

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110920\
 Data File : VX019368.D
 Acq On : 09 Nov 2020 15:21
 Operator : JC/MD
 Sample : L4668-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 10 01:45:10 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	290286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	507764	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	483251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	245100	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	203691	54.41	ug/l	0.00
Spiked Amount			Recovery	=	108.82%	
35) Dibromofluoromethane	5.46	113	159292	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	8.70	98	630958	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	11.12	95	244493	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	

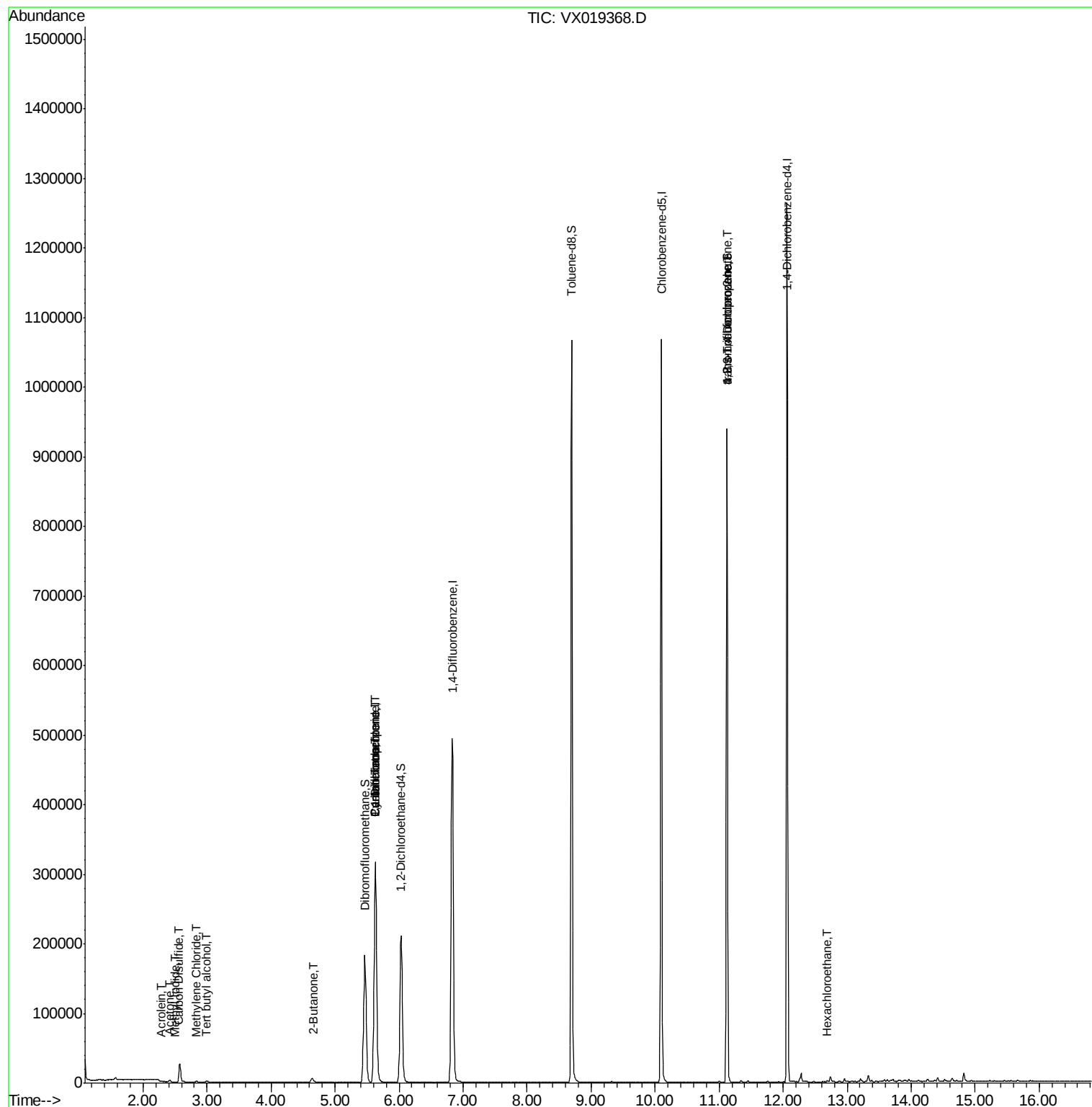
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	47	6.391	ug/l #	39
11) Tert butyl alcohol	2.99	59	1289	1.743	ug/l #	72
13) Acrolein	2.28	56	49	5.793	ug/l #	16
16) Acetone	2.42	43	2811	2.177	ug/l #	86
17) Carbon Disulfide	2.56	76	462	0.817	ug/l #	68
20) Methylene Chloride	2.84	84	669	0.206	ug/l #	85
25) 2-Butanone	4.66	43	844	0.415	ug/l #	44
31) Cyclohexane	5.62	56	6345	1.341	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24488	5.223	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30335	6.347	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	125323	24.764	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	125323	65.202	ug/l #	12
90) Hexachloroethane	12.68	117	635	0.240	ug/l #	11

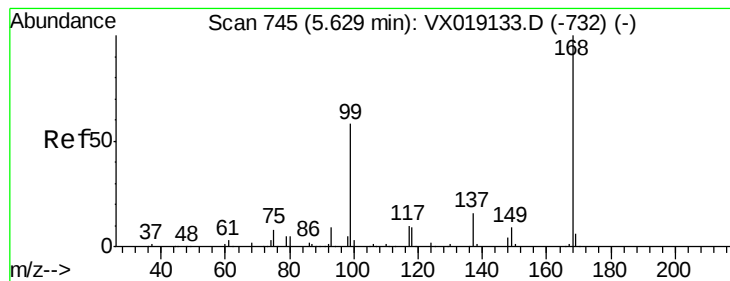
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019368.D

Acq: 09 Nov 2020 15:21

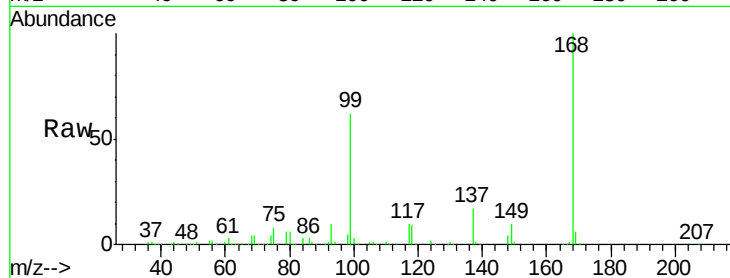
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 290286

Ion Ratio Lower Upper

168 100

99 62.1 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

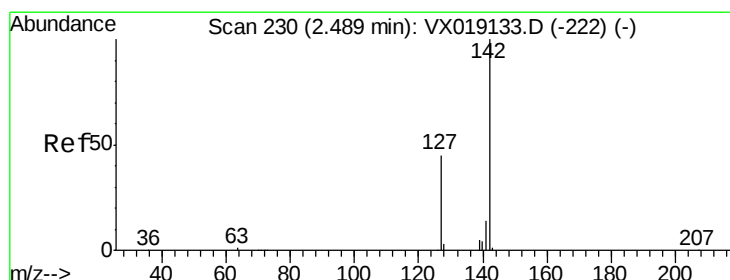
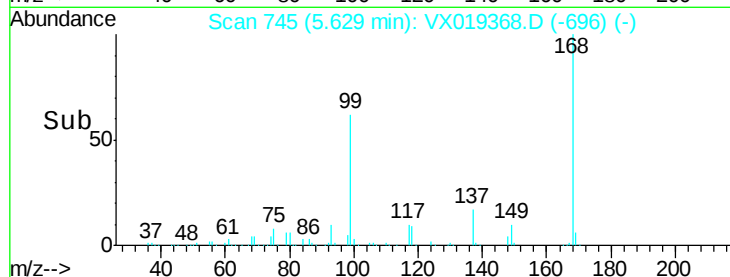
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 6.391 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019368.D

