

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016020.D
 Acq On : 01 May 2020 18:33
 Operator : JC/SP
 Sample : L2469-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 02 07:02:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	272120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	446193	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	434452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	226555	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	176033	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
35) Dibromofluoromethane	5.47	113	134702	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	8.70	98	543158	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	11.12	95	220900	54.12	ug/l	0.00
Spiked Amount			Recovery	=	108.24%	

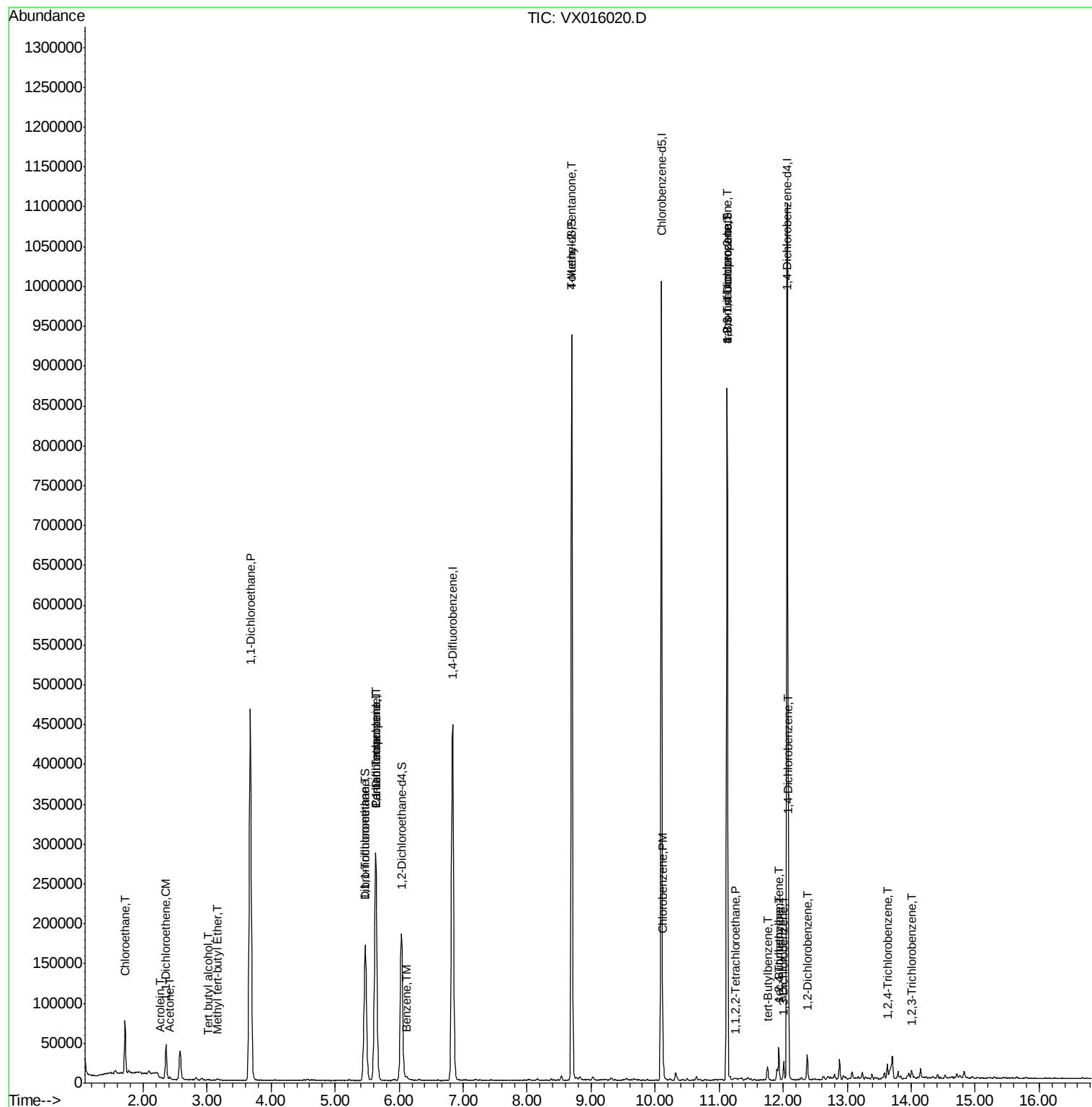
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	39521	17.728	ug/l	100
11) Tert butyl alcohol	3.01	59	949	1.099	ug/l #	81
12) 1,1-Dichloroethene	2.36	96	13532	5.197	ug/l	98
13) Acrolein	2.27	56	268	1.235	ug/l #	14
16) Acetone	2.42	43	2464	1.620	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	2154	0.229	ug/l #	80
24) 1,1-Dichloroethane	3.67	63	530437	103.166	ug/l	100
32) 1,1,1-Trichloroethane	5.47	97	10923	2.219	ug/l	97
36) 1,1-Dichloropropene	5.63	75	21274	5.006	ug/l #	50
38) Carbon Tetrachloride	5.63	117	27214	6.063	ug/l #	16
40) Benzene	6.12	78	4646	0.383	ug/l	100
51) 4-Methyl-2-Pentanone	8.70	43	2532	0.517	ug/l #	1
65) Chlorobenzene	10.12	112	8689	0.982	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	123	3.733	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	115996	24.400	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	115996	57.662	ug/l #	10
83) tert-Butylbenzene	11.76	119	6028	0.538	ug/l	97
84) 1,2,4-Trimethylbenzene	11.93	105	20582	1.575	ug/l #	30
85) sec-Butylbenzene	11.93	105	20582	1.365	ug/l	85
87) 1,3-Dichlorobenzene	12.01	146	7562	1.045	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	32892	4.499	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	8861	1.281	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	4003	0.771	ug/l #	84
96) 1,2,3-Trichlorobenzene	14.01	180	1347	0.269	ug/l #	29

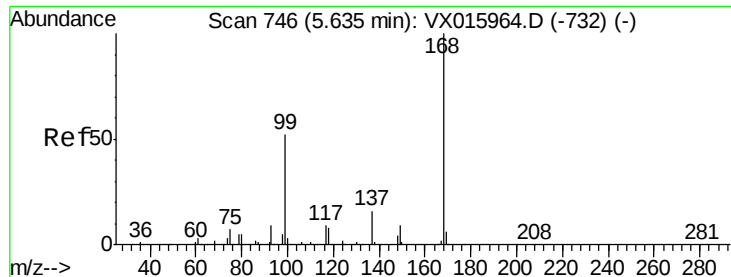
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050120\
Data File : VX016020.D
Acq On : 01 May 2020 18:33
Operator : JC/SP
Sample : L2469-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 02 07:02:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 28 17:30:11 2020
Response via : Initial Calibration



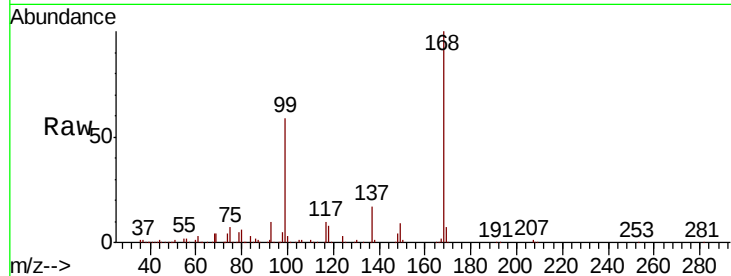


#1

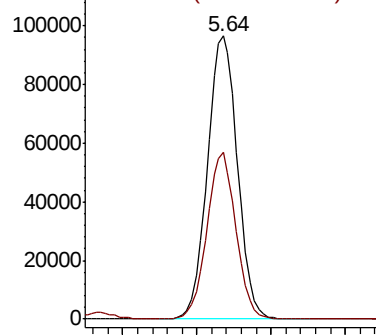
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

Instrument :
 MSVOA_X
 ClientSampled :

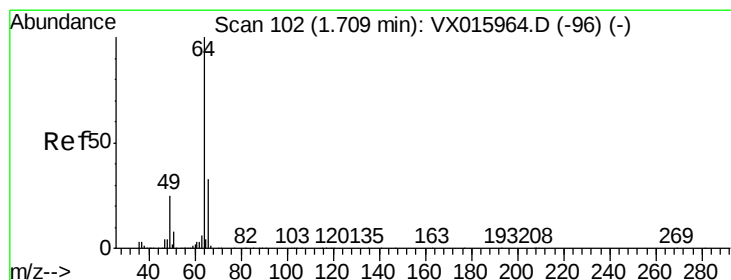
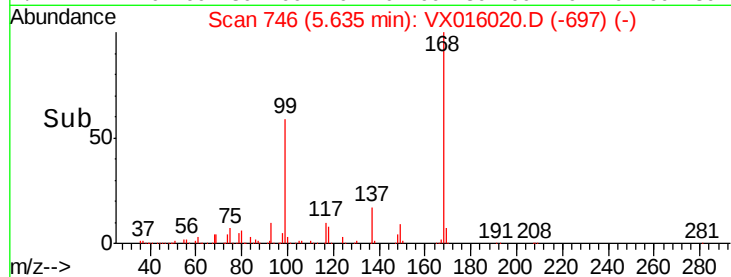
Tot Ion:168 Resp: 272120
 Ion Ratio Lower Upper
 168 100
 99 59.1 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



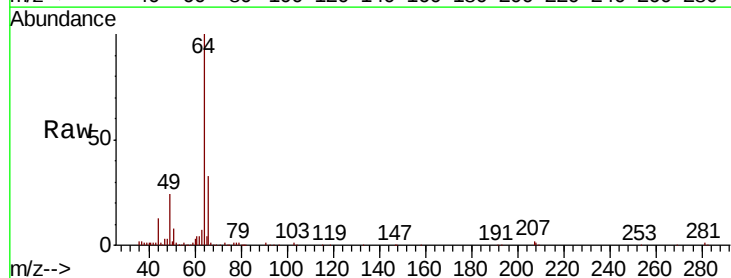
Time-->



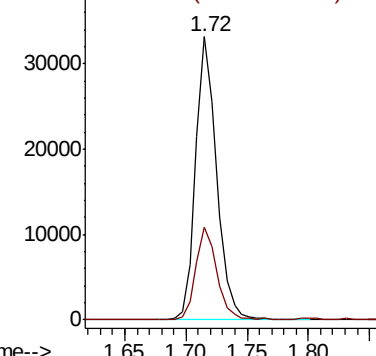
#6

Chloroethane
 Concen: 17.728 ug/l
 RT: 1.72 min Scan# 103
 Delta R.T. 0.01 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

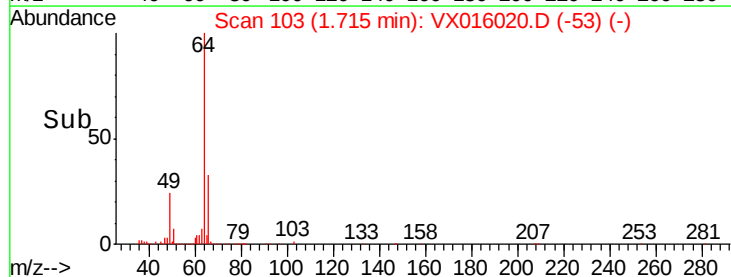
Tgt Ion: 64 Resp: 39521
 Ion Ratio Lower Upper
 64 100
 66 32.8 26.2 39.2

