

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060220\
 Data File : VX016554.D
 Acq On : 02 Jun 2020 15:57
 Operator : JC/SP
 Sample : L2854-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-1

Quant Time: Jun 03 04:08:16 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	5.63	168	325797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	533072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	525132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	279436	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	189162	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	5.46	113	154067	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
50) Toluene-d8	8.70	98	649529	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.12	95	269930	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	

Target Compounds

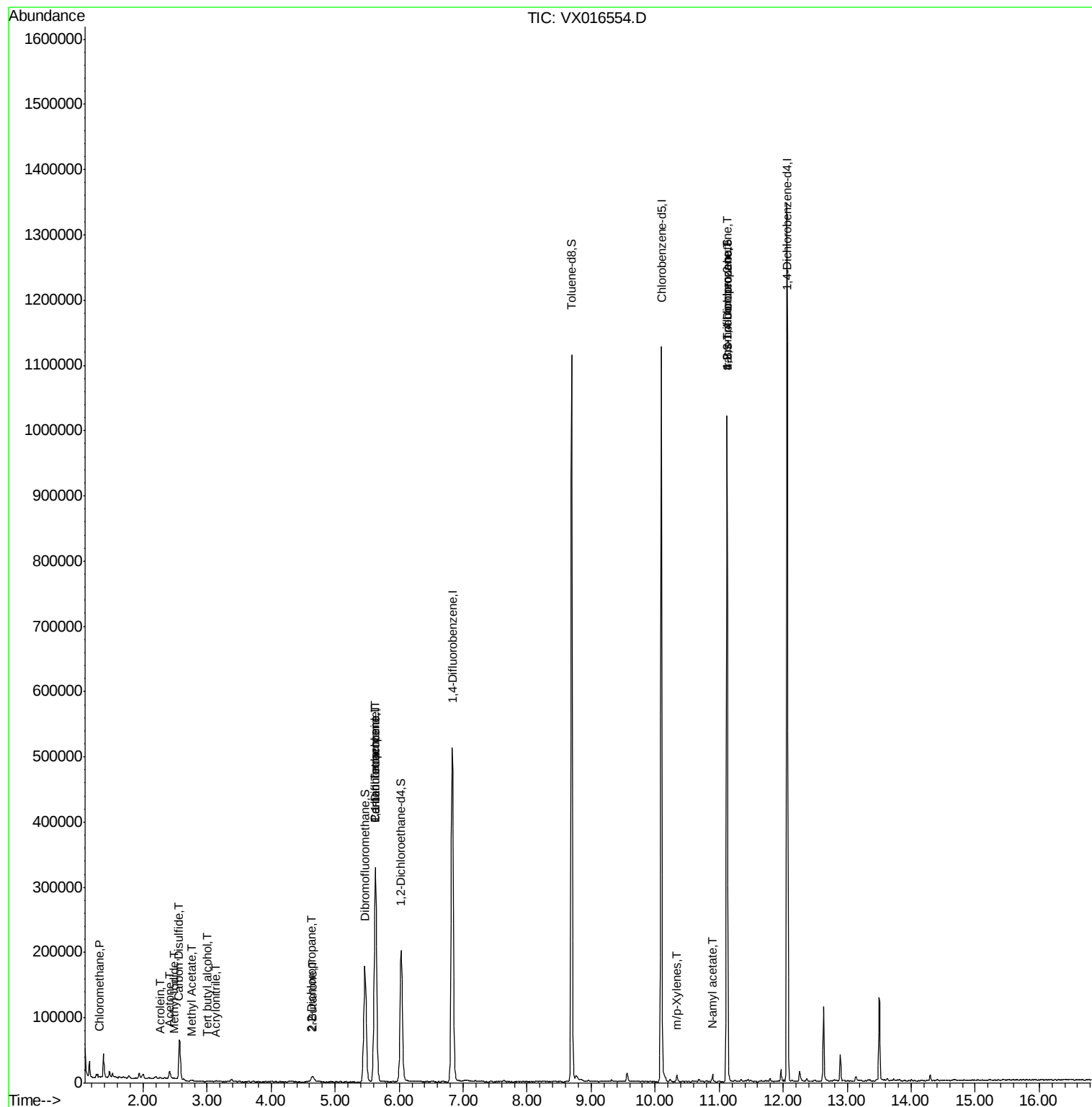
					Qvalue	
3) Chloromethane	1.31	50	947	0.244	ug/l	98
10) Methyl Iodide	2.50	142	210	3.111	ug/l #	94
11) Tert butyl alcohol	3.00	59	565	0.545	ug/l #	83
13) Acrolein	2.28	56	1001	2.268	ug/l #	70
15) Acrylonitrile	3.12	53	472	0.222	ug/l #	63
16) Acetone	2.42	43	10901	6.150	ug/l	95
17) Carbon Disulfide	2.56	76	2224	0.239	ug/l #	88
18) Methyl Acetate	2.75	43	1149	0.253	ug/l #	89
25) 2-Butanone	4.64	43	2850	0.949	ug/l	98
26) 2,2-Dichloropropane	4.63	77	1041	0.204	ug/l #	53
36) 1,1-Dichloropropene	5.63	75	23660	4.688	ug/l #	51
38) Carbon Tetrachloride	5.63	117	31594	5.957	ug/l #	15
68) m/p-Xylenes	10.34	106	2239	0.317	ug/l	100
74) N-amyl acetate	10.90	43	1800	0.202	ug/l #	9
76) 1,2,3-Trichloropropane	11.12	75	129206	21.036	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	129206	51.745	ug/l #	14

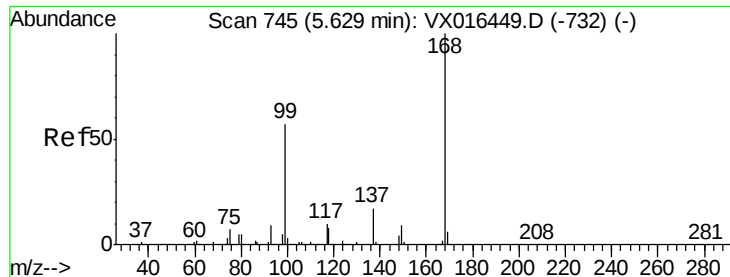
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
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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: VX016554.D

Acq: 02 Jun 2020 15:57

Instrument :

MSVOA_X

ClientSampled :

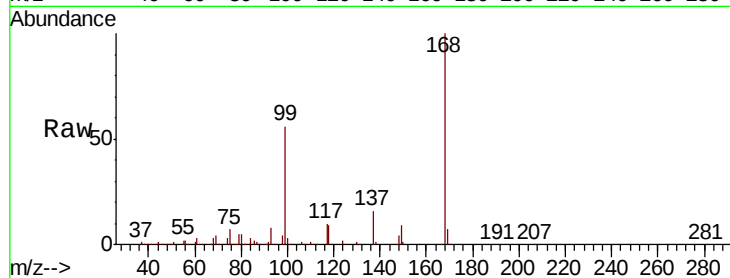
W-1

Tot Ion:168 Resp: 325797

Ion Ratio Lower Upper

168 100

99 55.5 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

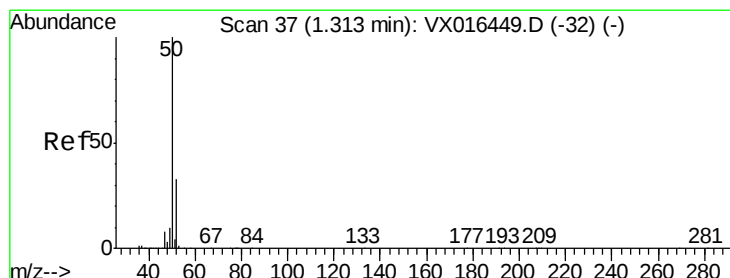
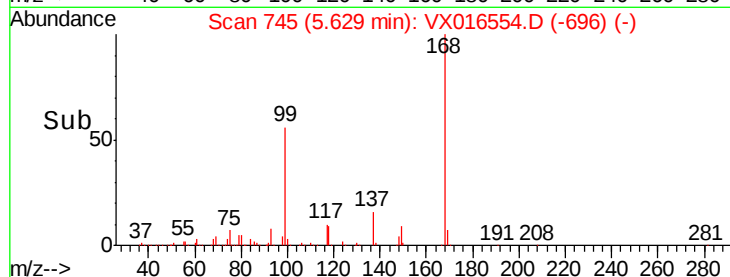
5.63

