

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\
 Data File : VX016533.D
 Acq On : 01 Jun 2020 16:52
 Operator : JC/SP
 Sample : L2802-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW113-200527

Quant Time: Jun 02 01:49:13 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	5.64	168	256349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	417644	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	424399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222189	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	151763	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
35) Dibromofluoromethane	5.46	113	122101	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
50) Toluene-d8	8.70	98	526128	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
62) 4-Bromofluorobenzene	11.12	95	213836	55.29	ug/l	0.00
Spiked Amount			Recovery	=	110.58%	

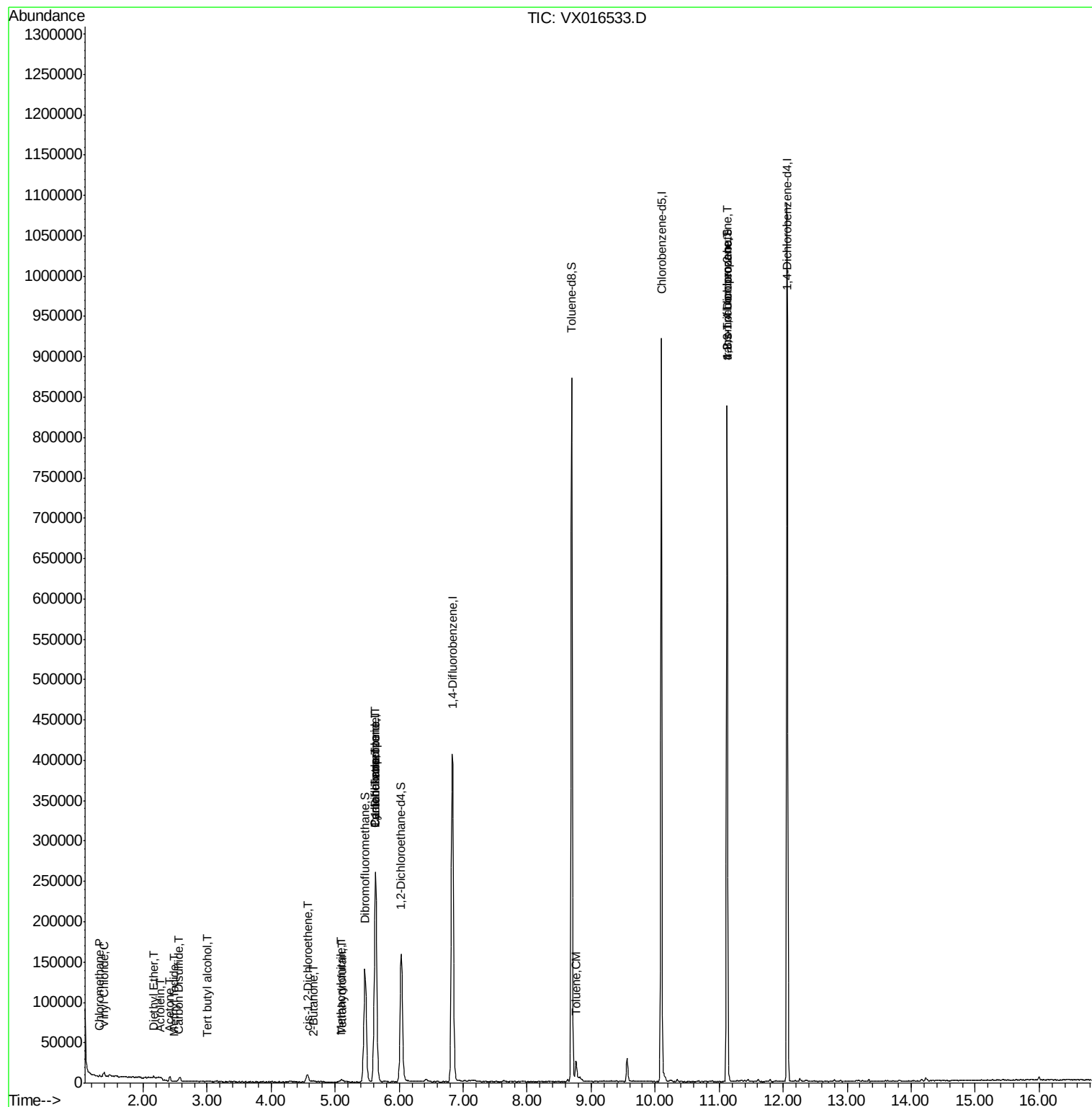
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1357	0.445	ug/l	100
4) Vinyl Chloride	1.39	62	3295	1.022	ug/l	91
8) Diethyl Ether	2.17	74	838	0.475	ug/l #	1
10) Methyl Iodide	2.50	142	20	3.062	ug/l #	40
11) Tert butyl alcohol	3.01	59	621	0.761	ug/l #	81
13) Acrolein	2.27	56	372	1.071	ug/l #	13
16) Acetone	2.42	43	5099	3.656	ug/l	92
17) Carbon Disulfide	2.55	76	2447	0.334	ug/l #	78
25) 2-Butanone	4.66	43	1177	0.498	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	6093	1.930	ug/l	84
29) Tetrahydrofuran	5.11	42	3132	2.051	ug/l	91
31) Cyclohexane	5.64	56	4741	1.071	ug/l #	5
36) 1,1-Dichloropropene	5.63	75	18191	4.600	ug/l #	51
38) Carbon Tetrachloride	5.64	117	24946	6.003	ug/l #	16
41) Methacrylonitrile	5.09	41	1955	0.750	ug/l #	49
52) Toluene	8.77	92	8688	1.170	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	103741	21.242	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	103741	52.251	ug/l #	14

