

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060920\
 Data File : VX016653.D
 Acq On : 09 Jun 2020 10:30
 Operator : JC/SP
 Sample : VX0609WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0609WBL01

Quant Time: Jun 10 04:09:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	232415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	352792	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	342392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	163038	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	131736	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	
35) Dibromofluoromethane	5.46	113	110203	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	8.70	98	432119	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.12	95	162141	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.49	142	536	3.255	ug/l #	89
11) Tert butyl alcohol	3.00	59	154	0.208	ug/l #	72
13) Acrolein	2.27	56	478	1.518	ug/l #	14
15) Acrylonitrile	3.12	53	373	0.246	ug/l #	40
16) Acetone	2.41	43	461	0.365	ug/l #	74
17) Carbon Disulfide	2.55	76	1607	0.242	ug/l #	94
18) Methyl Acetate	2.75	43	676	0.208	ug/l #	57
20) Methylene Chloride	2.84	84	691	0.264	ug/l #	88
25) 2-Butanone	4.64	43	603	0.281	ug/l #	49
31) Cyclohexane	5.62	56	3932	0.980	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	15897	4.759	ug/l #	51
38) Carbon Tetrachloride	5.62	117	22210	6.327	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	77989	21.762	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	77989	53.532	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.62	180	883	0.267	ug/l	84
94) Hexachlorobutadiene	13.76	225	534	0.412	ug/l	90

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060920\  
Data File : VX016653.D  
Acq On    : 09 Jun 2020 10:30  
Operator  : JC/SP  
Sample    : VX0609WBL01  
Misc      : 5.0mL/MSVOA X/WATER  
ALS Vial  : 3 Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016653.D

Acq: 09 Jun 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

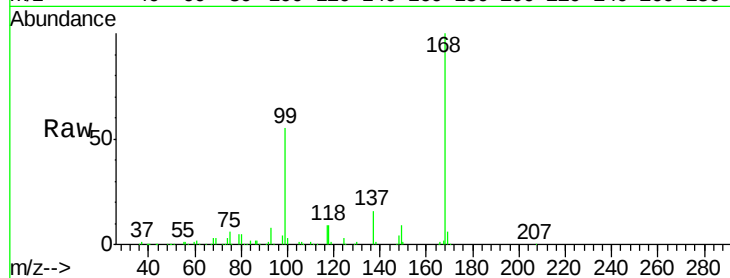
VX0609WBL01

Tot Ion:168 Resp: 232415

Ion Ratio Lower Upper

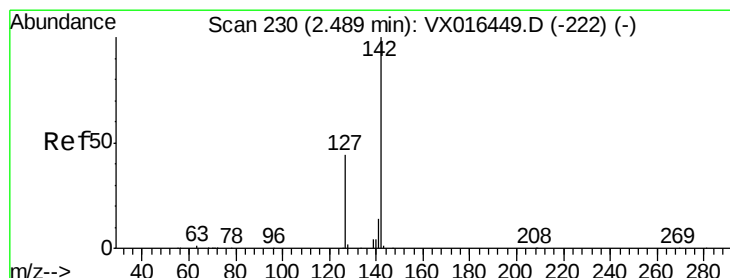
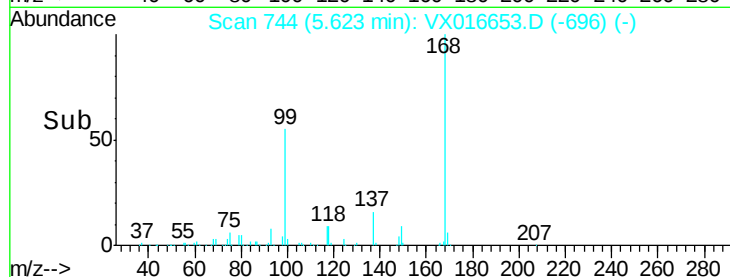
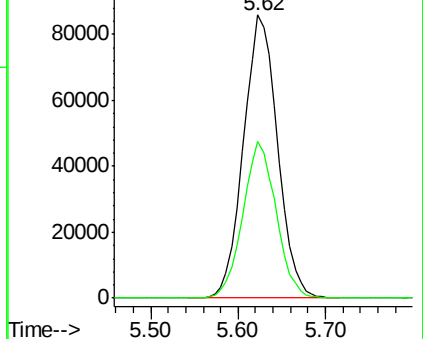
168 100

99 55.4 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 3.255 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016653.D

Acq: 09 Jun 2020 10:30

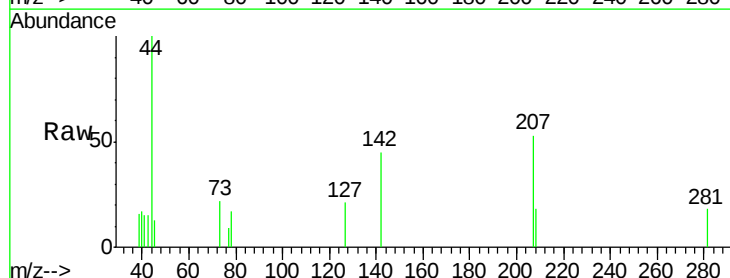
Tgt Ion:142 Resp: 536

Ion Ratio Lower Upper

142 100

127 51.1 35.3 52.9

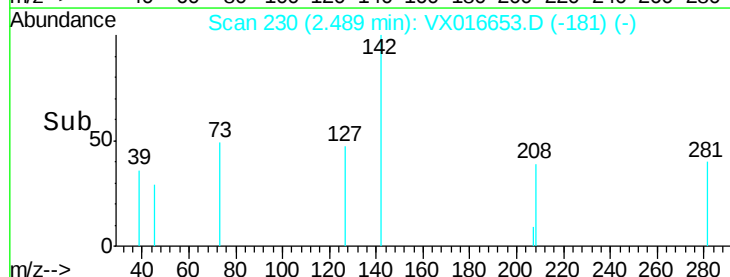
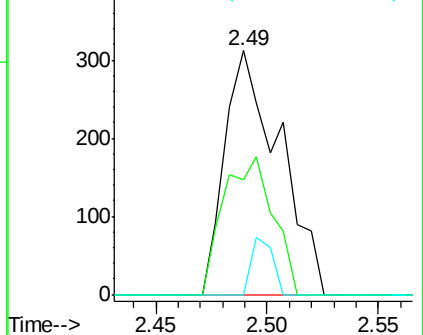
141 9.1 11.4 17.2#