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016554.D

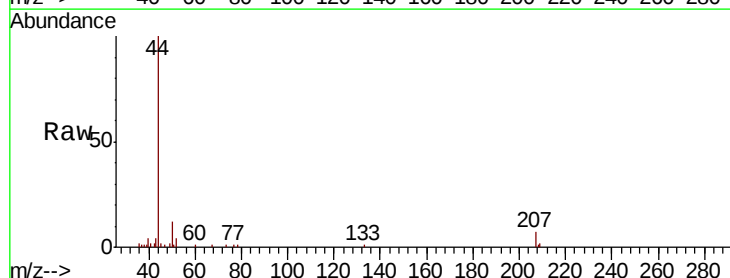
Acq: 02 Jun 2020 15:57

Tgt Ion: 50 Resp: 947

Ion Ratio Lower Upper

50 100

52 33.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1200

1000

800

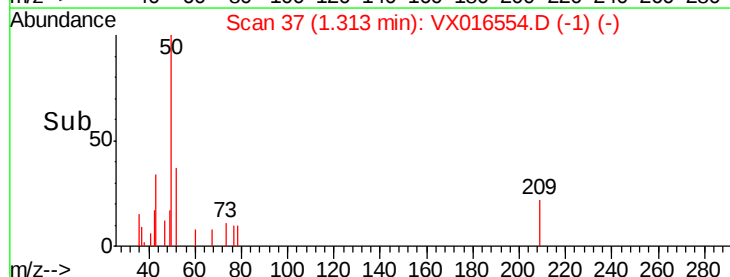
600

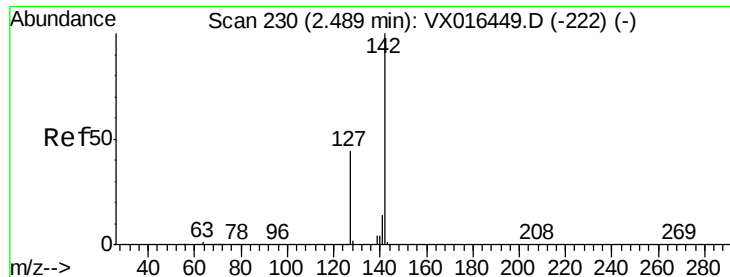
400

200

0

Time-->

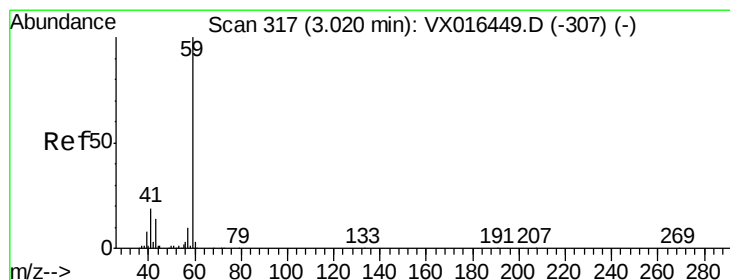
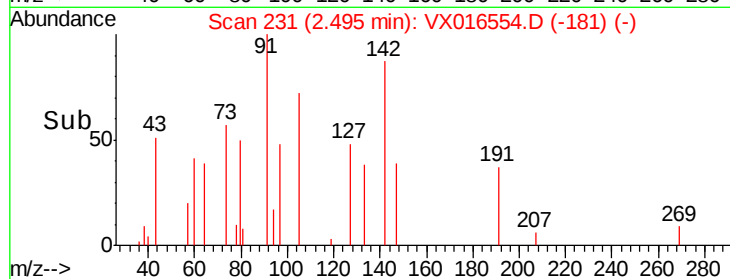
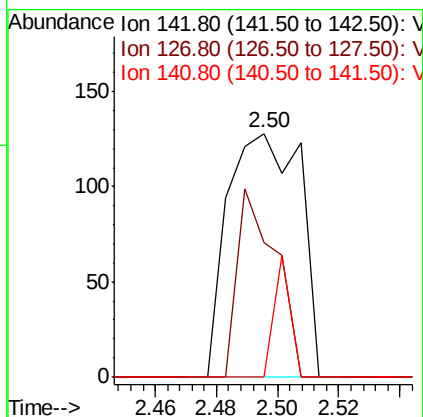
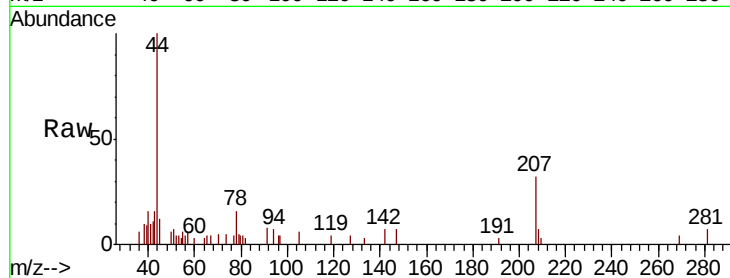




#10
Methyl Iodide
Concen: 3.111 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016554.D
Acq: 02 Jun 2020 15:57

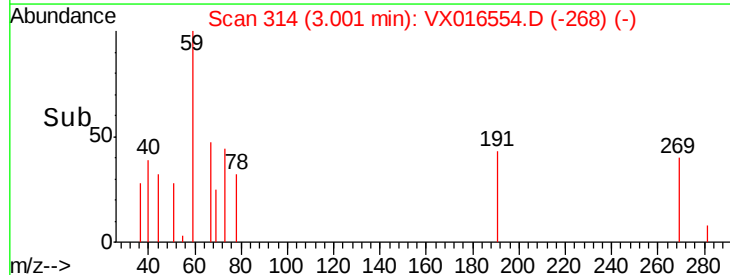
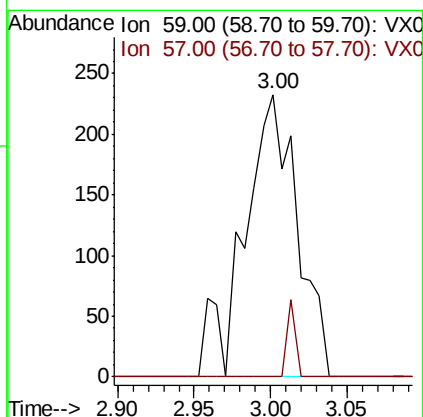
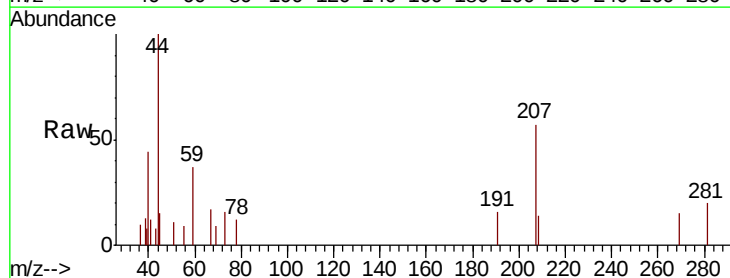
Instrument :
MSVOA_X
ClientSampleId :
W-1

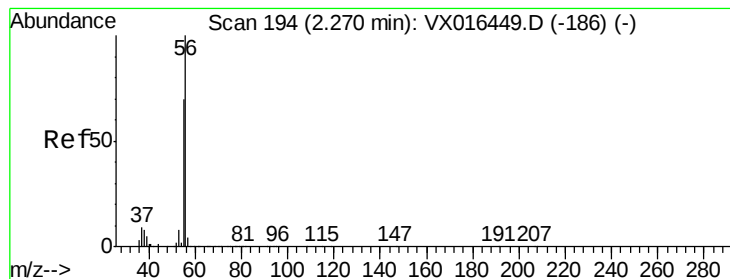
Tot Ion:142 Resp: 210
Ion Ratio Lower Upper
142 100
127 41.0 35.3 52.9
141 11.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.545 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016554.D
Acq: 02 Jun 2020 15:57

Tgt Ion: 59 Resp: 565
Ion Ratio Lower Upper
59 100
57 4.1 8.2 12.4#





#13

Acrolein

Concen: 2.268 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016554.D

Acq: 02 Jun 2020 15:57

Instrument :

MSVOA_X

ClientSampleId :