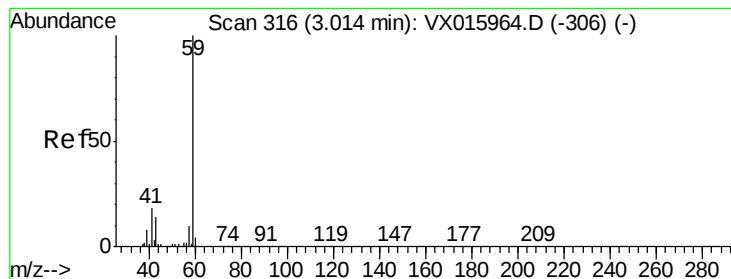


Abundance Ion 63.90 (63.60 to 64.60): VX0
 Ion 65.90 (65.60 to 66.60): VX0



Time-->



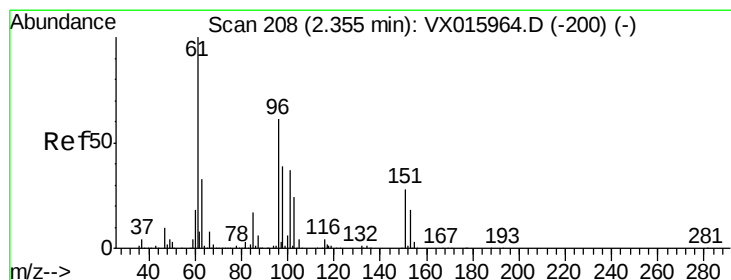
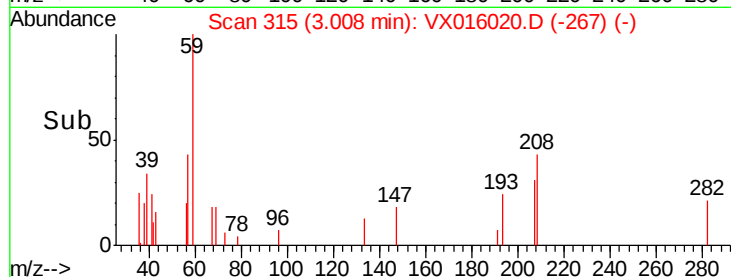
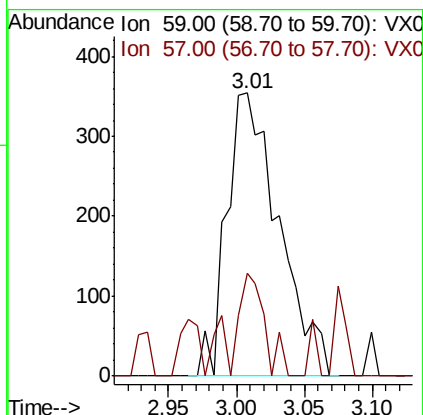
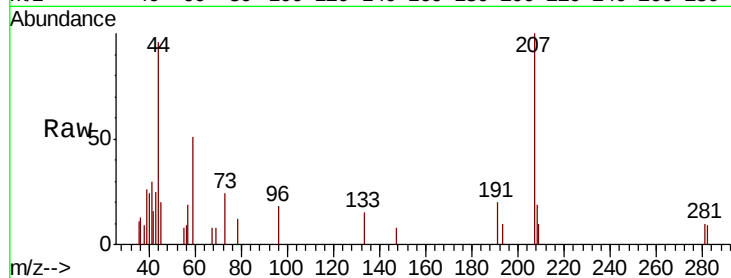


#11

Tert butyl alcohol
Concen: 1.099 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016020.D
Acq: 01 May 2020 18:33

Instrument :
MSVOA_X
ClientSampleId :

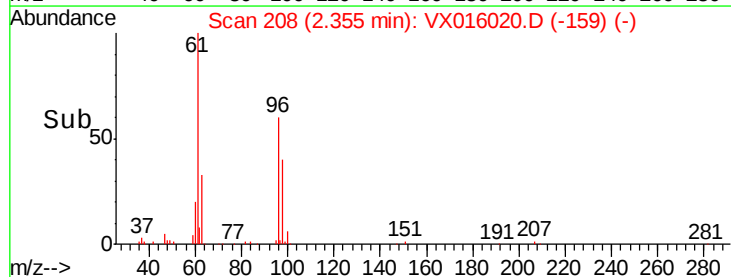
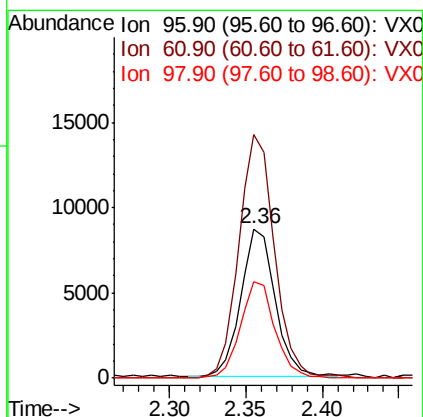
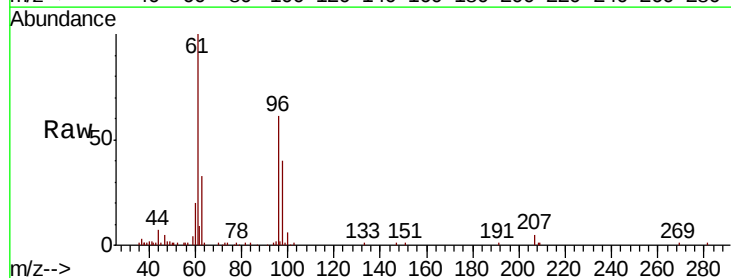
Tot Ion: 59 Resp: 949
Ion Ratio Lower Upper
59 100
57 17.5 8.3 12.5#

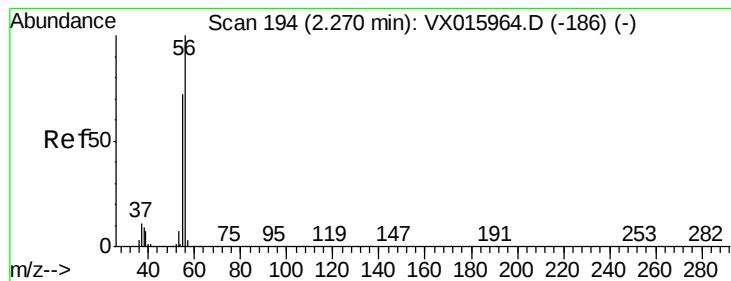


#12

1,1-Dichloroethene
Concen: 5.197 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX016020.D
Acq: 01 May 2020 18:33

Tgt Ion: 96 Resp: 13532
Ion Ratio Lower Upper
96 100
61 165.1 131.0 196.4
98 65.8 50.7 76.1





#13

Acrolein

Concen: 1.235 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

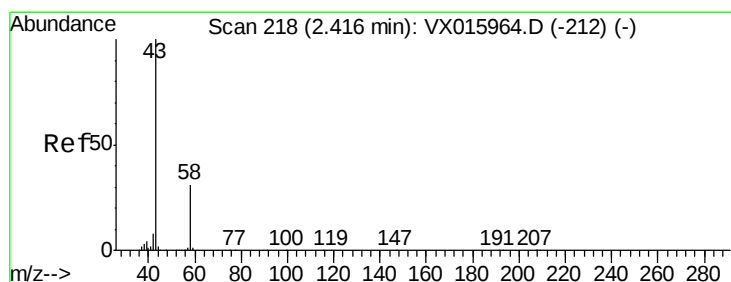
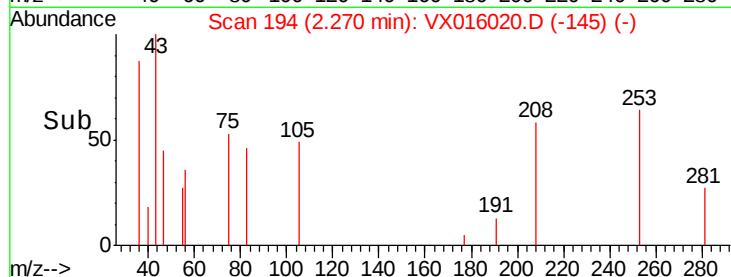
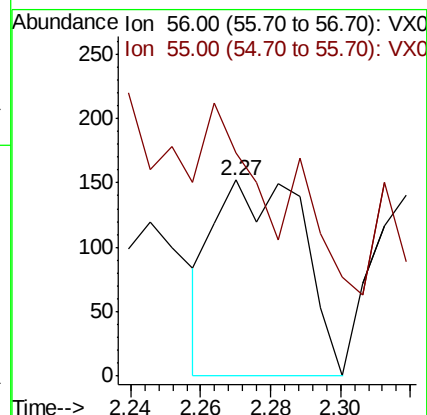
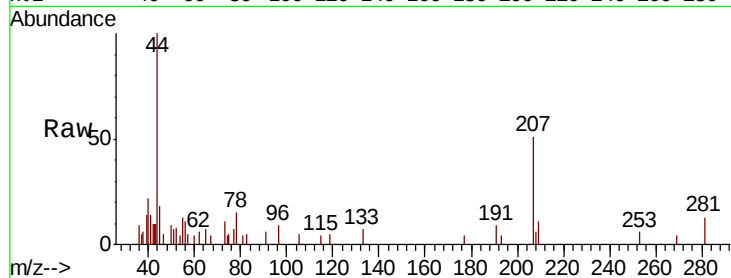
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 268

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 1.620 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016020.D

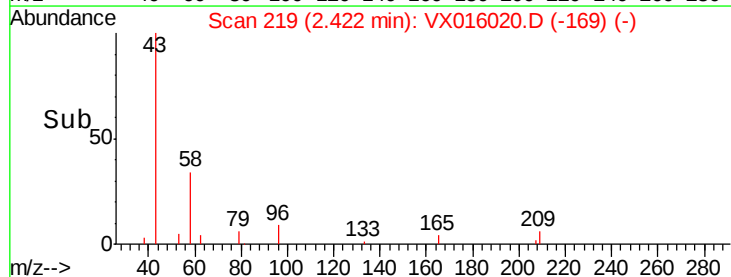
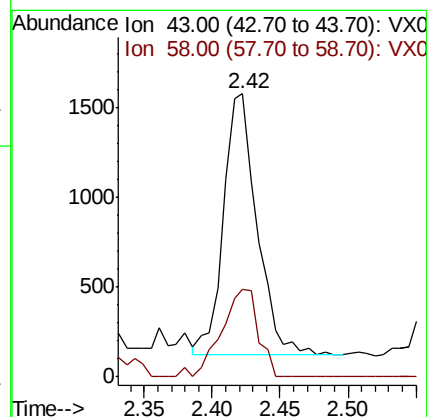
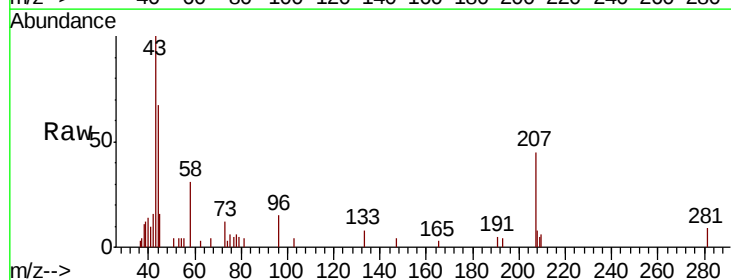
Acq: 01 May 2020 18:33

