

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110920\
 Data File : VX019366.D
 Acq On : 09 Nov 2020 14:36
 Operator : JC/MD
 Sample : L4670-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 10 01:44:27 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	303501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	537240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	513789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	261626	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	214936	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	
35) Dibromofluoromethane	5.46	113	167996	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	8.70	98	668520	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	11.12	95	260162	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	

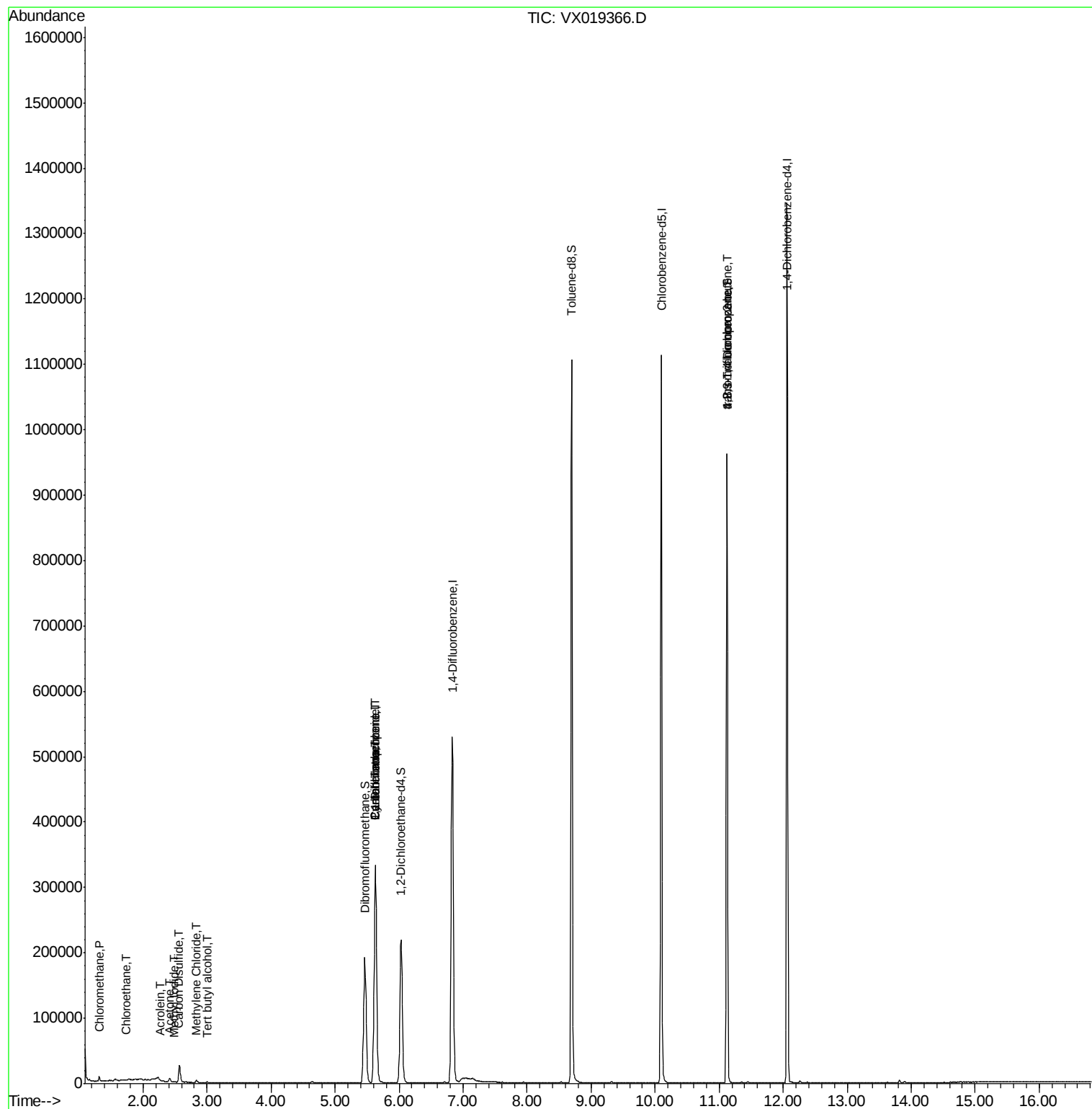
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3760	1.330	ug/l	98
6) Chloroethane	1.73	64	1462	0.699	ug/l #	65
10) Methyl Iodide	2.48	142	47	6.391	ug/l #	39
11) Tert butyl alcohol	3.00	59	604	0.781	ug/l #	72
13) Acrolein	2.27	56	38	5.755	ug/l #	16
16) Acetone	2.42	43	6304	4.669	ug/l	96
17) Carbon Disulfide	2.55	76	710	0.843	ug/l #	79
20) Methylene Chloride	2.84	84	1598	0.471	ug/l	94
31) Cyclohexane	5.64	56	6676	1.349	ug/l #	22
36) 1,1-Dichloropropene	5.62	75	25382	5.116	ug/l #	49
38) Carbon Tetrachloride	5.63	117	31662	6.261	ug/l #	18
76) 1,2,3-Trichloropropane	11.12	75	134086	24.821	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	134086	65.355	ug/l #	12

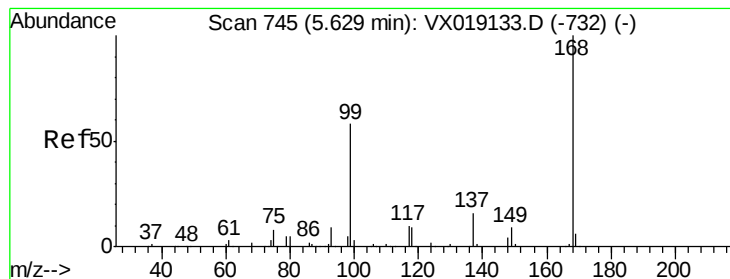
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110920\
Data File : VX019366.D
Acq On : 09 Nov 2020 14:36
Operator : JC/MD
Sample : L4670-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :

Quant Time: Nov 10 01:44:27 2020
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: VX019366.D

Acq: 09 Nov 2020 14:36

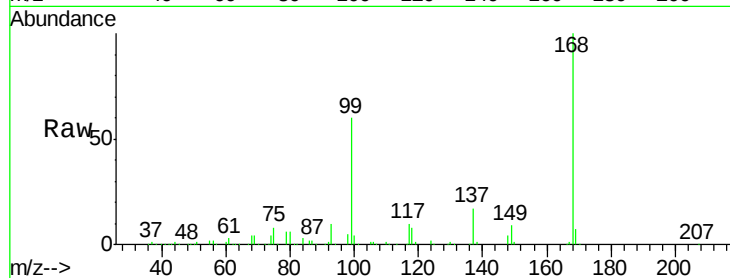
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 303501

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

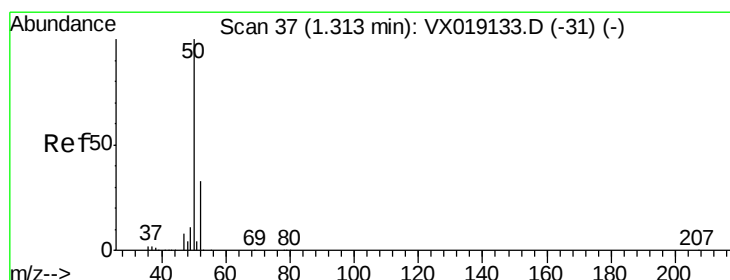
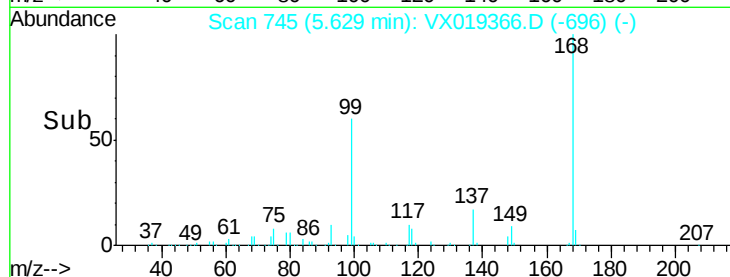
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 1.330 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019366.D