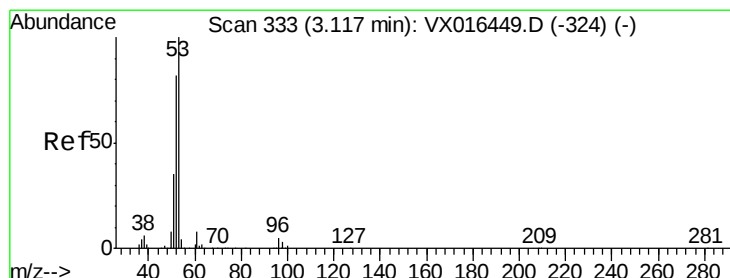
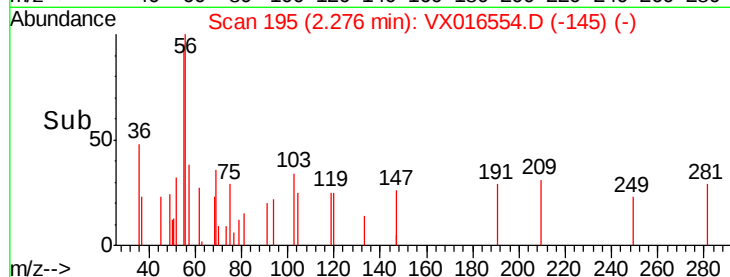
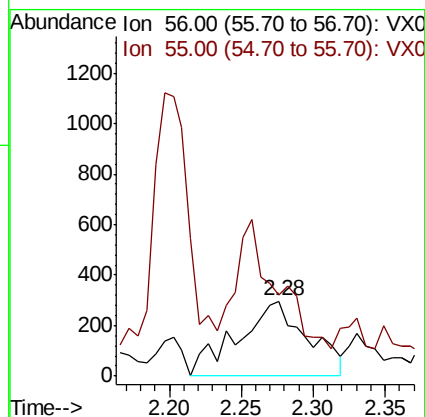
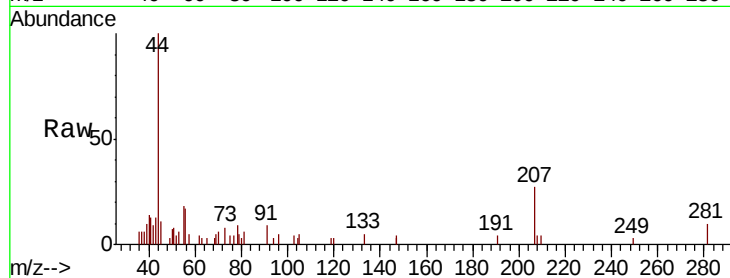
W-1

Tot Ion: 56 Resp: 1001

Ion Ratio Lower Upper

56 100

55 98.3 58.3 87.5#



#15

Acrylonitrile

Concen: 0.222 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016554.D

Acq: 02 Jun 2020 15:57

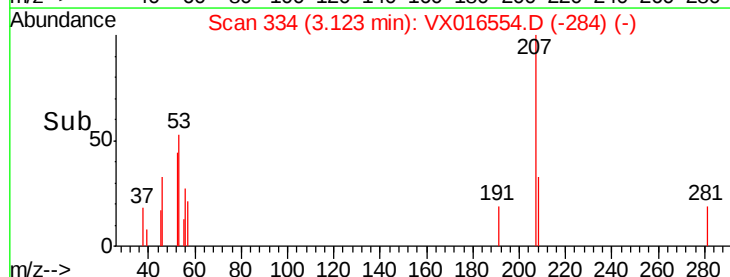
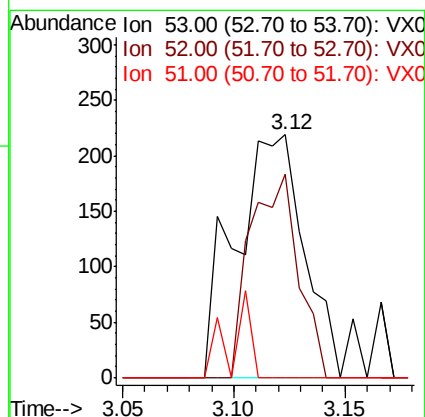
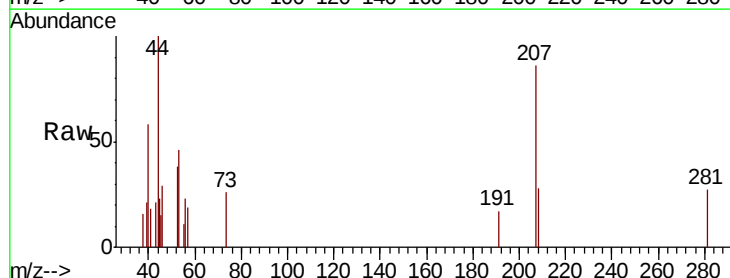
Tgt Ion: 53 Resp: 472

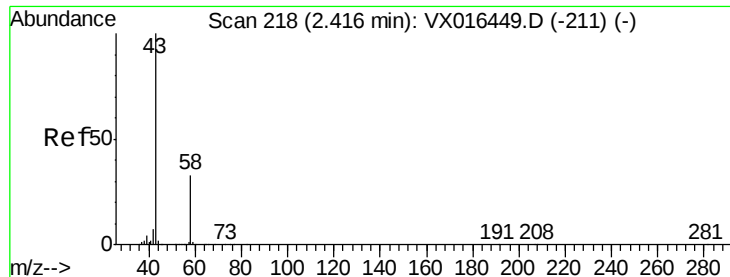
Ion Ratio Lower Upper

53 100

52 58.7 66.7 100.1#

51 0.0 28.6 43.0#





#16

Acetone

Concen: 6.150 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016554.D

Acq: 02 Jun 2020 15:57

Instrument :

MSVOA_X

ClientSampleId :

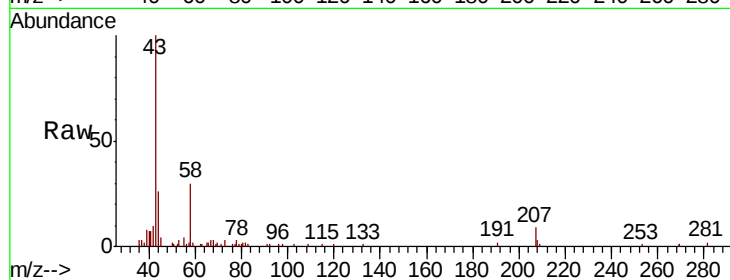
W-1

Tot Ion: 43 Resp: 10901

Ion Ratio Lower Upper

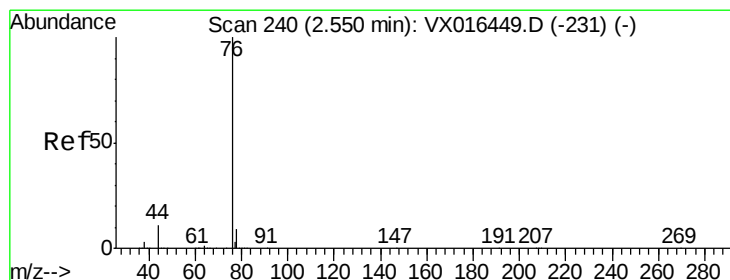
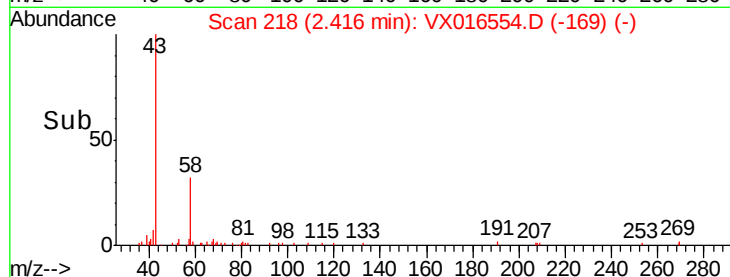
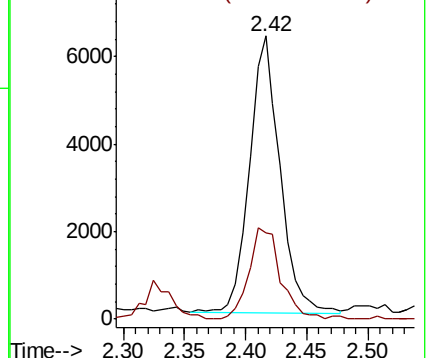
43 100

58 30.0 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.239 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016554.D

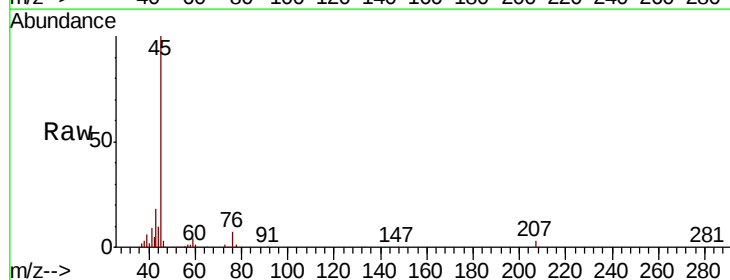
Acq: 02 Jun 2020 15:57

Tgt Ion: 76 Resp: 2224

Ion Ratio Lower Upper

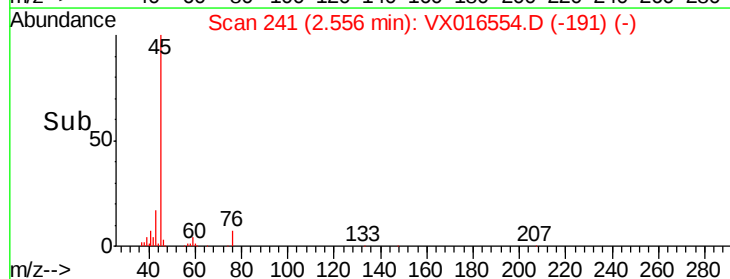
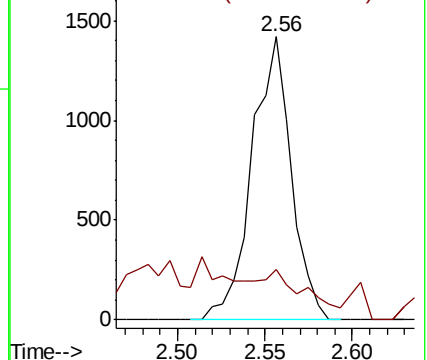
76 100