Acq: 09 Nov 2020 15:21

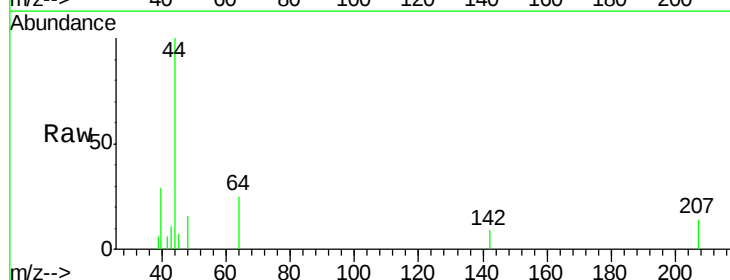
Tgt Ion:142 Resp: 47

Ion Ratio Lower Upper

142 100

127 0.0 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

2.50

100

80

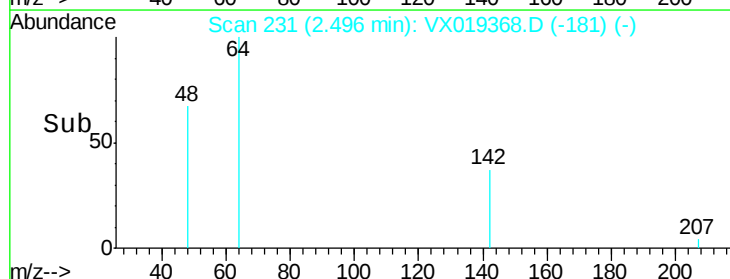
60

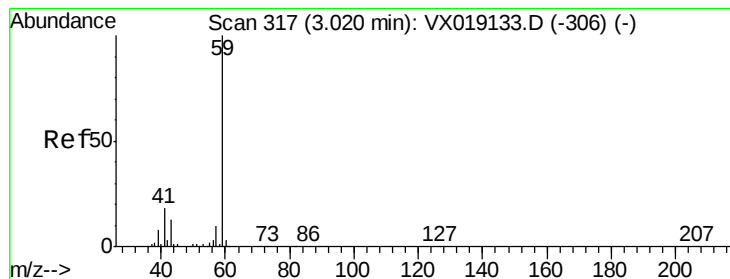
40

20

0

Time-->



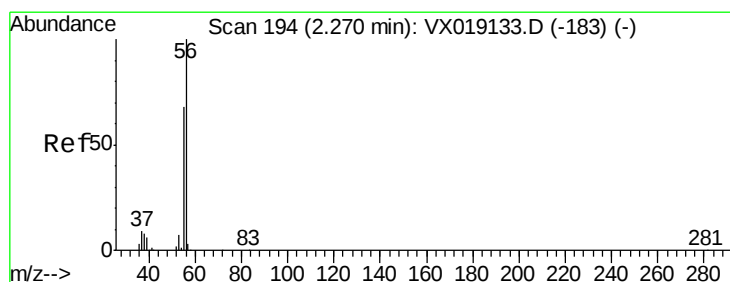
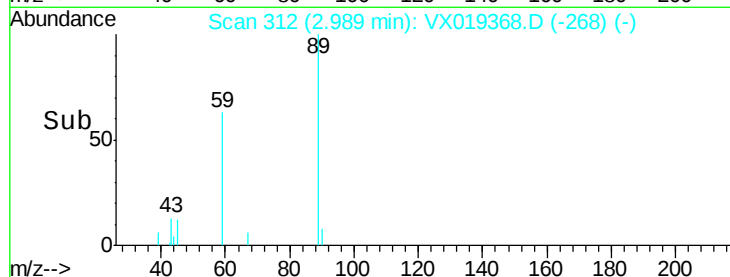
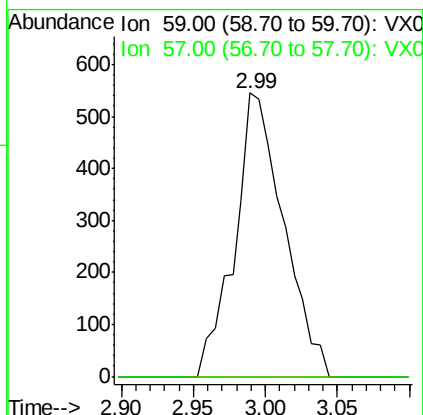
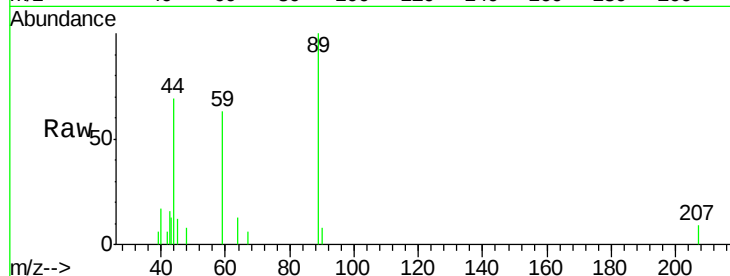


#11

Tert butyl alcohol
 Concen: 1.743 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.03 min
 Lab File: VX019368.D
 Acq: 09 Nov 2020 15:21

Instrument :
 MSVOA_X
 ClientSampled :

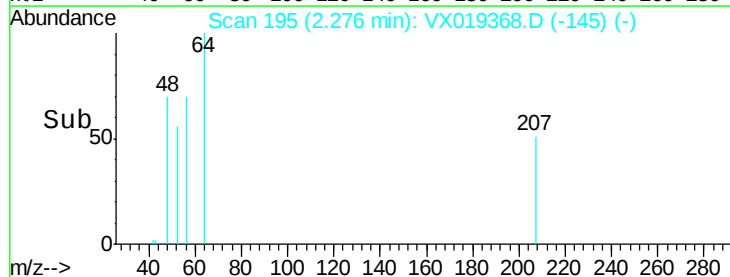
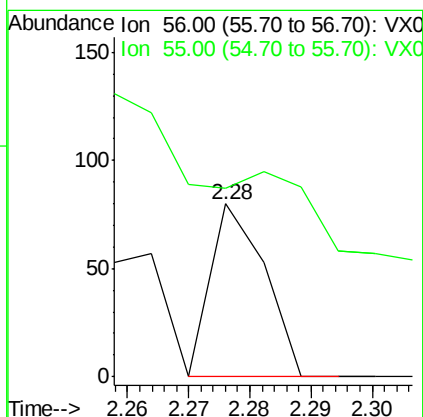
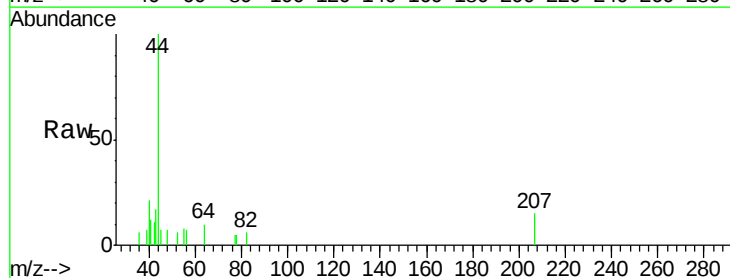
Tot Ion: 59 Resp: 1289
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

