

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110920\
 Data File : VX019365.D
 Acq On : 09 Nov 2020 14:14
 Operator : JC/MD
 Sample : L4670-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 10 01:44:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	297183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	520085	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	493132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	253196	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	207380	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	
35) Dibromofluoromethane	5.46	113	163403	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	8.70	98	644867	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	11.12	95	252808	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	

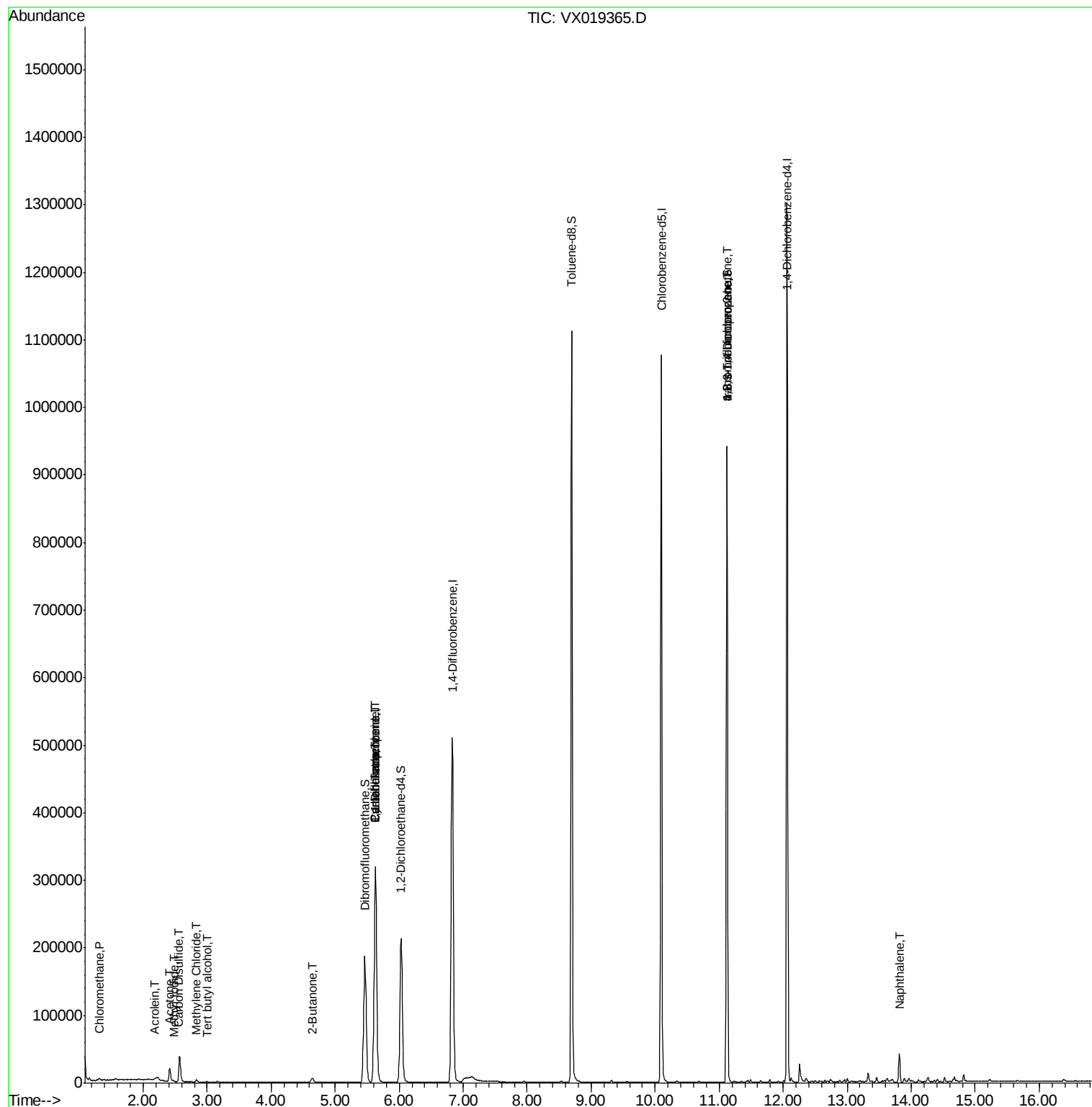
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1564	0.565	ug/l	89
10) Methyl Iodide	2.50	142	107	6.407	ug/l #	68
11) Tert butyl alcohol	3.00	59	859	1.135	ug/l #	91
13) Acrolein	2.18	56	44	5.775	ug/l #	16
16) Acetone	2.42	43	20701	15.657	ug/l	98
17) Carbon Disulfide	2.55	76	754	0.850	ug/l #	78
20) Methylene Chloride	2.83	84	1372	0.413	ug/l #	89
25) 2-Butanone	4.64	43	7291	3.499	ug/l #	88
31) Cyclohexane	5.64	56	6699	1.383	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24431	5.087	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30574	6.246	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	130174	24.900	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	130174	65.560	ug/l #	12
95) Naphthalene	13.82	128	26012	1.382	ug/l	99

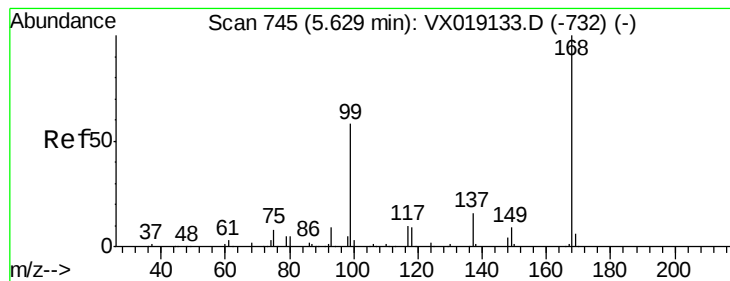
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019365.D

Acq: 09 Nov 2020 14:14

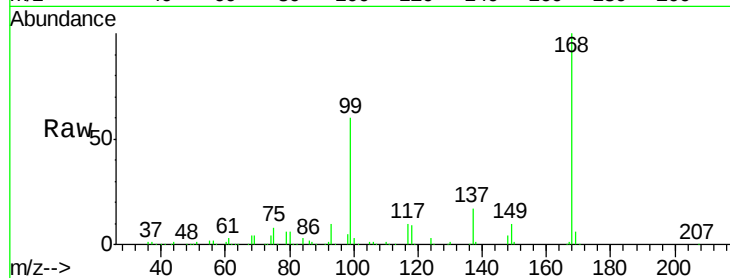
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 297183

Ion Ratio Lower Upper

168 100

99 60.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

60000

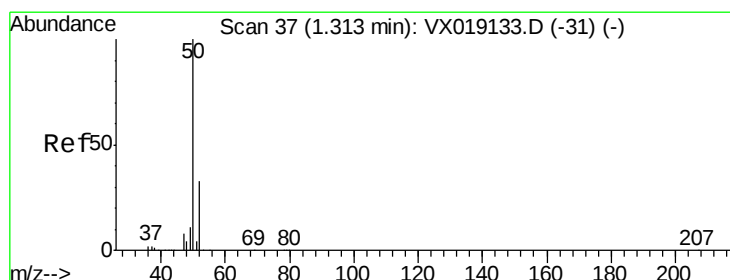
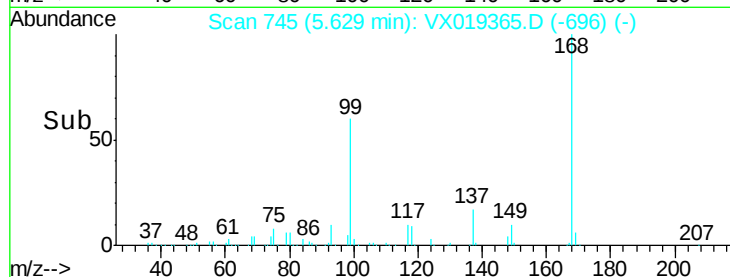
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.565 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019365.D