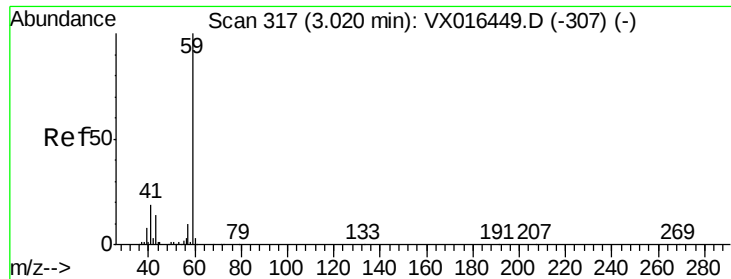


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



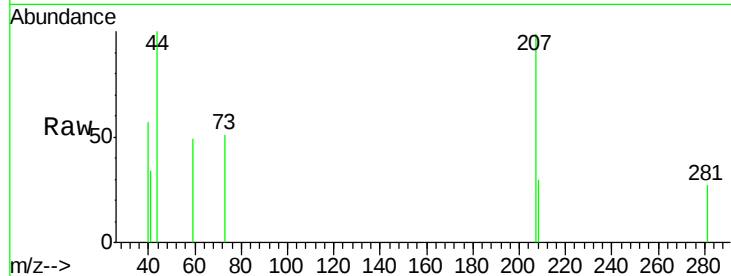


#11

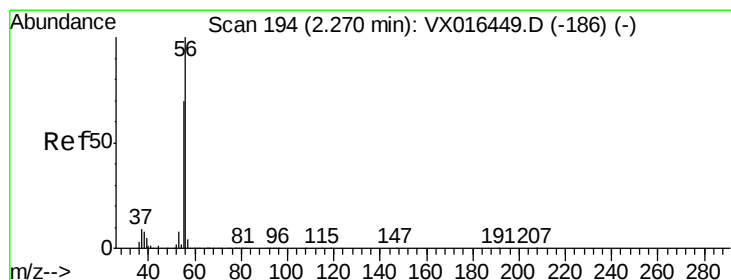
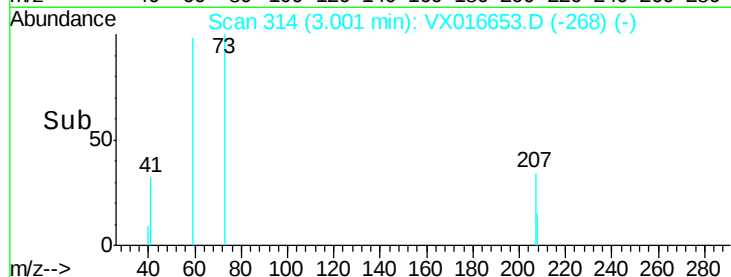
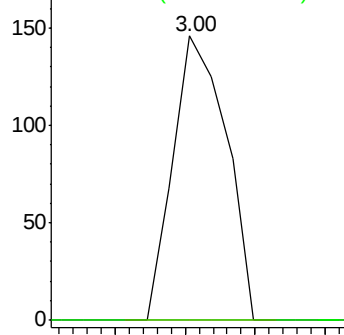
Tert butyl alcohol
 Concen: 0.208 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX016653.D
 Acq: 09 Jun 2020 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0609WBL01

Tot Ion: 59 Resp: 154
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#



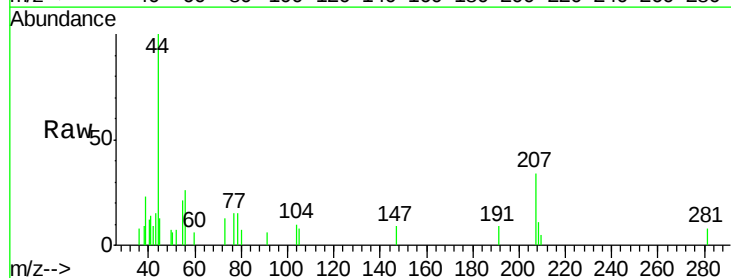
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



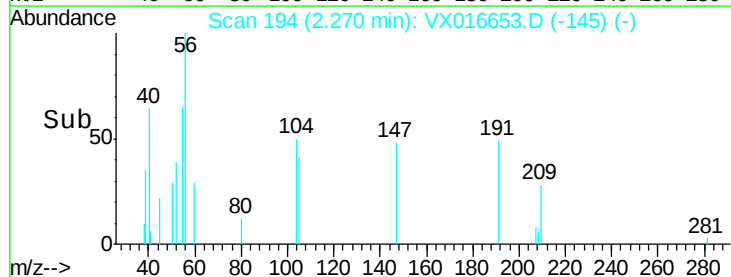
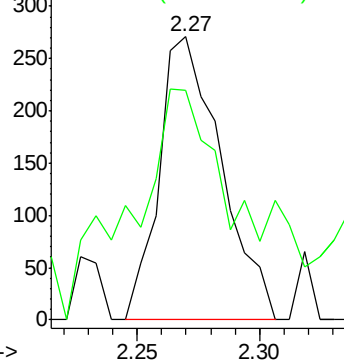
#13

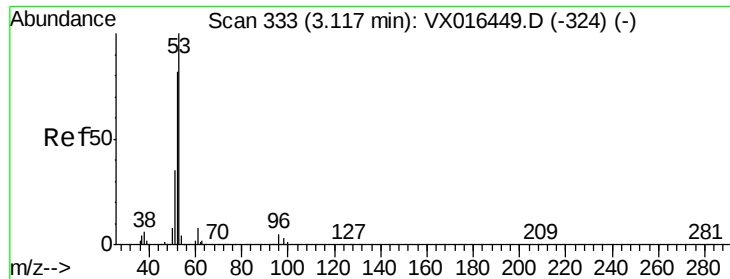
Acrolein
 Concen: 1.518 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VX016653.D
 Acq: 09 Jun 2020 10:30

Tgt Ion: 56 Resp: 478
 Ion Ratio Lower Upper
 56 100
 55 144.8 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.246 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016653.D

Acq: 09 Jun 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBL01

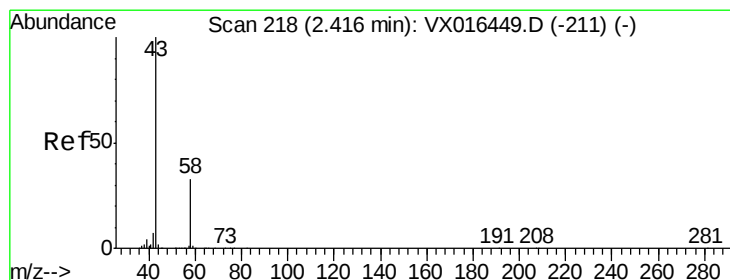
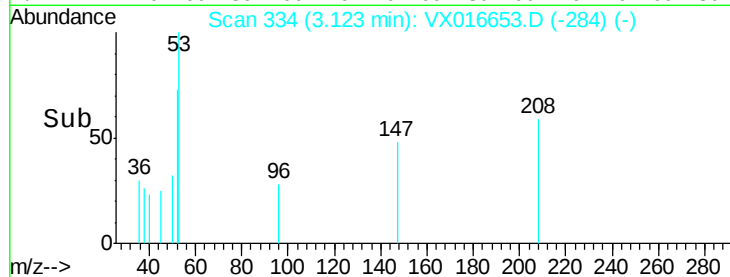
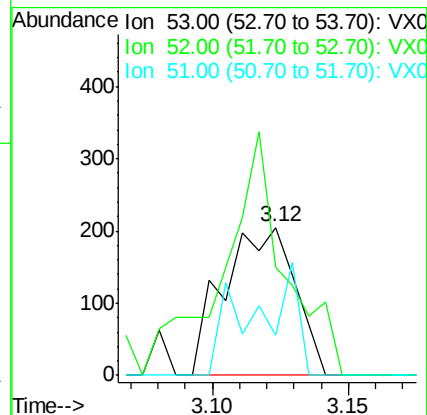
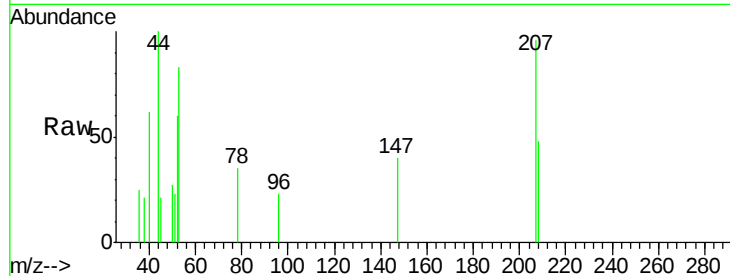
Tot Ion: 53 Resp: 373

Ion Ratio Lower Upper

53 100

52 149.6 66.7 100.1#

51 18.2 28.6 43.0#



#16

Acetone

Concen: 0.365 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016653.D

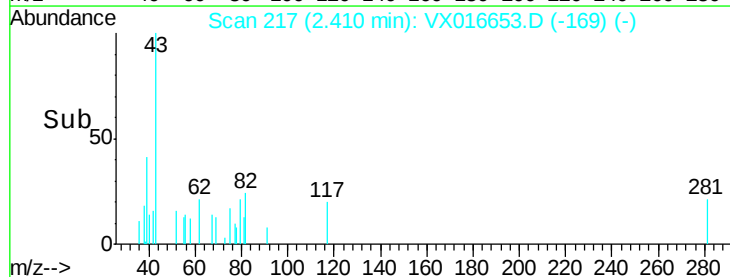
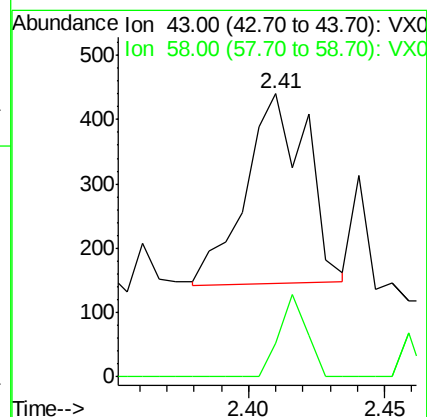
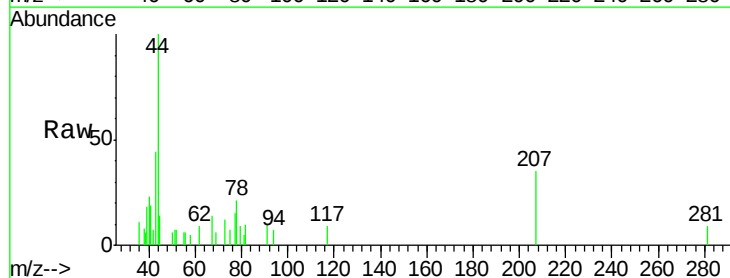
Acq: 09 Jun 2020 10:30