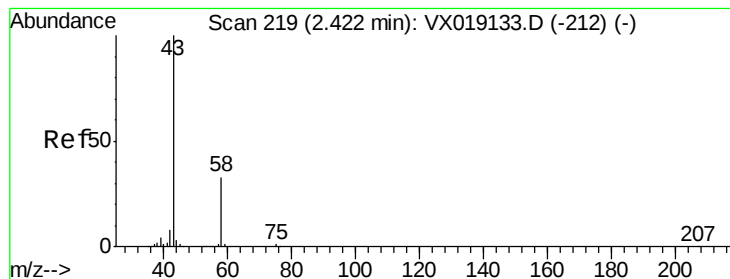


#13

Acrolein
 Concen: 5.793 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX019368.D
 Acq: 09 Nov 2020 15:21

Tgt Ion: 56 Resp: 49
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#





#16

Acetone

Concen: 2.177 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019368.D

Acq: 09 Nov 2020 15:21

Instrument :

MSVOA_X

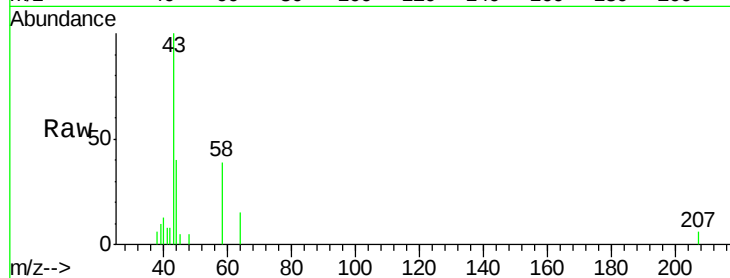
ClientSampleId :

Tot Ion: 43 Resp: 2811

Ion Ratio Lower Upper

43 100

58 40.8 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

1500

1000

500

0

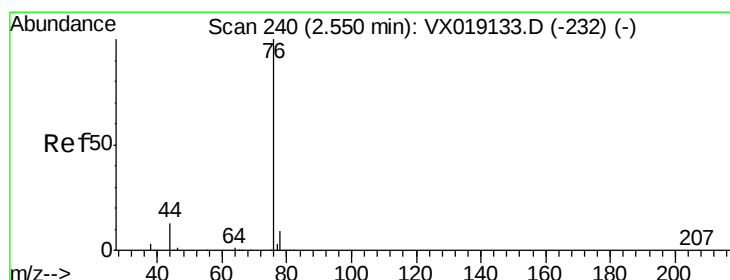
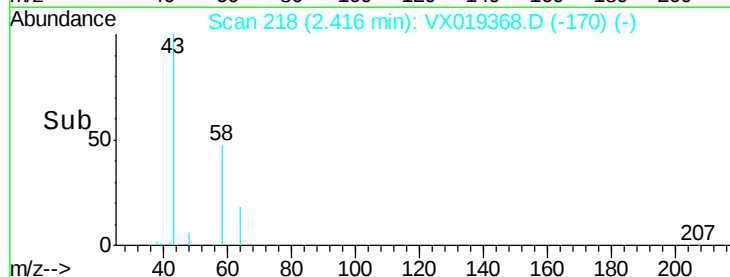
Time-->