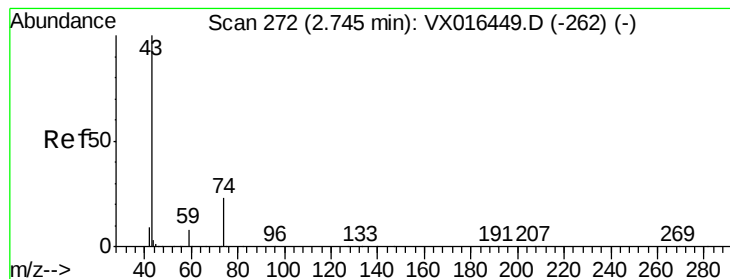
78 13.5 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#18

Methvl Acetate

Concen: 0.253 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX016554.D

Acq: 02 Jun 2020 15:57

Instrument :

MSVOA_X

ClientSampled :

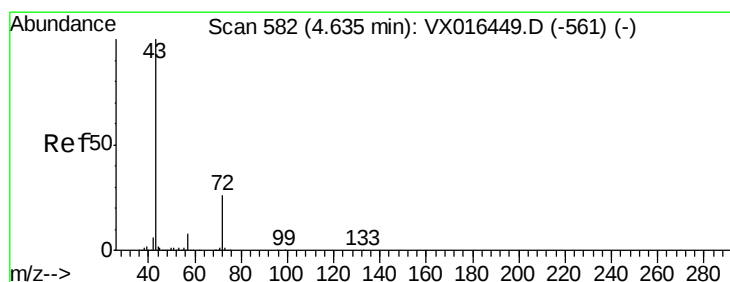
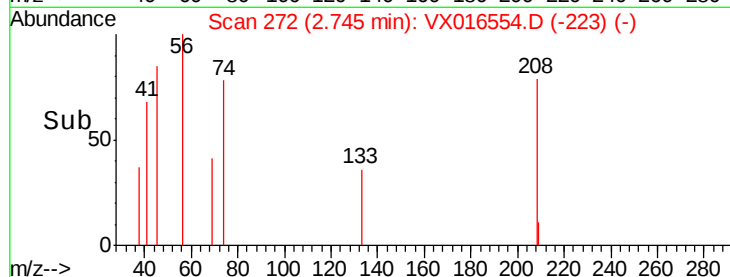
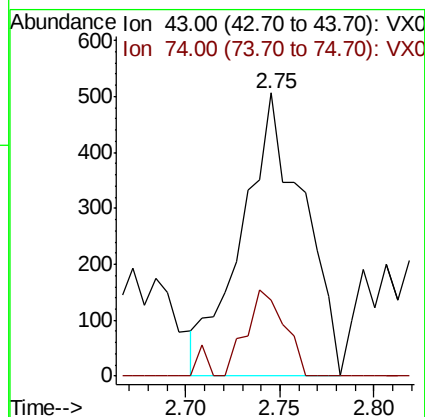
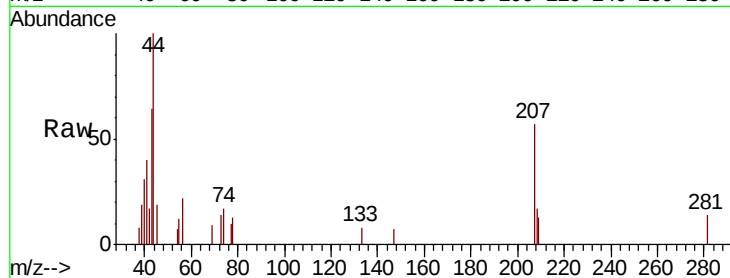
W-1

Tot Ion: 43 Resp: 1149

Ion Ratio Lower Upper

43 100

74 18.9 19.7 29.5#



#25

2-Butanone

Concen: 0.949 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016554.D

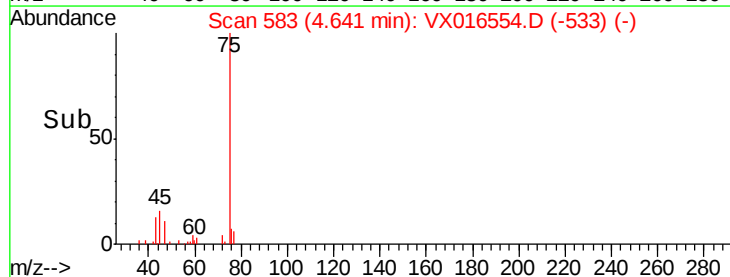
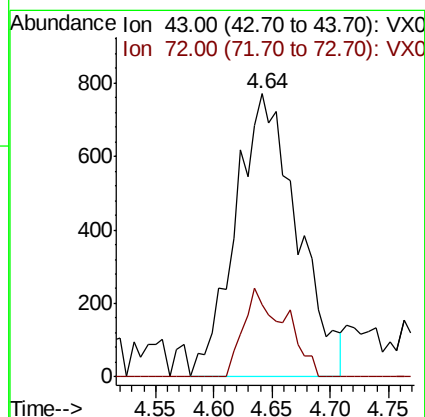
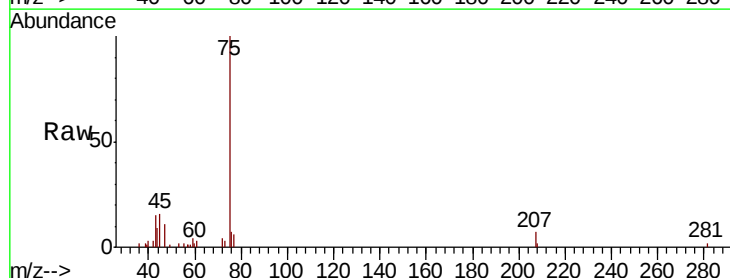
Acq: 02 Jun 2020 15:57

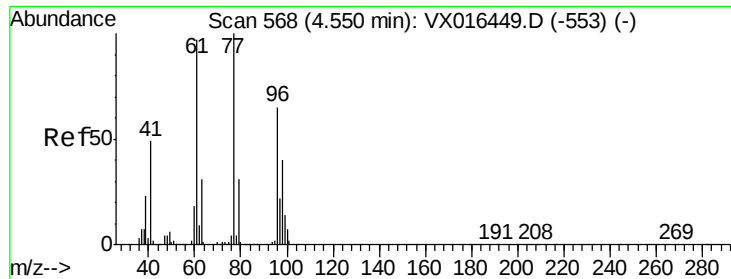
Tgt Ion: 43 Resp: 2850

Ion Ratio Lower Upper

43 100

72 25.5 21.0 31.6

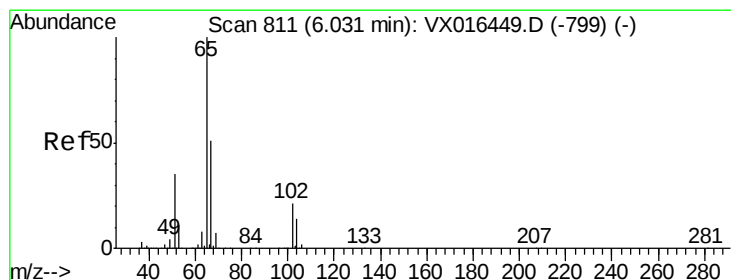
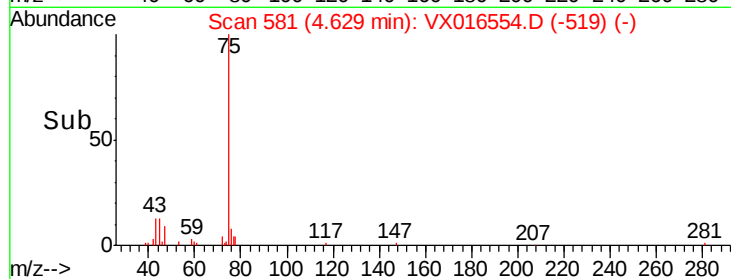
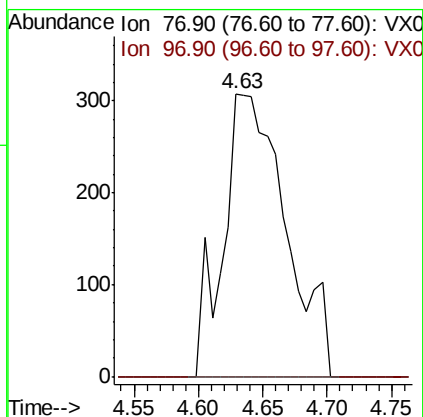
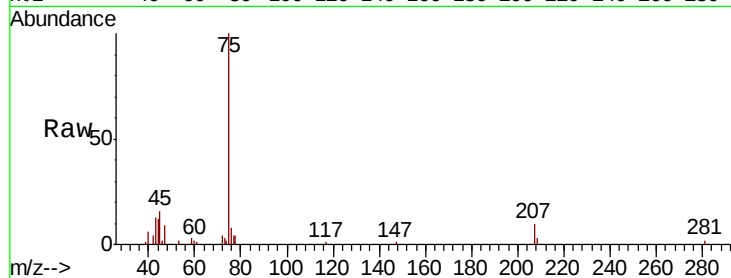