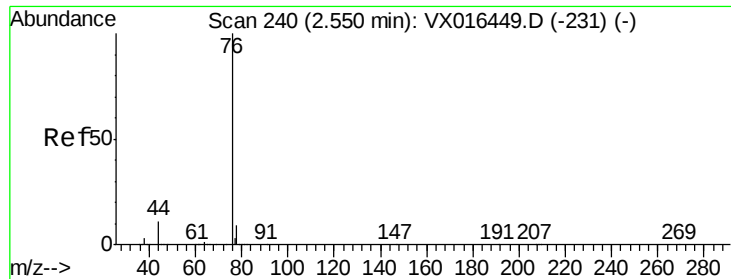
Tgt Ion: 43 Resp: 461

Ion Ratio Lower Upper

43 100

58 17.8 26.1 39.1#





#17

Carbon Disulfide

Concen: 0.242 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016653.D

Acq: 09 Jun 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

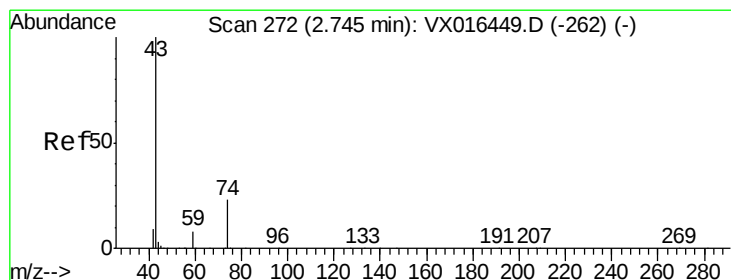
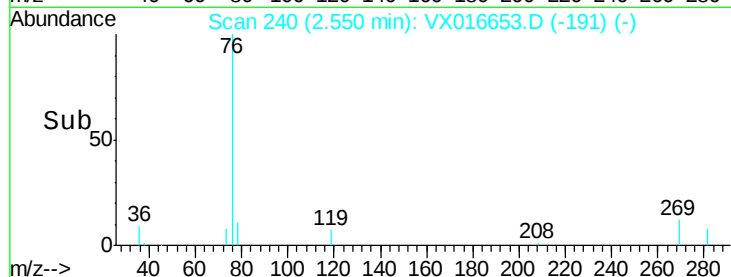
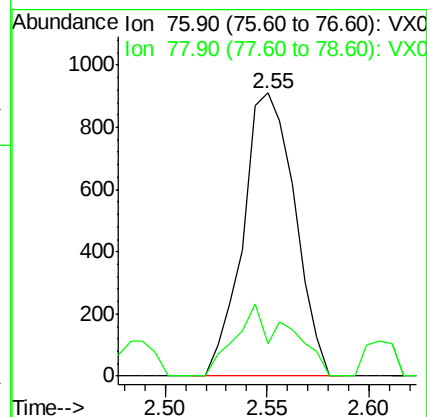
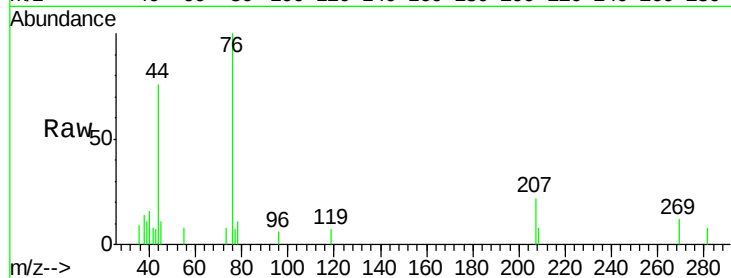
VX0609WBL01

Tot Ion: 76 Resp: 1607

Ion Ratio Lower Upper

76 100

78 11.4 7.4 11.0#



#18

Methyl Acetate

Concen: 0.208 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX016653.D

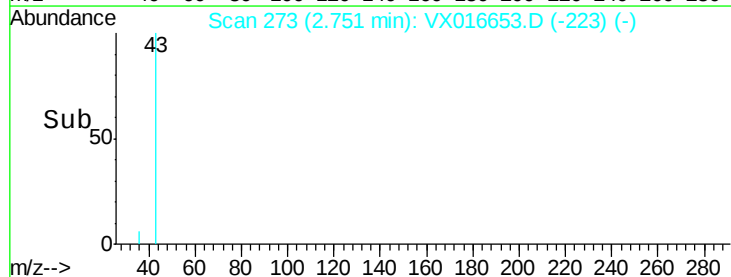
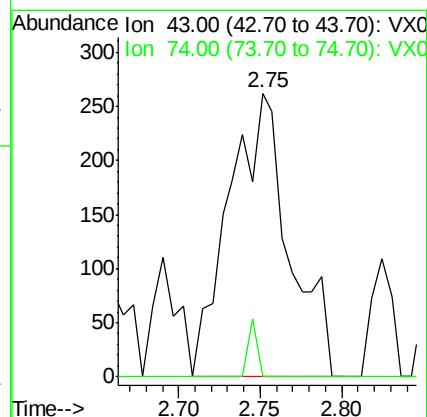
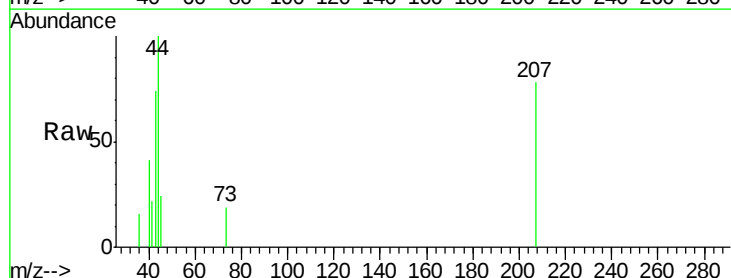
Acq: 09 Jun 2020 10:30