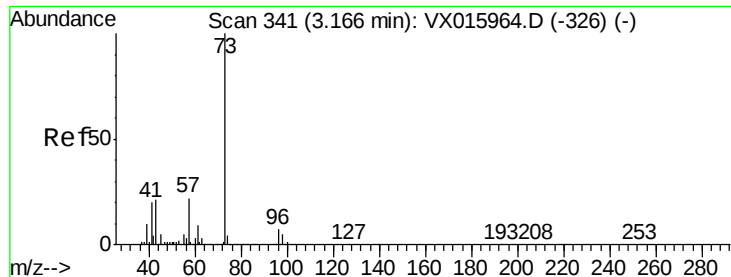
Tgt Ion: 43 Resp: 2464

Ion Ratio Lower Upper

43 100

58 33.8 25.1 37.7



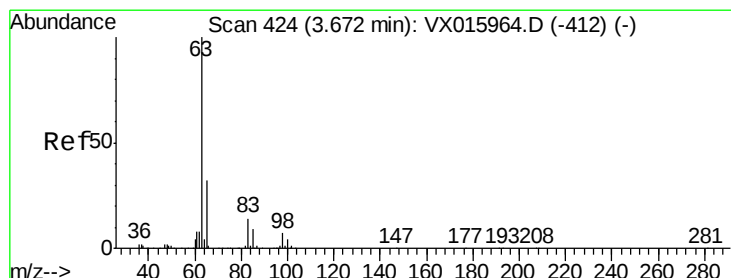
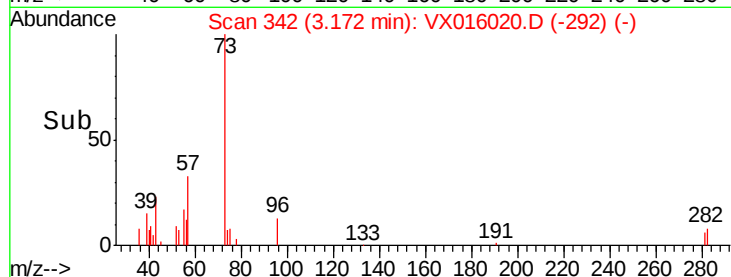
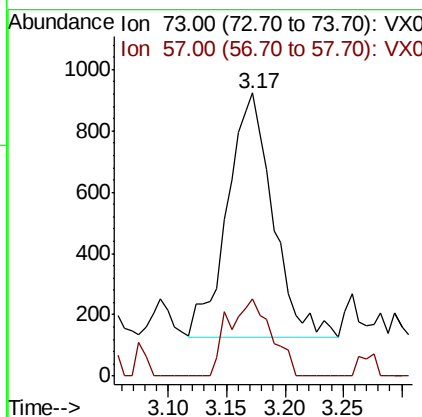
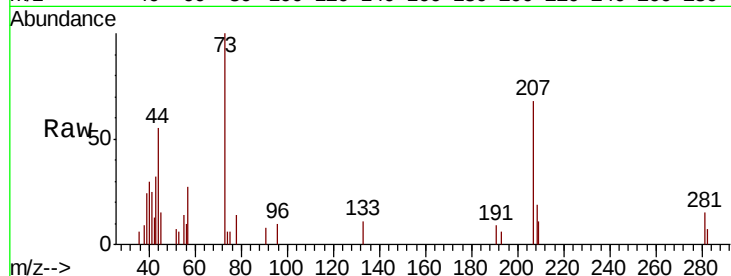


#19

Methyl tert-butyl Ether
 Concen: 0.229 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

Instrument :
 MSVOA_X
 ClientSampled :

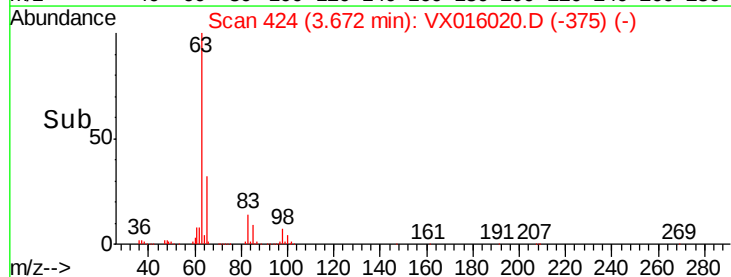
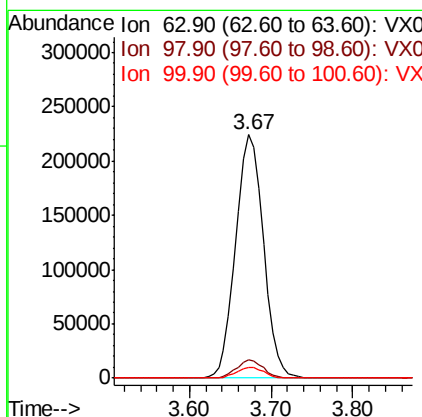
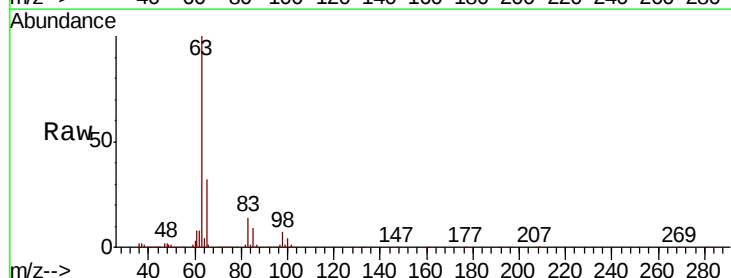
Tot Ion: 73 Resp: 2154
 Ion Ratio Lower Upper
 73 100
 57 31.4 17.5 26.3#

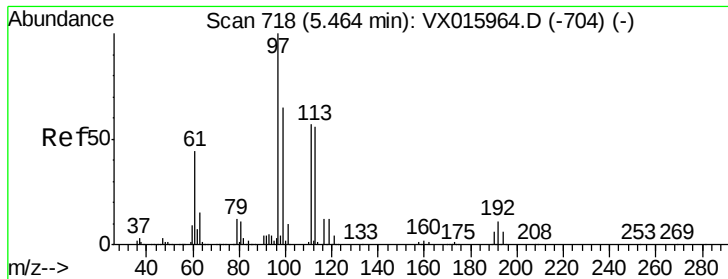


#24

1,1-Dichloroethane
 Concen: 103.166 ug/l
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

Tgt Ion: 63 Resp: 530437
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.6 10.8
 100 4.4 2.2 6.6

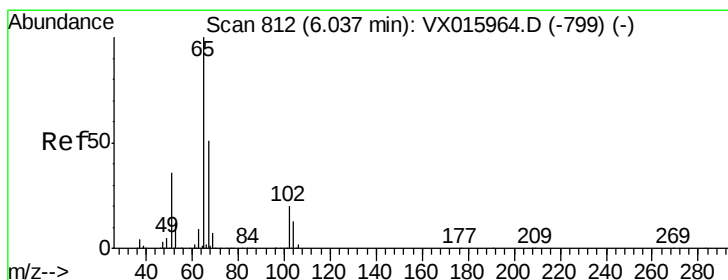
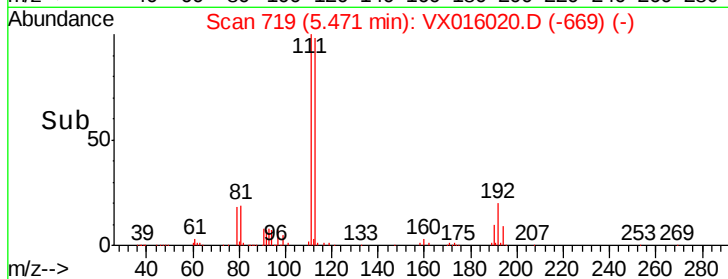
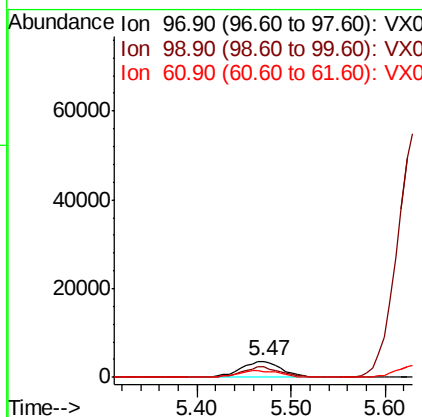
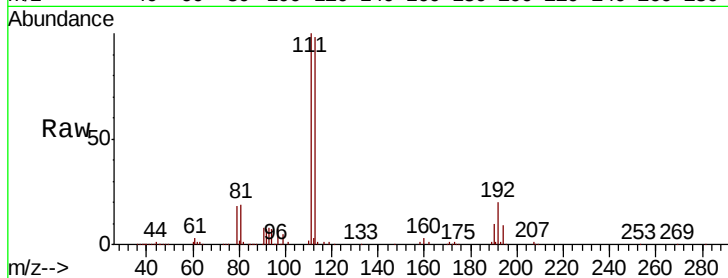




#32
 1,1,1-Trichloroethane
 Concen: 2.219 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

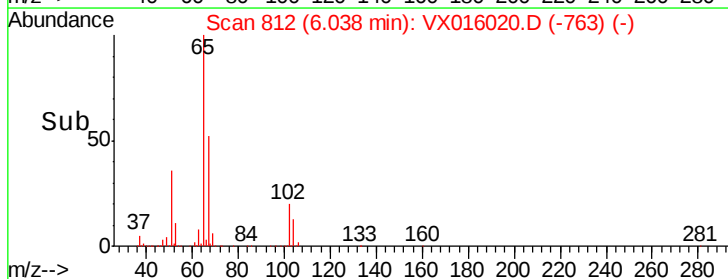
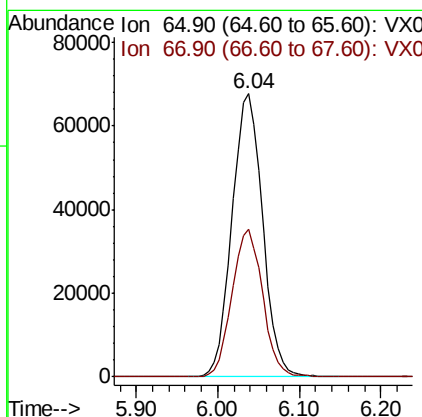
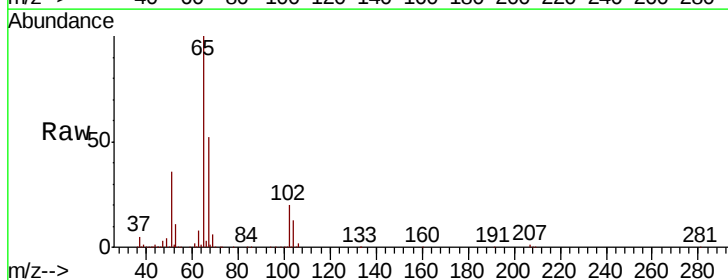
Instrument :
 MSVOA_X
 ClientSampleId :