#26
 2,2-Dichloropropane
 Concen: 0.204 ug/l
 RT: 4.63 min Scan# 581
 Delta R.T. 0.08 min
 Lab File: VX016554.D
 Acq: 02 Jun 2020 15:57

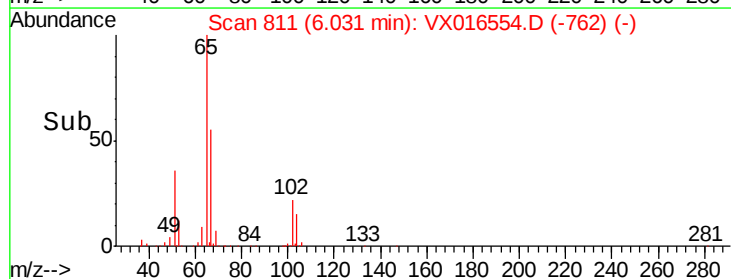
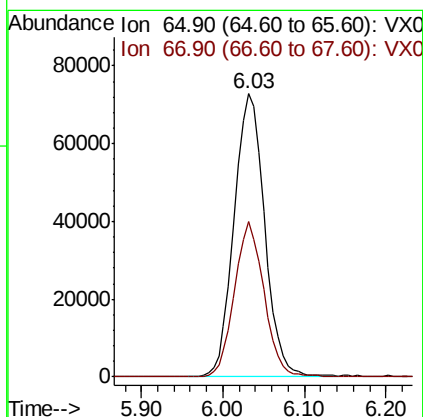
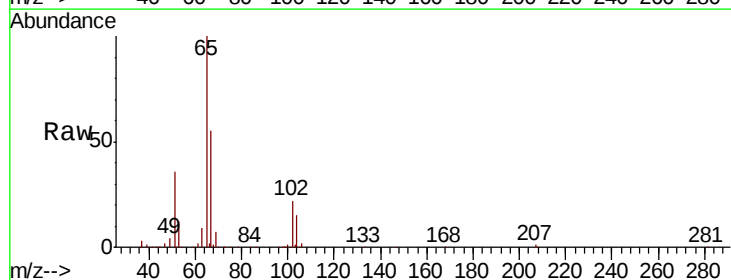
Instrument :
 MSVOA_X
 ClientSampleId :
 W-1

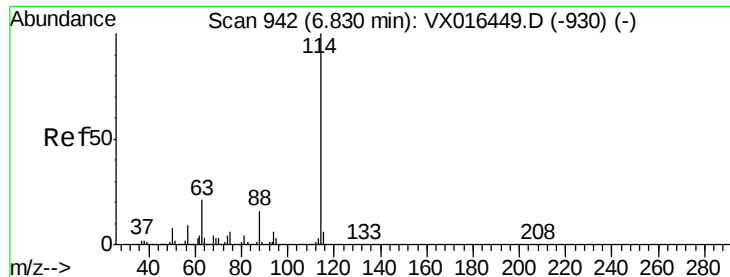
Tot Ion: 77 Resp: 1041
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.5 34.4#



#33
 1,2-Dichloroethane-d4
 Concen: 46.753 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016554.D
 Acq: 02 Jun 2020 15:57

Tgt Ion: 65 Resp: 189162
 Ion Ratio Lower Upper
 65 100
 67 53.0 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: VX016554.D

Acq: 02 Jun 2020 15:57

Instrument :

MSVOA_X

ClientSampleId :

W-1

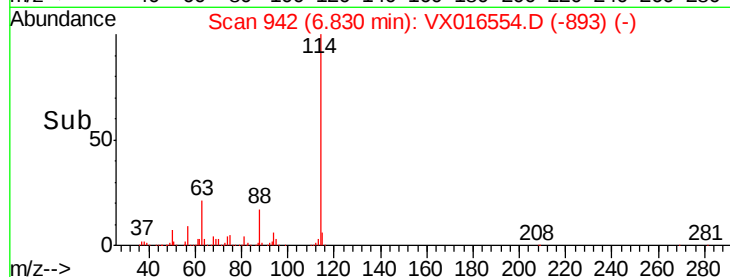
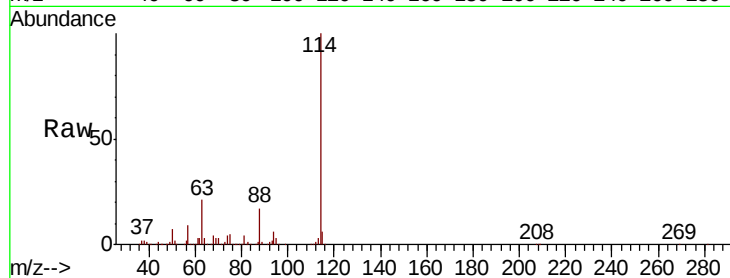
Tot Ion:114 Resp: 533072

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

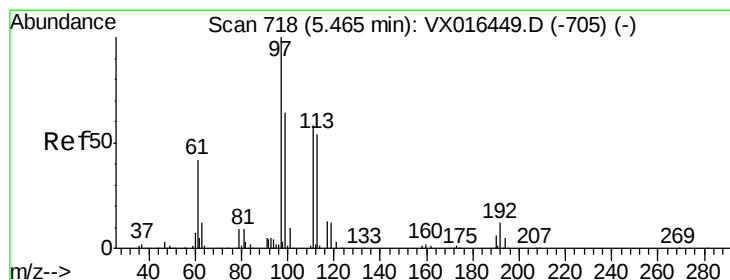
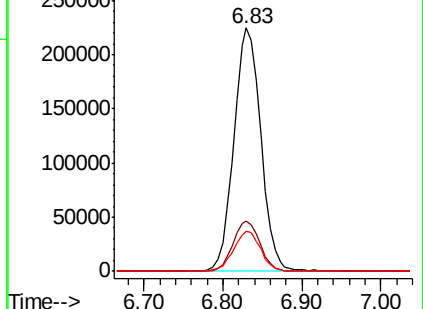
88 16.6 0.0 32.8



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



#35

Dibromofluoromethane

Concen: 46.938 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016554.D

Acq: 02 Jun 2020 15:57

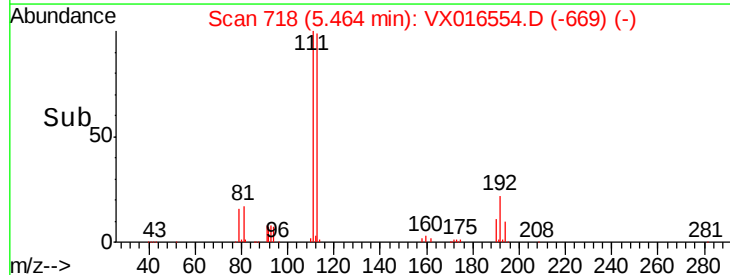
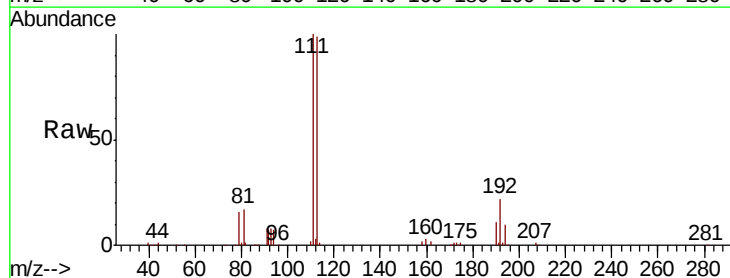
Tgt Ion:113 Resp: 154067

Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.6

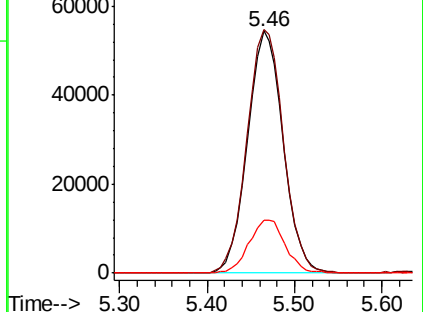
192 22.5 17.7 26.5

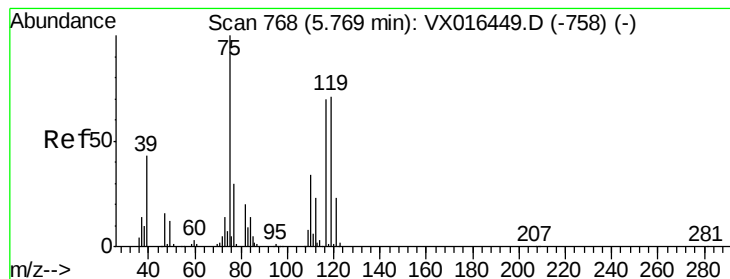


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.688 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016554.D