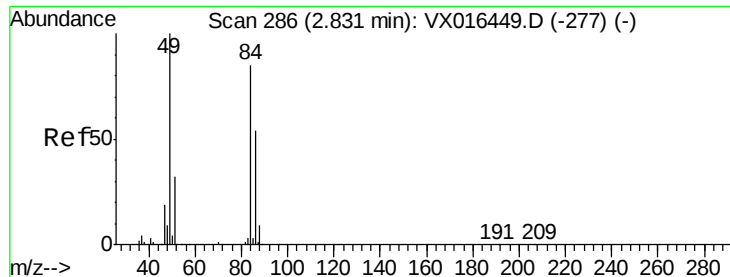
Tgt Ion: 43 Resp: 676

Ion Ratio Lower Upper

43 100

74 3.0 19.7 29.5#

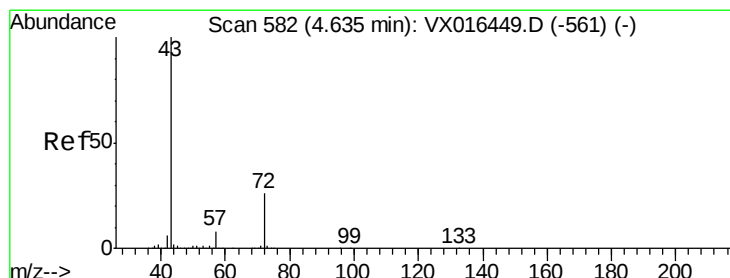
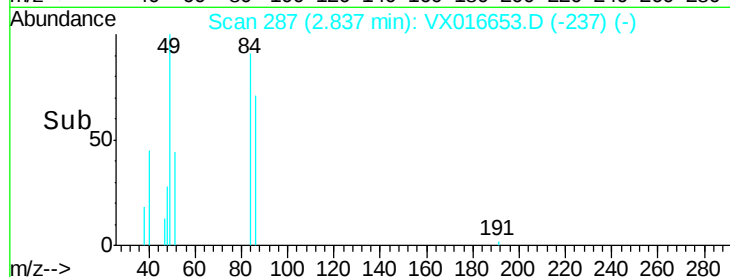
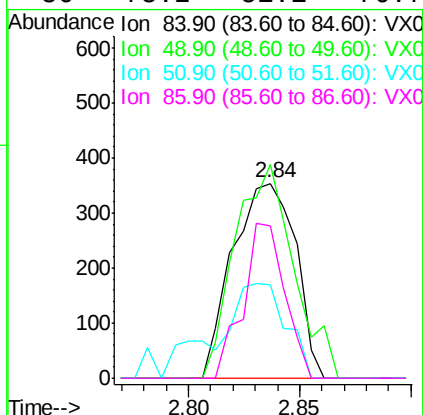
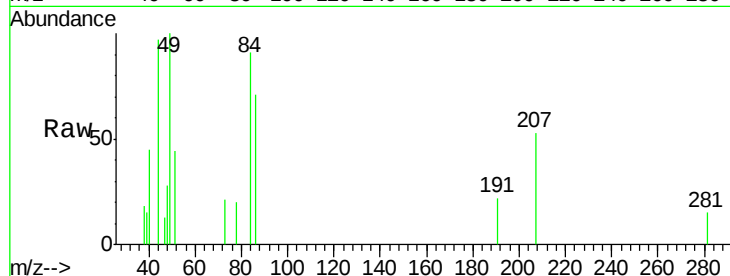




#20
Methvlene Chloride
Concen: 0.264 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016653.D
Acq: 09 Jun 2020 10:30

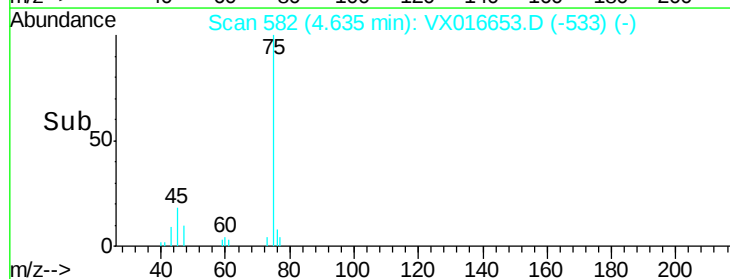
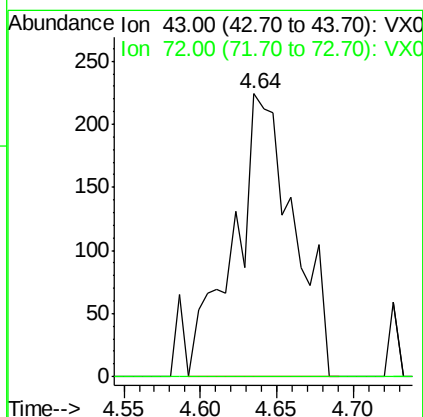
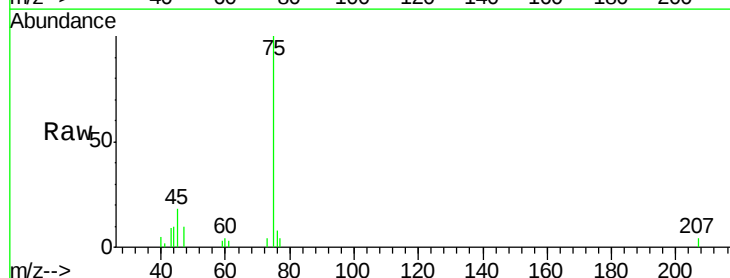
Instrument :
MSVOA_X
ClientSampleId :
VX0609WBL01

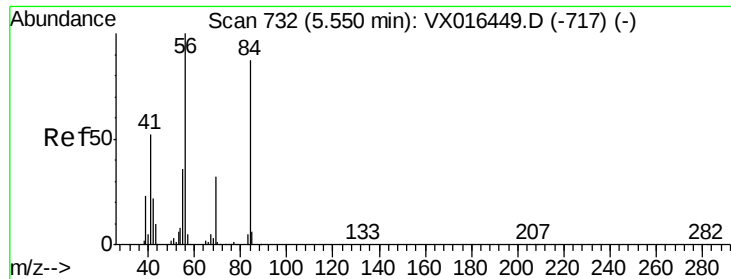
Tot Ion: 84 Resp: 691
Ion Ratio Lower Upper
84 100
49 109.6 94.5 141.7
51 47.7 30.2 45.4#
86 78.2 51.1 76.7#



#25
2-Butanone
Concen: 0.281 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX016653.D
Acq: 09 Jun 2020 10:30

Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#

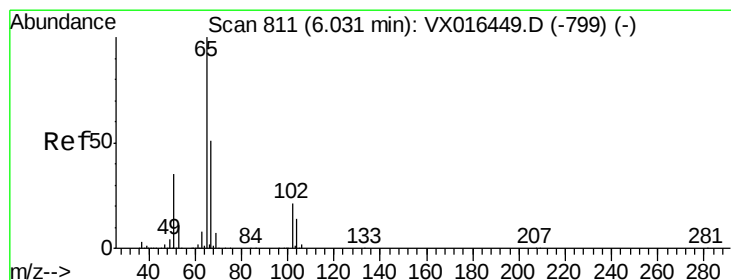
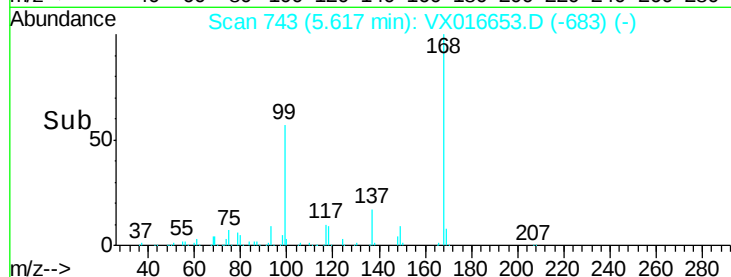
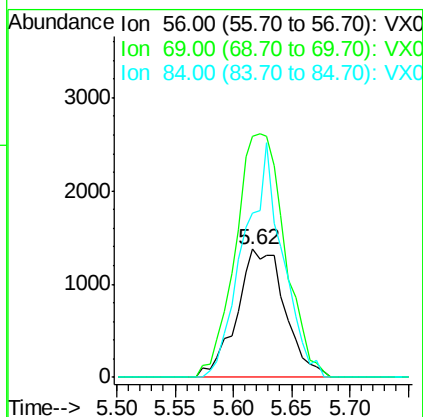
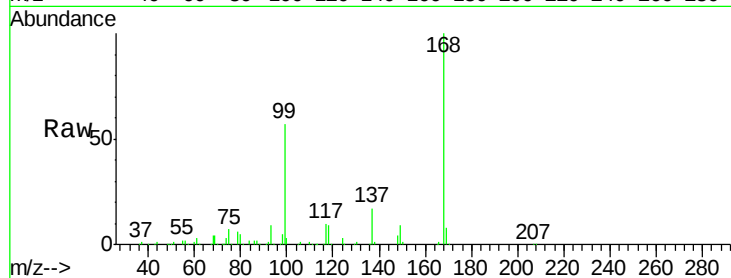




#31
Cyclohexane
Concen: 0.980 ug/l
RT: 5.62 min Scan# 743
Delta R.T. 0.07 min
Lab File: VX016653.D
Acq: 09 Jun 2020 10:30