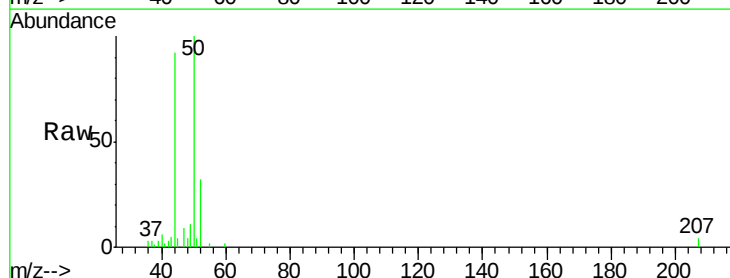
Acq: 09 Nov 2020 14:36

Tgt Ion: 50 Resp: 3760

Ion Ratio Lower Upper

50 100

52 32.1 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

4000

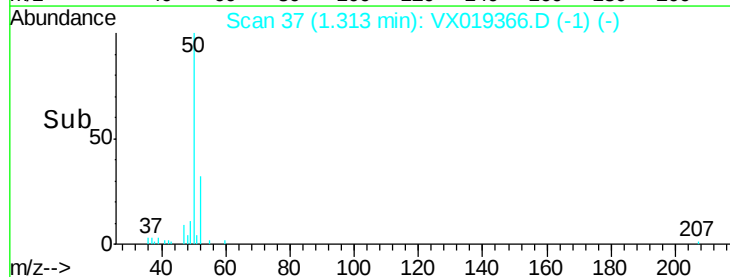
3000

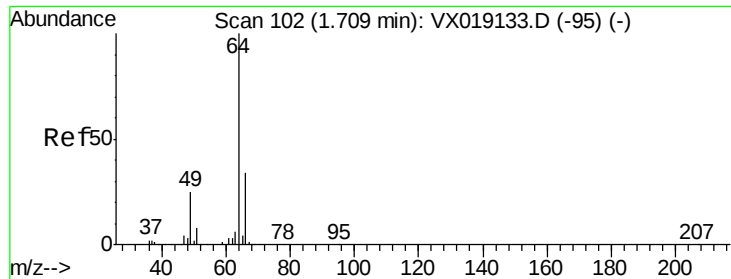
2000

1000

0

Time-->





#6

Chloroethane

Concen: 0.699 ug/l

RT: 1.73 min Scan# 105

Delta R.T. 0.02 min

Lab File: VX019366.D

Acq: 09 Nov 2020 14:36

Instrument :

MSVOA_X

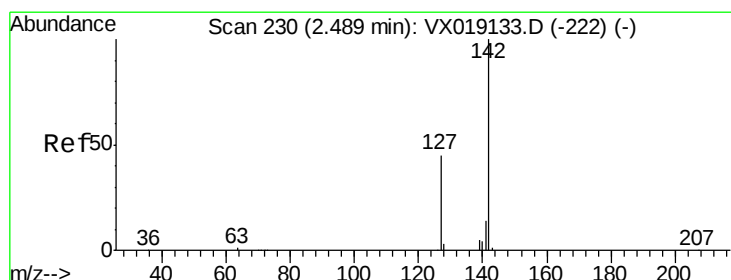
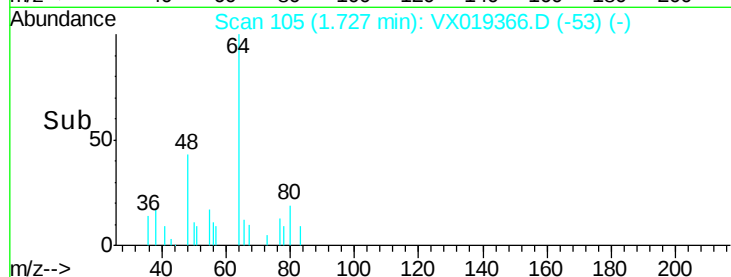
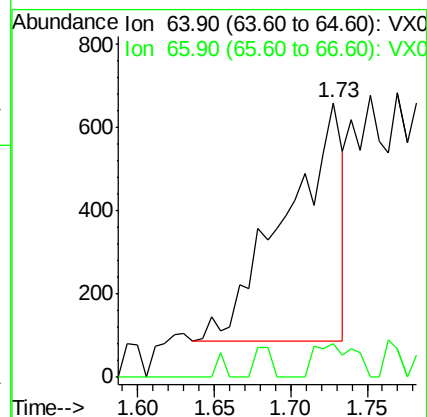
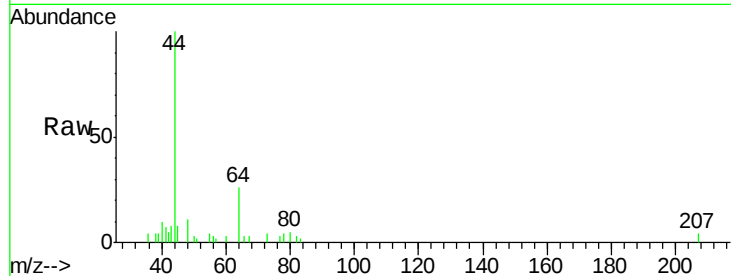
ClientSampleId :

Tot Ion: 64 Resp: 1462

Ion Ratio Lower Upper

64 100

66 14.0 27.1 40.7#



#10

Methyl Iodide

Concen: 6.391 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX019366.D

Acq: 09 Nov 2020 14:36

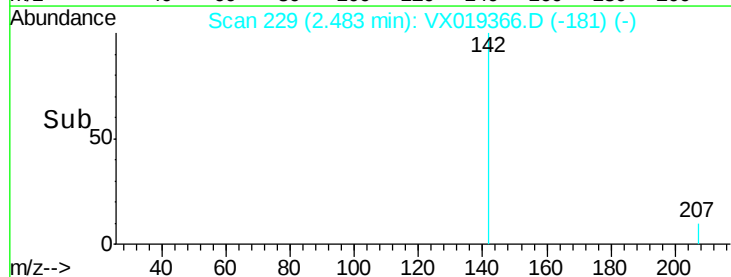
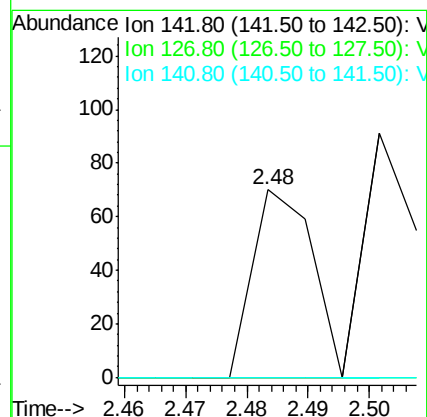
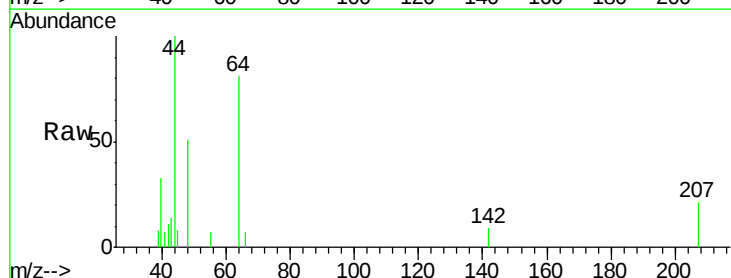
Tgt Ion: 142 Resp: 47