2.35

2.40

2.45

2.50



#17

Carbon Disulfide

Concen: 0.817 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019368.D

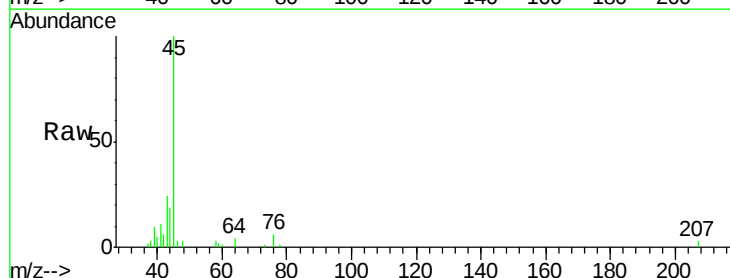
Acq: 09 Nov 2020 15:21

Tgt Ion: 76 Resp: 462

Ion Ratio Lower Upper

76 100

78 20.8 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

300

200

100

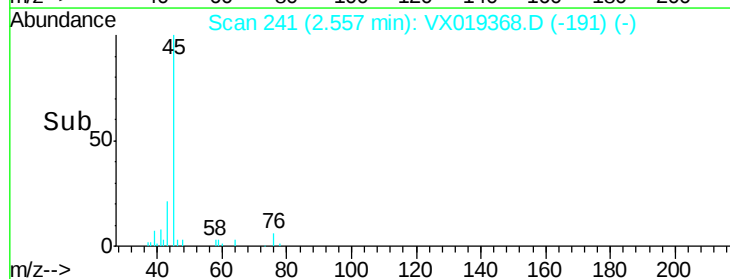
0

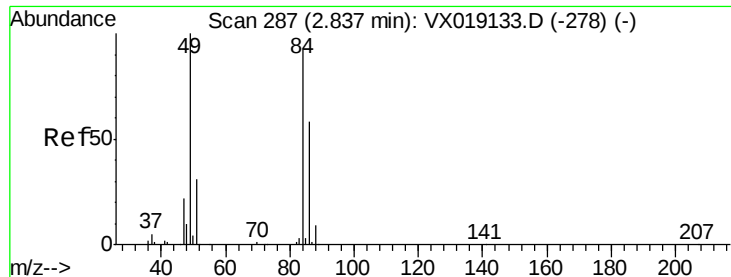
Time-->

2.50

2.55

2.60





#20

Methvlene Chloride

Concen: 0.206 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX019368.D

Acq: 09 Nov 2020 15:21

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 669

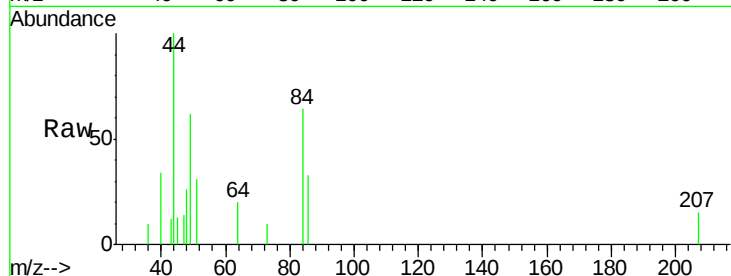
Ion Ratio Lower Upper

84 100

49 96.8 86.8 130.2

51 48.7 27.3 40.9#

86 50.8 50.6 76.0

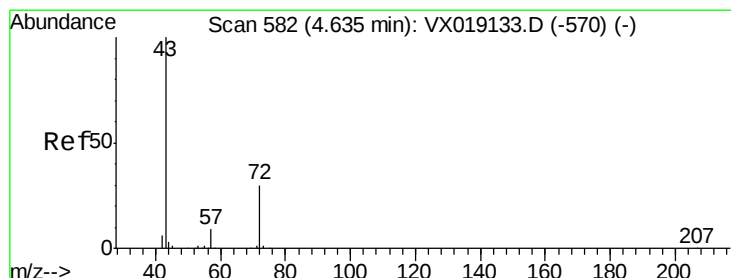
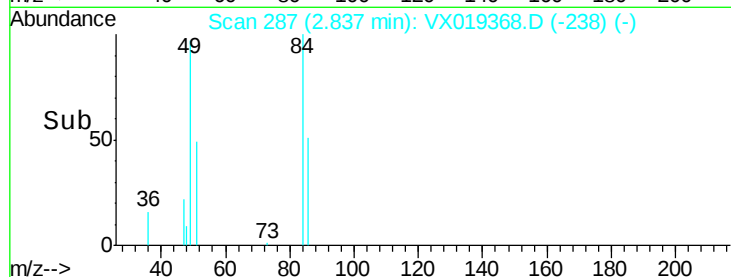
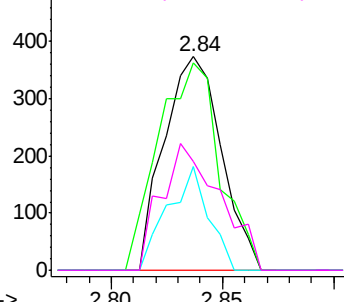


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.415 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX019368.D

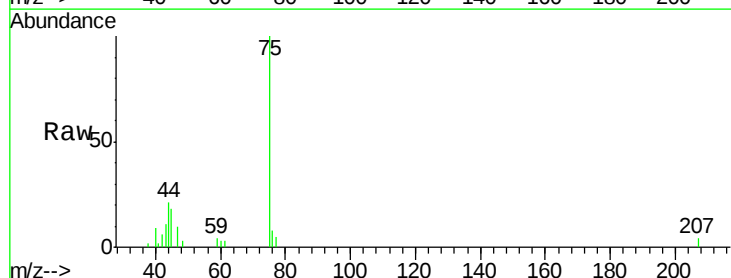
Acq: 09 Nov 2020 15:21

Tgt Ion: 43 Resp: 844

Ion Ratio Lower Upper

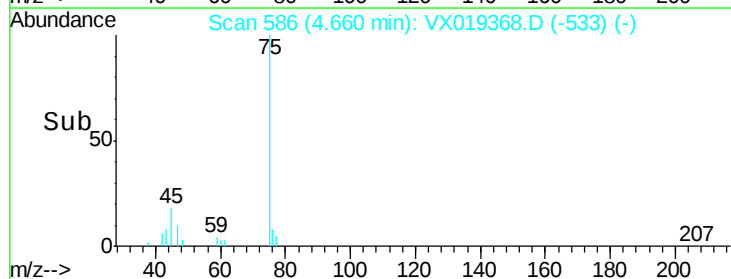
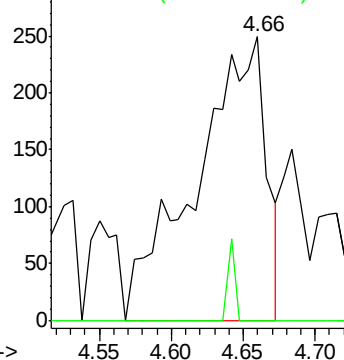
43 100

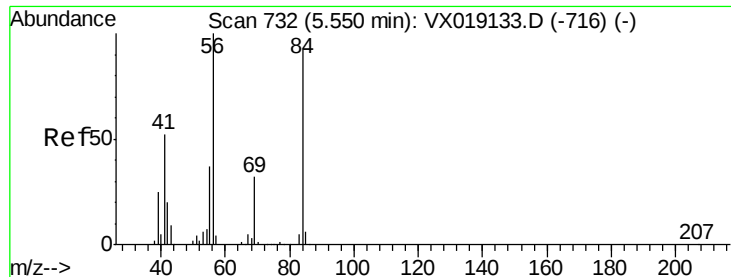
72 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

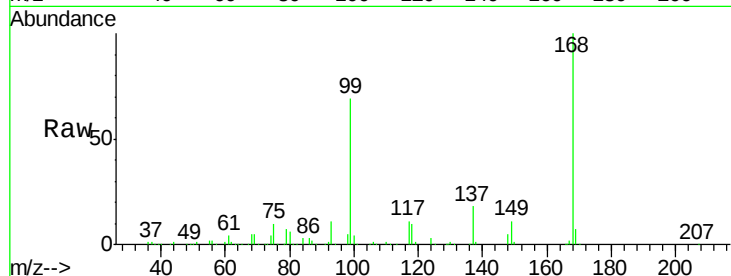




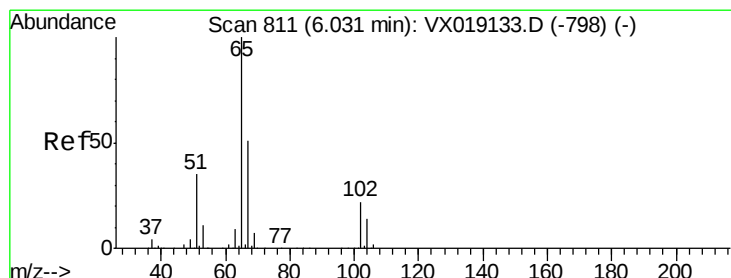
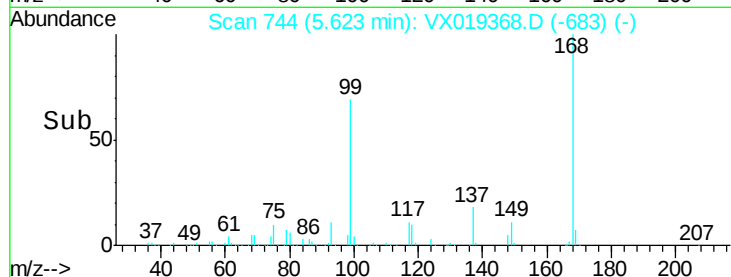
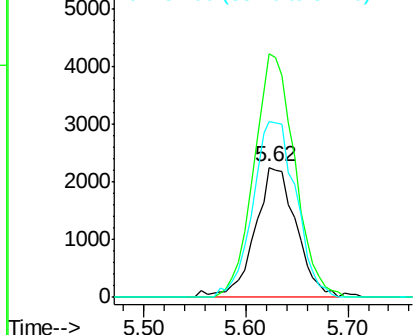
#31
Cyclohexane
Concen: 1.341 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX019368.D
Acq: 09 Nov 2020 15:21

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 6345
Ion Ratio Lower Upper
56 100
69 187.3 25.9 38.9#
84 135.4 73.4 110.2#

