

176 94.8 0.0 183.0

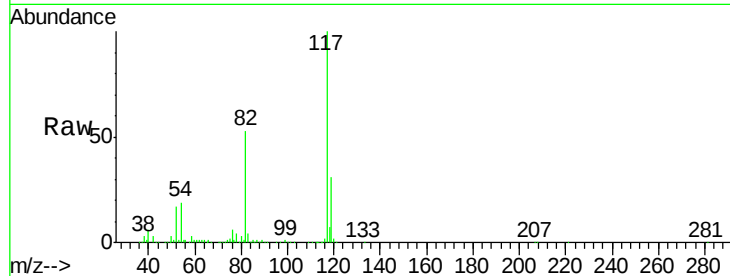




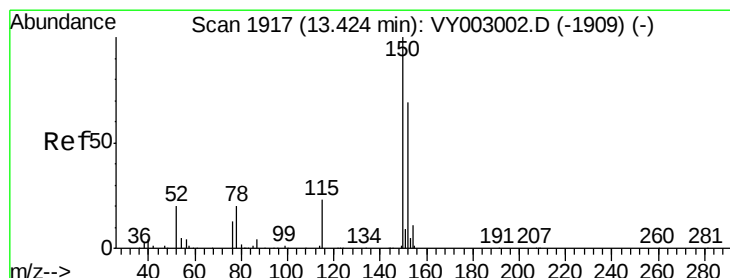
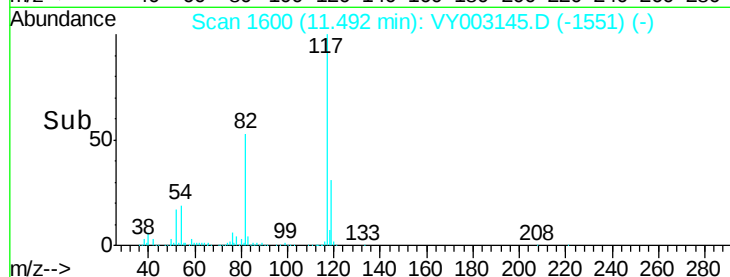
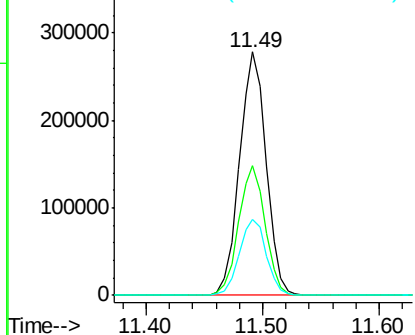
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003145.D
Acq: 09 Jul 2020 15:46

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-57

Tot Ion:117 Resp: 443706
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.6
119 31.4 25.8 38.8

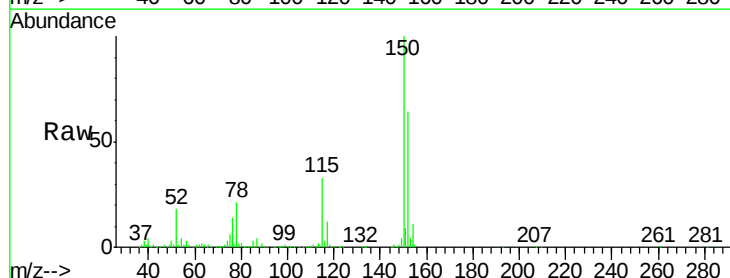


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

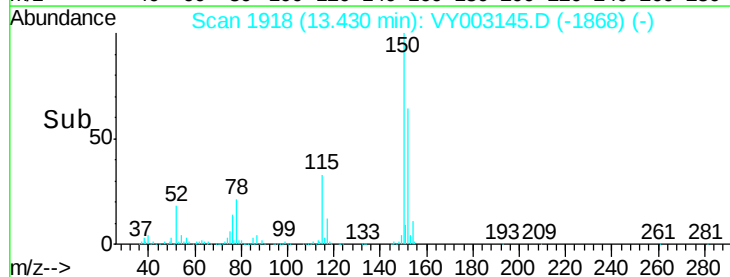
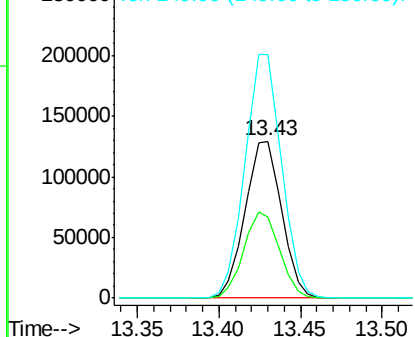