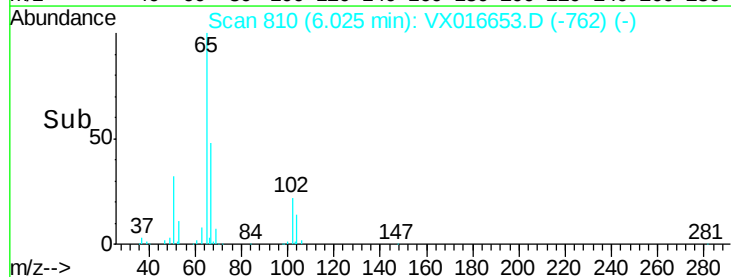
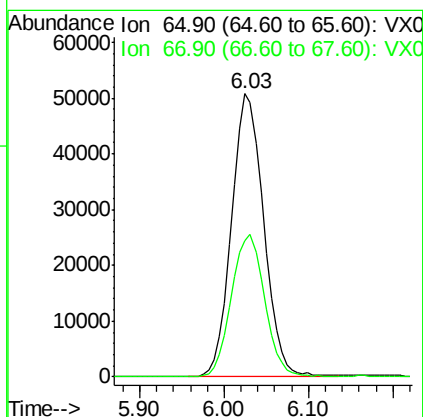
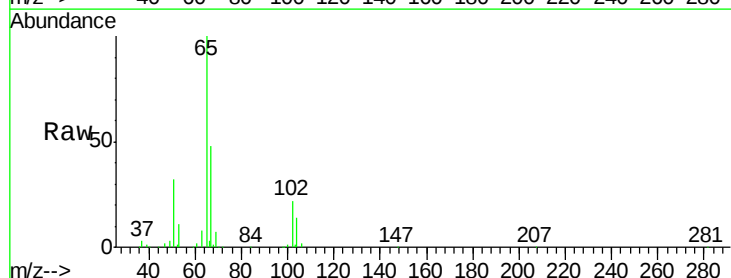
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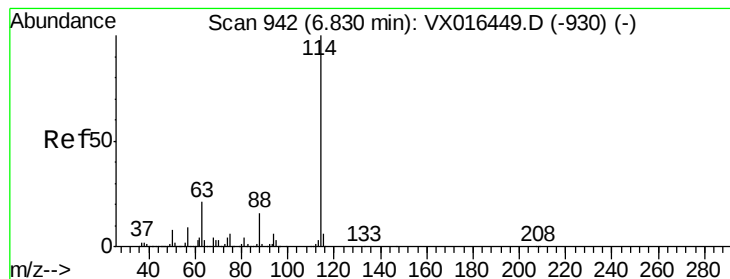
Tot Ion: 56 Resp: 3932
Ion Ratio Lower Upper
56 100
69 188.4 25.7 38.5#
84 128.7 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 45.642 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.01 min
Lab File: VX016653.D
Acq: 09 Jun 2020 10:30

Tgt Ion: 65 Resp: 131736
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016653.D

Acq: 09 Jun 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBL01

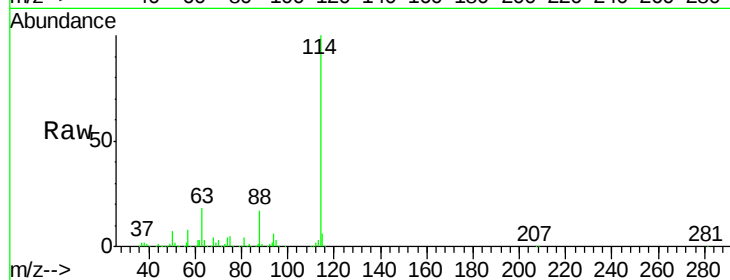
Tot Ion:114 Resp: 352792

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.6

88 16.9 0.0 32.8

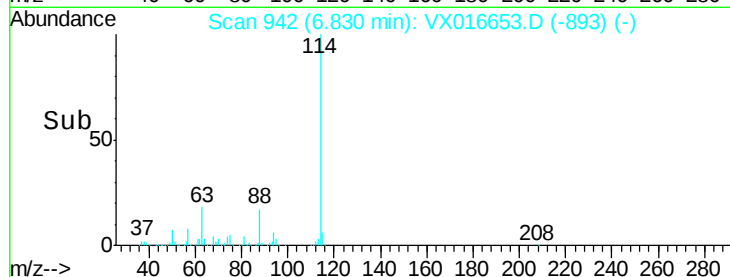


Abundance Ion 113.90 (113.60 to 114.60): V

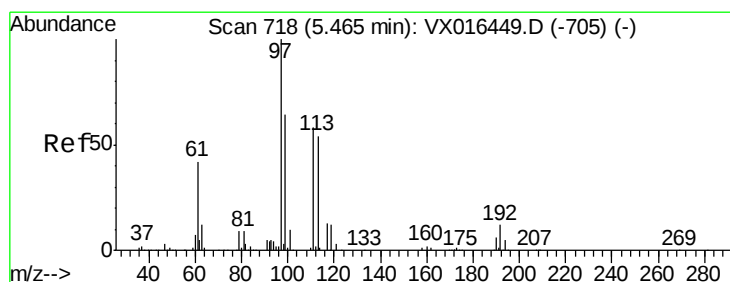
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83



Time-->



#35

Dibromofluoromethane

Concen: 50.731 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016653.D

Acq: 09 Jun 2020 10:30

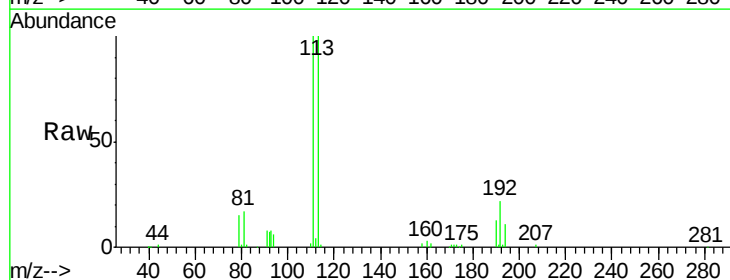
Tgt Ion:113 Resp: 110203

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.6

192 23.2 17.7 26.5

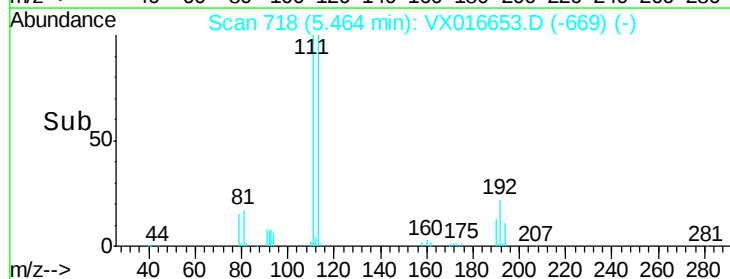


Abundance Ion 112.80 (112.50 to 113.50): V

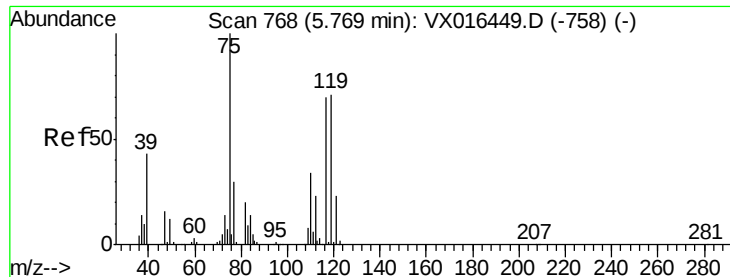
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