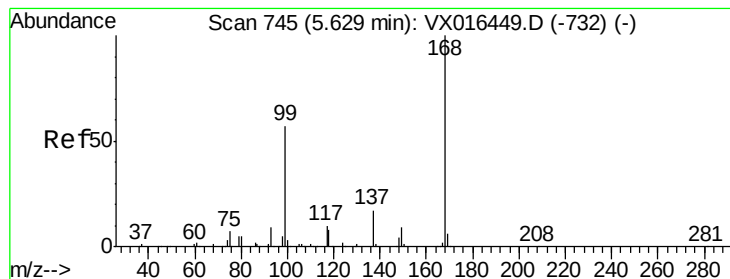
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016533.D

Acq: 01 Jun 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

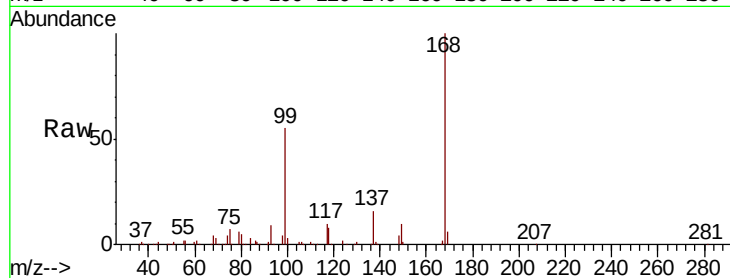
SS050MW113-200527

Tot Ion:168 Resp: 256349

Ion Ratio Lower Upper

168 100

99 55.3 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

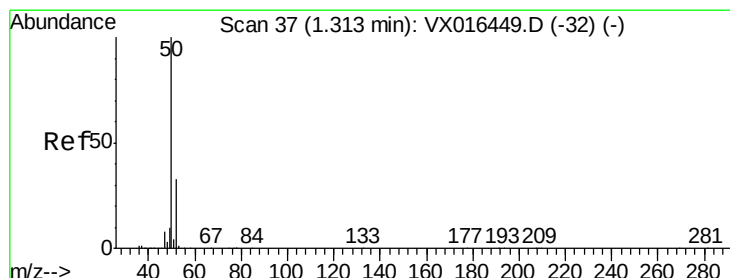
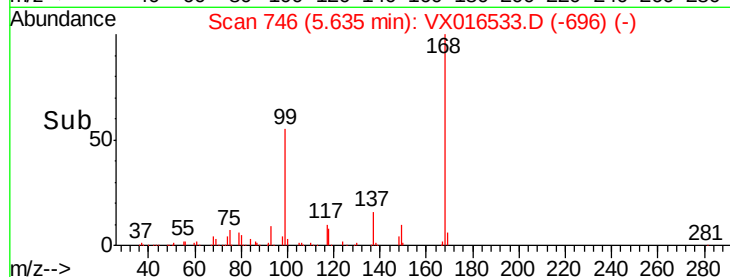
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.445 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016533.D