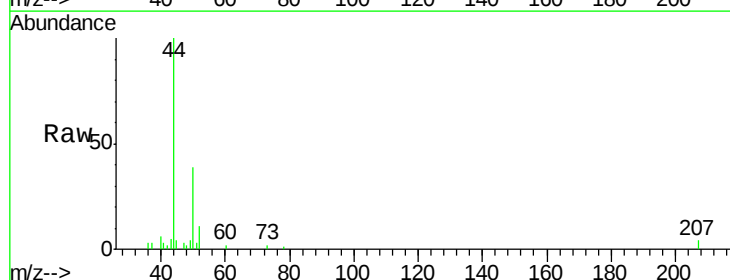
Acq: 09 Nov 2020 14:14

Tgt Ion: 50 Resp: 1564

Ion Ratio Lower Upper

50 100

52 27.0 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1500

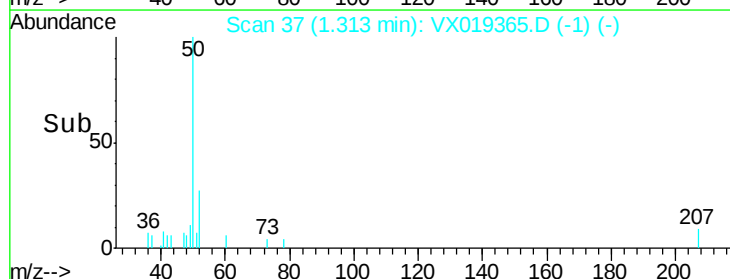
1000

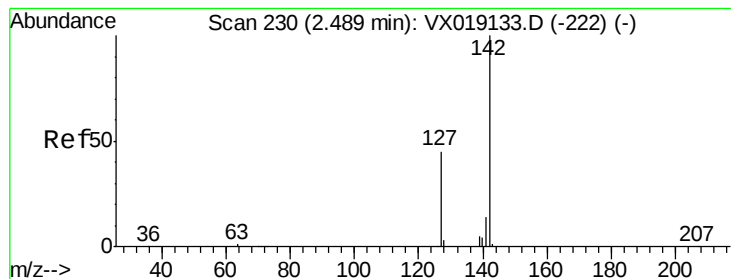
500

0

Time-->

1.25 1.30 1.35





#10

Methyl Iodide

Concen: 6.407 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019365.D

Acq: 09 Nov 2020 14:14

Instrument :

MSVOA_X

ClientSampled :

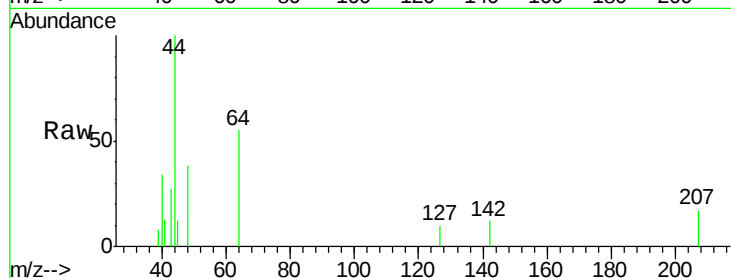
Tot Ion:142 Resp: 107

Ion Ratio Lower Upper

142 100

127 24.3 36.1 54.1#

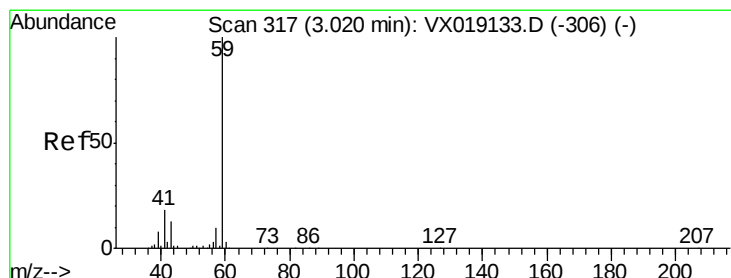
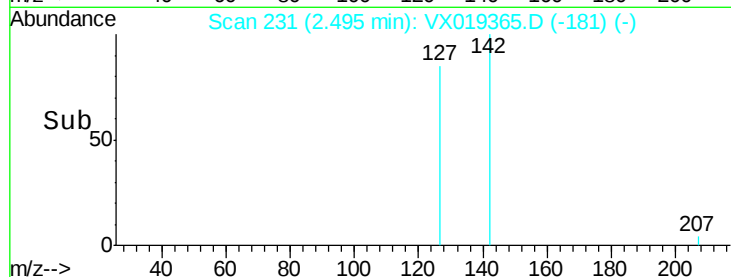
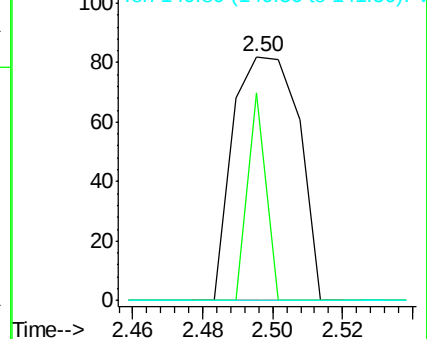
141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.135 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX019365.D

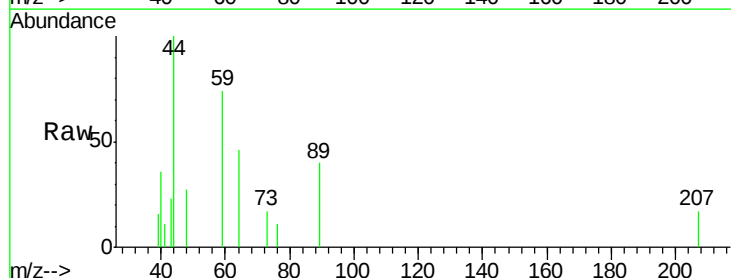
Acq: 09 Nov 2020 14:14

Tgt Ion: 59 Resp: 859

Ion Ratio Lower Upper

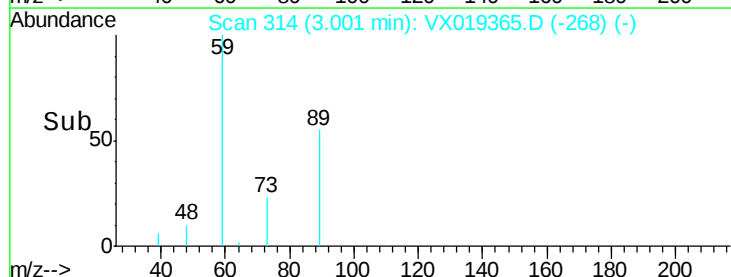
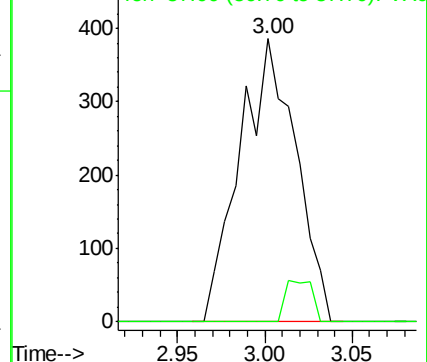
59 100

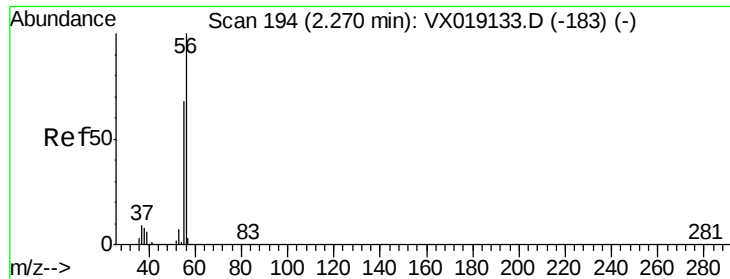
57 7.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 5.775 ug/l

RT: 2.18 min Scan# 179

Delta R.T. -0.09 min

Lab File: VX019365.D

Acq: 09 Nov 2020 14:14

Instrument :