5.46



Time-->



#36

1,1-Dichloropropene

Concen: 4.759 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016653.D

Acq: 09 Jun 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0609WBL01

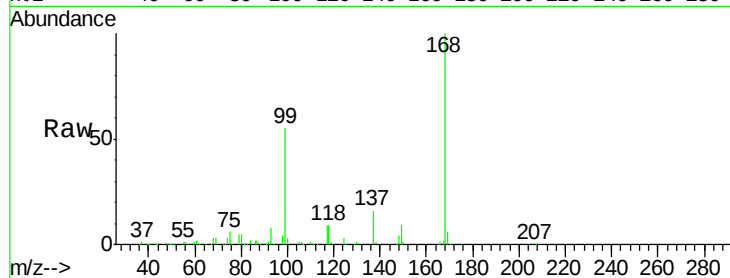
Tot Ion: 75 Resp: 15897

Ion Ratio Lower Upper

75 100

110 9.4 17.4 52.3#

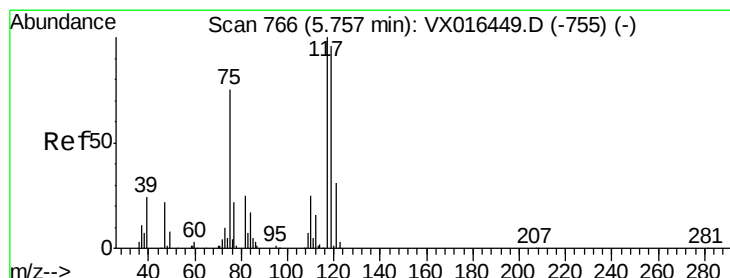
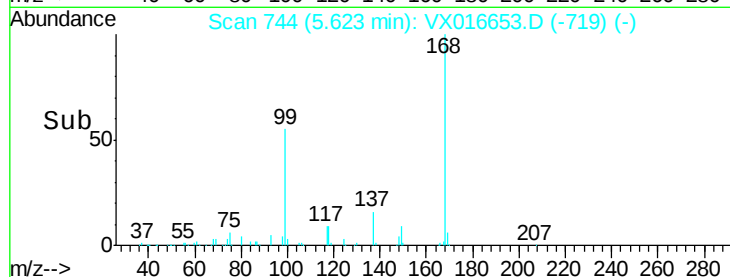
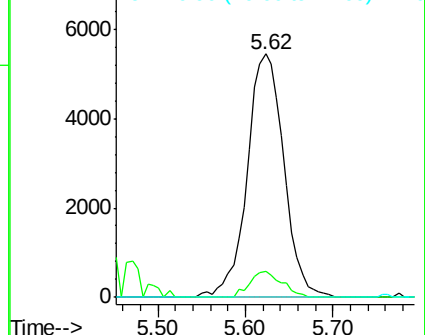
77 0.0 24.2 36.4#



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: 6.327 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016653.D

Acq: 09 Jun 2020 10:30

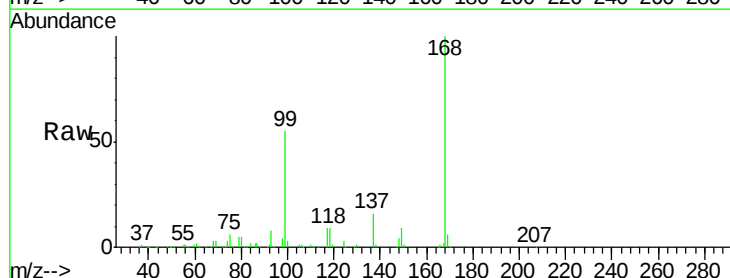
Tgt Ion: 117 Resp: 22210

Ion Ratio Lower Upper

117 100

119 6.1 76.3 114.5#

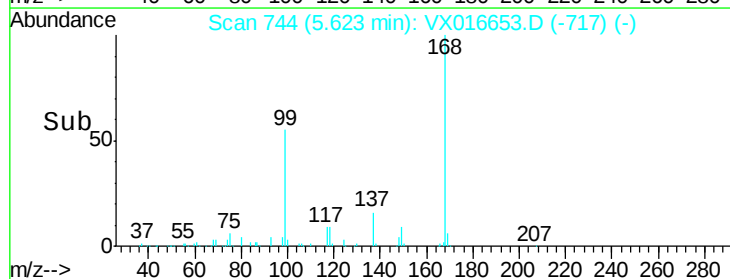
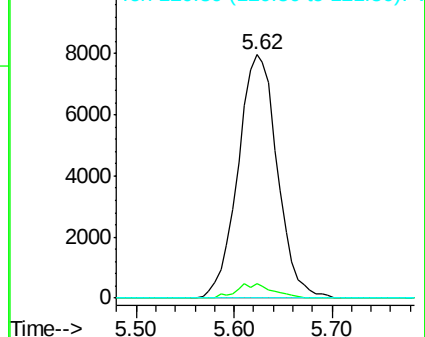
121 0.0 24.6 37.0#

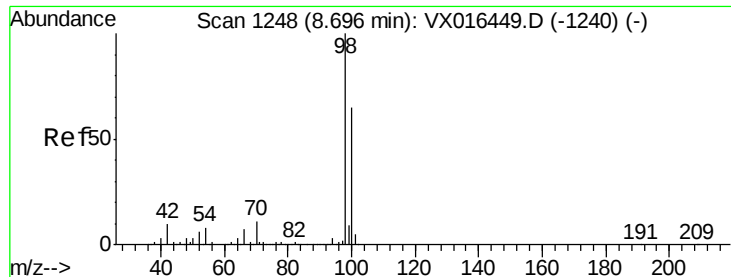


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.108 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016653.D

Acq: 09 Jun 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

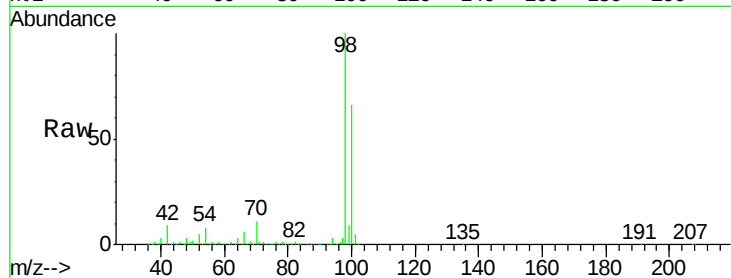
VX0609WBL01

Tot Ion: 98 Resp: 432119

Ion Ratio Lower Upper

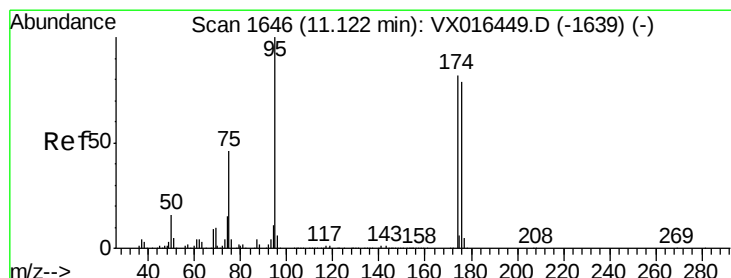
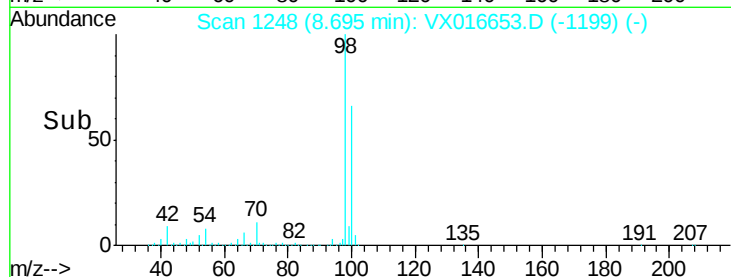
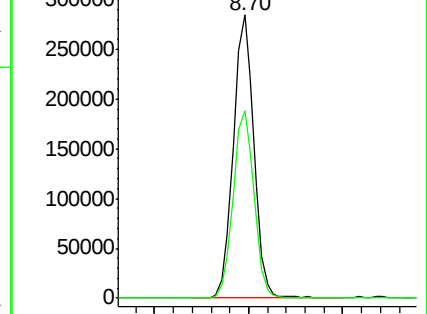
98 100

100 67.0 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 49.630 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016653.D