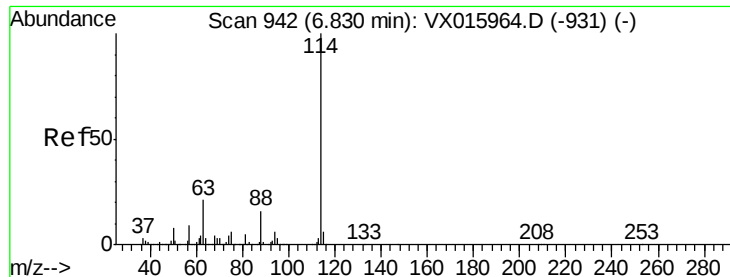
Tot Ion	Ratio	Lower	Upper
97	100		
99	61.3	51.4	77.0
61	44.0	35.7	53.5



#33
 1,2-Dichloroethane-d4
 Concen: 49.477 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

Instrument :

MSVOA_X

ClientSampleId :

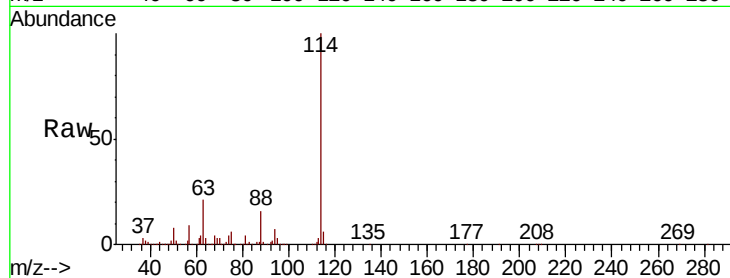
Tot Ion:114 Resp: 446193

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.2

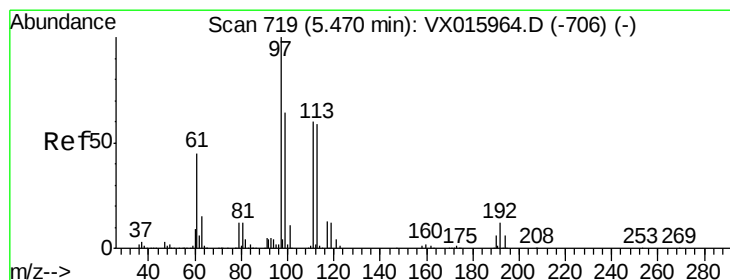
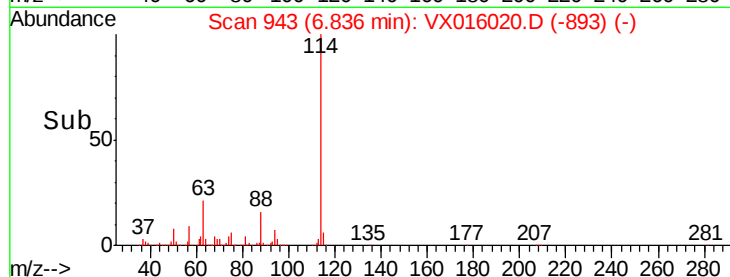
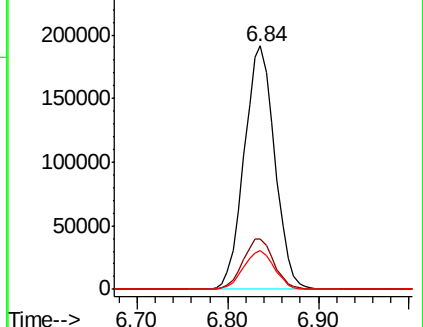
88 16.0 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.395 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

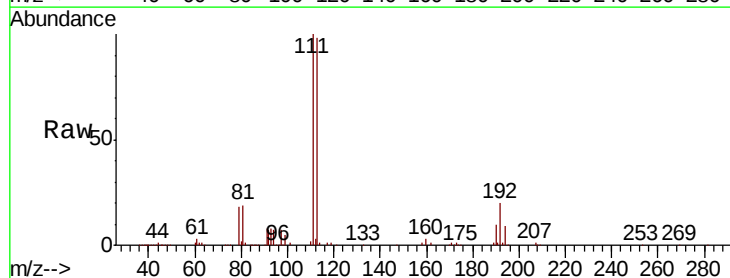
Tgt Ion:113 Resp: 134702

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

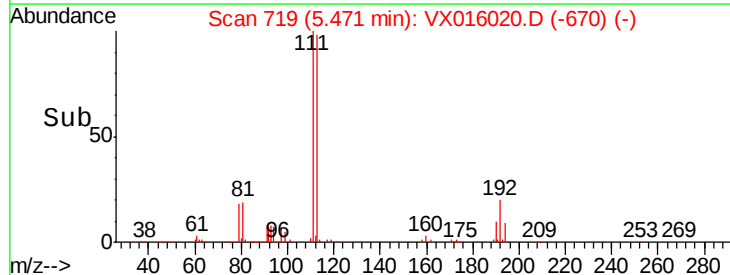
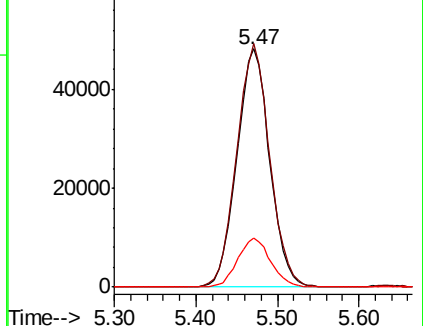
192 20.6 16.8 25.2

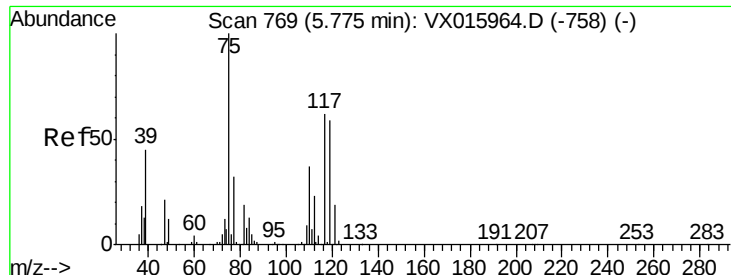


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.006 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.15 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

Instrument :

MSVOA_X

ClientSampled :

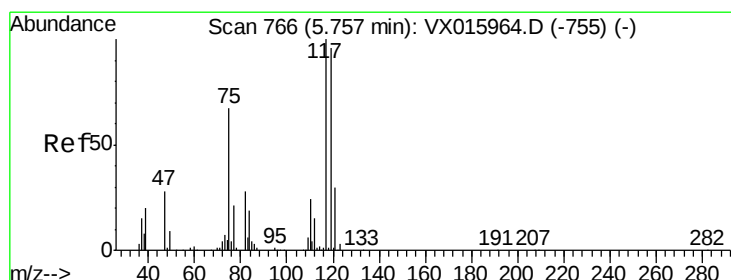
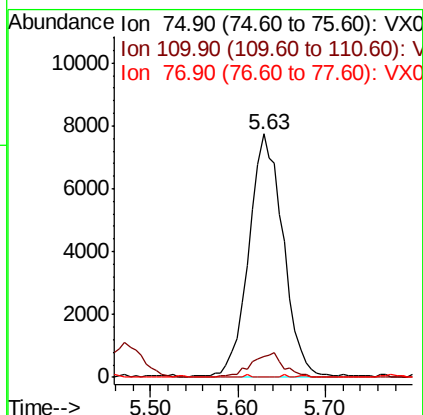
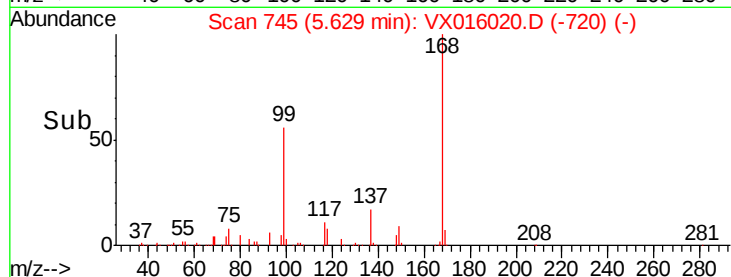
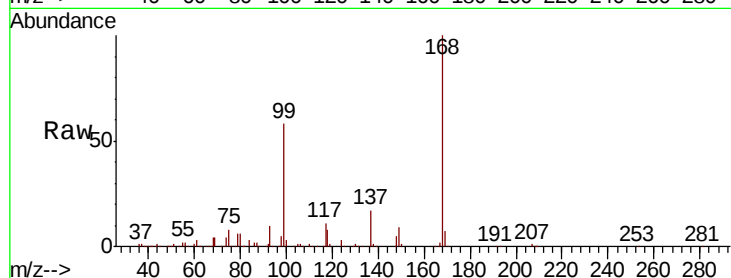
Tot Ion: 75 Resp: 21274

Ion Ratio Lower Upper

75 100

110 9.6 17.9 53.7#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 6.063 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

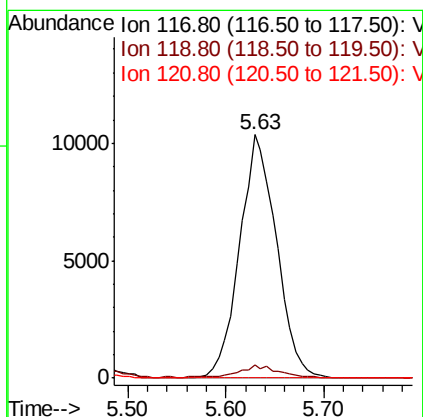
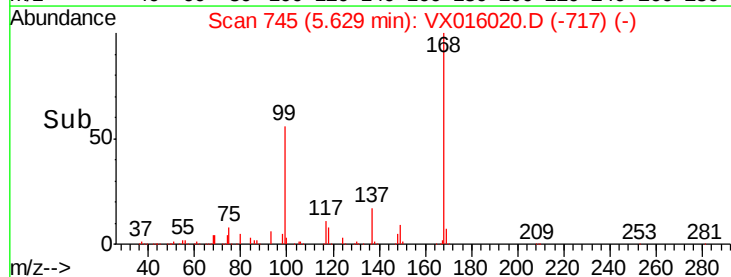
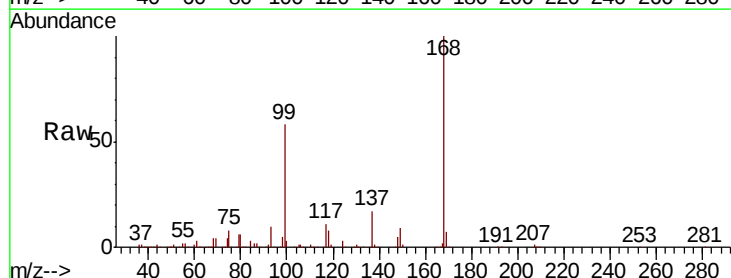
Tgt Ion: 117 Resp: 27214

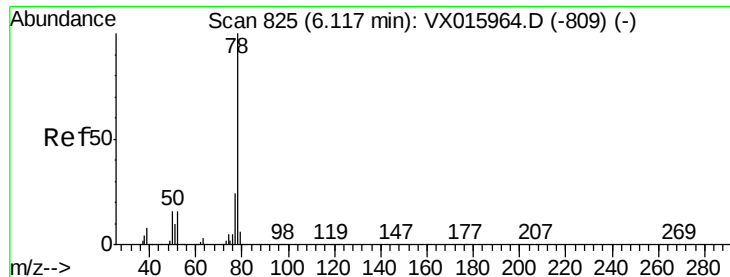
Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.4#

121 0.0 24.2 36.4#





#40

Benzene

Concen: 0.383 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

Instrument :