MSVOA_X

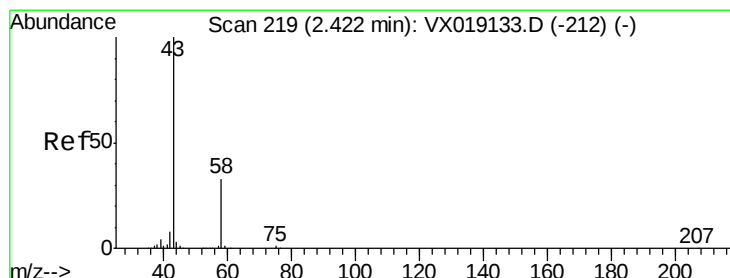
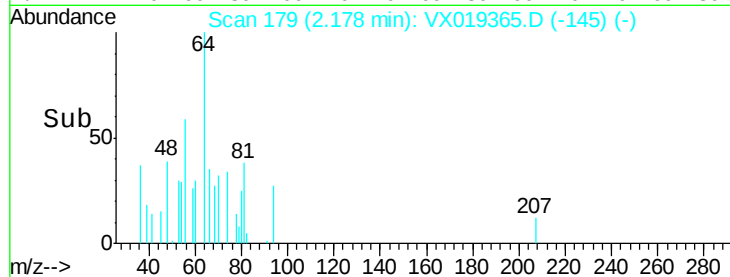
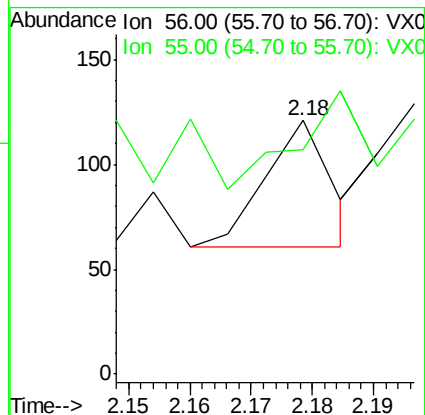
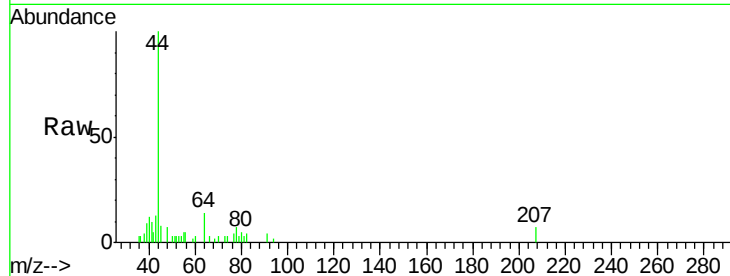
ClientSampleId :

Tot Ion: 56 Resp: 44

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



#16

Acetone

Concen: 15.657 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019365.D

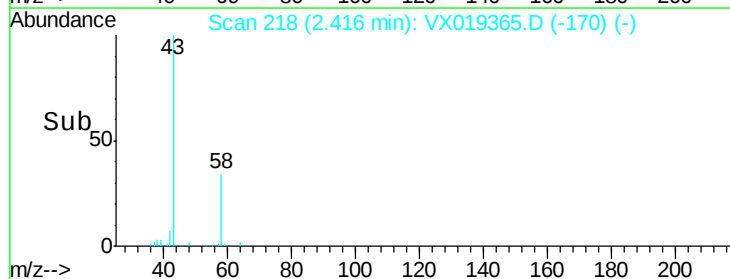
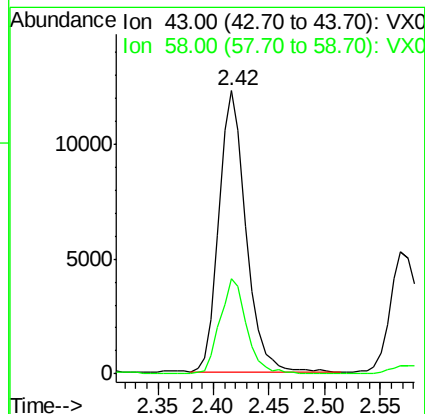
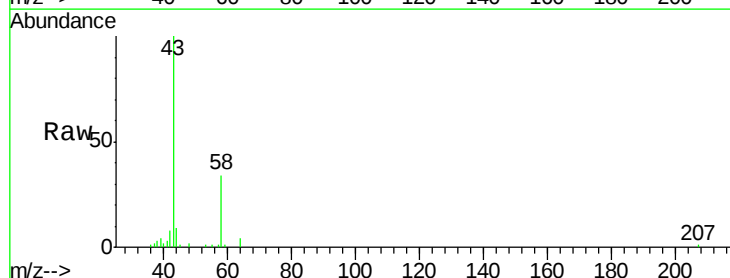
Acq: 09 Nov 2020 14:14

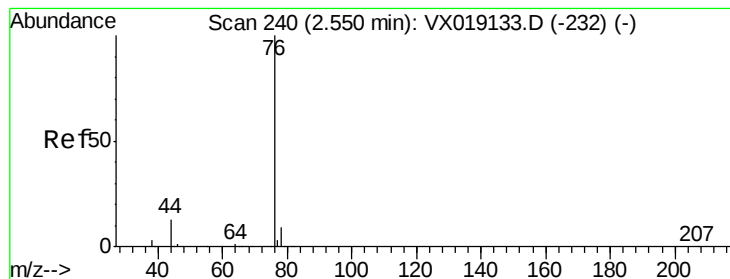
Tgt Ion: 43 Resp: 20701

Ion Ratio Lower Upper

43 100

58 33.8 26.3 39.5





#17

Carbon Disulfide

Concen: 0.850 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019365.D

Acq: 09 Nov 2020 14:14

Instrument :

MSVOA_X

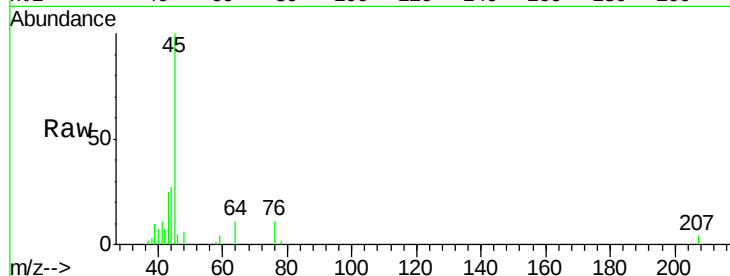
ClientSampleId :

Tot Ion: 76 Resp: 754

Ion Ratio Lower Upper

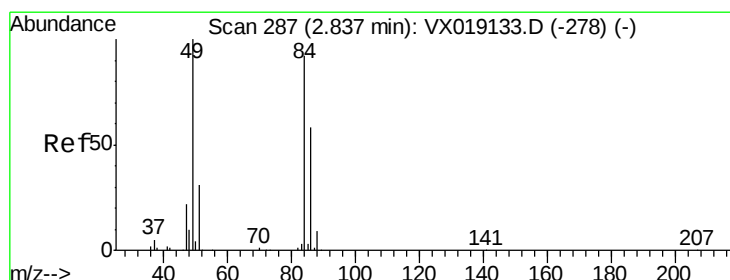
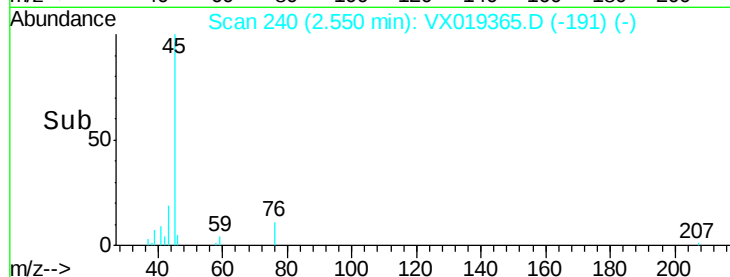
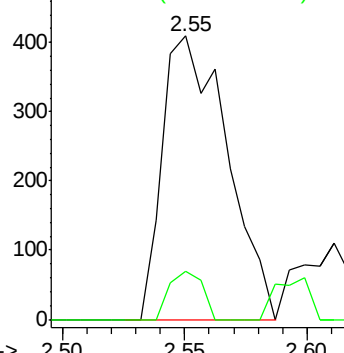
76 100