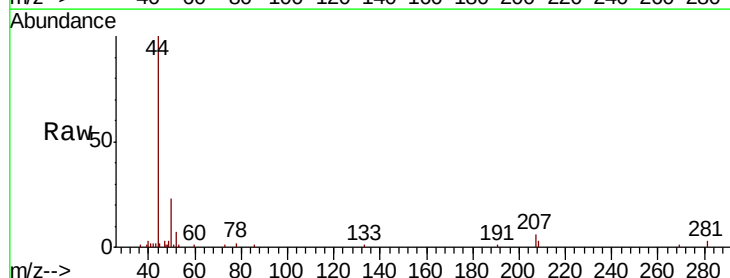
Acq: 01 Jun 2020 16:52

Tgt Ion: 50 Resp: 1357

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

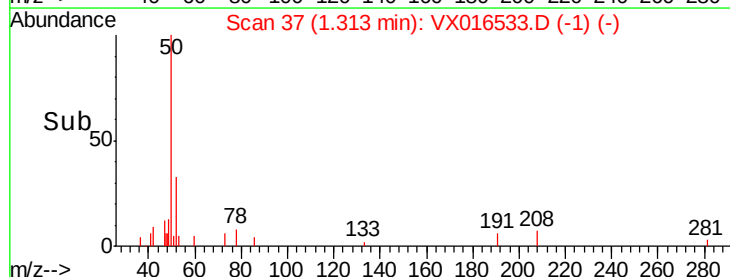
1.31

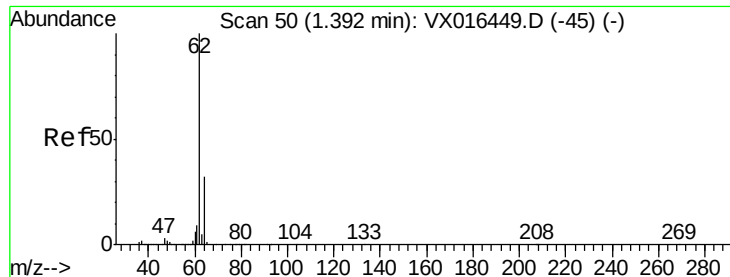
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 1.022 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016533.D