MSVOA_X

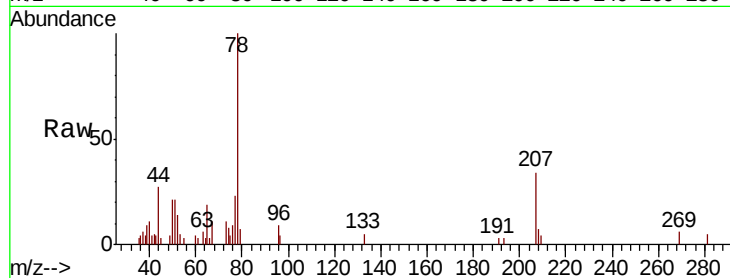
ClientSampleId :

Tot Ion: 78 Resp: 4646

Ion Ratio Lower Upper

78 100

77 23.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.12

2000

1500

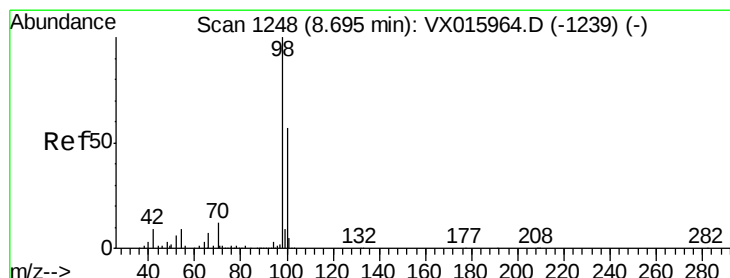
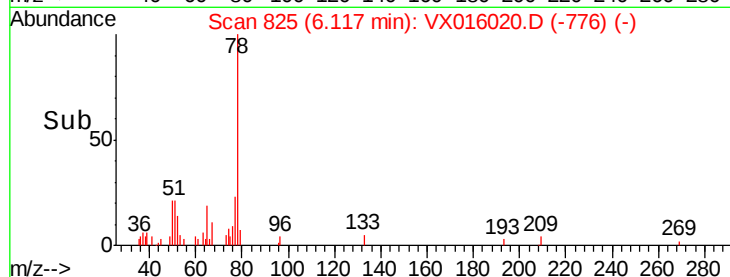
1000

500

0

6.00 6.05 6.10 6.15 6.20

Time-->



#50

Toluene-d8

Concen: 52.193 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016020.D

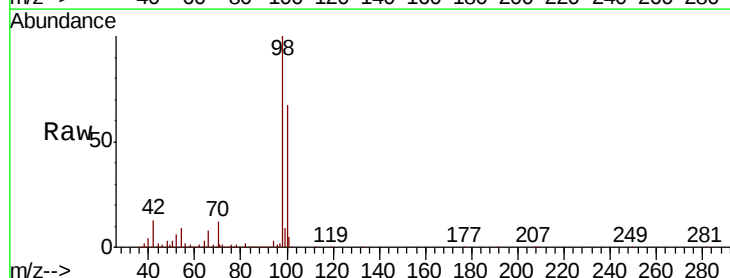
Acq: 01 May 2020 18:33

Tgt Ion: 98 Resp: 543158

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

400000

300000

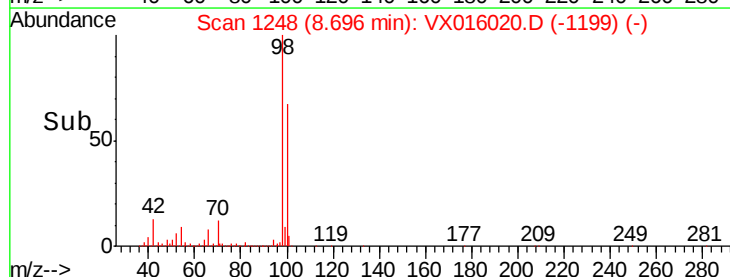
200000

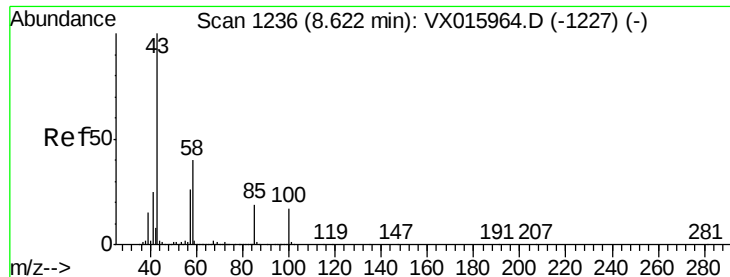
100000

0

8.60 8.65 8.70 8.75 8.80

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.517 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

Instrument :

MSVOA_X

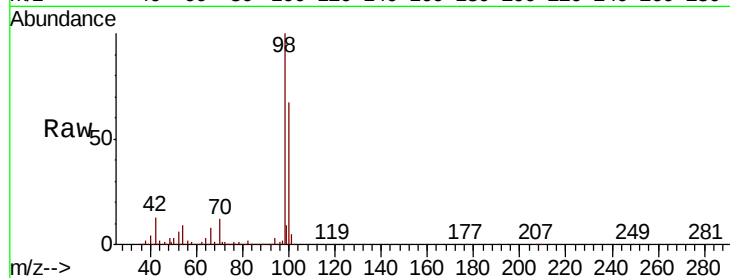
ClientSampleId :

Tot Ion: 43 Resp: 2532

Ion Ratio Lower Upper

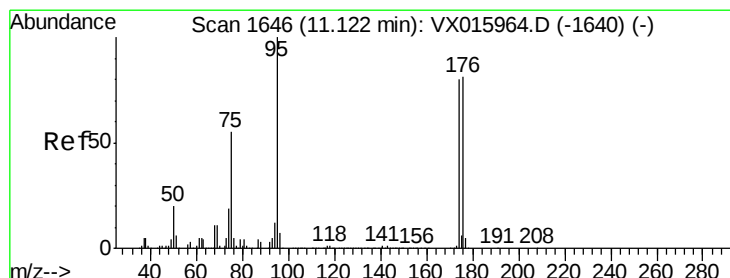
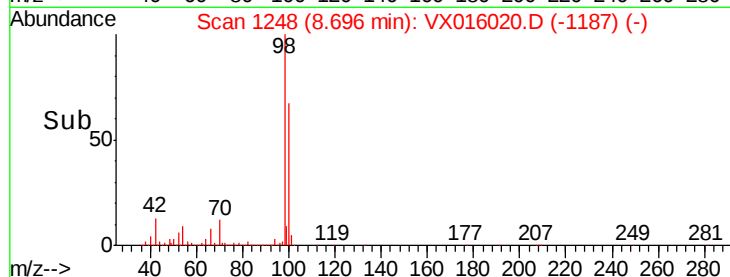
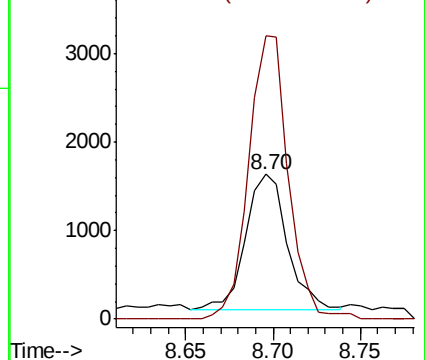
43 100

58 200.0 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 54.120 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

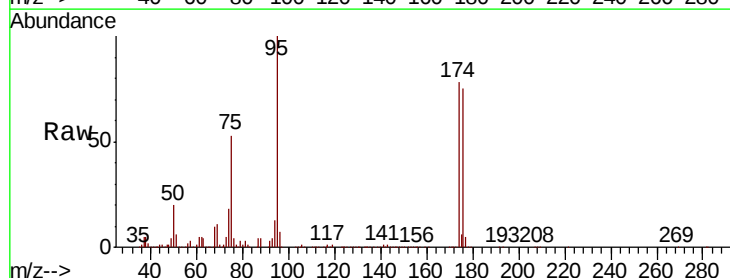
Tgt Ion: 95 Resp: 220900

Ion Ratio Lower Upper

95 100

174 80.5 0.0 165.0

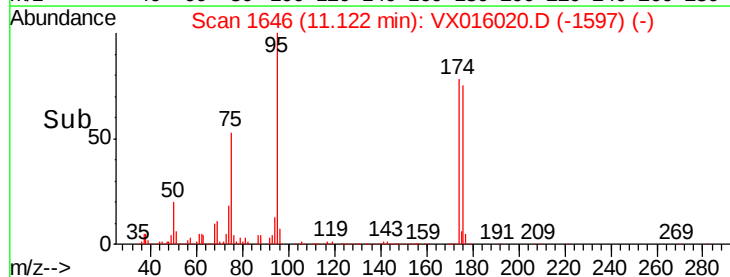
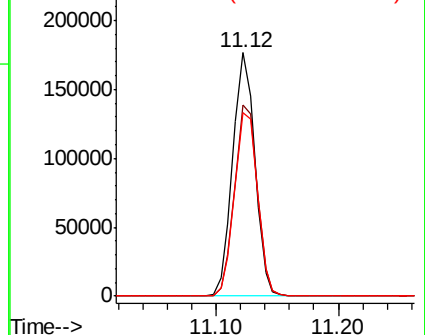
176 78.1 0.0 163.2

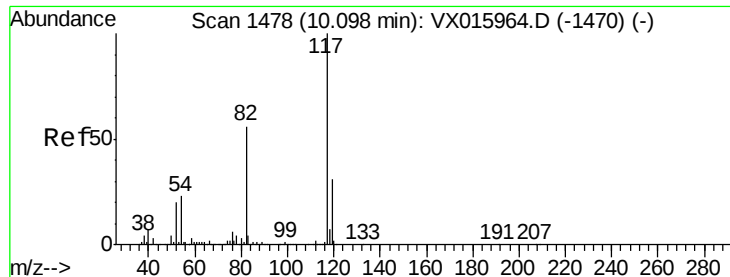


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

Instrument :

MSVOA_X

ClientSampleId :

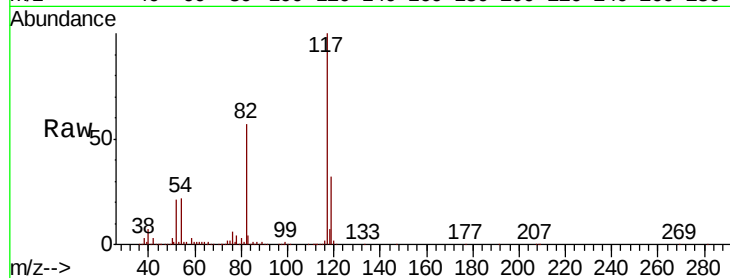
Tot Ion:117 Resp: 434452

Ion Ratio Lower Upper

117 100

82 57.1 44.5 66.7

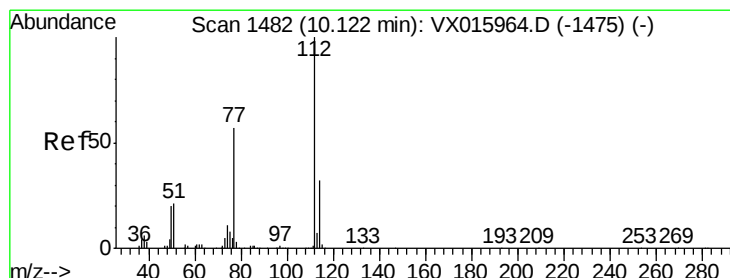
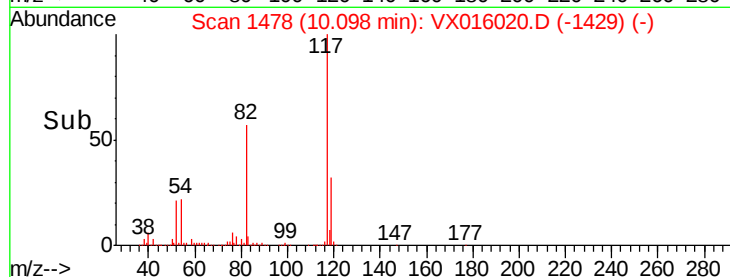
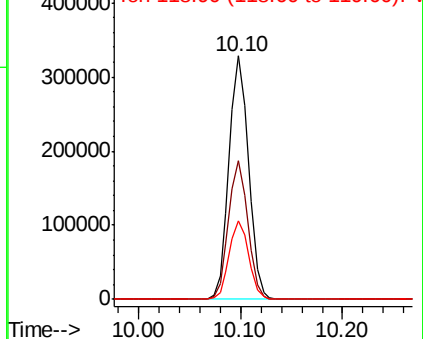
119 32.4 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.982 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016020.D