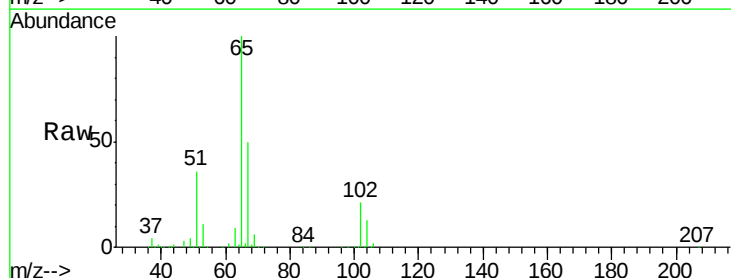


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

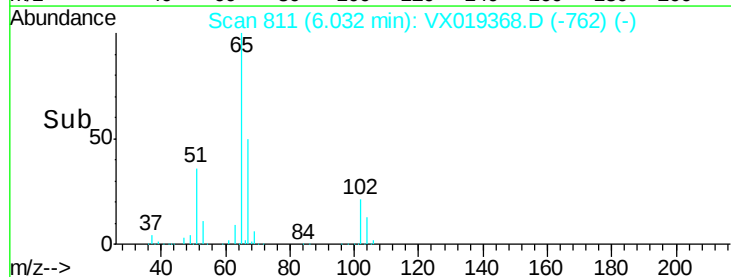
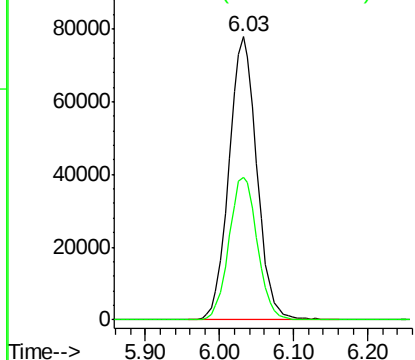


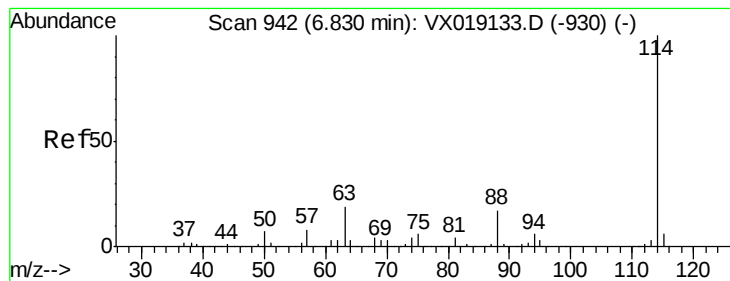
#33
1,2-Dichloroethane-d4
Concen: 54.411 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX019368.D
Acq: 09 Nov 2020 15:21

Tgt Ion: 65 Resp: 203691
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019368.D

Acq: 09 Nov 2020 15:21

Instrument :

MSVOA_X

ClientSampled :

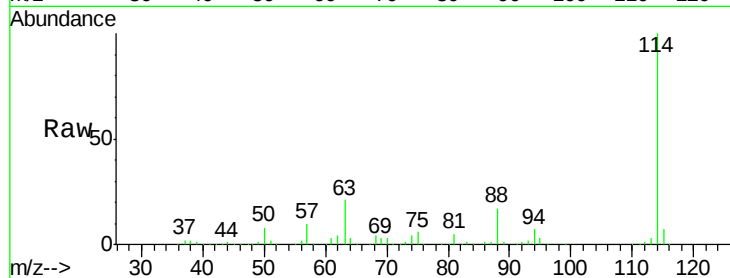
Tot Ion:114 Resp: 507764

Ion Ratio Lower Upper

114 100

63 21.4 0.0 38.8

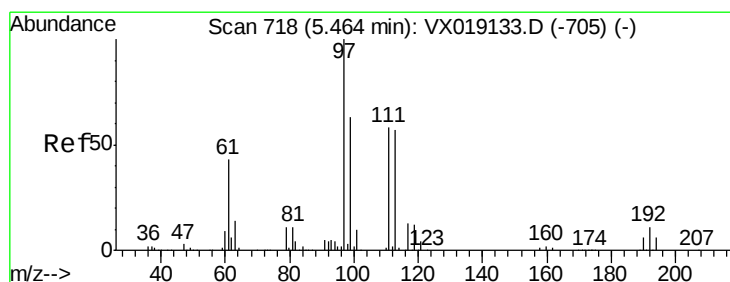
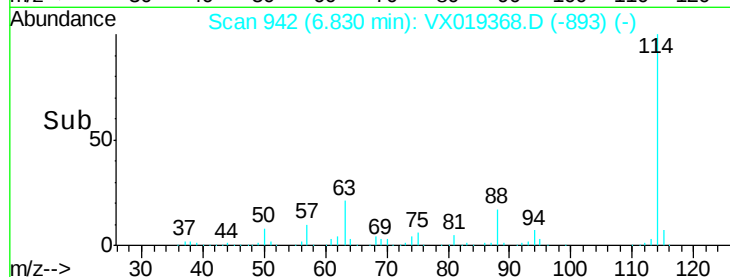
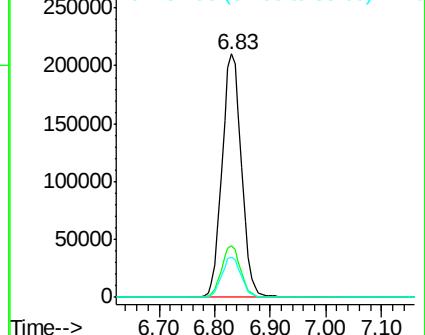
88 16.6 0.0 34.2



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: 49.943 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019368.D

Acq: 09 Nov 2020 15:21

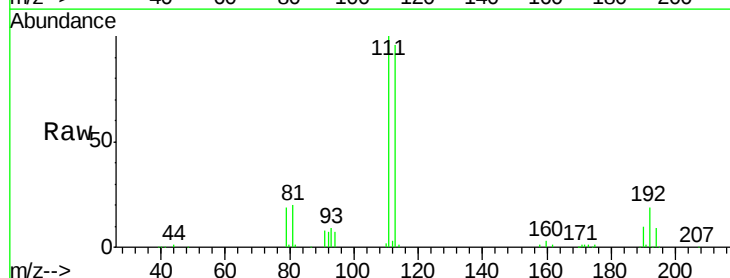
Tgt Ion:113 Resp: 159292

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

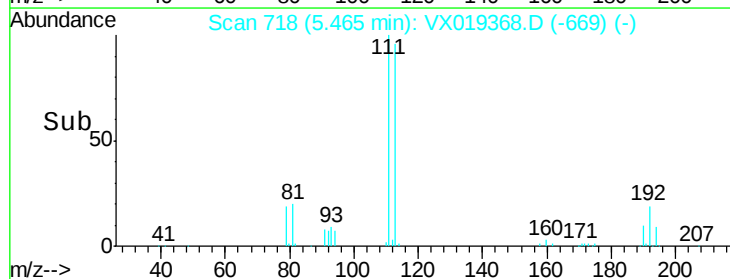
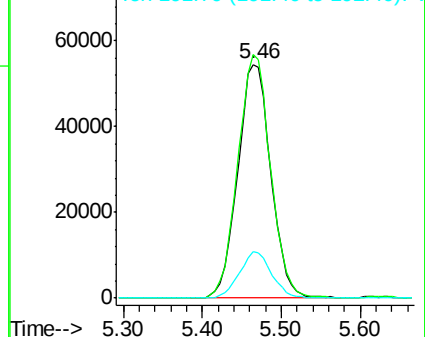
192 19.2 16.2 24.2

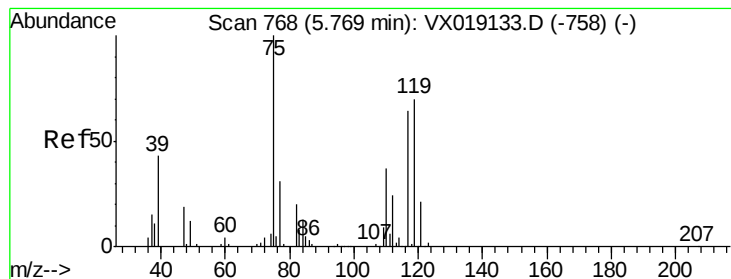


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.223 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019368.D