Acq: 09 Jun 2020 10:30

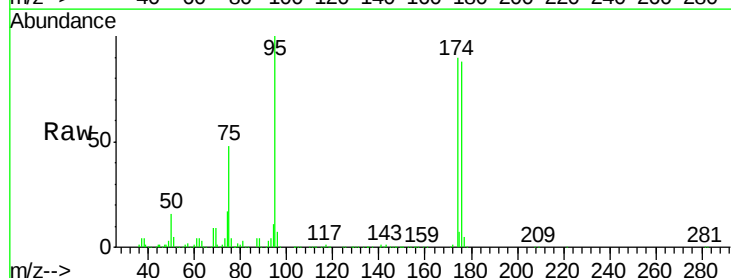
Tgt Ion: 95 Resp: 162141

Ion Ratio Lower Upper

95 100

174 87.2 0.0 163.0

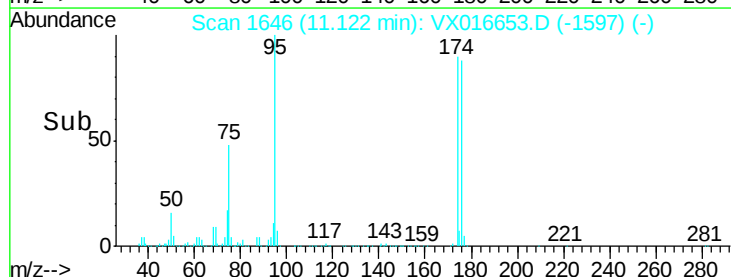
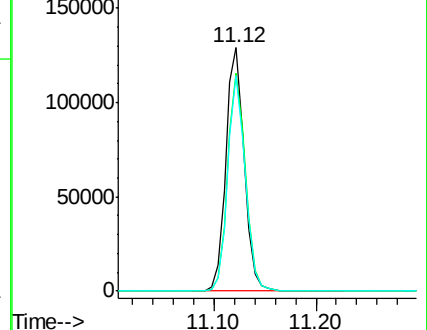
176 84.7 0.0 156.8

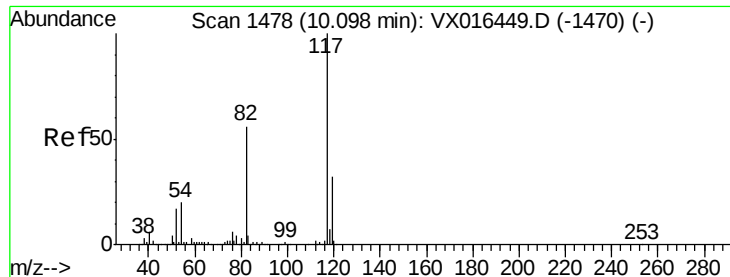


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

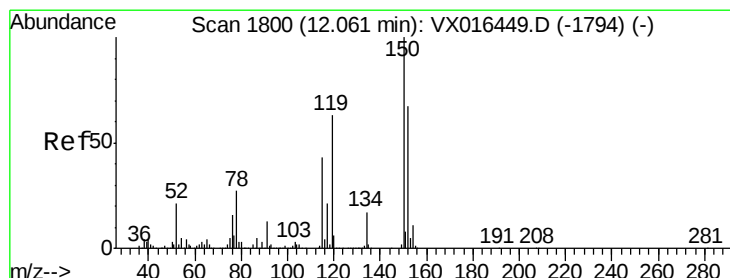
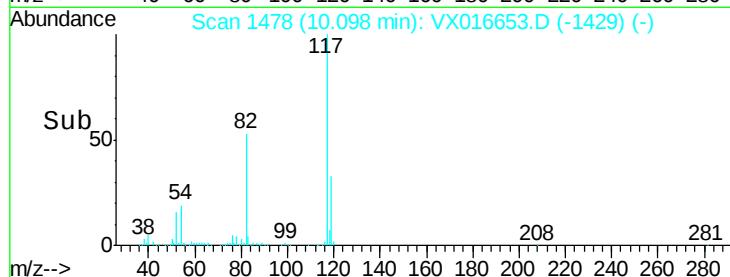
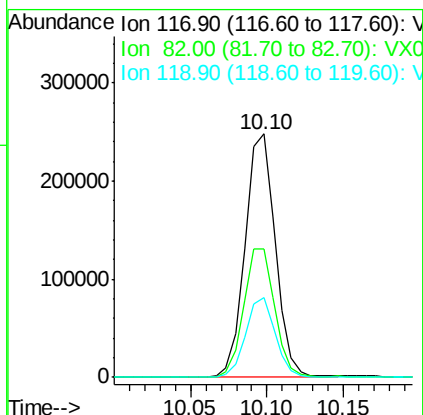
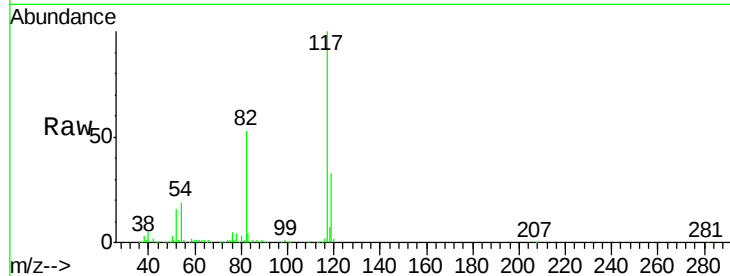




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016653.D
Acq: 09 Jun 2020 10:30

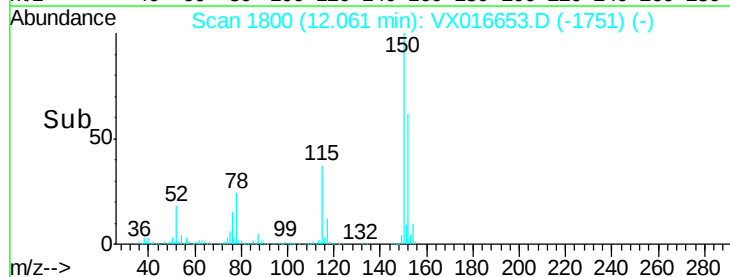
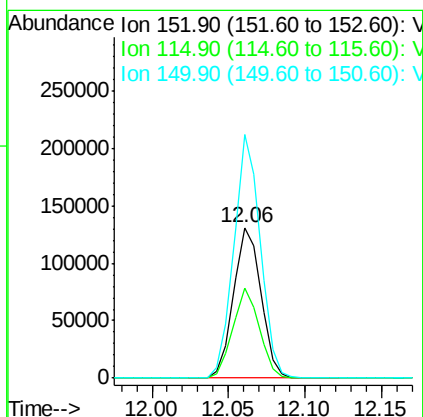
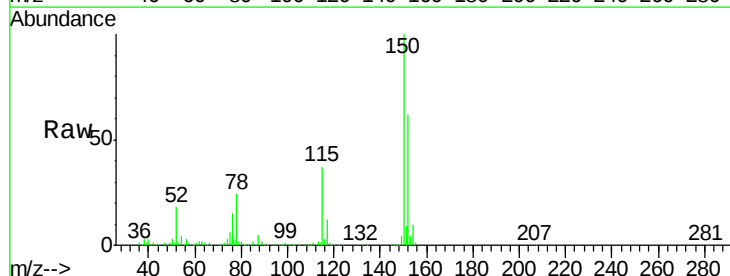
Instrument :
MSVOA_X
ClientSampleId :
VX0609WBL01

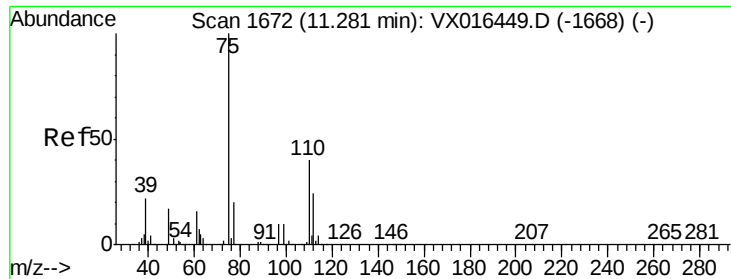
Tot Ion:117 Resp: 342392
Ion Ratio Lower Upper
117 100
82 52.9 45.0 67.6
119 32.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016653.D
Acq: 09 Jun 2020 10:30

Tgt Ion:152 Resp: 163038
Ion Ratio Lower Upper
152 100
115 57.9 39.9 119.6
150 156.3 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 21.762 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016653.D