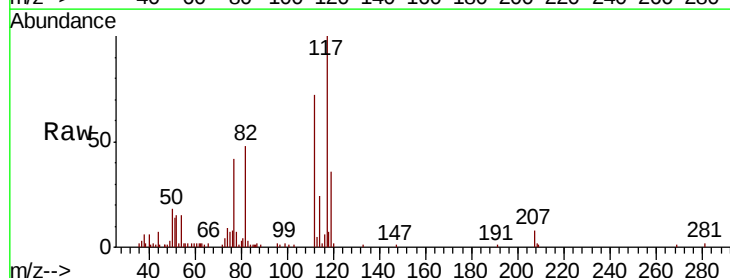
Acq: 01 May 2020 18:33

Tgt Ion:112 Resp: 8689

Ion Ratio Lower Upper

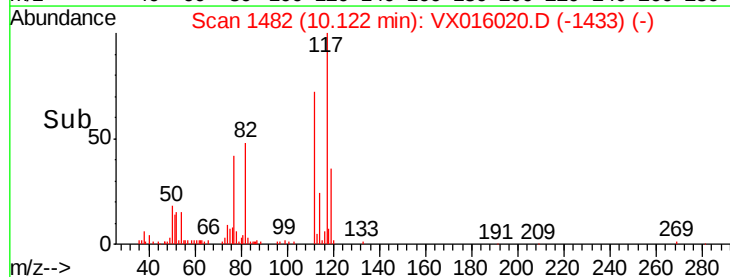
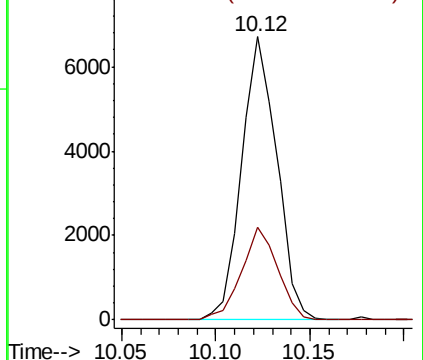
112 100

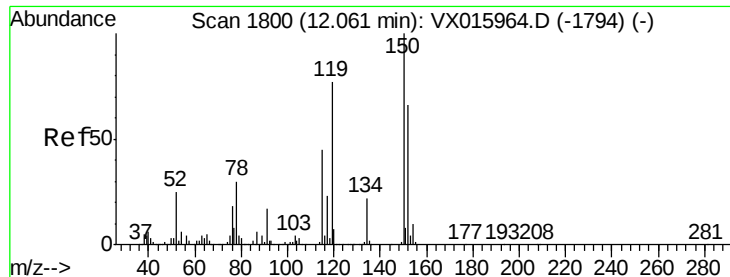
114 32.7 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

Instrument :

MSVOA_X

ClientSampleId :

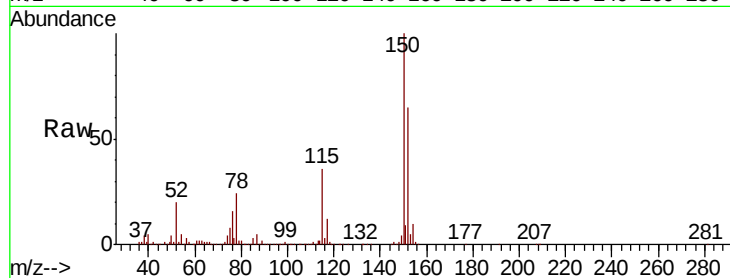
Tot Ion:152 Resp: 226555

Ion Ratio Lower Upper

152 100

115 59.1 40.9 122.7

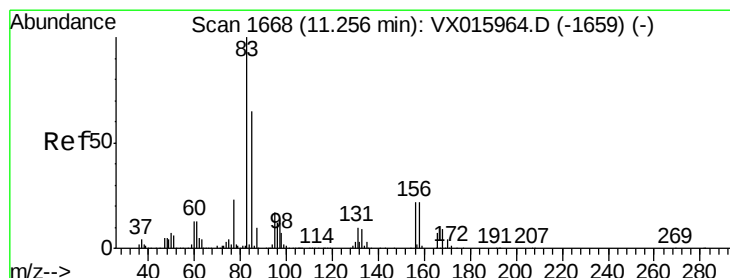
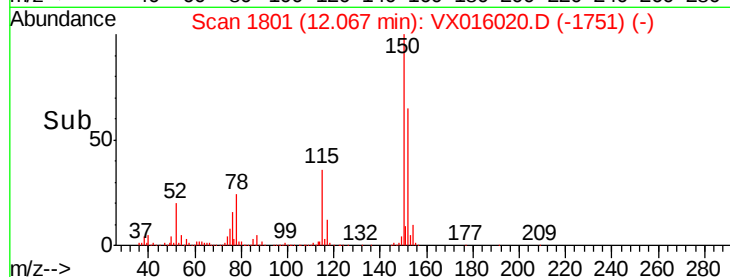
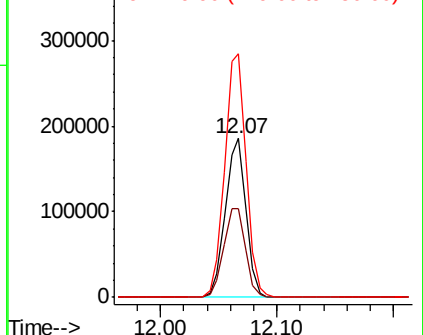
150 159.5 0.0 342.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 3.733 ug/l

RT: 11.26 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

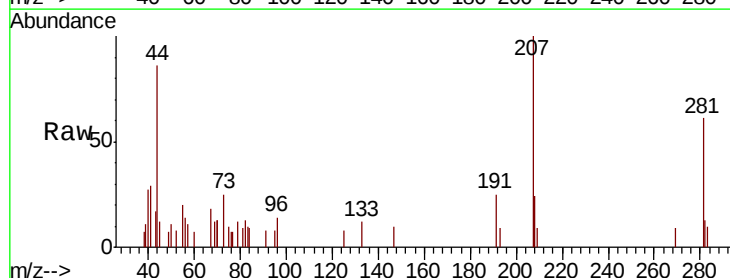
Tgt Ion: 83 Resp: 123

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

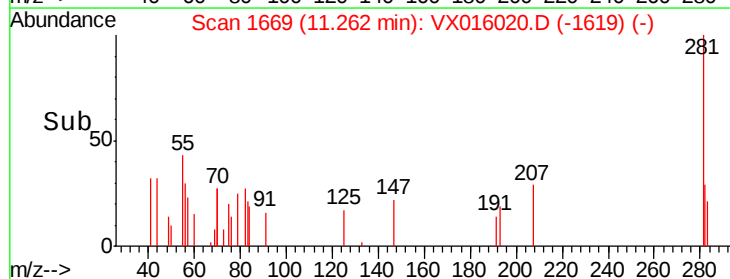
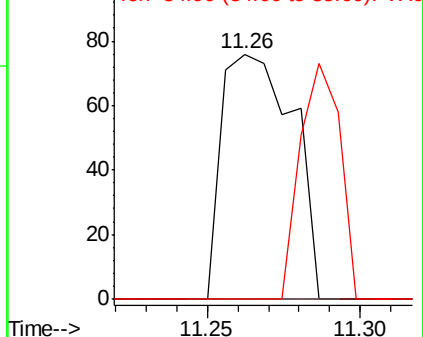
85 0.0 32.2 96.6#

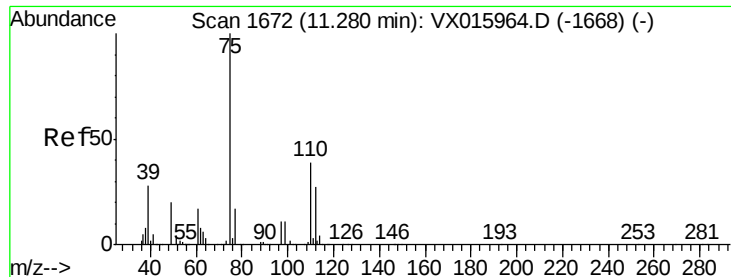


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 24.400 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

Instrument :

MSVOA_X

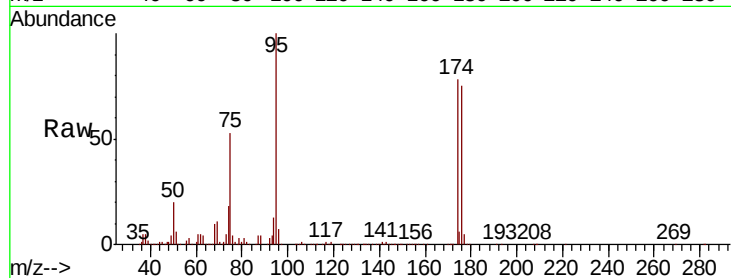
ClientSampled :

Tot Ion: 75 Resp: 115996

Ion Ratio Lower Upper

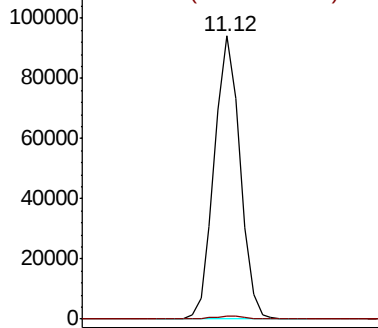
75 100

77 1.3 21.6 65.0#

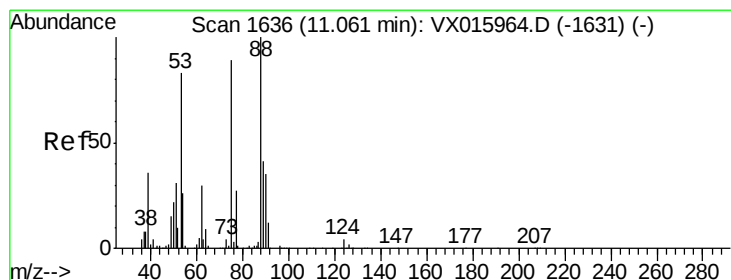
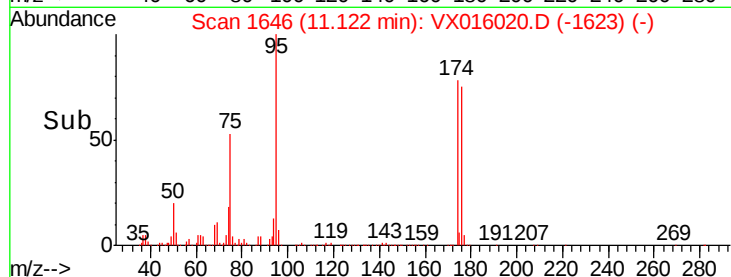