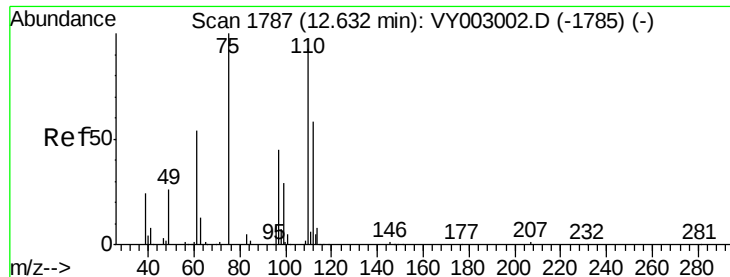
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VY003145.D
Acq: 09 Jul 2020 15:46

Tgt Ion:152 Resp: 202227
Ion Ratio Lower Upper
152 100
115 53.8 27.3 81.9
150 156.0 0.0 343.4



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





#76

1,2,3-Trichloropropane

Concen: 46.879 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

Instrument :

MSVOA_Y

ClientSampleId :

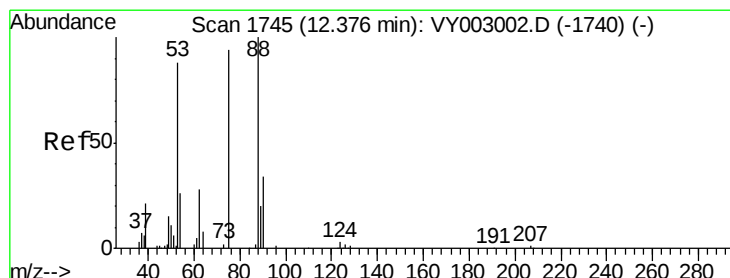
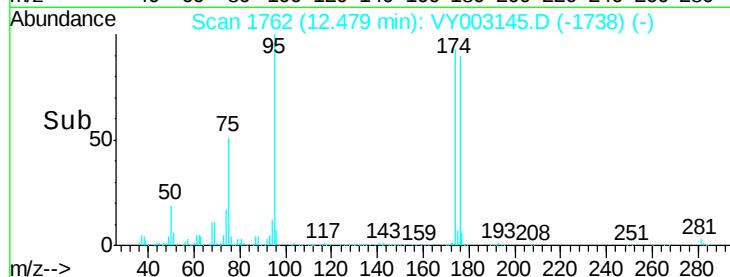
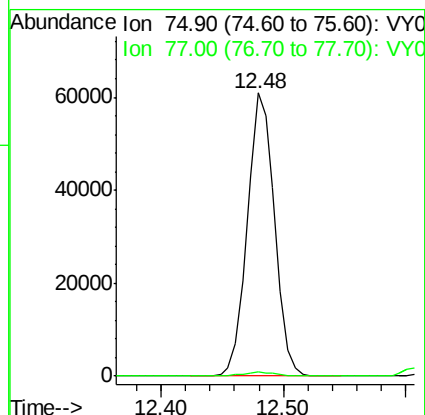
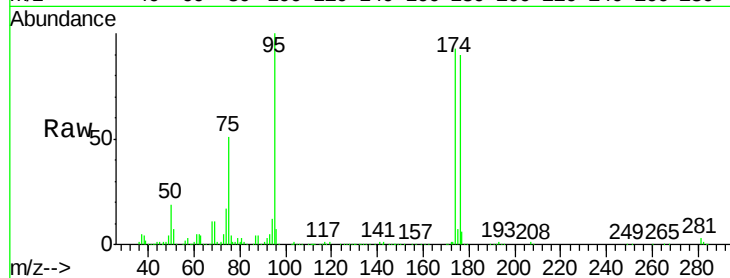
CHRT-57

Tot Ion: 75 Resp: 93825

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.207 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