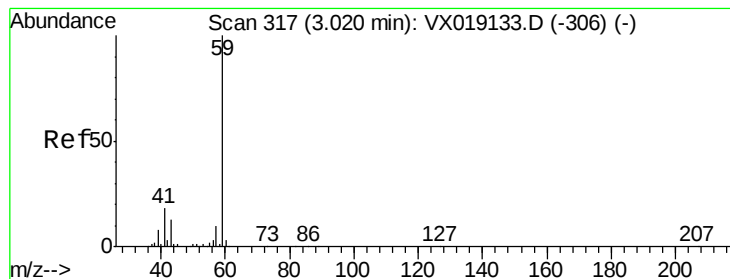
Ion Ratio Lower Upper

142 100

127 0.0 36.1 54.1#

141 0.0 11.3 16.9#



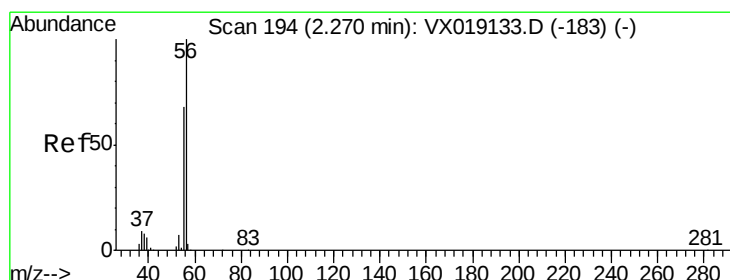
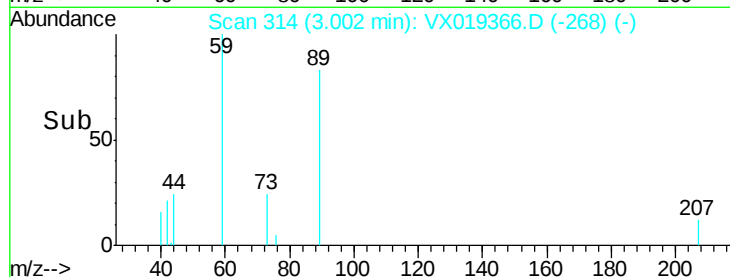
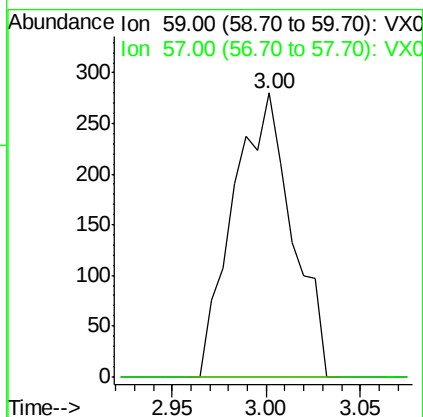
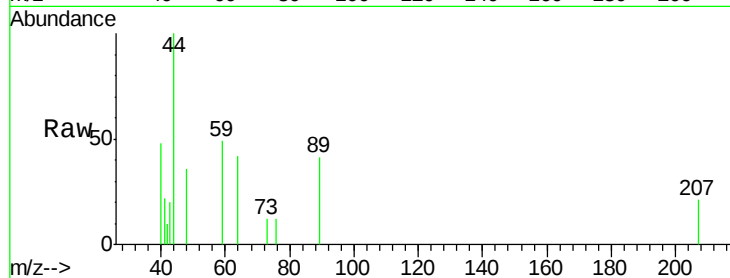


#11

Tert butyl alcohol
Concen: 0.781 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX019366.D
Acq: 09 Nov 2020 14:36

Instrument :
MSVOA_X
ClientSampled :

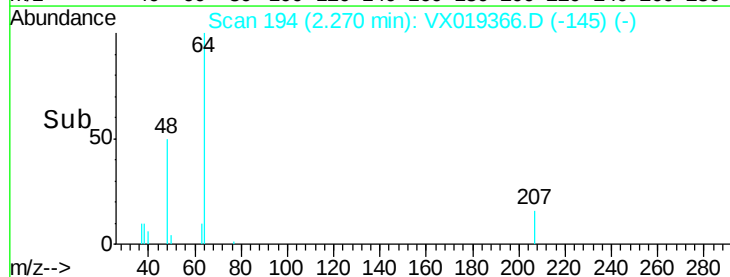
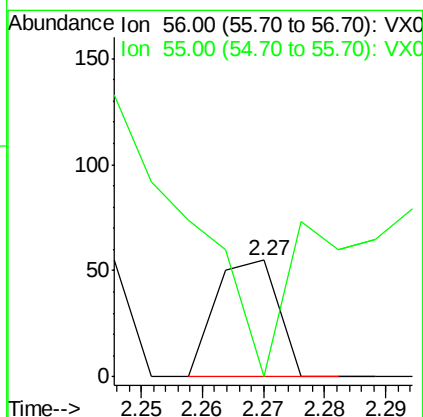
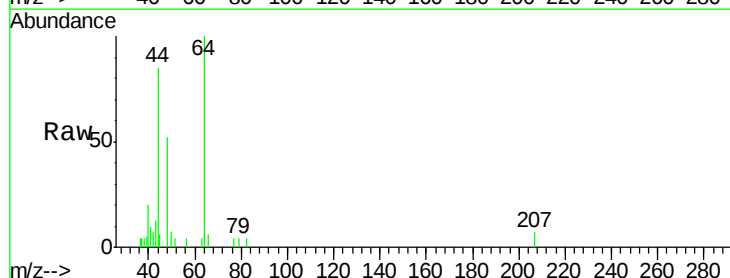
Tot Ion: 59 Resp: 604
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

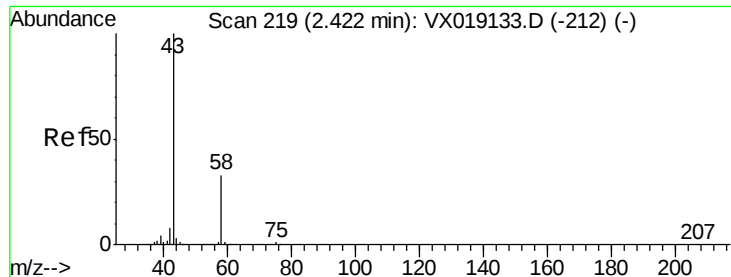


#13

Acrolein
Concen: 5.755 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX019366.D
Acq: 09 Nov 2020 14:36

Tgt Ion: 56 Resp: 38
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#





#16

Acetone

Concen: 4.669 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019366.D

Acq: 09 Nov 2020 14:36

Instrument :

MSVOA_X

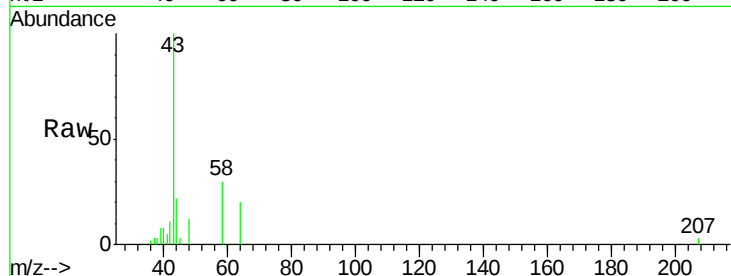
ClientSampled :