Acq: 02 Jun 2020 15:57

Instrument :

MSVOA_X

ClientSampled :

W-1

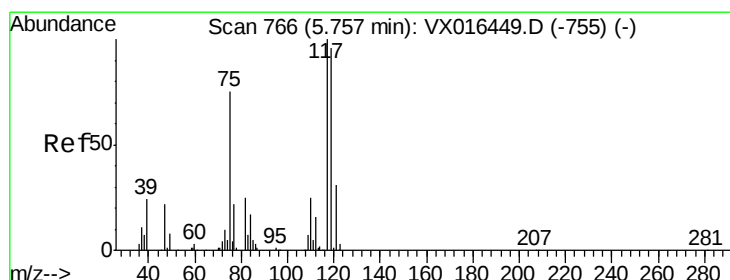
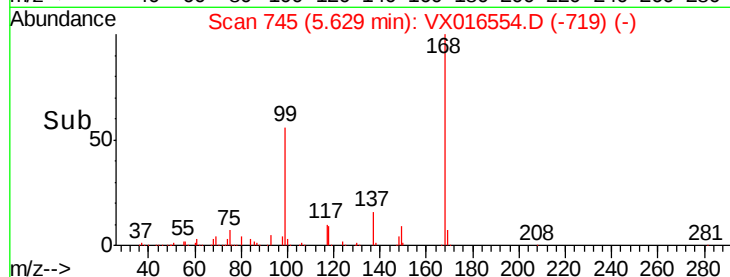
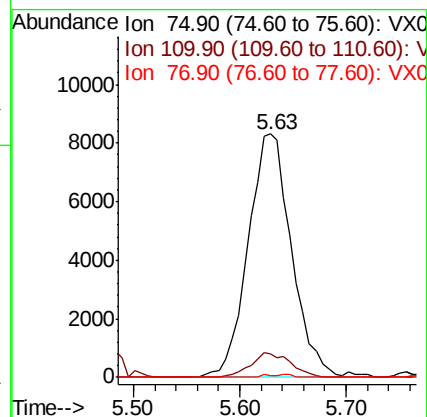
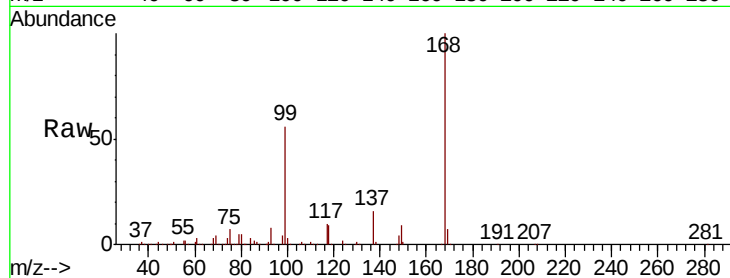
Tot Ion: 75 Resp: 23660

Ion Ratio Lower Upper

75 100

110 9.4 17.4 52.3#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.957 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016554.D

Acq: 02 Jun 2020 15:57

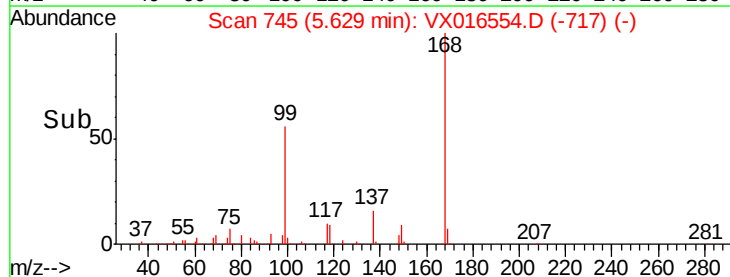
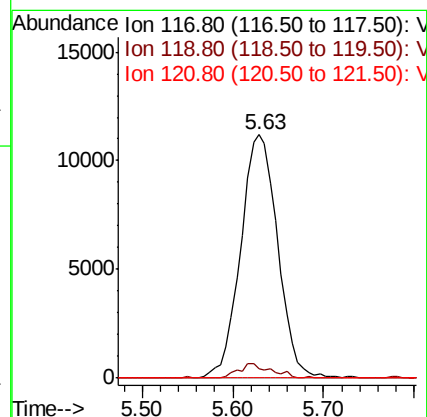
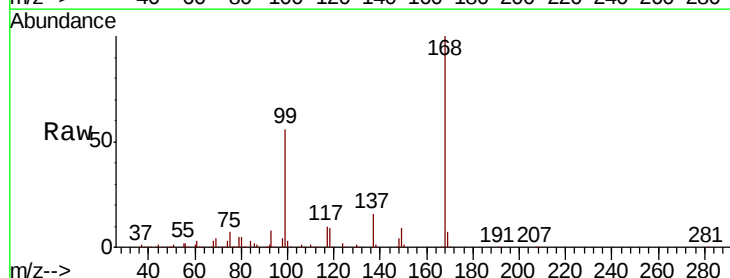
Tgt Ion: 117 Resp: 31594

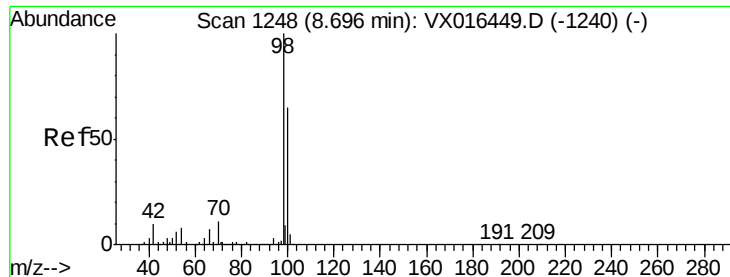
Ion Ratio Lower Upper

117 100

119 3.7 76.3 114.5#

121 0.0 24.6 37.0#

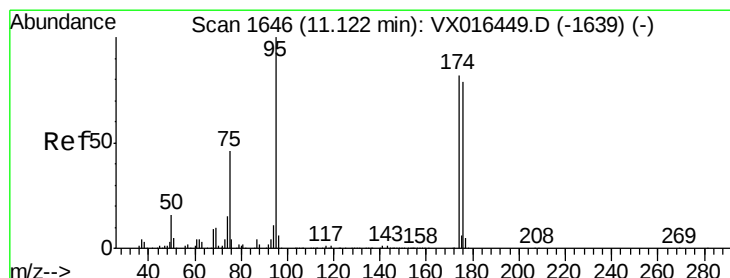
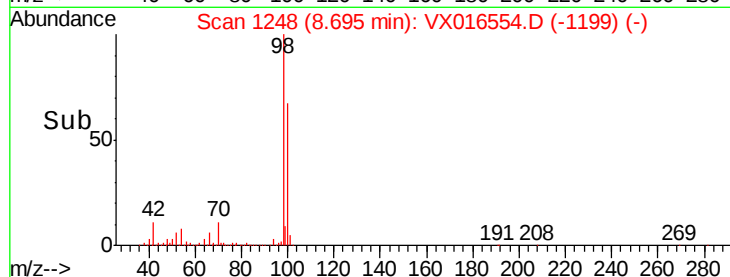
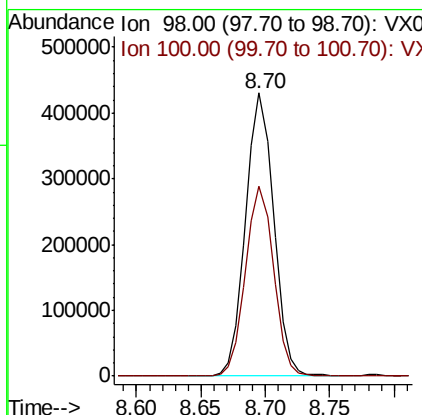
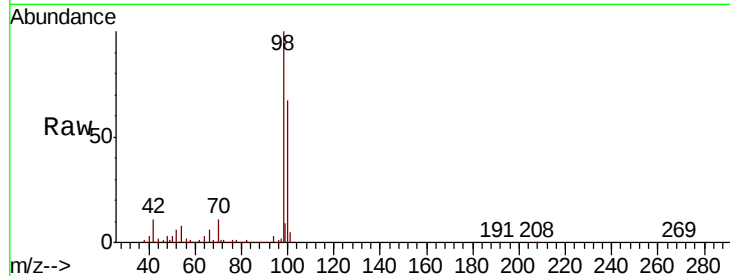




#50
Toluene-d8
Concen: 50.841 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016554.D
Acq: 02 Jun 2020 15:57