Acq: 01 Jun 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

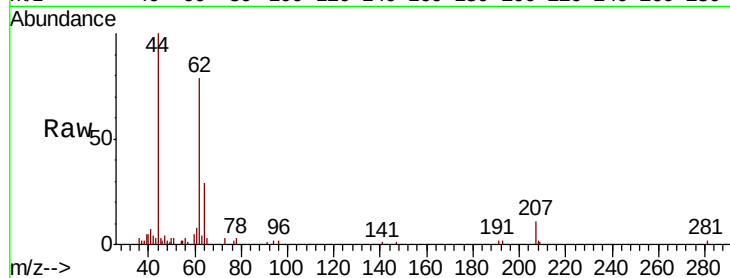
SS050MW113-200527

Tot Ion: 62 Resp: 3295

Ion Ratio Lower Upper

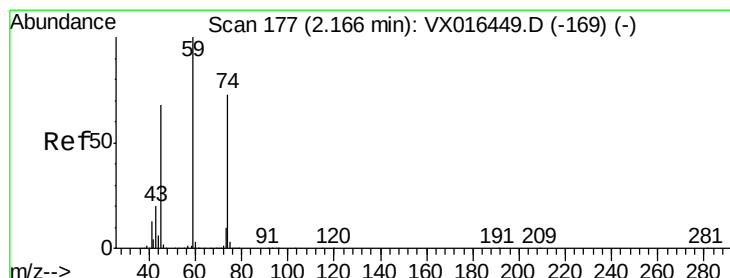
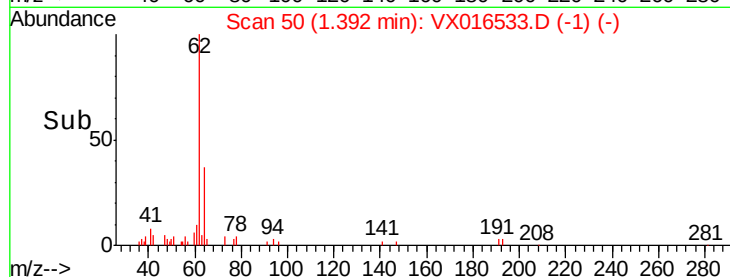
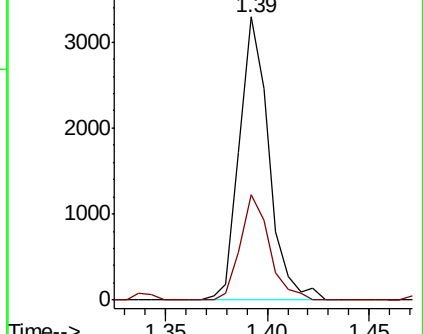
62 100

64 37.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#8

Diethyl Ether

Concen: 0.475 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX016533.D

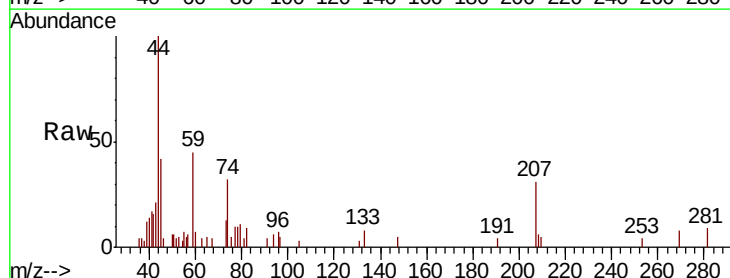
Acq: 01 Jun 2020 16:52

Tgt Ion: 74 Resp: 838

Ion Ratio Lower Upper

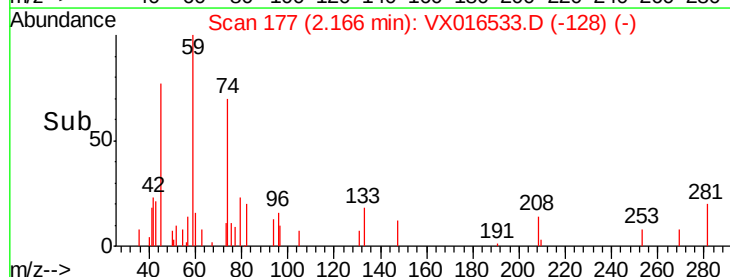
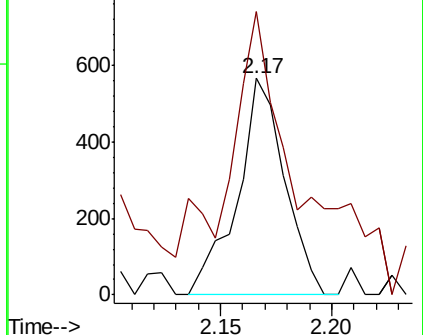
74 100

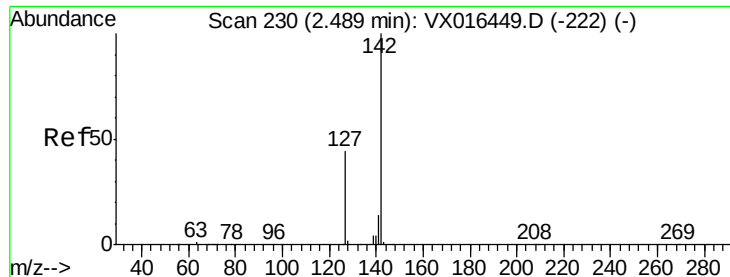
45 200.6 47.5 142.5#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