Tot Ion: 43 Resp: 6304

Ion Ratio Lower Upper

43 100

58 30.6 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

4000

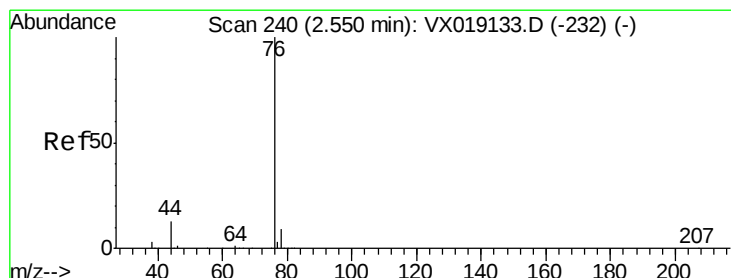
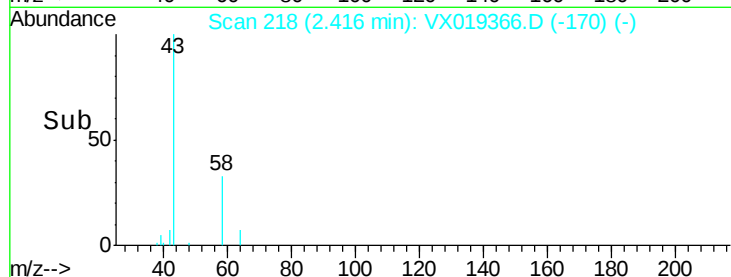
3000

2000

1000

0

Time--> 2.30 2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.843 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019366.D

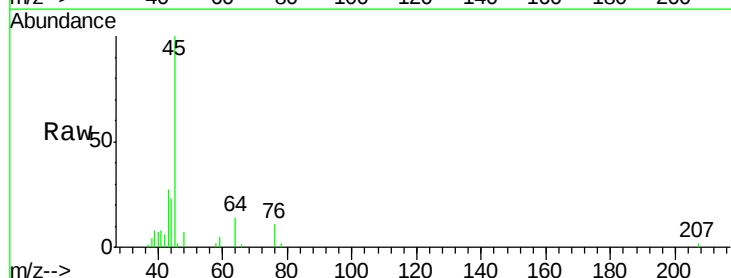
Acq: 09 Nov 2020 14:36

Tgt Ion: 76 Resp: 710

Ion Ratio Lower Upper

76 100

78 16.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

500

400

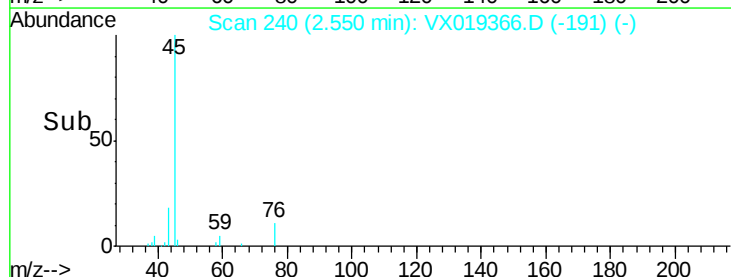
300

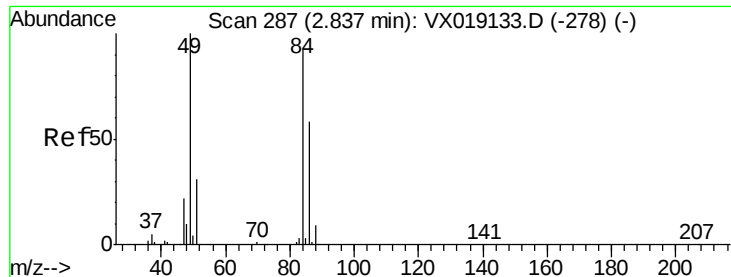
200

100

0

Time--> 2.50 2.55 2.60

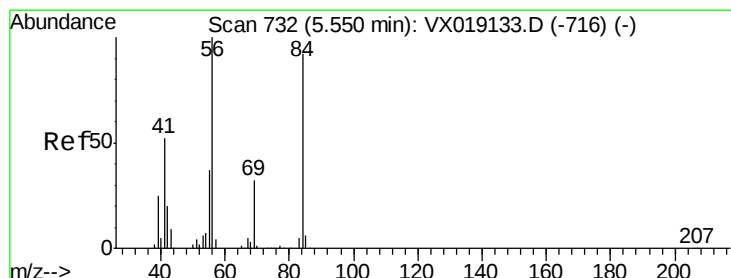
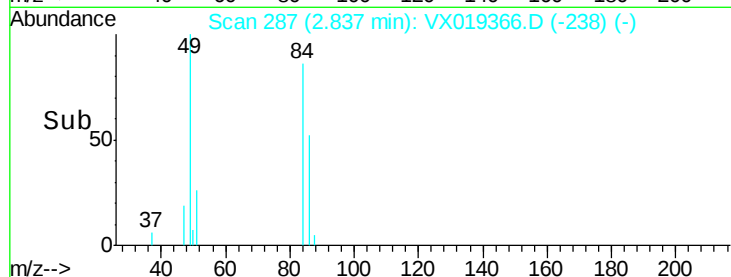
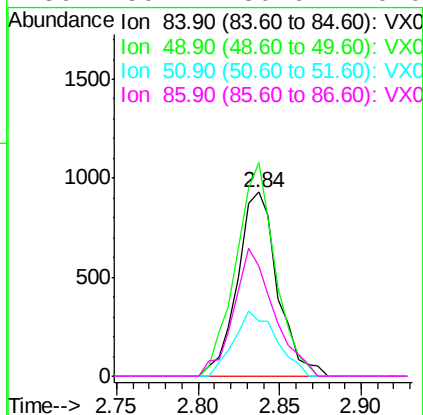
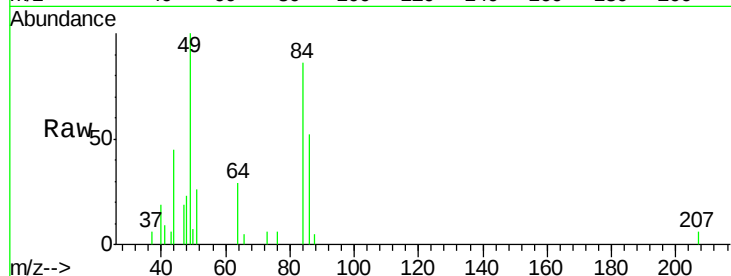




#20
Methvlene Chloride
Concen: 0.471 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019366.D
Acq: 09 Nov 2020 14:36