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 57.662 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

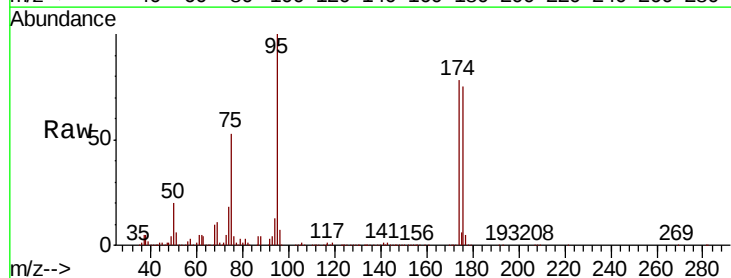
Tgt Ion: 75 Resp: 115996

Ion Ratio Lower Upper

75 100

53 0.2 78.3 117.5#

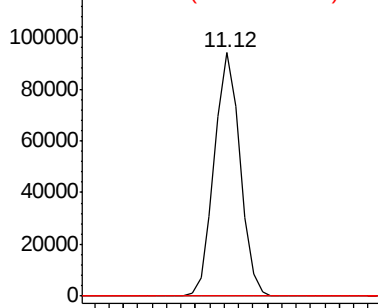
89 0.0 37.2 55.8#



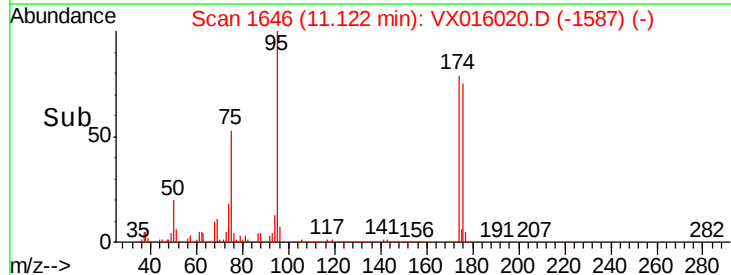
Abundance Ion 74.90 (74.60 to 75.60): VX0

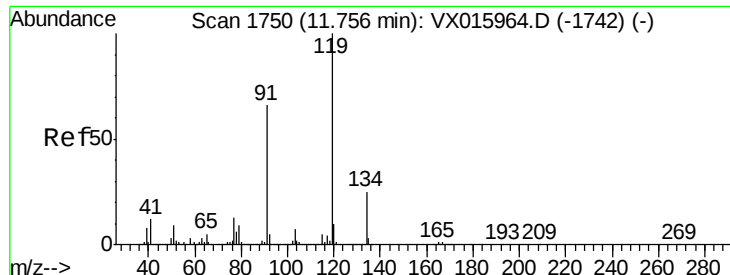
Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->

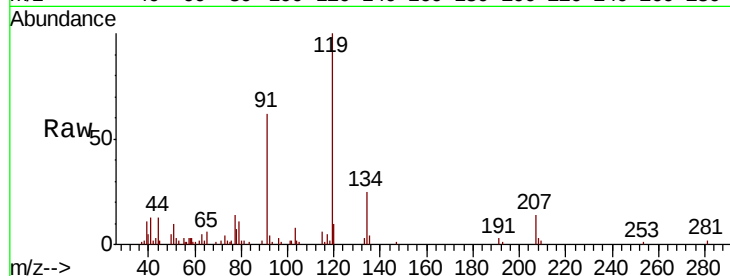




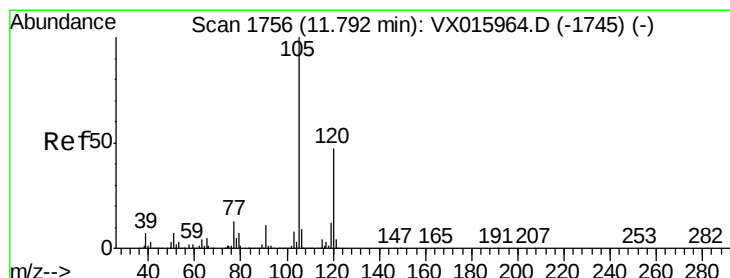
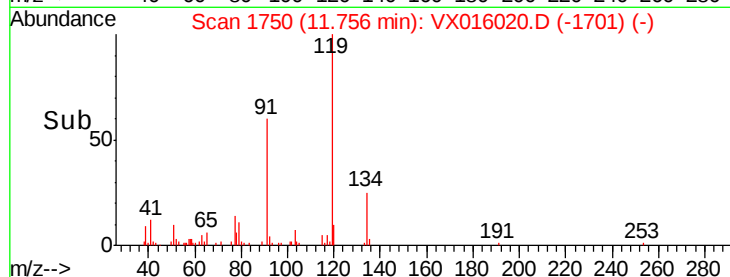
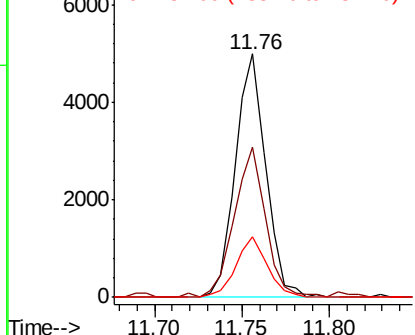
#83
tert-Butylbenzene
Concen: 0.538 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX016020.D
Acq: 01 May 2020 18:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:119 Resp: 6028
Ion Ratio Lower Upper
119 100
91 63.9 33.5 100.4
134 25.5 12.4 37.2

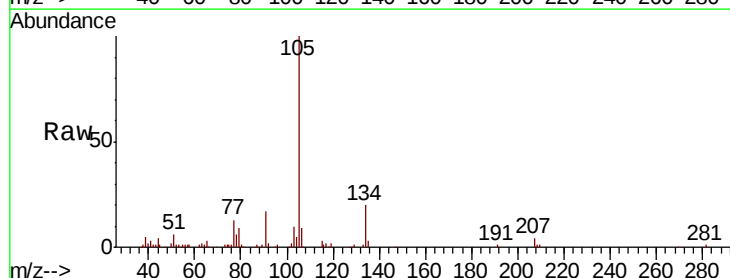


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

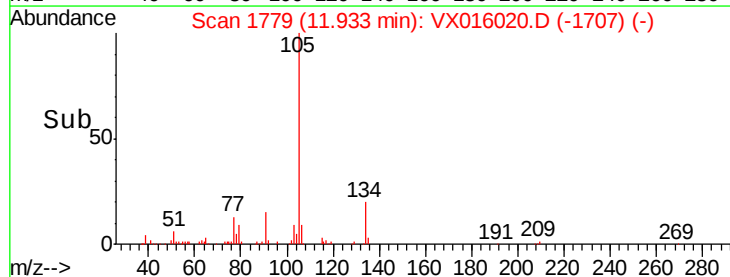
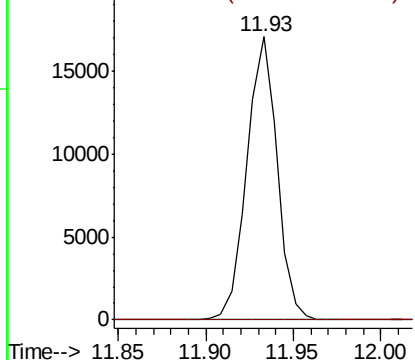


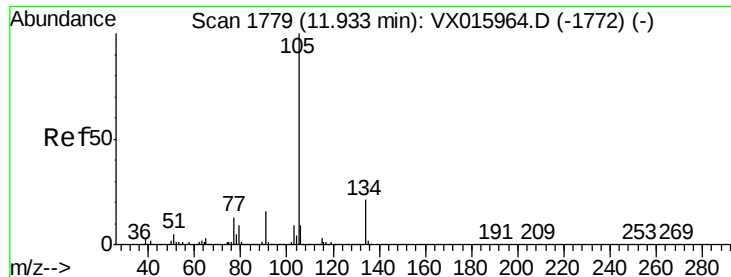
#84
1,2,4-Trimethylbenzene
Concen: 1.575 ug/l
RT: 11.93 min Scan# 1779
Delta R.T. 0.14 min
Lab File: VX016020.D
Acq: 01 May 2020 18:33

Tgt Ion:105 Resp: 20582
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.8#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.365 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

Instrument :

MSVOA_X

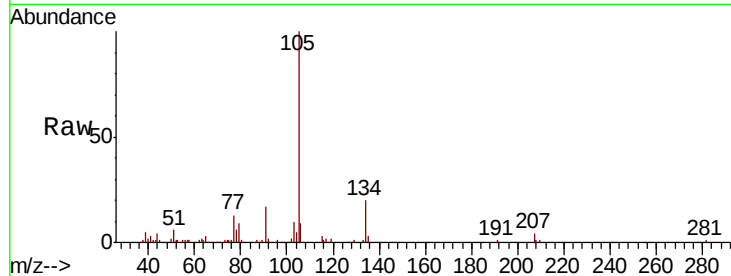
ClientSampleId :

Tot Ion:105 Resp: 20582

Ion Ratio Lower Upper

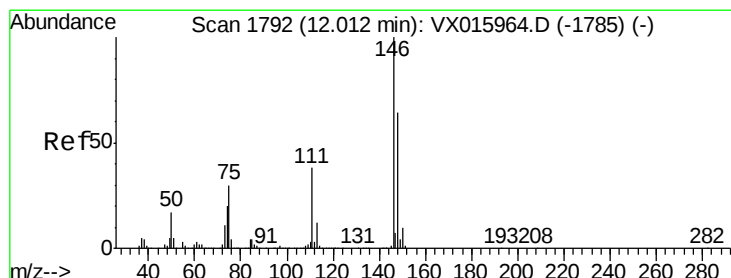
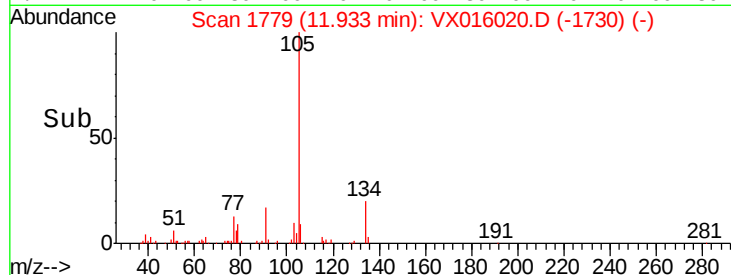
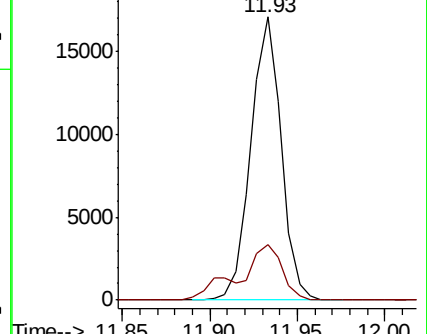
105 100

134 27.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 1.045 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX016020.D