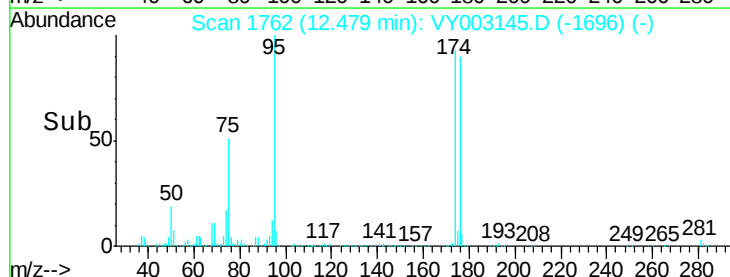
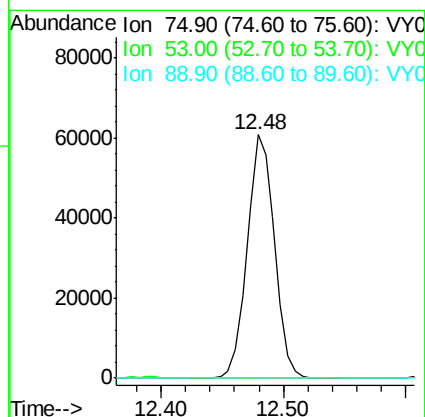
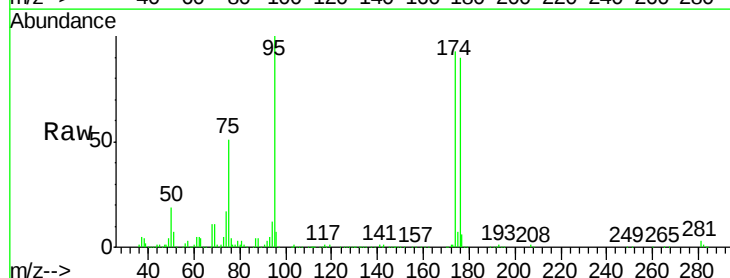
Tgt Ion: 75 Resp: 93825

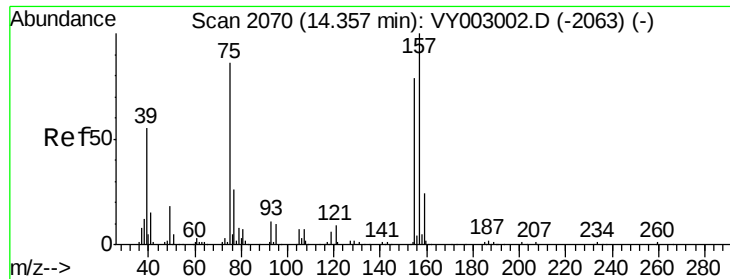
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.1 37.5 56.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.106 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. -0.01 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-57

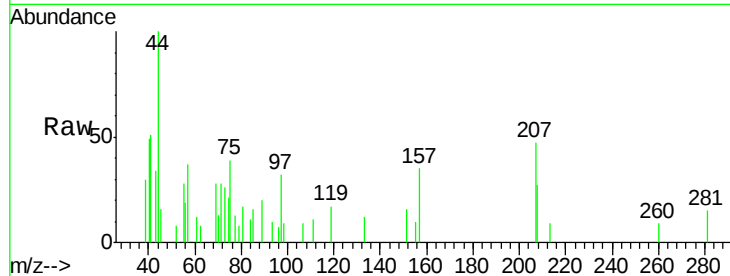
Tot Ion: 75 Resp: 523

Ion Ratio Lower Upper

75 100

155 66.2 46.5 139.3

157 89.9 59.2 177.5



Abundance Ion 74.90 (74.60 to 75.60): VY003145.D (-2063) (-)

Ion 154.80 (154.50 to 155.50): VY003145.D (-2063) (-)

Ion 156.80 (156.50 to 157.50): VY003145.D (-2063) (-)

Time-->

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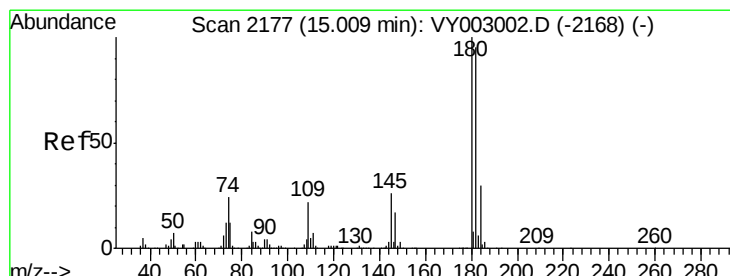
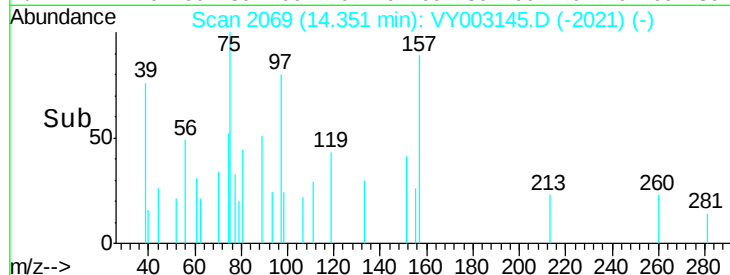
14.35