78 17.1 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.413 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX019365.D

Acq: 09 Nov 2020 14:14

Tgt Ion: 84 Resp: 1372

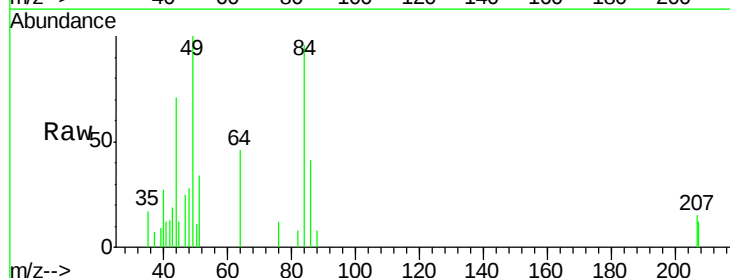
Ion Ratio Lower Upper

84 100

49 104.4 86.8 130.2

51 36.0 27.3 40.9

86 43.3 50.6 76.0#

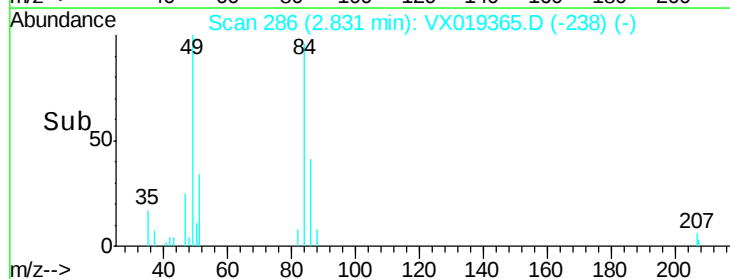
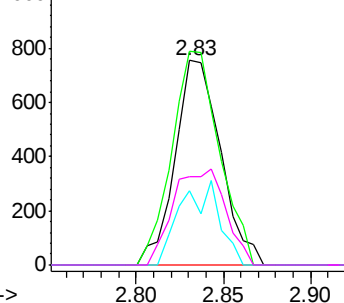


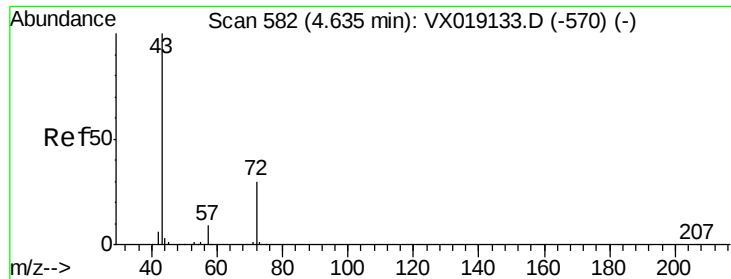
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 3.499 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX019365.D

Acq: 09 Nov 2020 14:14

Instrument :

MSVOA_X

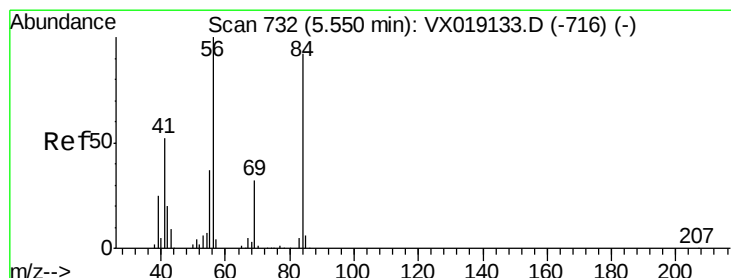
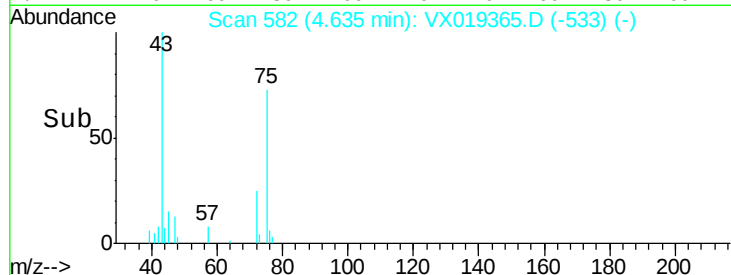
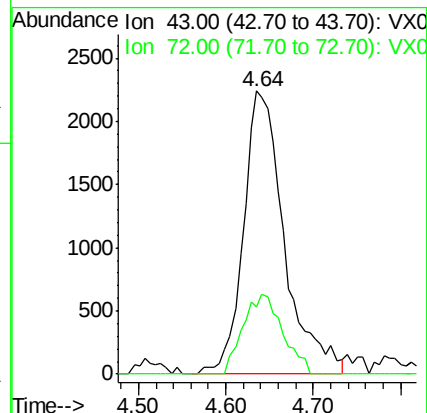
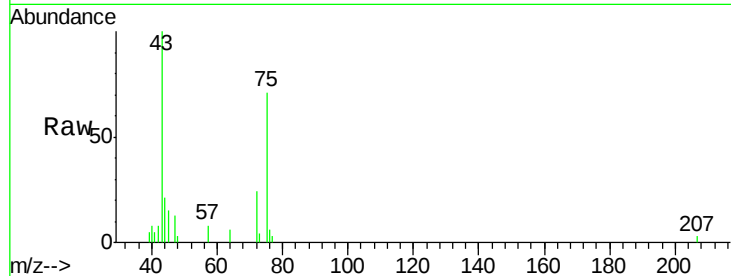
ClientSampled :

Tot Ion: 43 Resp: 7291

Ion Ratio Lower Upper

43 100

72 23.9 24.6 36.8#



#31

Cyclohexane

Concen: 1.383 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX019365.D

Acq: 09 Nov 2020 14:14

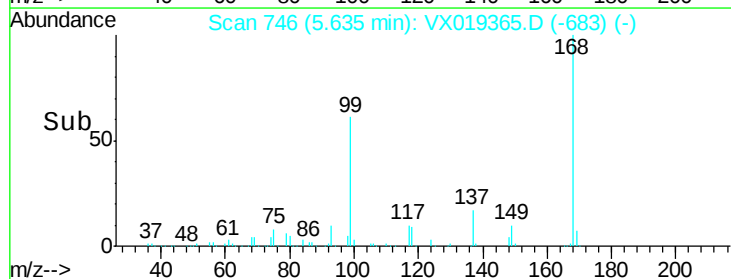
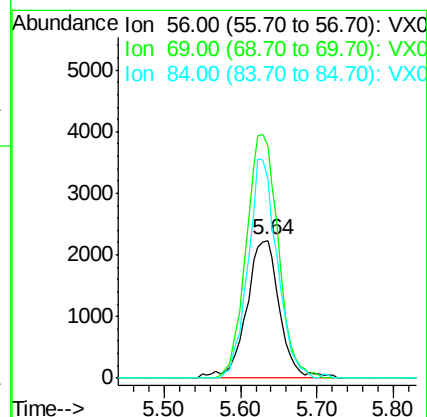
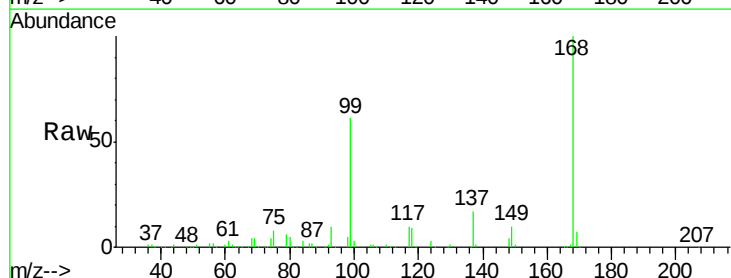
Tgt Ion: 56 Resp: 6699