Acq: 01 May 2020 18:33

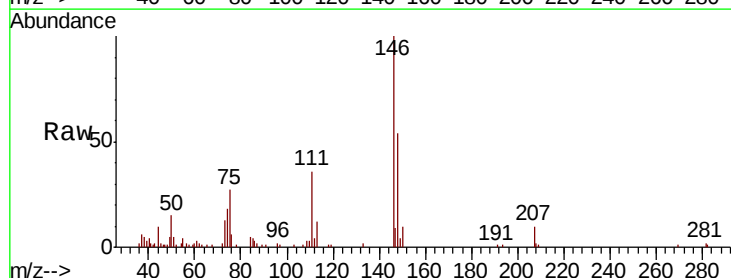
Tgt Ion:146 Resp: 7562

Ion Ratio Lower Upper

146 100

111 40.6 19.6 58.8

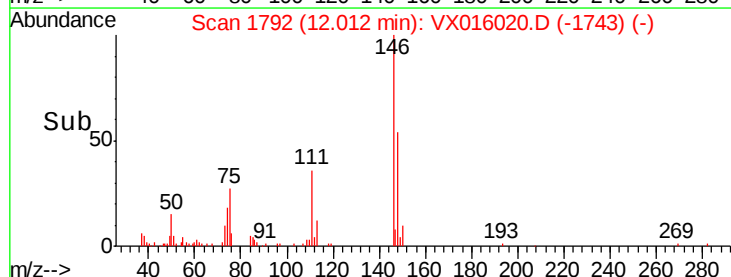
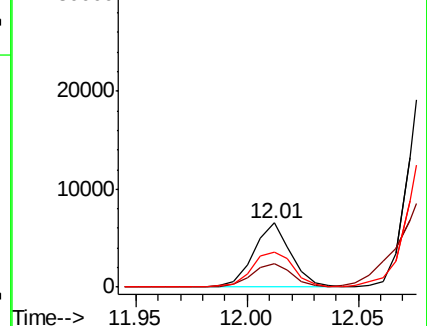
148 62.4 32.0 96.0

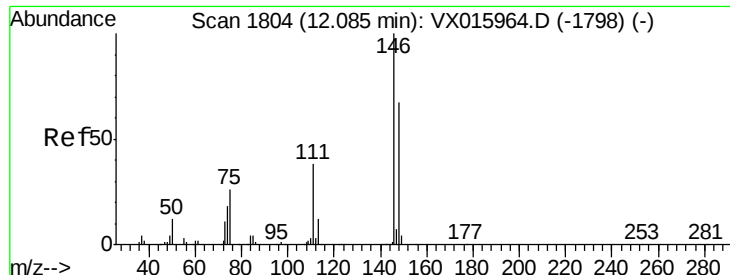


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

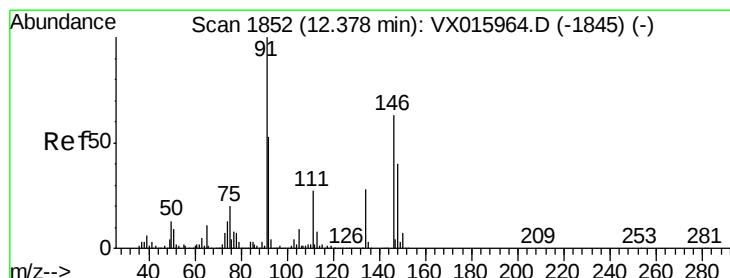
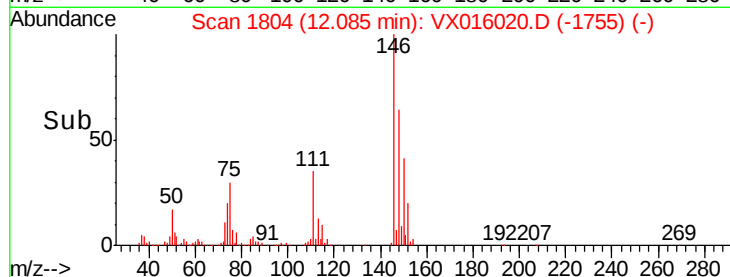
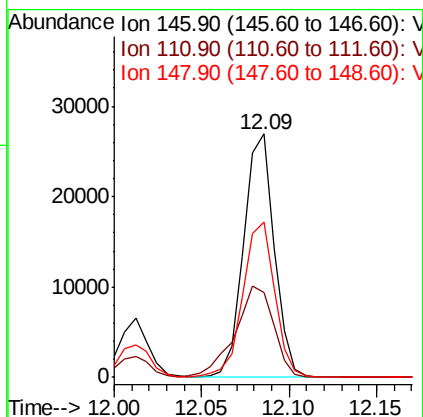
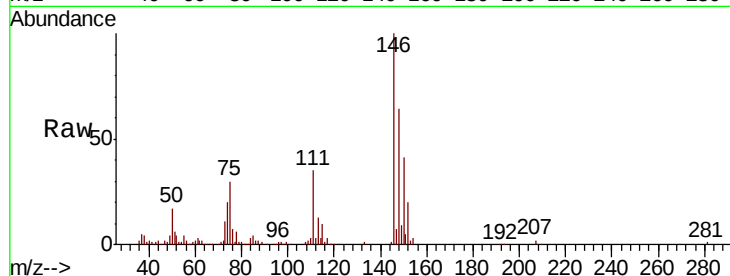




#88
 1,4-Dichlorobenzene
 Concen: 4.499 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

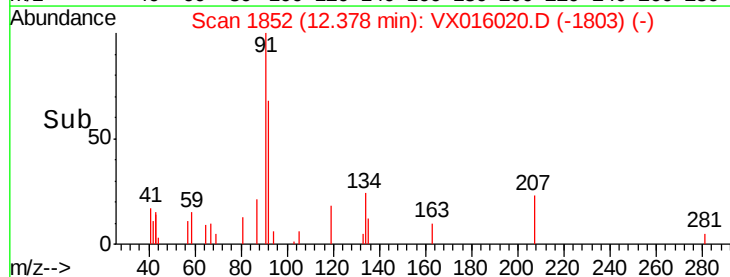
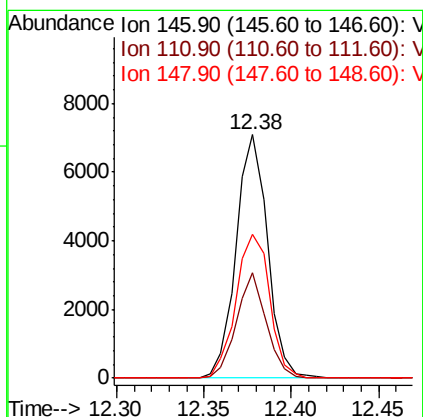
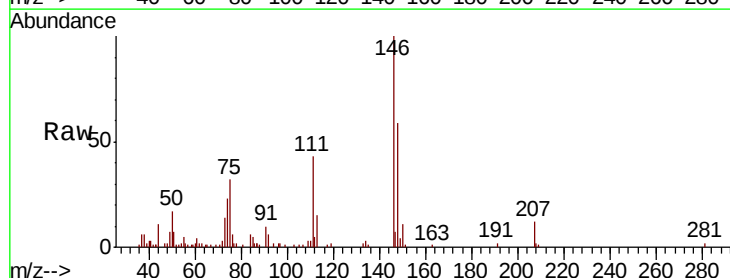
Instrument :
 MSVOA_X
 ClientSampleId :

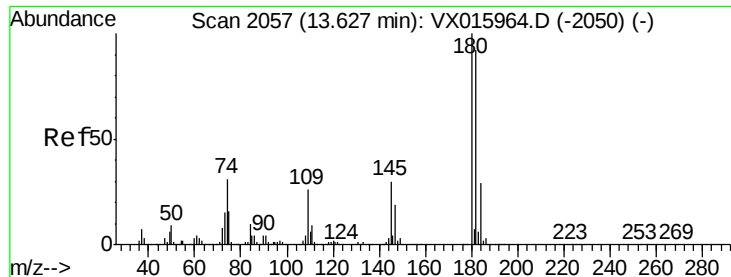
Tot Ion:146 Resp: 32892
 Ion Ratio Lower Upper
 146 100
 111 47.6 19.7 59.0
 148 66.9 32.8 98.4



#91
 1,2-Dichlorobenzene
 Concen: 1.281 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

Tgt Ion:146 Resp: 8861
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.1 63.3
 148 63.4 32.3 96.9

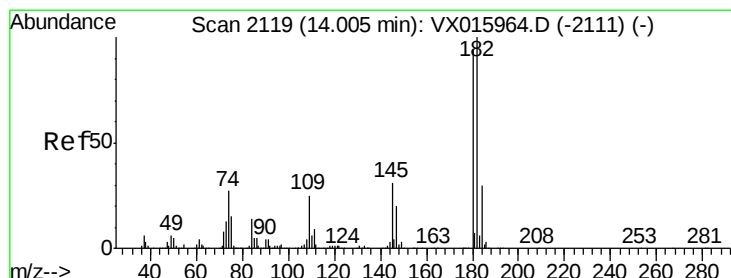
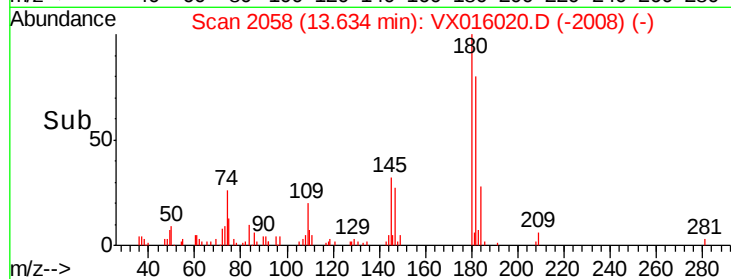
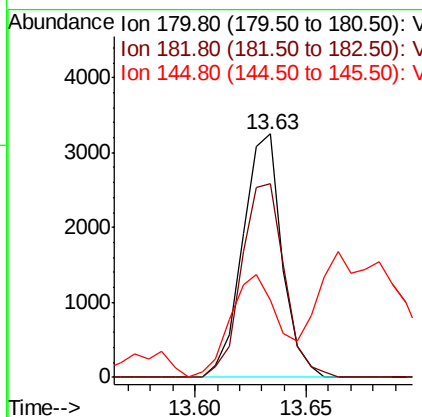
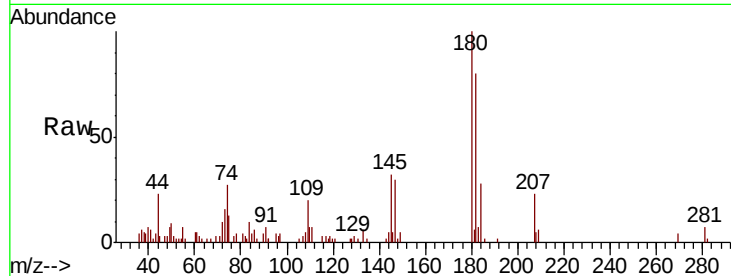




#93
 1,2,4-Trichlorobenzene
 Concen: 0.771 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 4003
 Ion Ratio Lower Upper
 180 100
 182 86.6 46.9 140.6
 145 53.2 14.7 44.1#



#96
 1,2,3-Trichlorobenzene
 Concen: 0.269 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VX016020.D
 Acq: 01 May 2020 18:33

Tgt Ion:180 Resp: 1347
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.7 146.1
 145 190.5 16.1 48.3#