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14.35

14.35

14.35



#93

1,2,4-Trichlorobenzene

Concen: 2.775 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

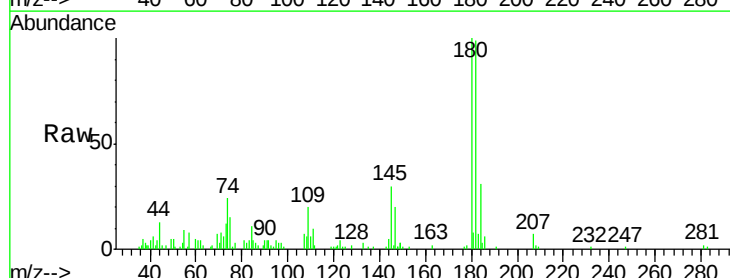
Tgt Ion: 180 Resp: 11720

Ion Ratio Lower Upper

180 100

182 92.6 48.1 144.3

145 25.8 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): VY003145.D (-2168) (-)

Ion 181.80 (181.50 to 182.50): VY003145.D (-2168) (-)

Ion 144.80 (144.50 to 145.50): VY003145.D (-2168) (-)

Time-->

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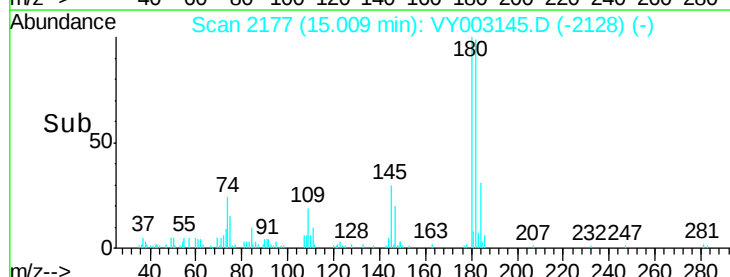
15.01

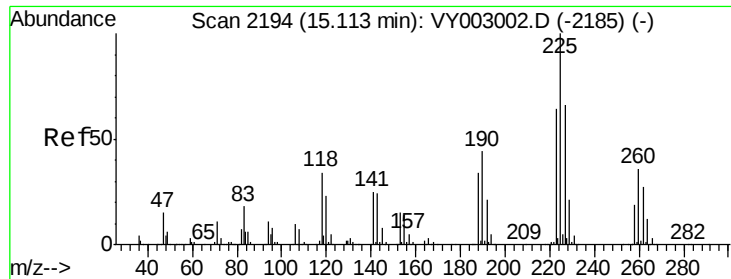
15.01

15.01

15.01

15.01

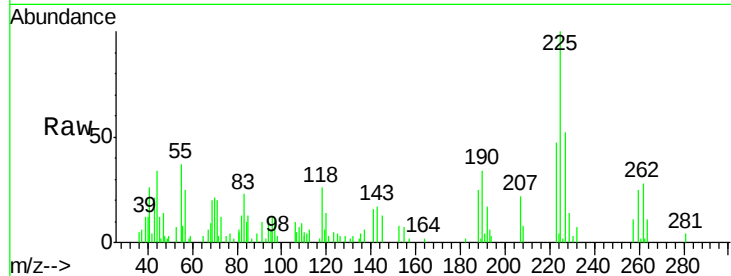




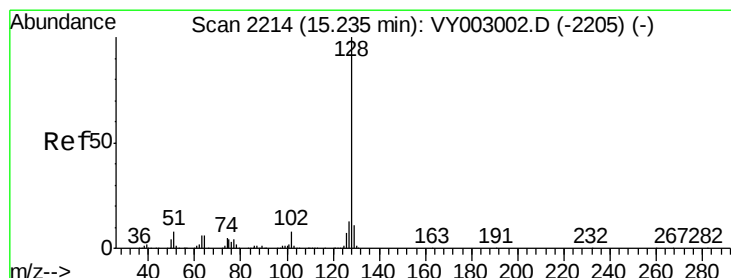
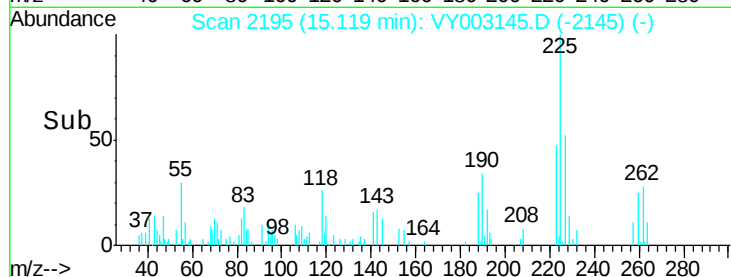
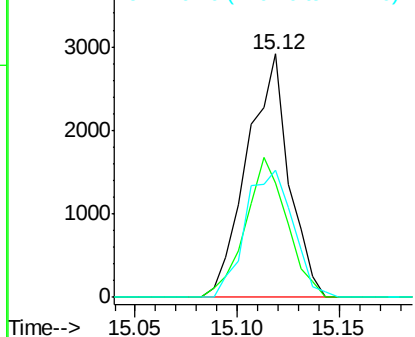
#94
Hexachlorobutadiene
Concen: 1.565 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.01 min
Lab File: VY003145.D
Acq: 09 Jul 2020 15:46