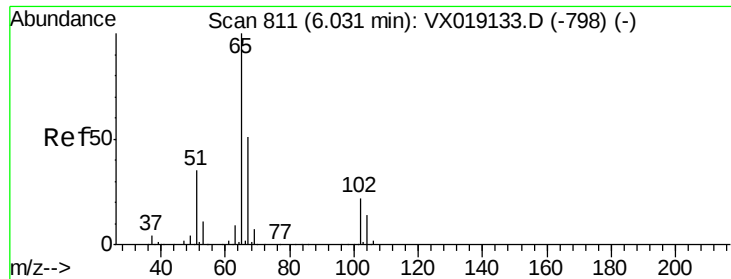
Ion Ratio Lower Upper

56 100

69 169.0 25.9 38.9#

84 144.4 73.4 110.2#

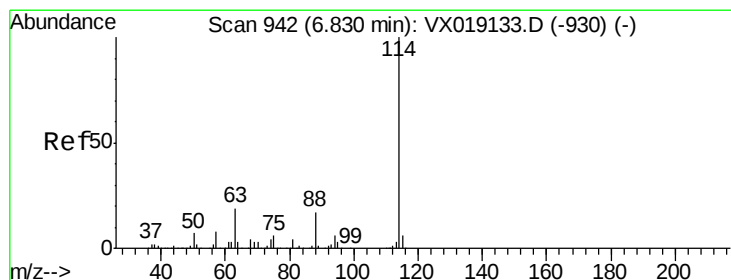
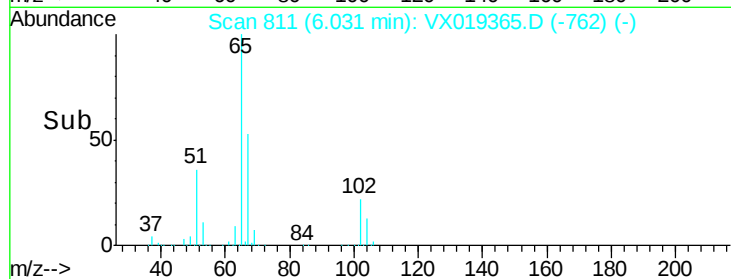
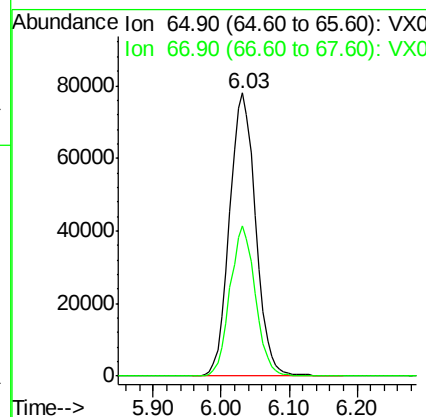
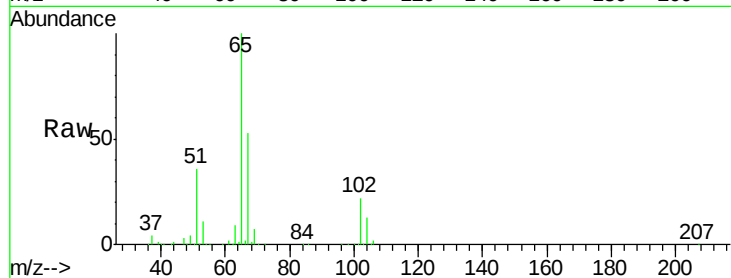




#33
 1,2-Dichloroethane-d4
 Concen: 54.110 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019365.D
 Acq: 09 Nov 2020 14:14

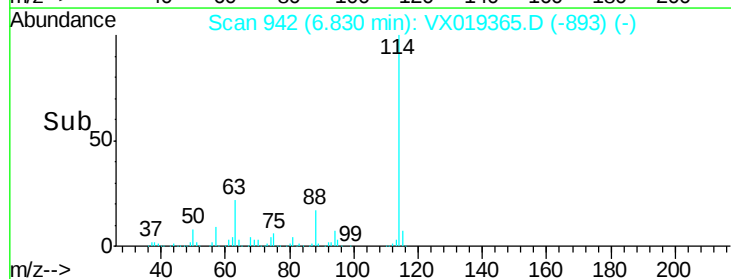
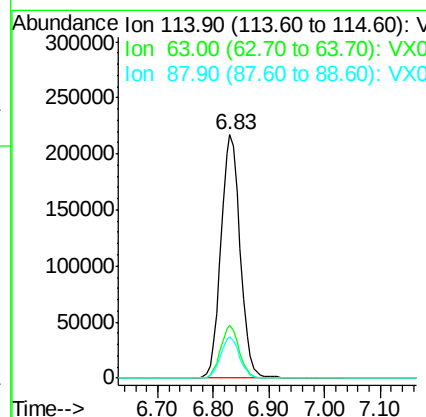
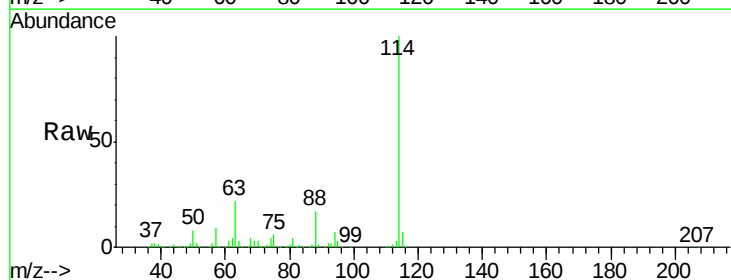
Instrument :
 MSVOA_X
 ClientSampleId :

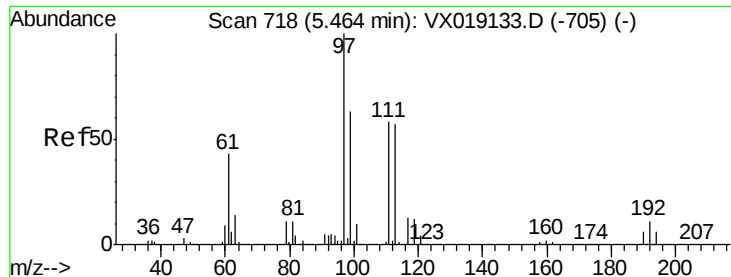
Tot Ion: 65 Resp: 207380
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019365.D
 Acq: 09 Nov 2020 14:14

Tgt Ion: 114 Resp: 520085
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 38.8
 88 17.0 0.0 34.2