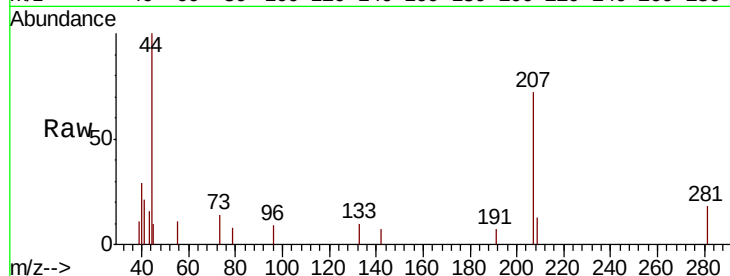




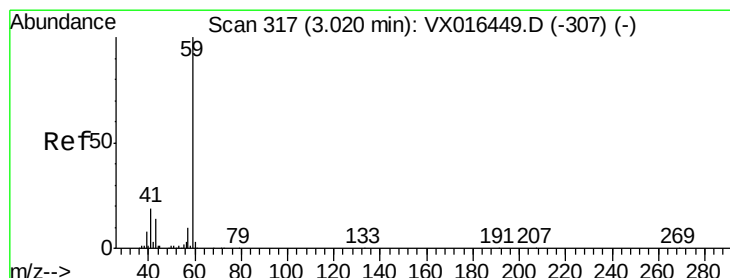
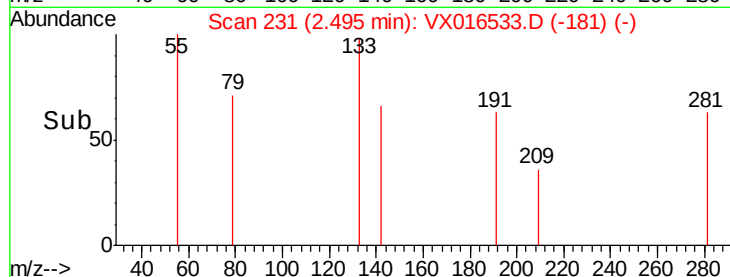
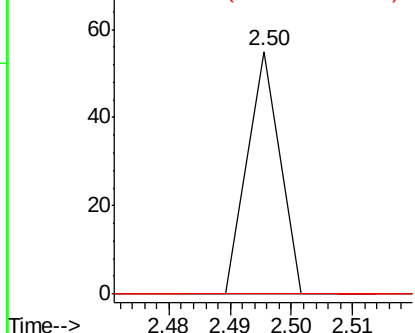
#10
Methvl Iodide
Concen: 3.062 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016533.D
Acq: 01 Jun 2020 16:52

Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-200527

Tot Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.4 17.2#

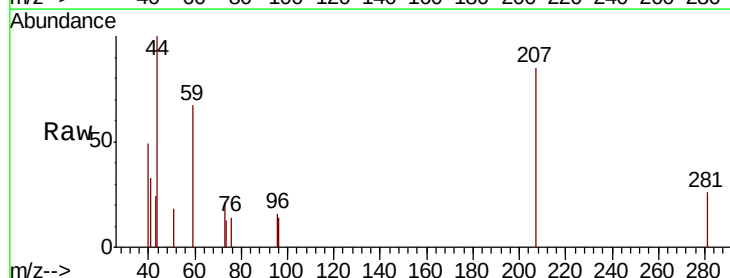


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

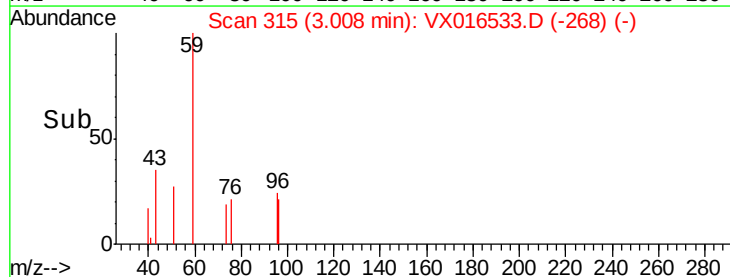
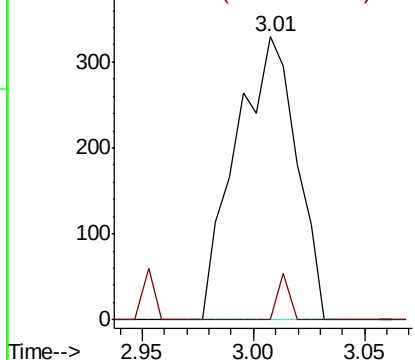