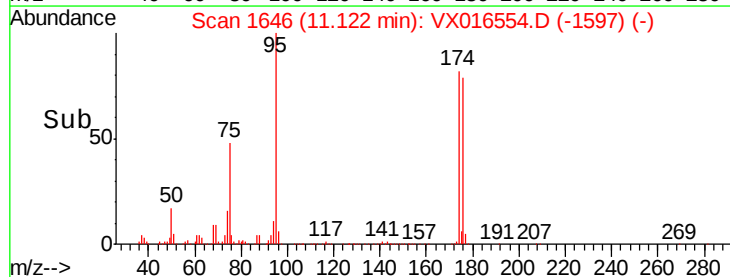
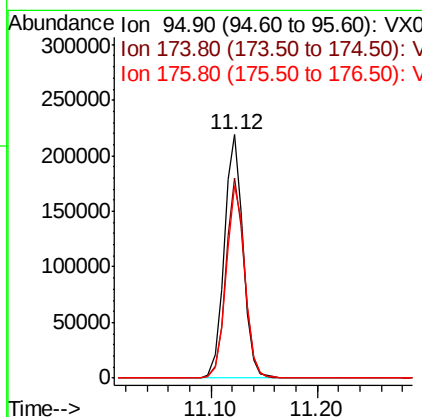
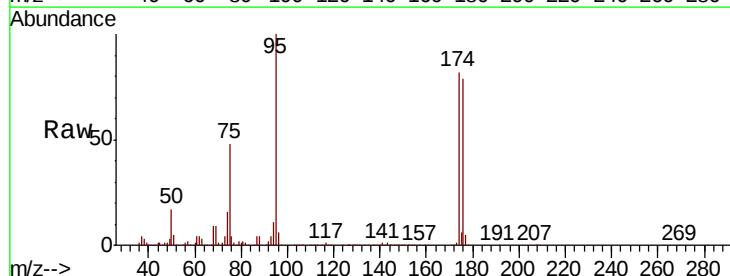
Instrument :
MSVOA_X
ClientSampleId :
W-1

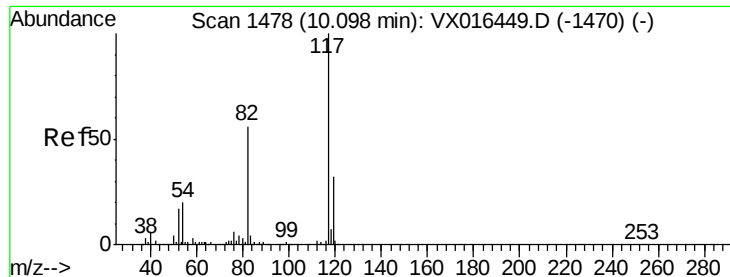
Tot Ion: 98 Resp: 649529
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 54.680 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016554.D
Acq: 02 Jun 2020 15:57

Tgt Ion: 95 Resp: 269930
Ion Ratio Lower Upper
95 100
174 80.7 0.0 163.0
176 79.1 0.0 156.8

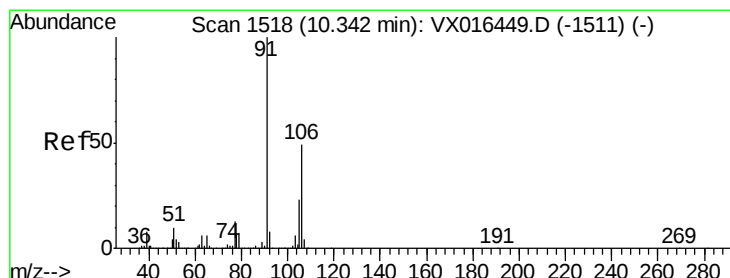
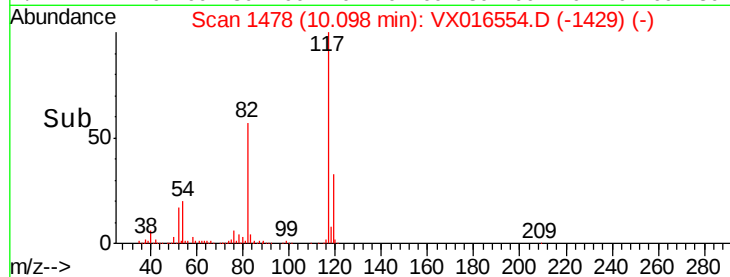
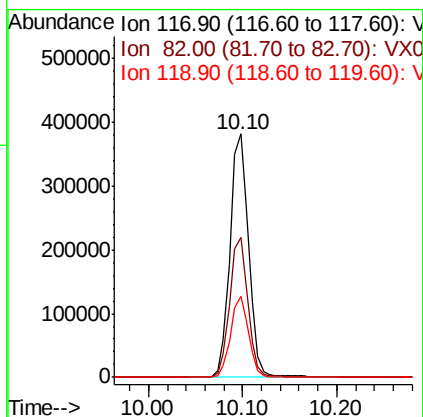
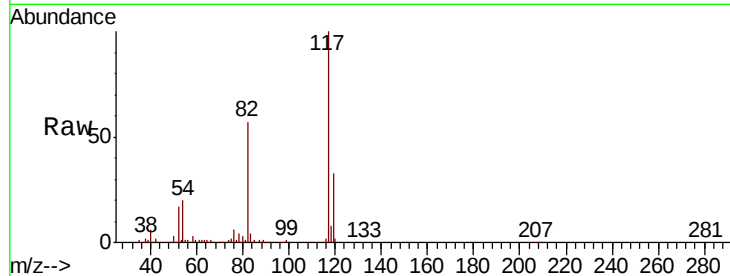




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016554.D
Acq: 02 Jun 2020 15:57

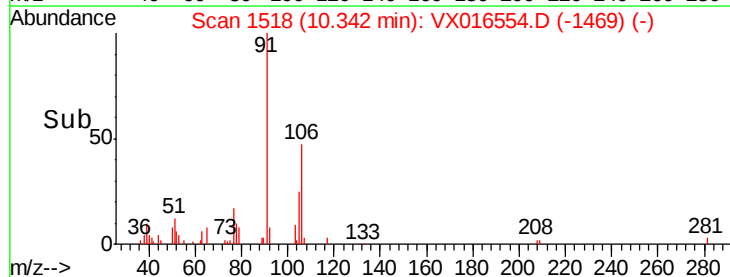
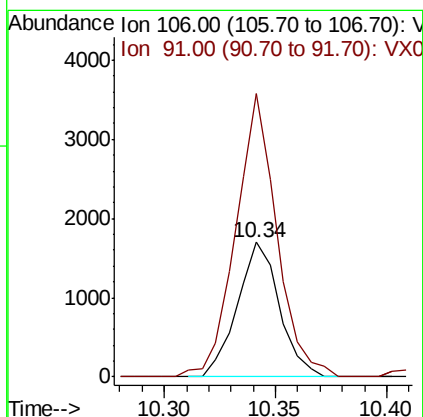
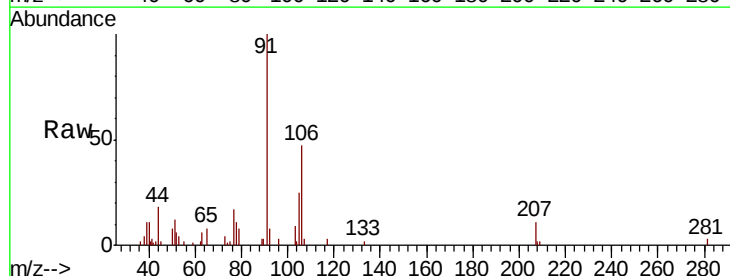
Instrument :
MSVOA_X
ClientSampled :
W-1

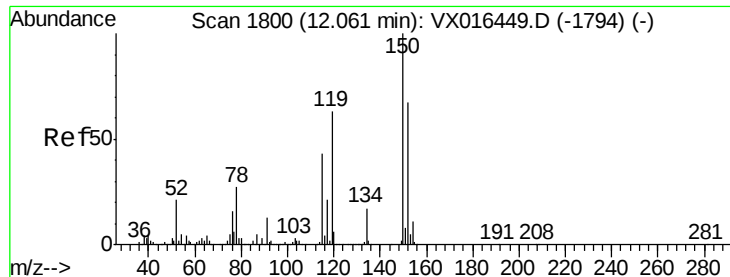
Tot Ion:117 Resp: 525132
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.6
119 33.4 25.8 38.8



#68
m/p-Xylenes
Concen: 0.317 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016554.D
Acq: 02 Jun 2020 15:57

Tgt Ion:106 Resp: 2239
Ion Ratio Lower Upper
106 100
91 204.6 163.8 245.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016554.D

Acq: 02 Jun 2020 15:57

Instrument :

MSVOA_X

ClientSampleId :