Acq: 09 Nov 2020 15:21

Instrument :

MSVOA_X

ClientSampled :

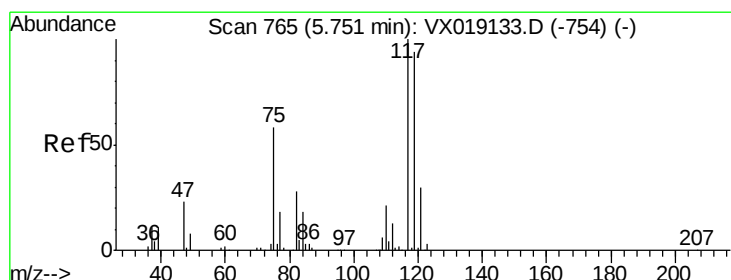
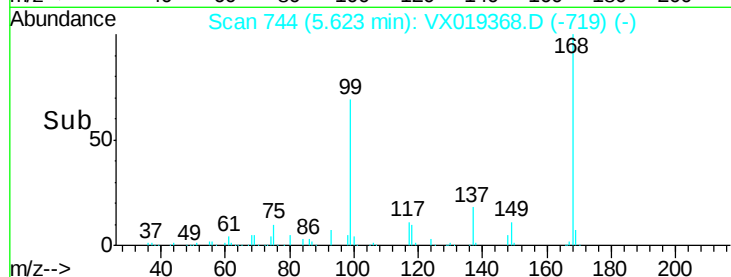
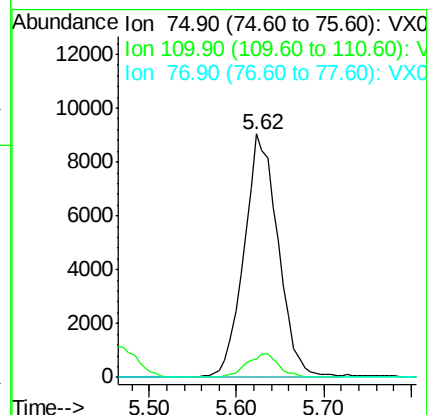
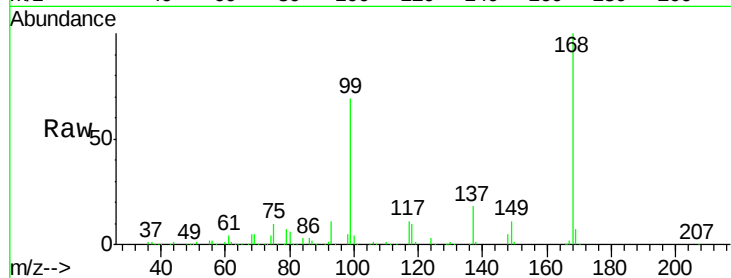
Tot Ion: 75 Resp: 24488

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.347 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019368.D

Acq: 09 Nov 2020 15:21

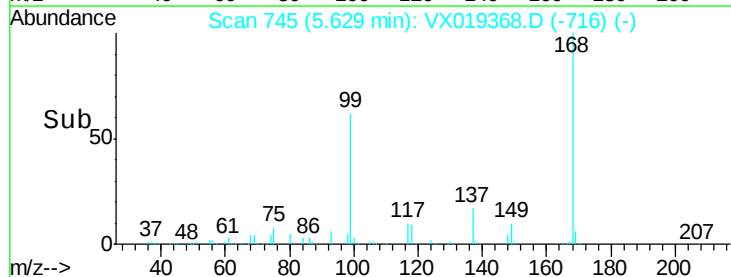
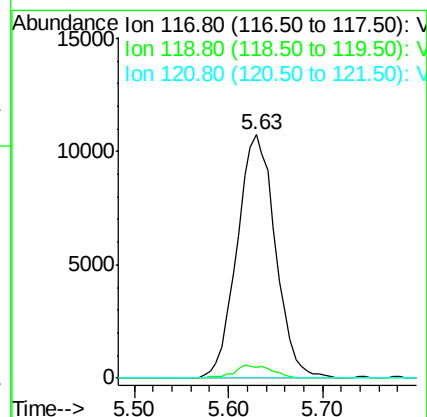
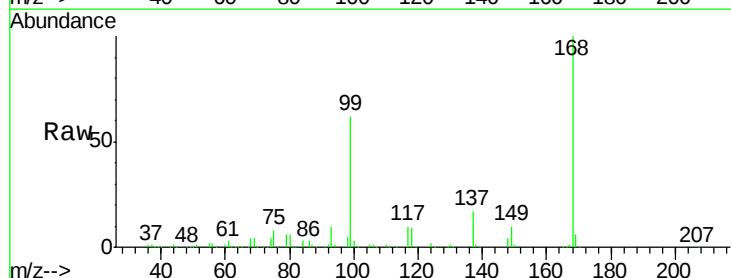
Tgt Ion:117 Resp: 30335

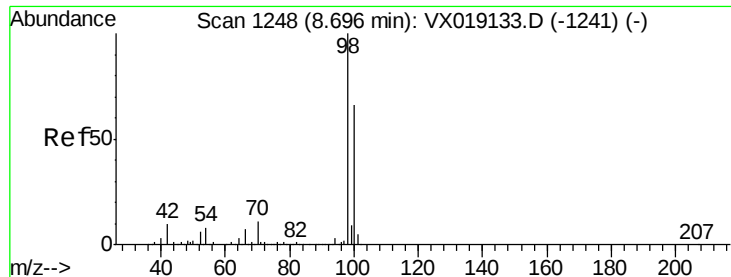
Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 52.479 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019368.D

Acq: 09 Nov 2020 15:21

Instrument :

MSVOA_X

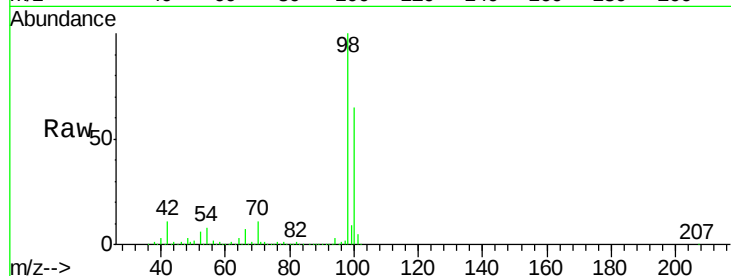
ClientSampleId :