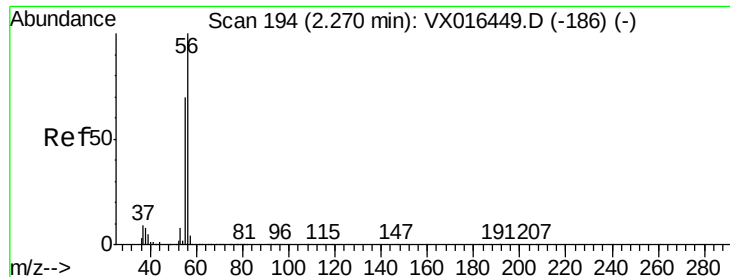
#11
Tert butyl alcohol
Concen: 0.761 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016533.D
Acq: 01 Jun 2020 16:52

Tgt Ion: 59 Resp: 621
Ion Ratio Lower Upper
59 100
57 3.2 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: 1.071 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016533.D

Acq: 01 Jun 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

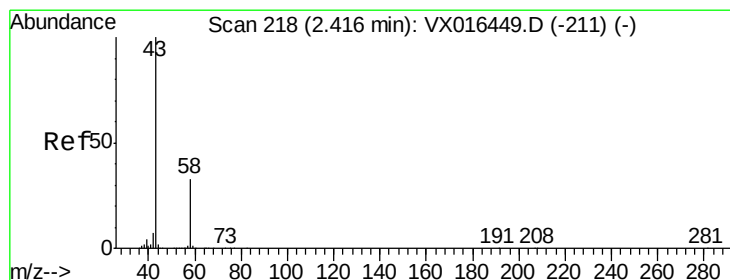
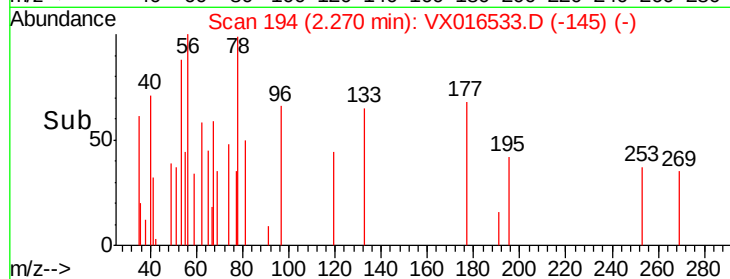
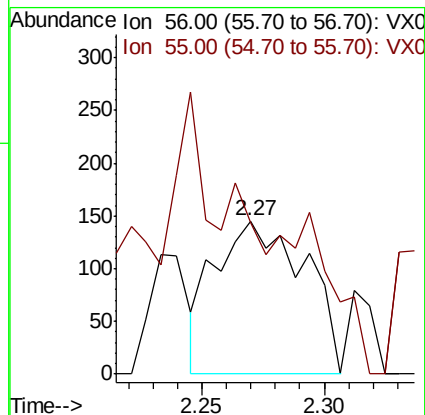
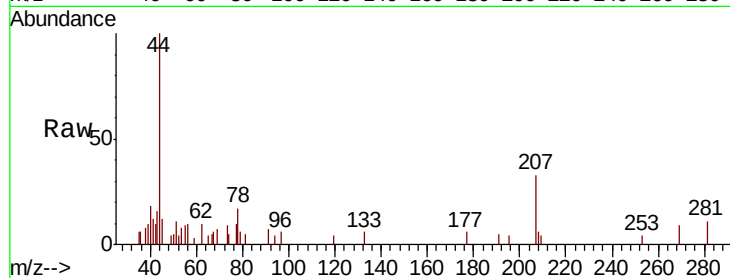
SS050MW113-200527