W-1

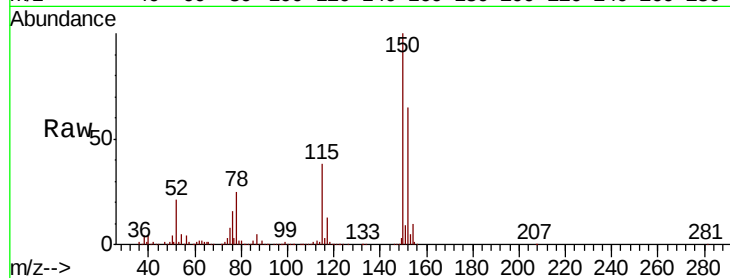
Tot Ion:152 Resp: 279436

Ion Ratio Lower Upper

152 100

115 57.9 39.9 119.6

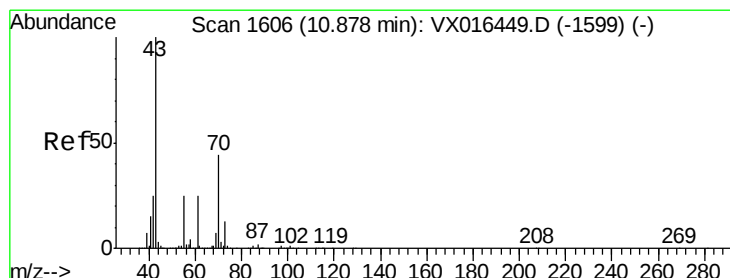
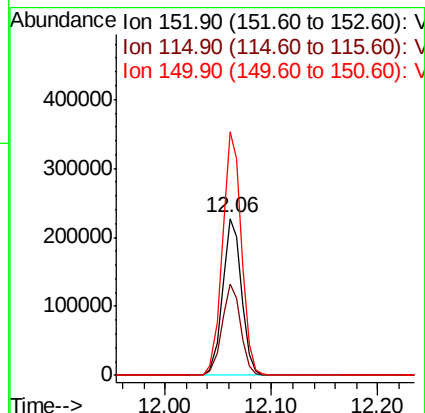
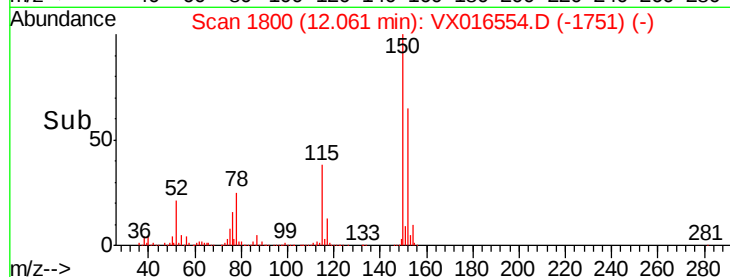
150 155.8 0.0 341.0



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



#74

N-ethyl acetate

Concen: 0.202 ug/l

RT: 10.90 min Scan# 1609

Delta R.T. 0.02 min

Lab File: VX016554.D

Acq: 02 Jun 2020 15:57

Tgt Ion: 43 Resp: 1800

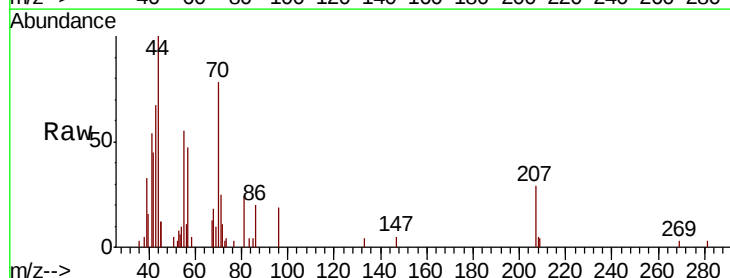
Ion Ratio Lower Upper

43 100

70 107.4 36.1 54.1#

55 87.6 20.2 30.4#

61 0.0 20.3 30.5#

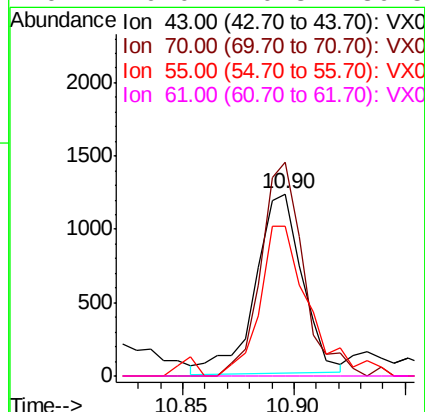
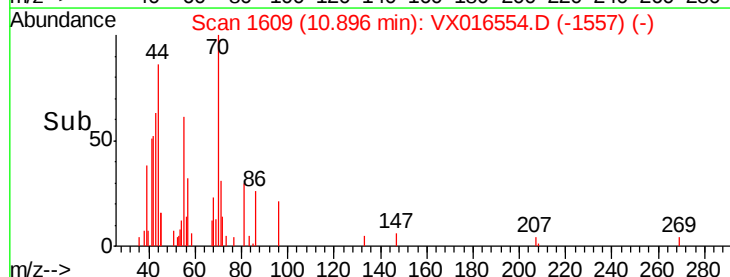


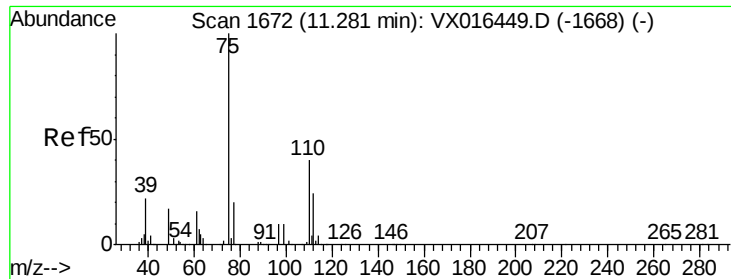
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 21.036 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016554.D

Acq: 02 Jun 2020 15:57

Instrument :

MSVOA_X

ClientSampleId :

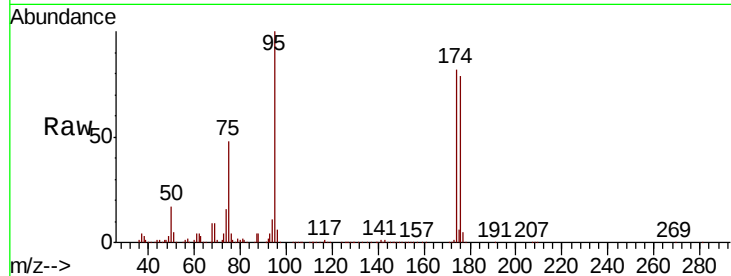
W-1

Tot Ion: 75 Resp: 129206

Ion Ratio Lower Upper

75 100

77 1.3 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

120000

100000

80000

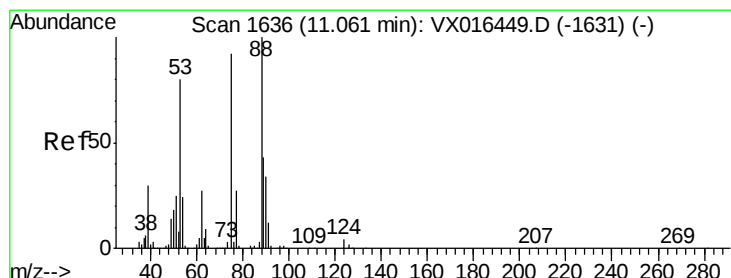
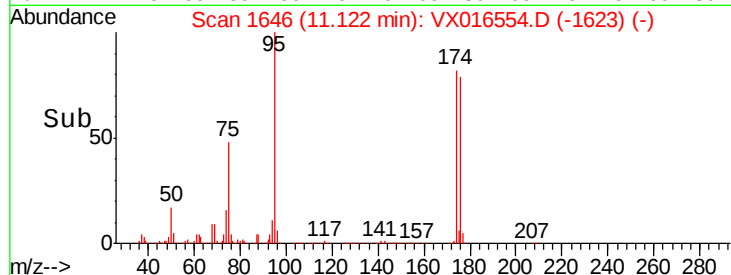
60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 51.745 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016554.D

Acq: 02 Jun 2020 15:57

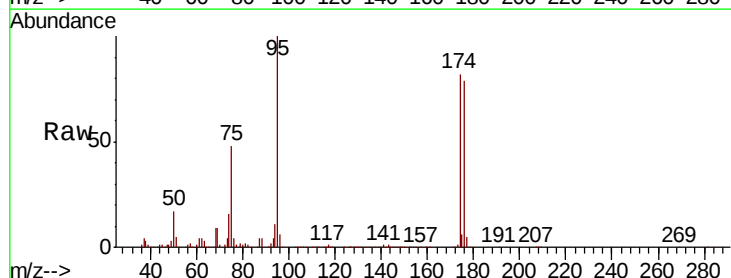
Tgt Ion: 75 Resp: 129206

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#



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

11.12

100000

50000

0

Time--> 11.05 11.10 11.15 11.20