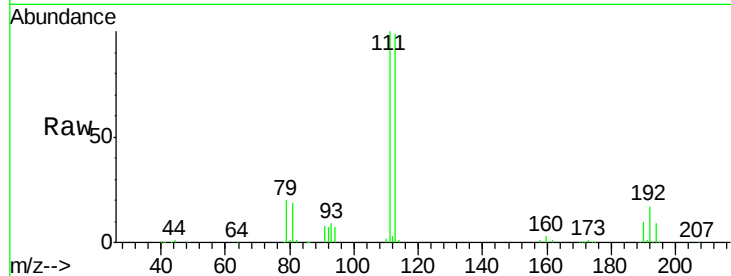




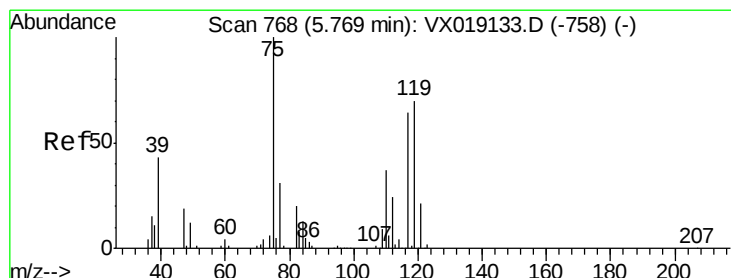
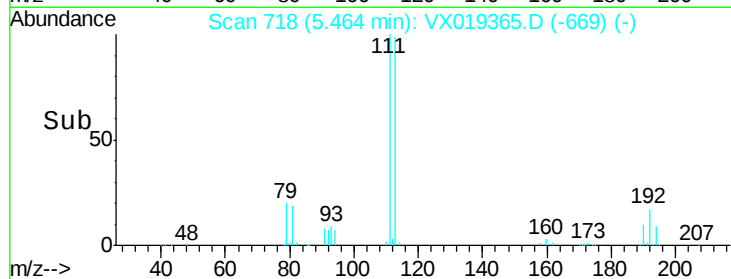
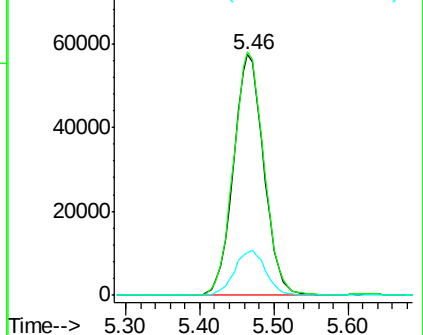
#35
 Dibromofluoromethane
 Concen: 50.019 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019365.D
 Acq: 09 Nov 2020 14:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:113 Resp: 163403
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.3 123.5
 192 19.2 16.2 24.2

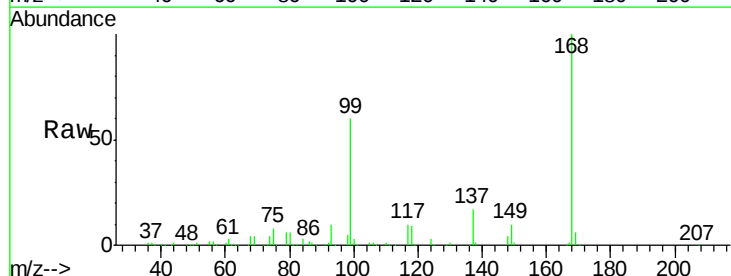


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

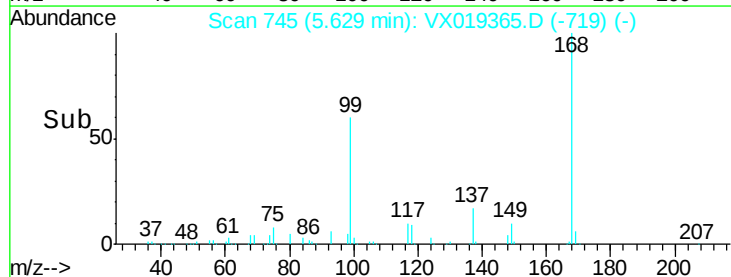
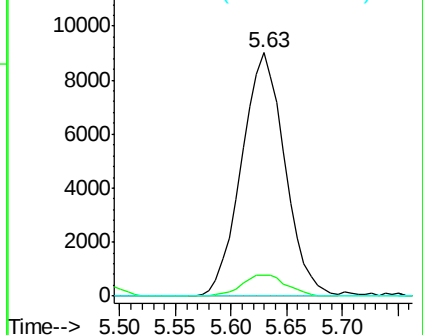


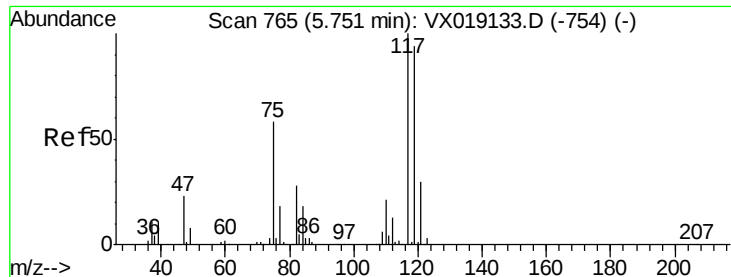
#36
 1,1-Dichloropropene
 Concen: 5.087 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX019365.D
 Acq: 09 Nov 2020 14:14

Tgt Ion: 75 Resp: 24431
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.3 54.9#
 77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

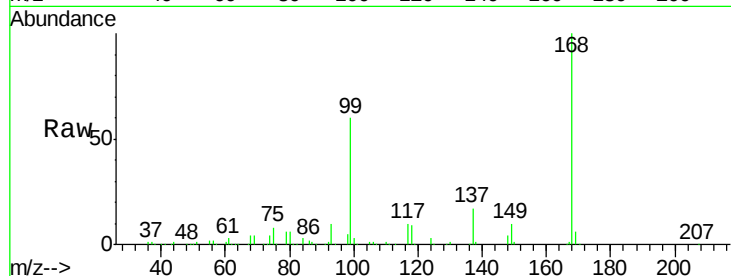




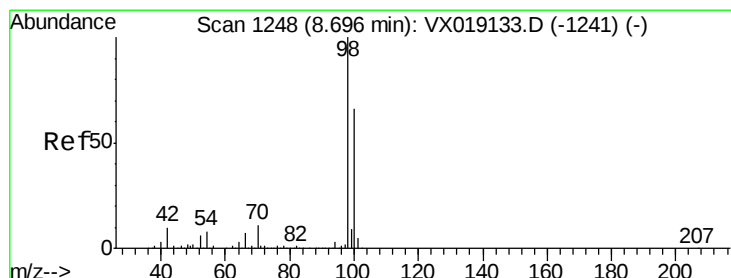
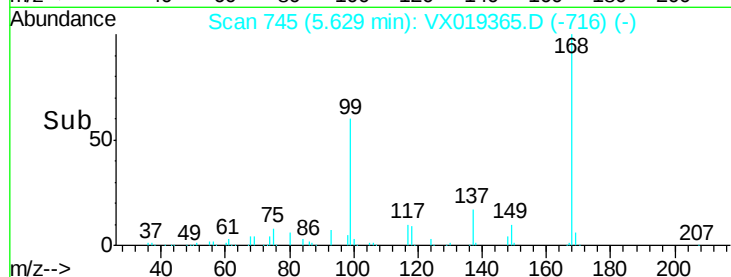
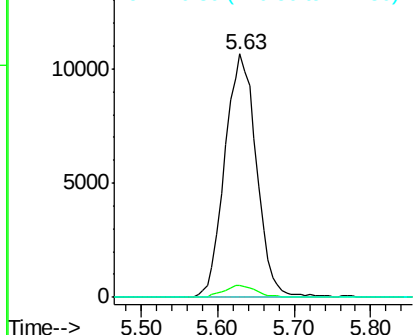
#38
Carbon Tetrachloride
Concen: 6.246 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019365.D
Acq: 09 Nov 2020 14:14

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 30574
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 23.9 35.9#

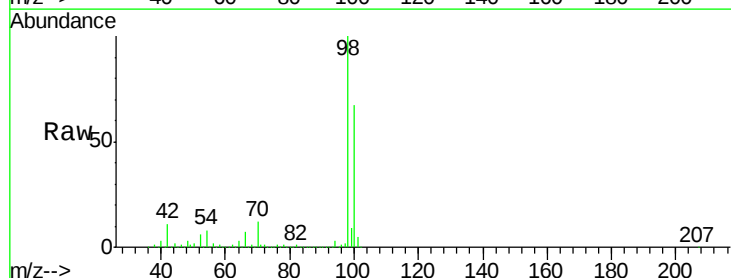


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

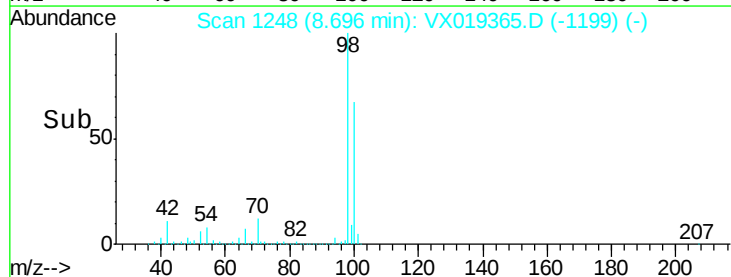
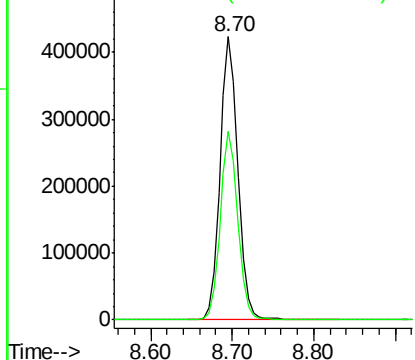