Tot Ion: 98 Resp: 630958

Ion Ratio Lower Upper

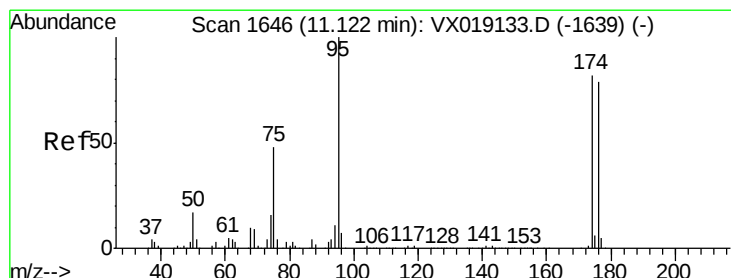
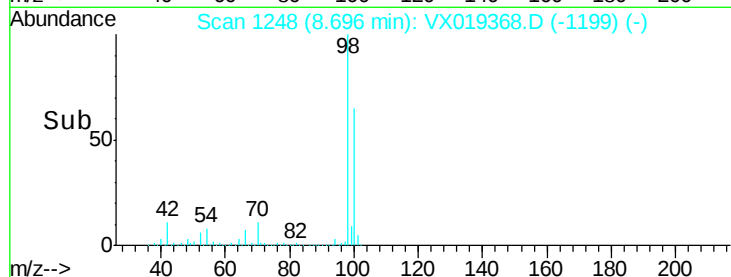
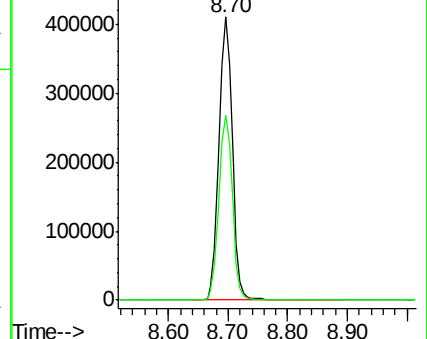
98 100

100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 53.697 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019368.D

Acq: 09 Nov 2020 15:21

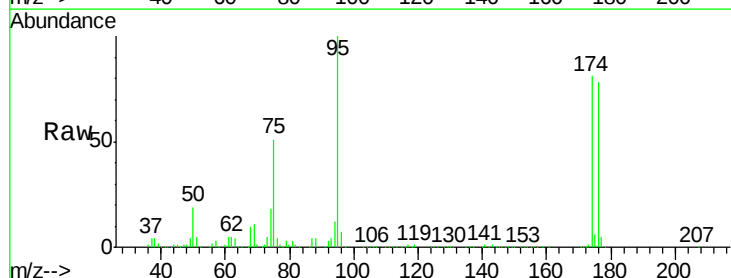
Tgt Ion: 95 Resp: 244493

Ion Ratio Lower Upper

95 100

174 75.1 0.0 156.0

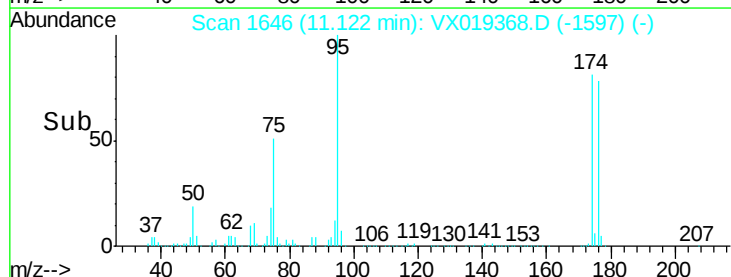
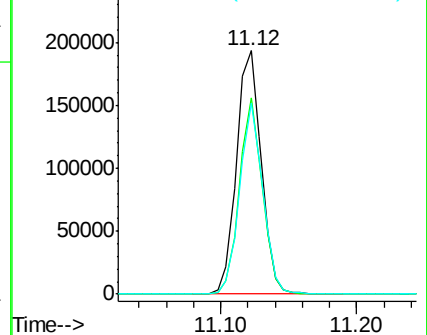
176 73.7 0.0 149.8

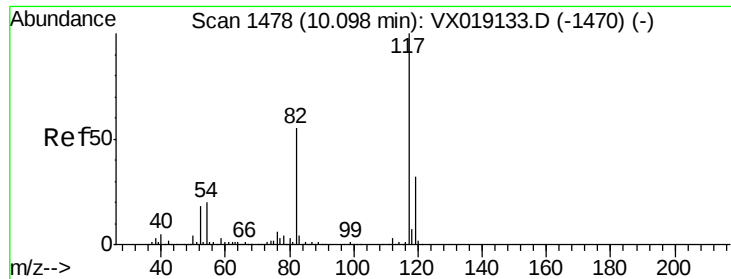


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

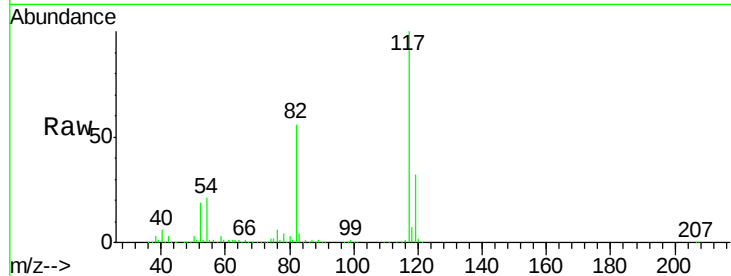




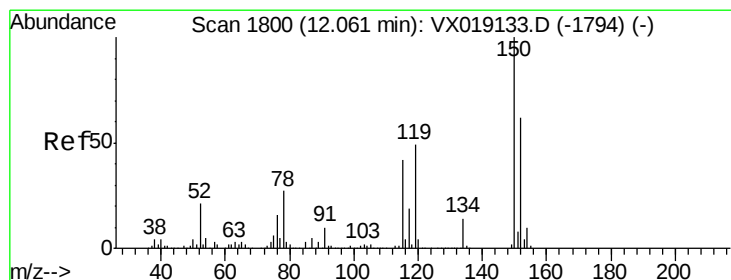
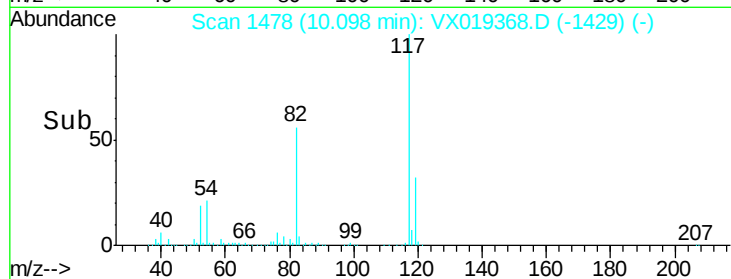
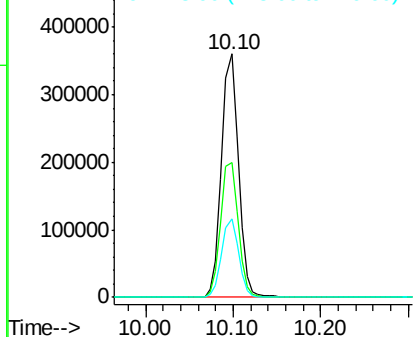
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019368.D
Acq: 09 Nov 2020 15:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.6	65.4
119	32.2	25.5	38.3