Acq: 09 Jun 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

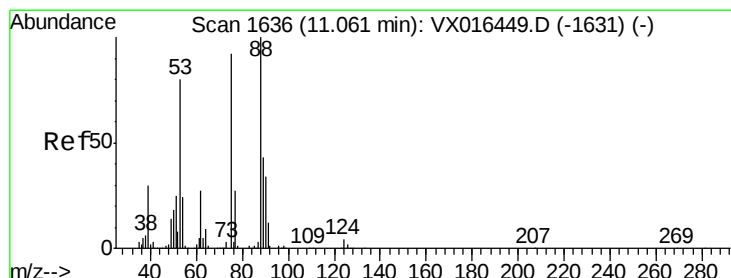
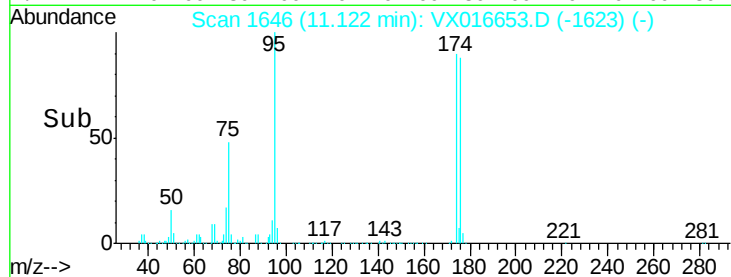
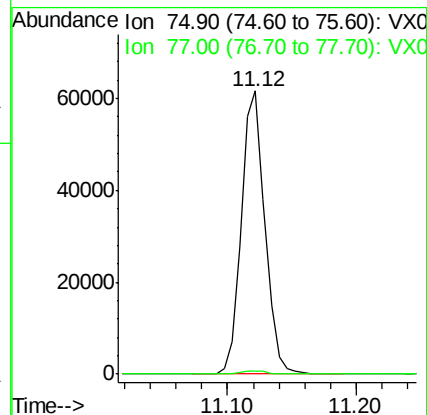
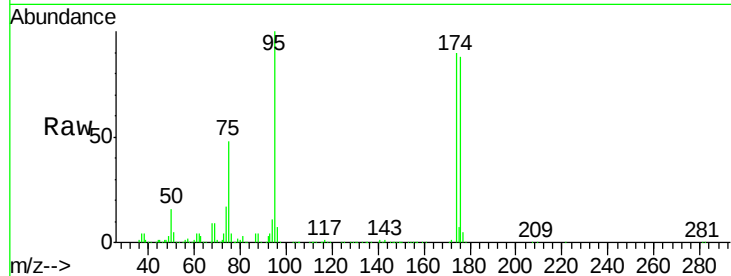
VX0609WBL01

Tot Ion: 75 Resp: 77989

Ion Ratio Lower Upper

75 100

77 1.3 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.532 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016653.D

Acq: 09 Jun 2020 10:30

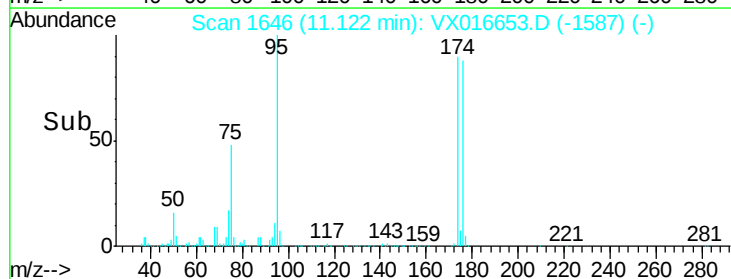
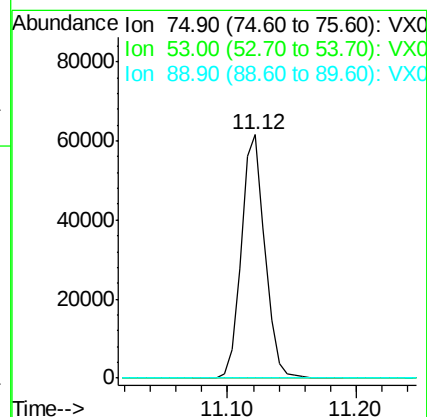
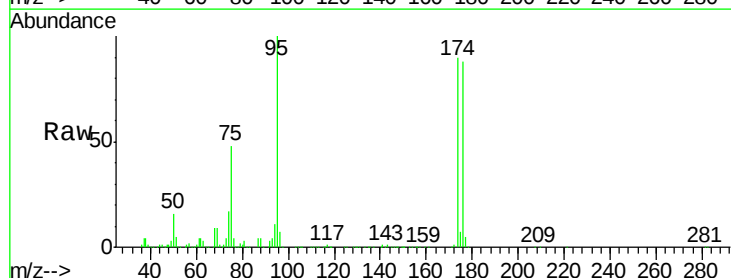
Tgt Ion: 75 Resp: 77989

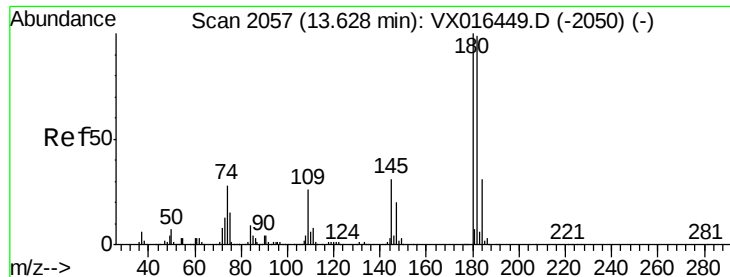
Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.2 36.6 55.0#

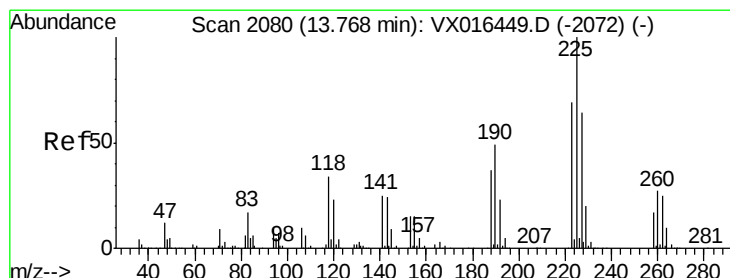
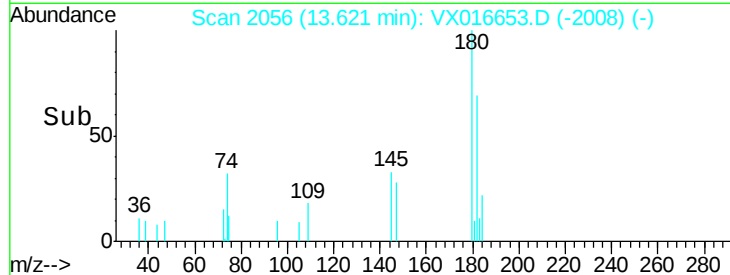
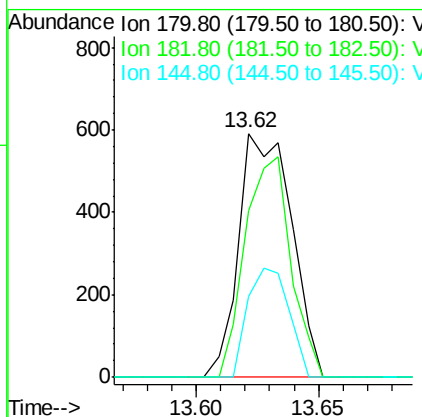
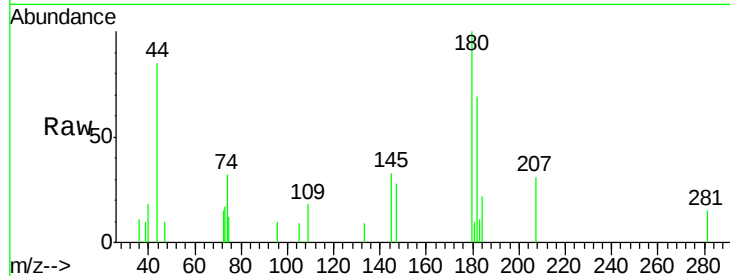




#93
 1,2,4-Trichlorobenzene
 Concen: 0.267 ug/l
 RT: 13.62 min Scan# 2056
 Delta R.T. -0.01 min
 Lab File: VX016653.D
 Acq: 09 Jun 2020 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0609WBL01

Tot Ion:180 Resp: 883
 Ion Ratio Lower Upper
 180 100
 182 78.4 48.3 144.8
 145 35.0 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 0.412 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016653.D
 Acq: 09 Jun 2020 10:30

Tgt Ion:225 Resp: 534
 Ion Ratio Lower Upper
 225 100
 223 69.9 32.3 96.8
 227 53.6 31.6 94.7