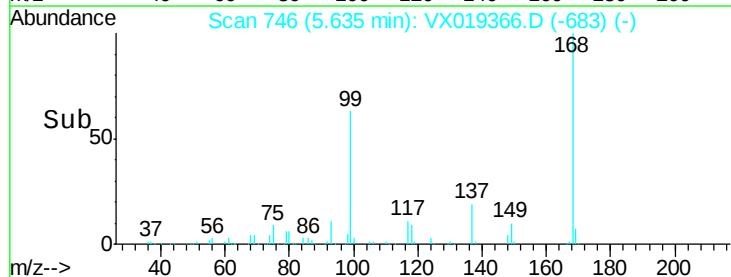
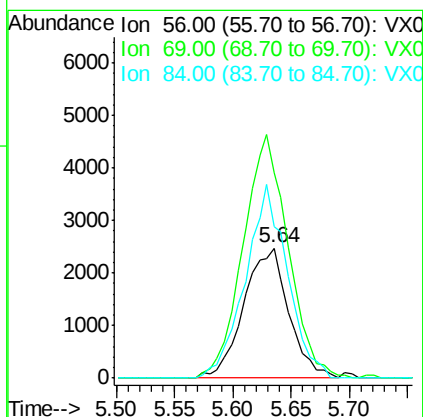
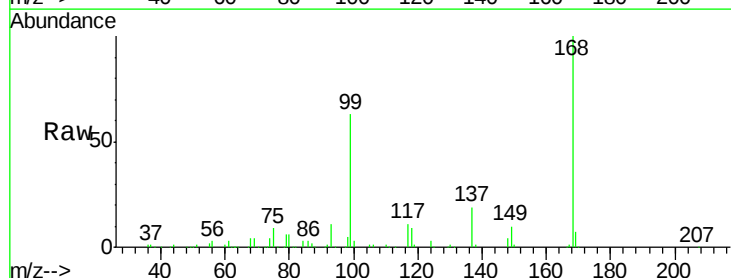
Instrument :
MSVOA_X
ClientSampleId :

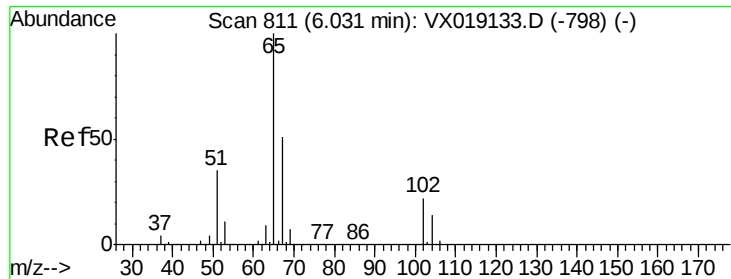
Tot Ion: 84 Resp: 1598
Ion Ratio Lower Upper
84 100
49 115.9 86.8 130.2
51 29.6 27.3 40.9
86 59.7 50.6 76.0



#31
Cyclohexane
Concen: 1.349 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX019366.D
Acq: 09 Nov 2020 14:36

Tgt Ion: 56 Resp: 6676
Ion Ratio Lower Upper
56 100
69 157.5 25.9 38.9#
84 116.8 73.4 110.2#





#33

1,2-Dichloroethane-d4

Concen: 54.914 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019366.D

Acq: 09 Nov 2020 14:36

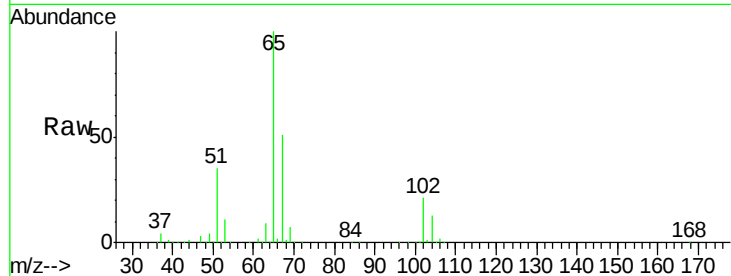
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 214936

Ion Ratio Lower Upper

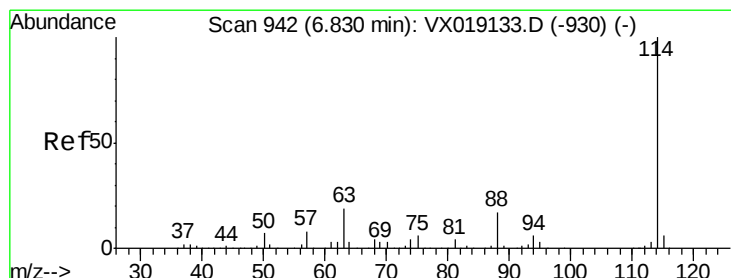
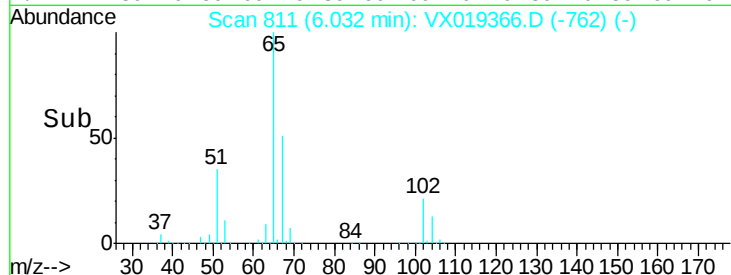
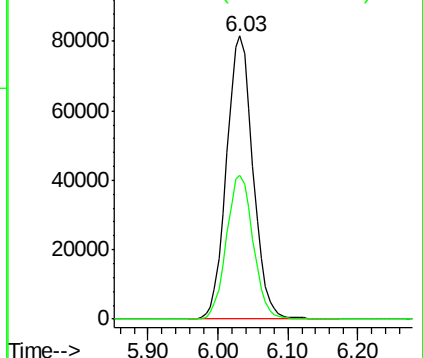
65 100

67 51.3 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: VX019366.D

Acq: 09 Nov 2020 14:36

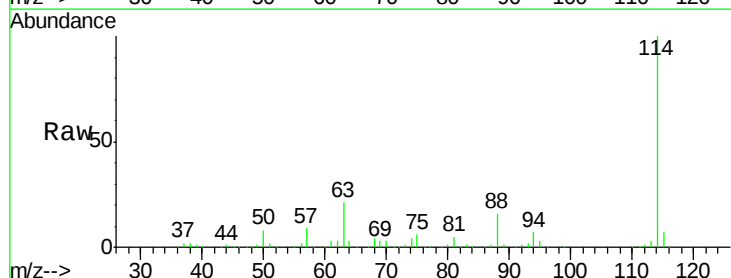
Tgt Ion: 114 Resp: 537240

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.8

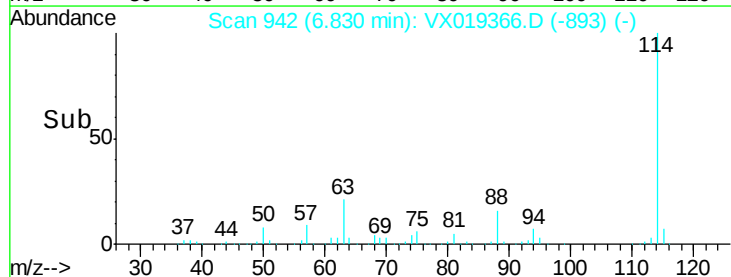
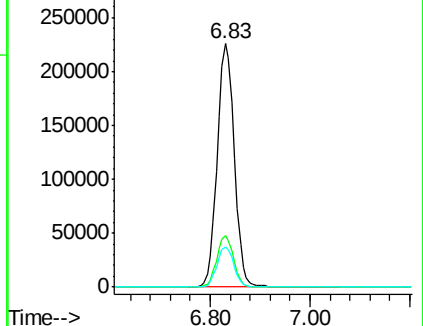
88 16.4 0.0 34.2