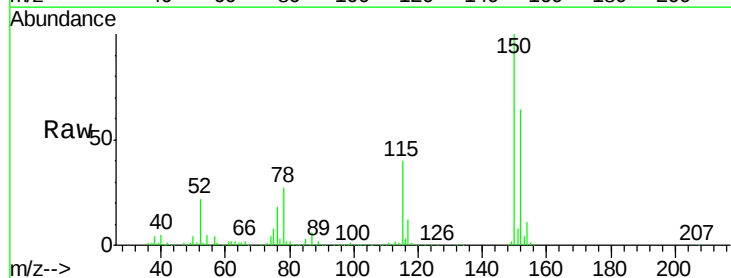


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

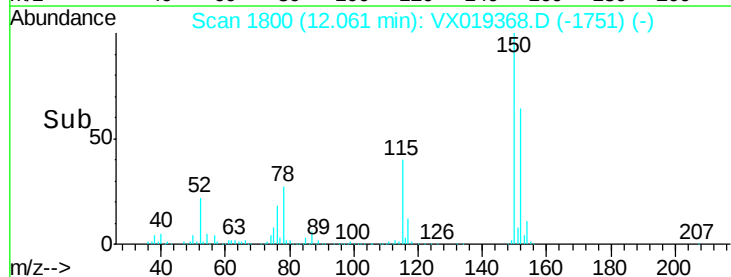
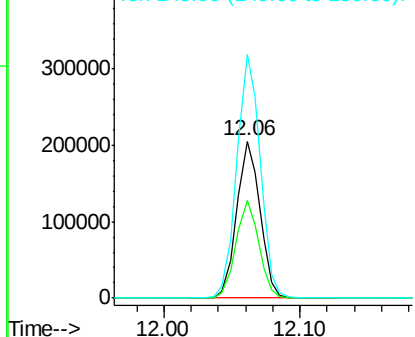


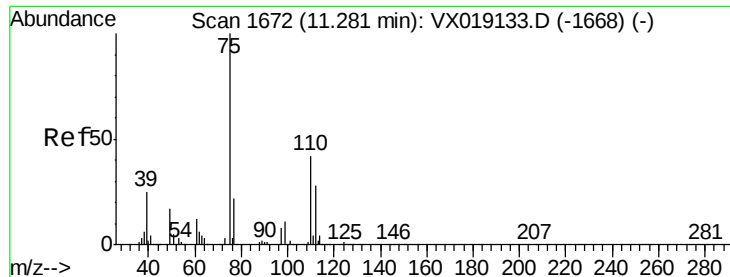
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019368.D
Acq: 09 Nov 2020 15:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	41.9	125.7
150	156.2	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: 24.764 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019368.D

Acq: 09 Nov 2020 15:21

Instrument :

MSVOA_X

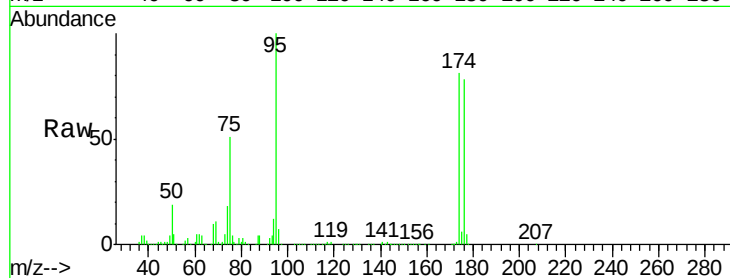
ClientSampled :

Tot Ion: 75 Resp: 125323

Ion Ratio Lower Upper

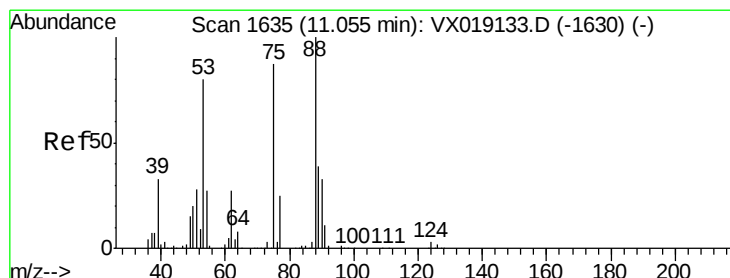
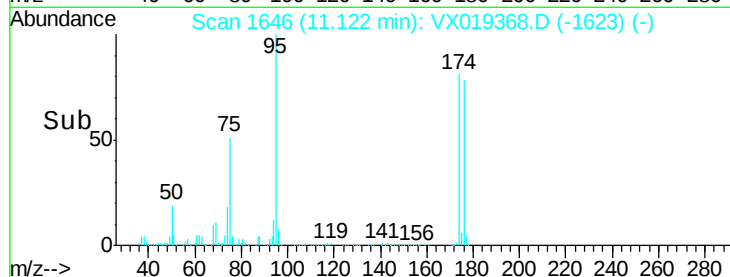
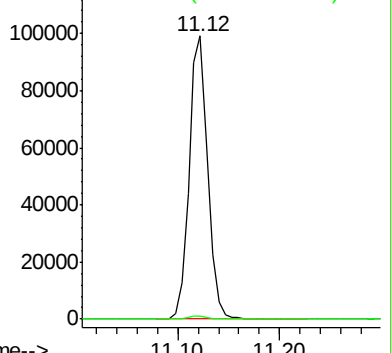
75 100

77 1.2 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: 65.202 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019368.D

Acq: 09 Nov 2020 15:21

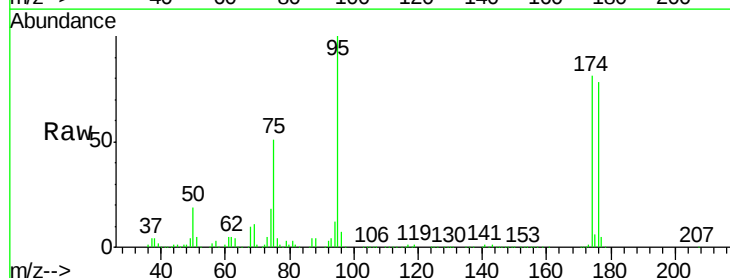
Tgt Ion: 75 Resp: 125323

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

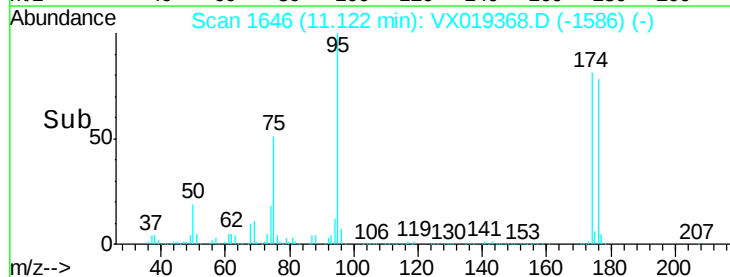
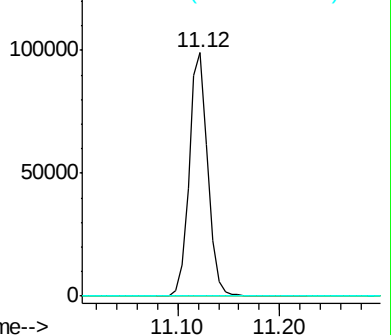
89 0.0 38.2 57.2#

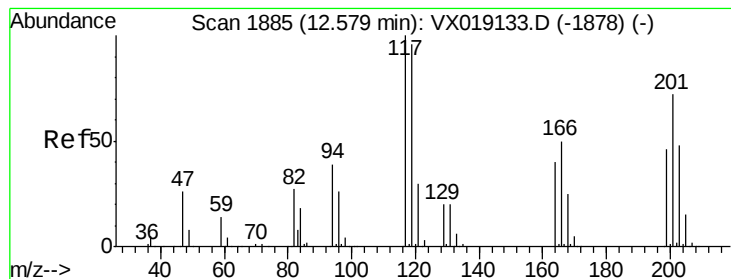


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 0.240 ug/l

RT: 12.68 min Scan# 1902

Delta R.T. 0.10 min

Lab File: VX019368.D

Acq: 09 Nov 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:117 Resp: 635

Ion Ratio Lower Upper

117 100

201 0.0 38.5 115.3#