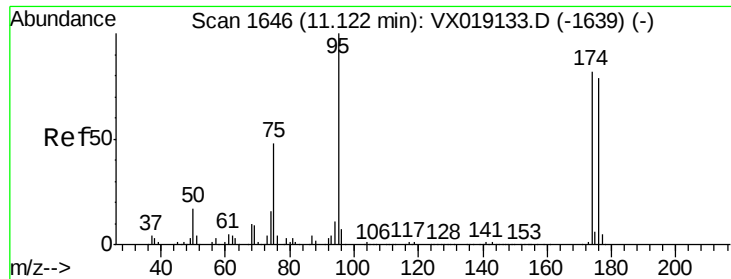
#50
Toluene-d8
Concen: 52.365 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019365.D
Acq: 09 Nov 2020 14:14

Tgt Ion: 98 Resp: 644867
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

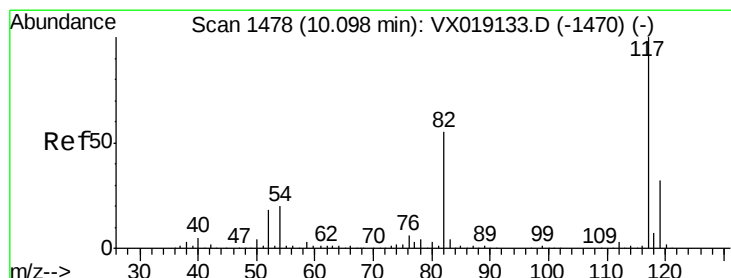
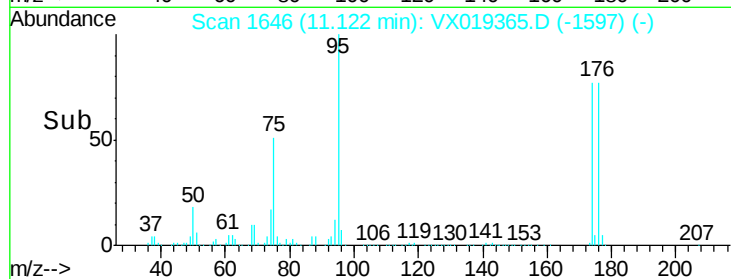
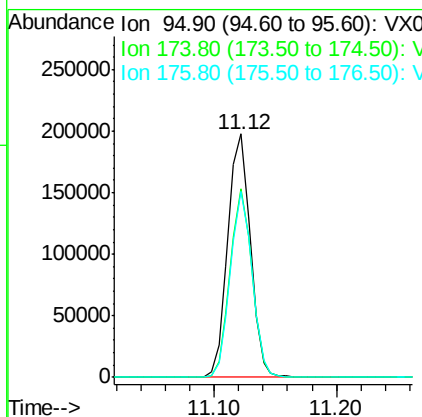
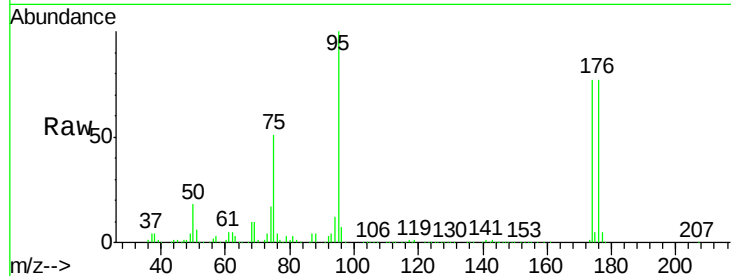




#62
4-Bromofluorobenzene
Concen: 54.207 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019365.D
Acq: 09 Nov 2020 14:14

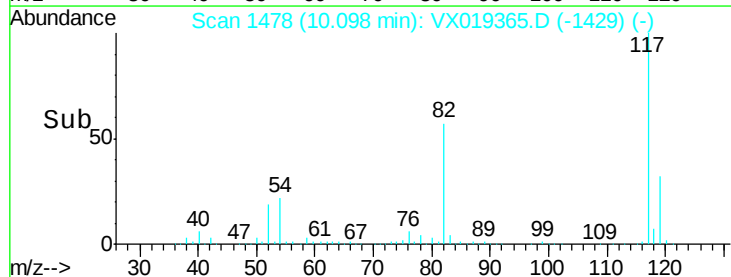
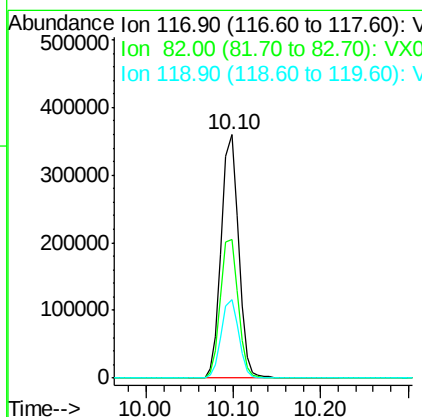
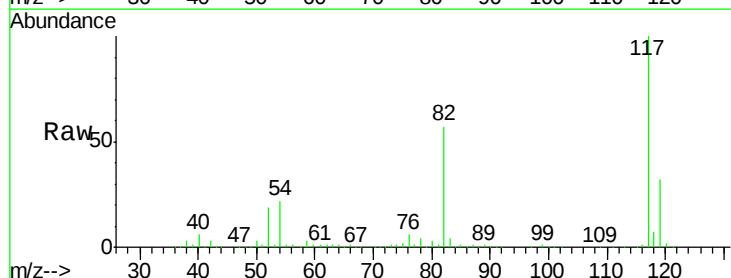
Instrument :
MSVOA_X
ClientSampled :

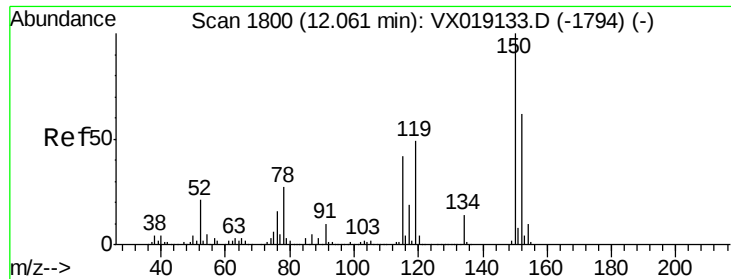
Tot Ion: 95 Resp: 252808
Ion Ratio Lower Upper
95 100
174 75.0 0.0 156.0
176 73.7 0.0 149.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019365.D
Acq: 09 Nov 2020 14:14

Tgt Ion: 117 Resp: 493132
Ion Ratio Lower Upper
117 100
82 56.7 43.6 65.4
119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019365.D

Acq: 09 Nov 2020 14:14

Instrument :

MSVOA_X

ClientSampleId :