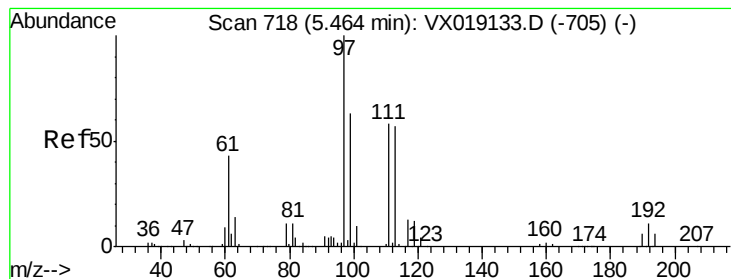


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.783 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019366.D

Acq: 09 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

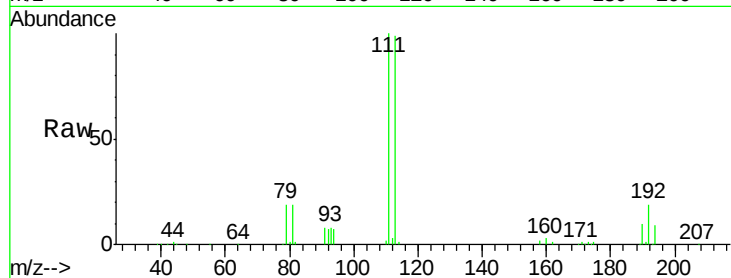
Tot Ion:113 Resp: 167996

Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

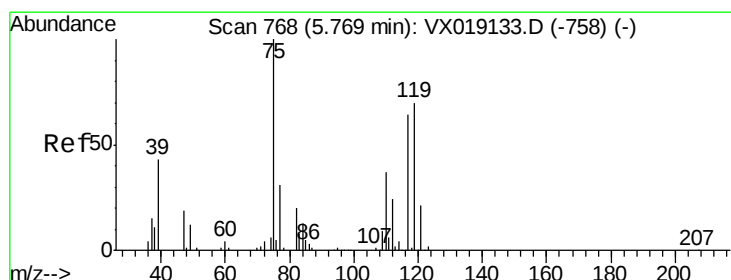
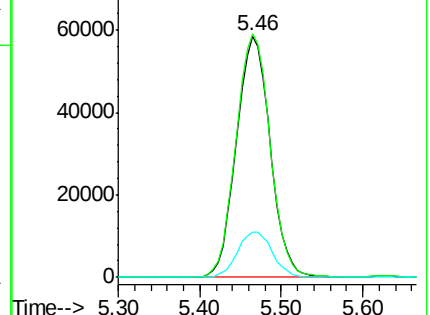
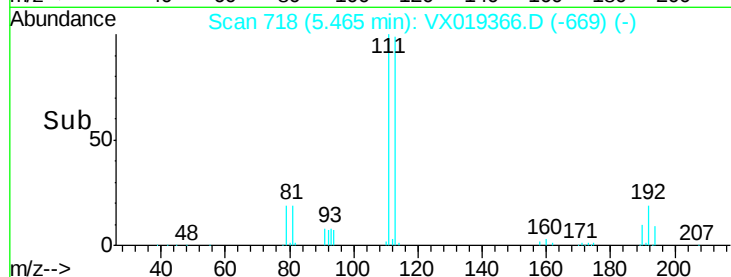
192 19.4 16.2 24.2



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: 5.116 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX019366.D

Acq: 09 Nov 2020 14:36

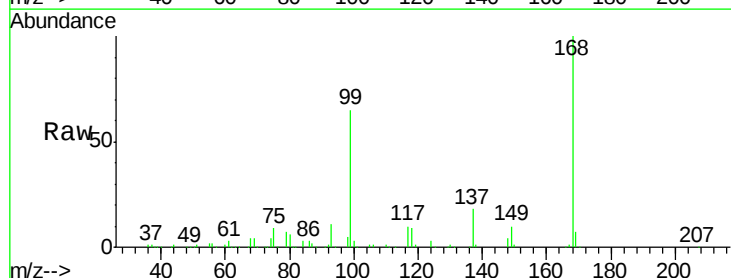
Tgt Ion: 75 Resp: 25382

Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.9#

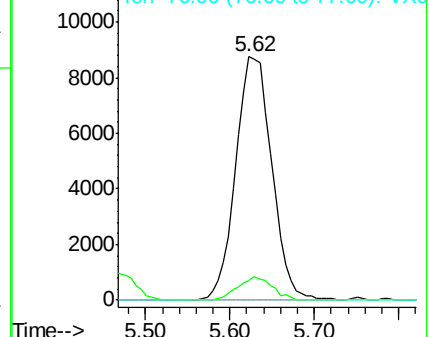
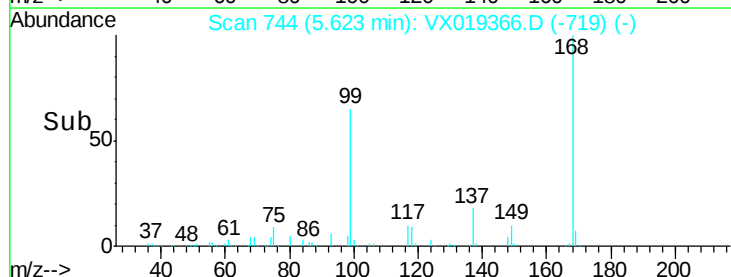
77 0.0 24.9 37.3#

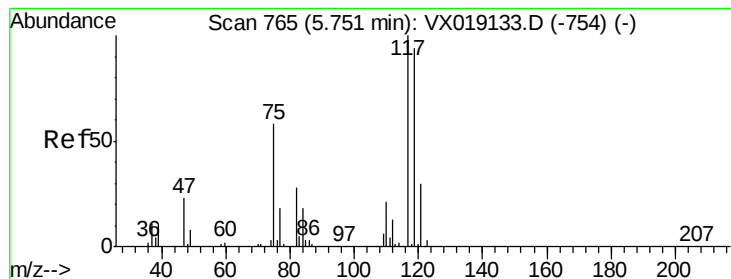


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.261 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019366.D

Acq: 09 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

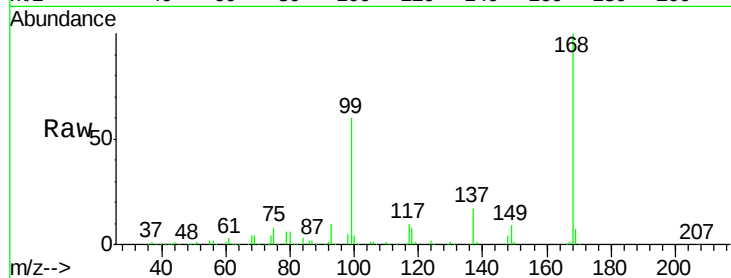
Tot Ion:117 Resp: 31662

Ion Ratio Lower Upper

117 100

119 6.0 75.0 112.6#

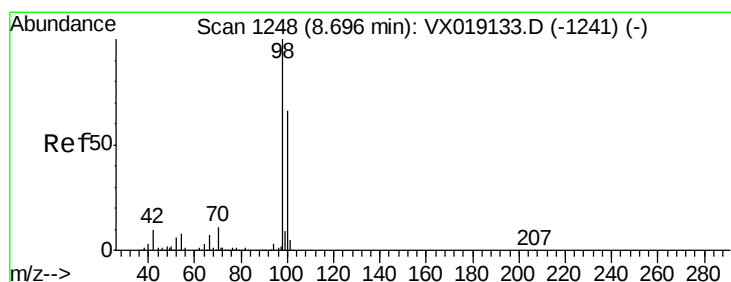
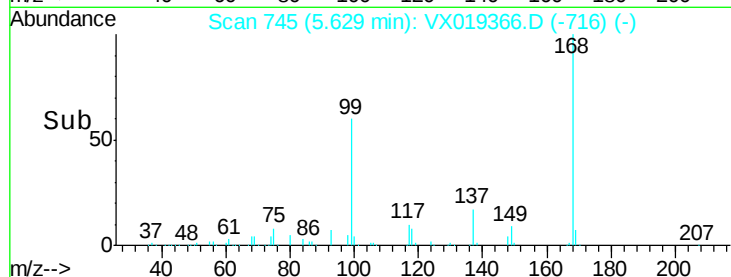
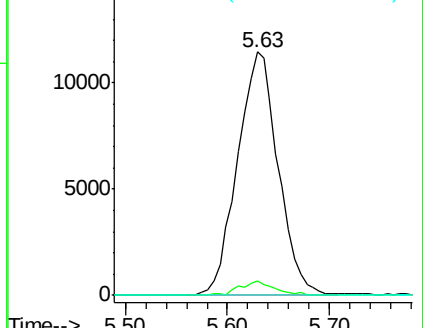
121 0.0 23.9 35.9#