Instrument :
MSVOA_Y
ClientSampled :
CHRT-57

Tot Ion:225 Resp: 4169
Ion Ratio Lower Upper
225 100
223 57.1 32.4 97.0
227 59.1 32.4 97.2

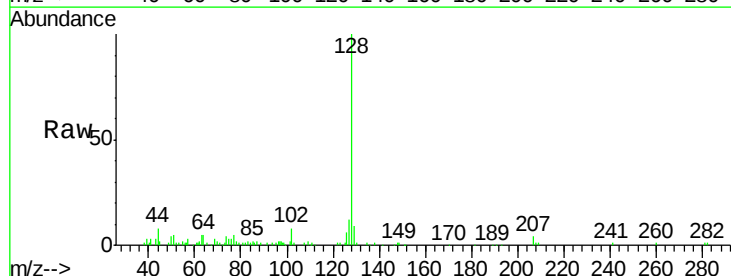


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

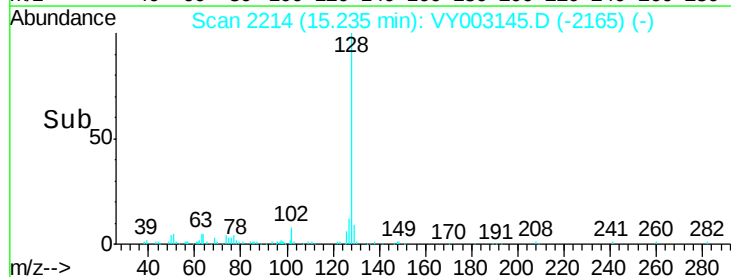
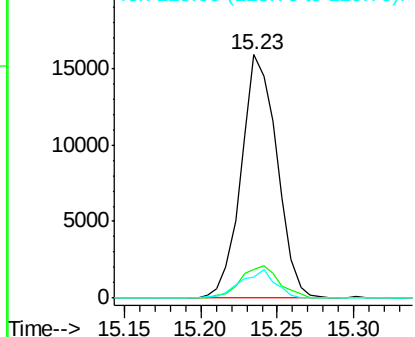


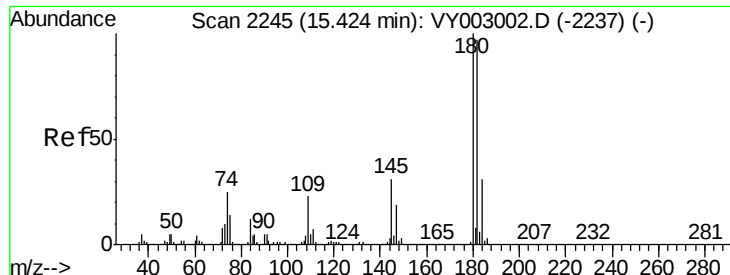
#95
Naphthalene
Concen: 3.341 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003145.D
Acq: 09 Jul 2020 15:46

Tgt Ion:128 Resp: 25773
Ion Ratio Lower Upper
128 100
127 14.2 10.8 16.2
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 3.456 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY003145.D

Acq: 09 Jul 2020 15:46

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-57

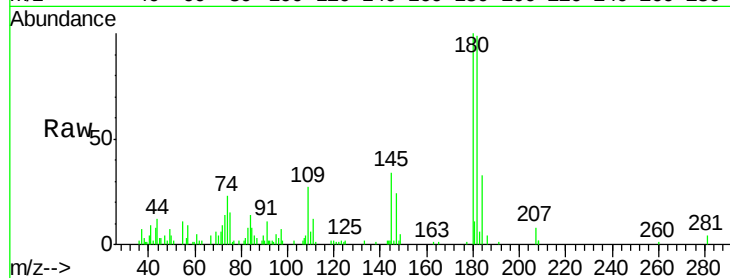
Tot Ion:180 Resp: 12677

Ion Ratio Lower Upper

180 100

182 96.0 47.8 143.3

145 32.0 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