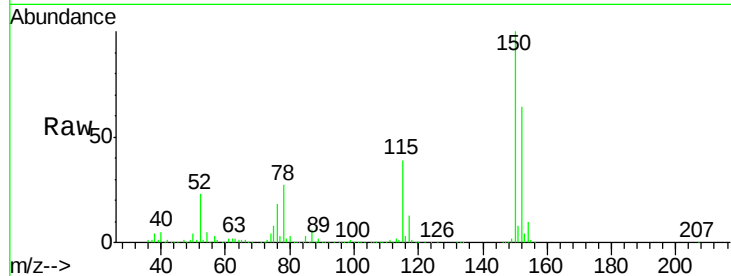
Tot Ion:152 Resp: 253196

Ion Ratio Lower Upper

152 100

115 61.0 41.9 125.7

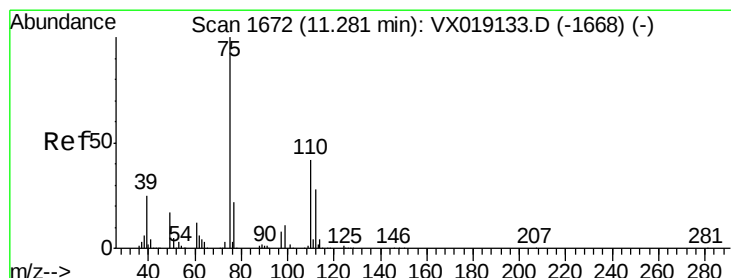
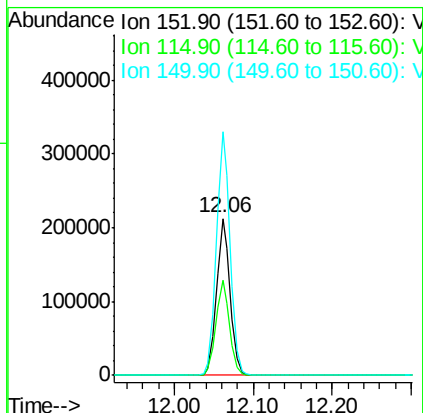
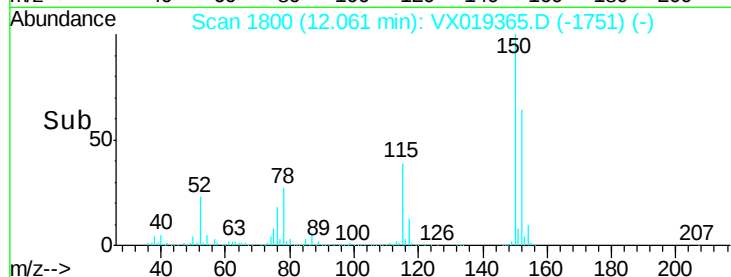
150 157.8 0.0 347.8



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: 24.900 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019365.D

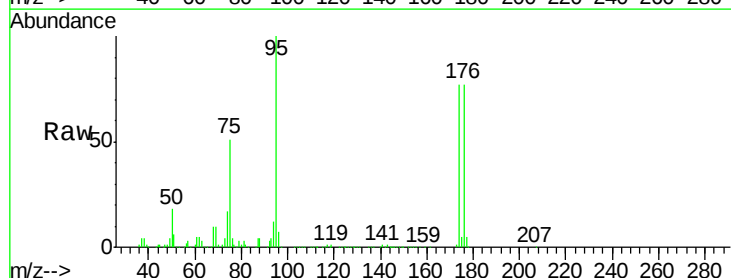
Acq: 09 Nov 2020 14:14

Tgt Ion: 75 Resp: 130174

Ion Ratio Lower Upper

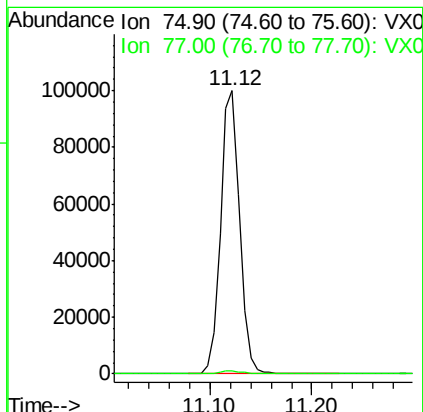
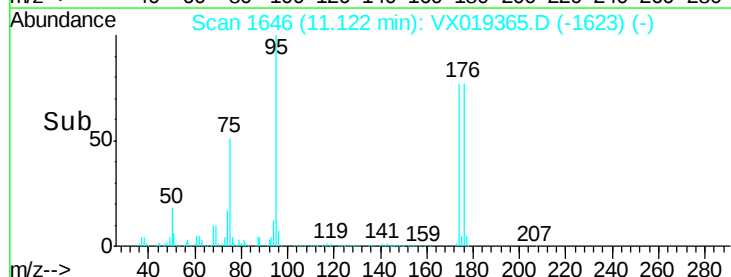
75 100

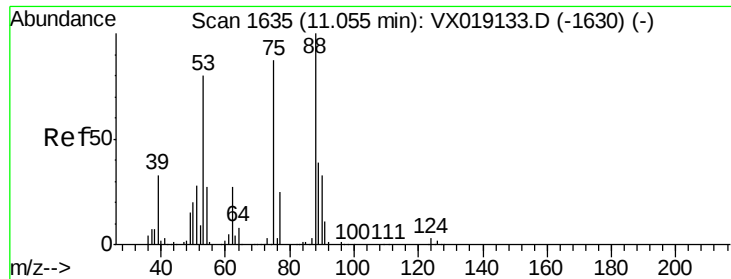
77 1.1 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

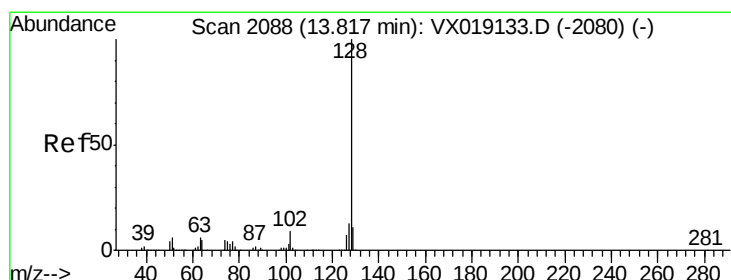
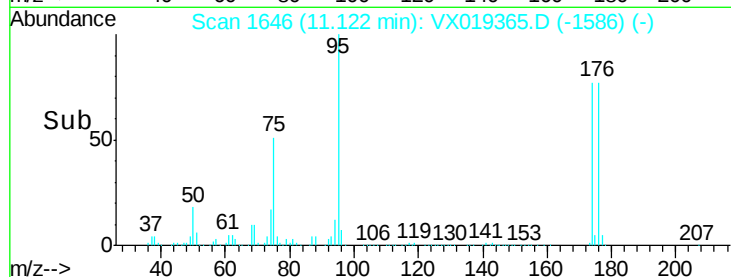
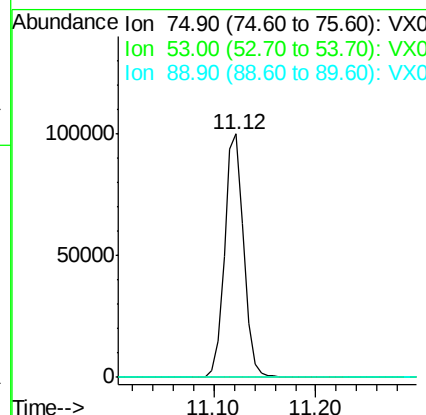
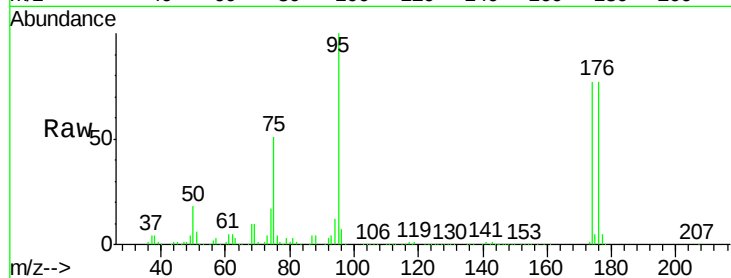




#81
trans-1,4-Dichloro-2-butene
Concen: 65.560 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019365.D
Acq: 09 Nov 2020 14:14

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 130174
Ion Ratio Lower Upper
75 100
53 0.0 73.3 109.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: 1.382 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019365.D
Acq: 09 Nov 2020 14:14

Tgt Ion: 128 Resp: 26012
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.7 8.6 13.0