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: 52.552 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019366.D

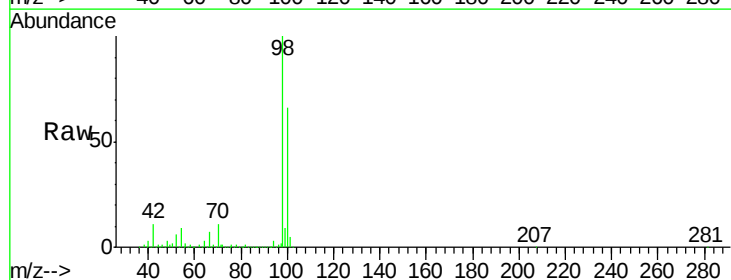
Acq: 09 Nov 2020 14:36

Tgt Ion: 98 Resp: 668520

Ion Ratio Lower Upper

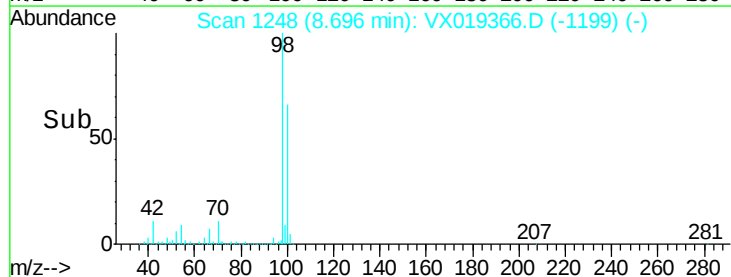
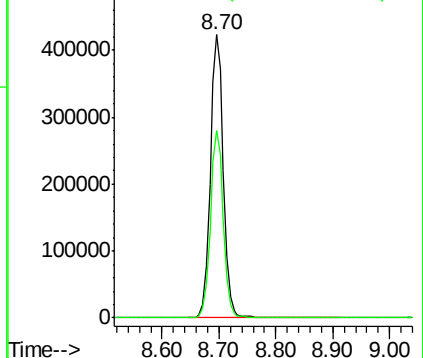
98 100

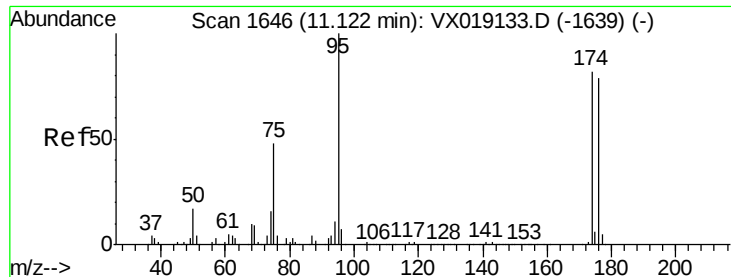
100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 54.003 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019366.D

Acq: 09 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

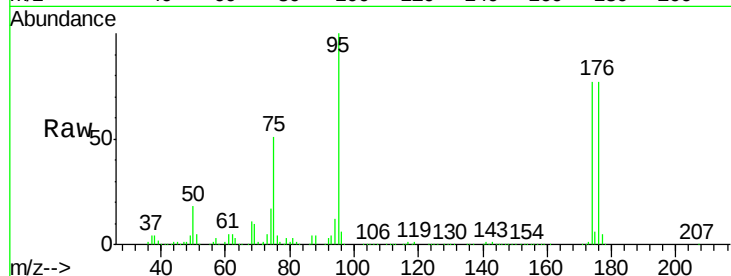
Tot Ion: 95 Resp: 260162

Ion Ratio Lower Upper

95 100

174 75.2 0.0 156.0

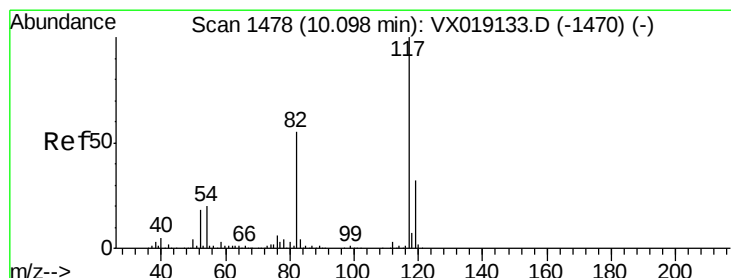
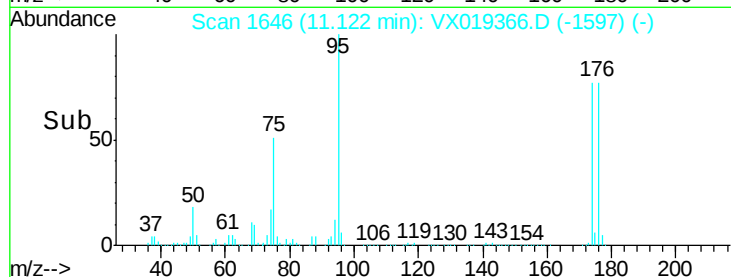
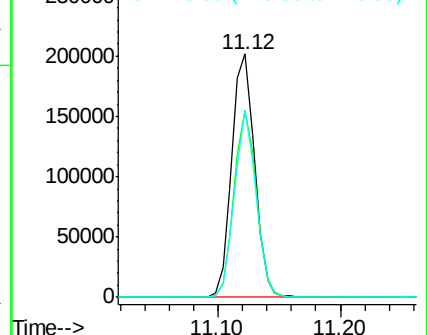
176 72.3 0.0 149.8



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: VX019366.D

Acq: 09 Nov 2020 14:36

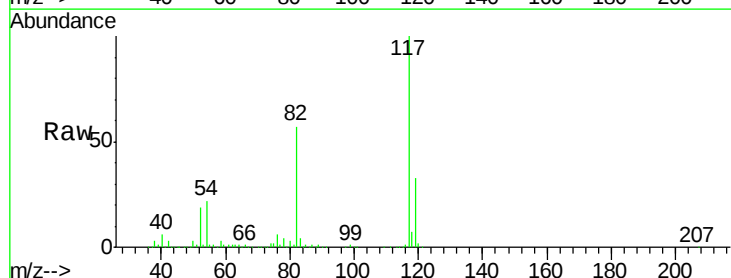
Tgt Ion: 117 Resp: 513789

Ion Ratio Lower Upper

117 100

82 57.0 43.6 65.4

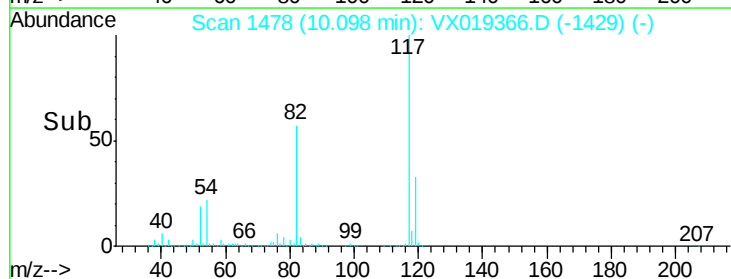
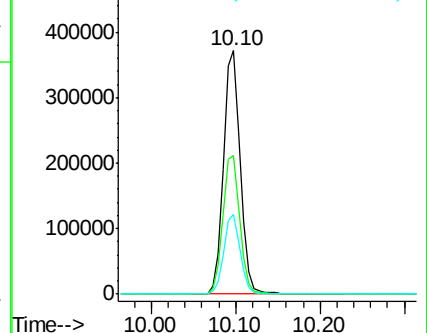
119 32.7 25.5 38.3

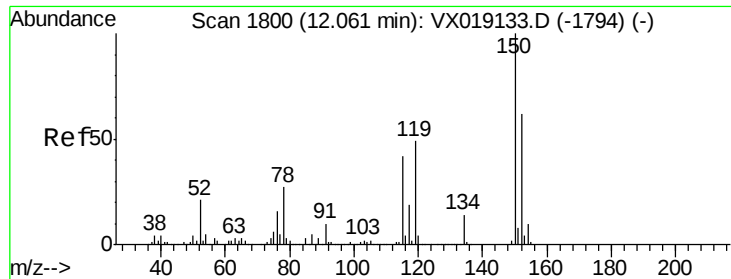


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX019366.D

Acq: 09 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

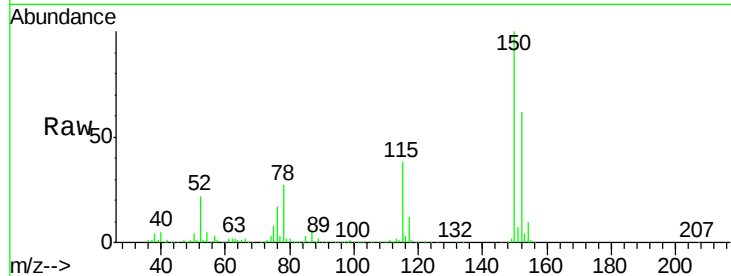
Tot Ion:152 Resp: 261626

Ion Ratio Lower Upper

152 100

115 60.9 41.9 125.7

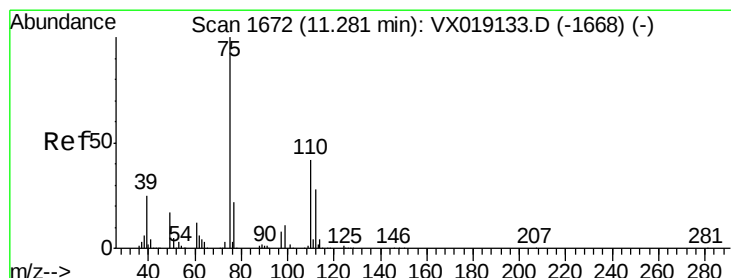
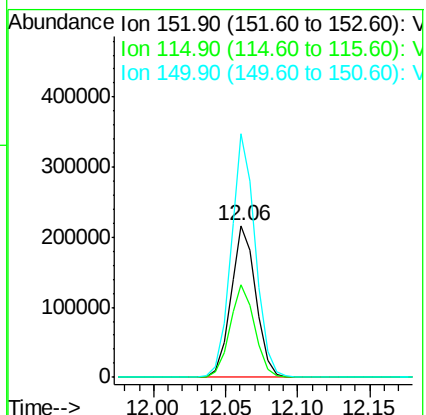
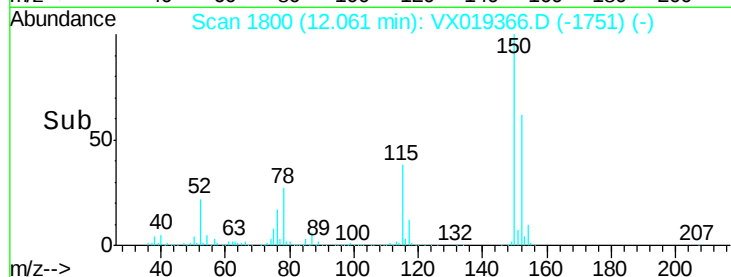
150 157.1 0.0 347.8



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: 24.821 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019366.D

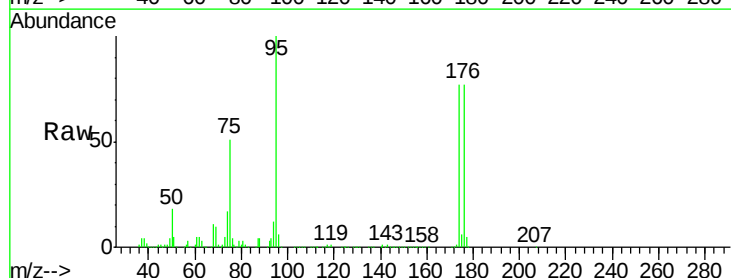
Acq: 09 Nov 2020 14:36

Tgt Ion: 75 Resp: 134086

Ion Ratio Lower Upper

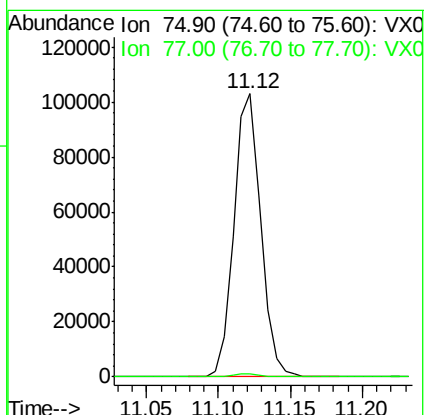
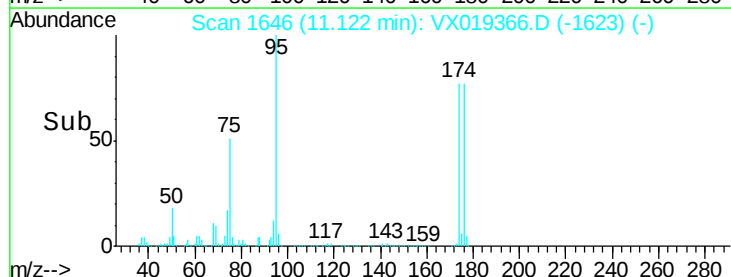
75 100

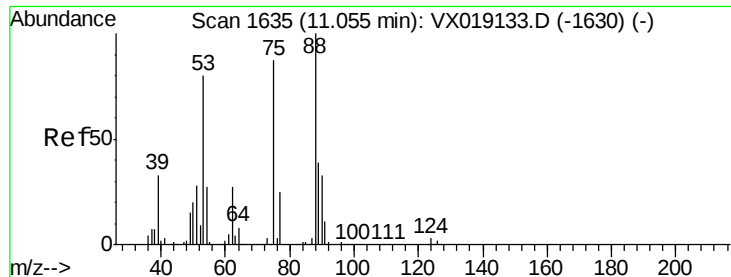
77 1.1 20.3 60.9#



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: 65.355 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019366.D

Acq: 09 Nov 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 134086

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