Tot Ion: 56 Resp: 372

Ion Ratio Lower Upper

56 100

55 0.0 58.3 87.5#



#16

Acetone

Concen: 3.656 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016533.D

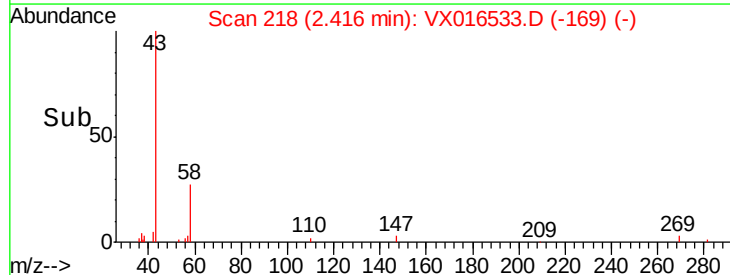
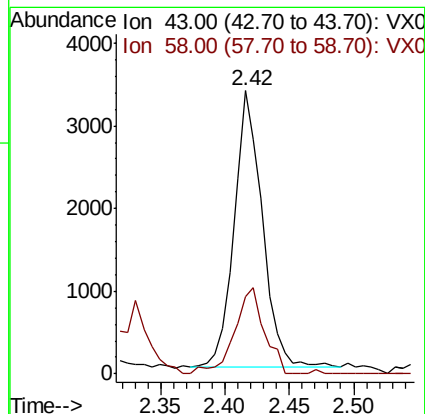
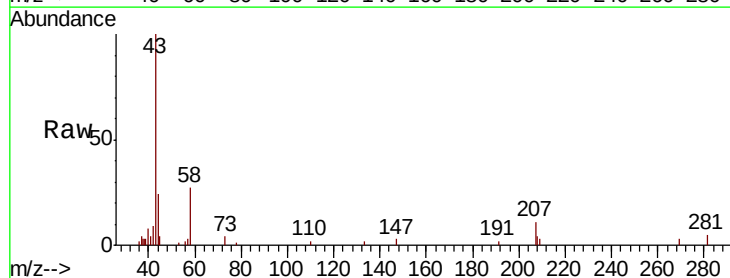
Acq: 01 Jun 2020 16:52

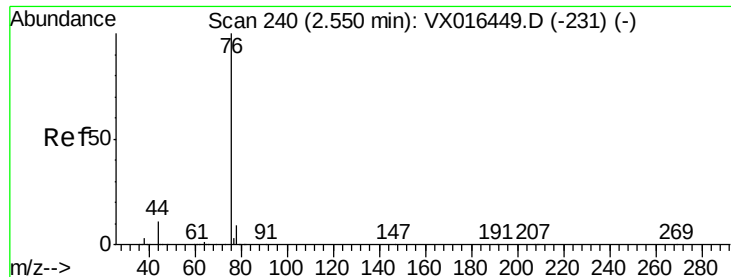
Tgt Ion: 43 Resp: 5099

Ion Ratio Lower Upper

43 100

58 28.0 26.1 39.1





#17

Carbon Disulfide

Concen: 0.334 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016533.D

Acq: 01 Jun 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

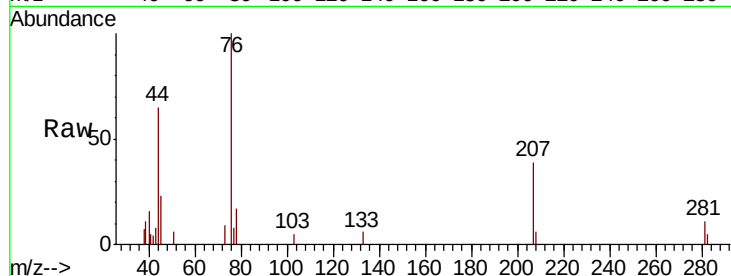
SS050MW113-200527

Tot Ion: 76 Resp: 2447

Ion Ratio Lower Upper

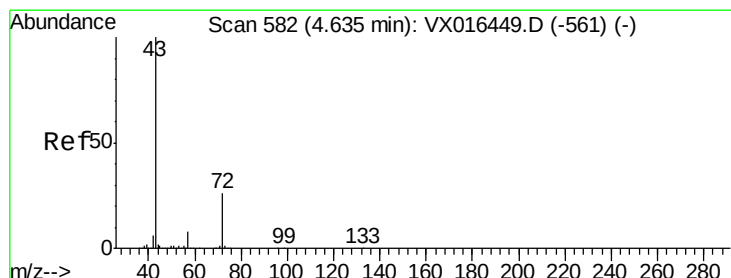
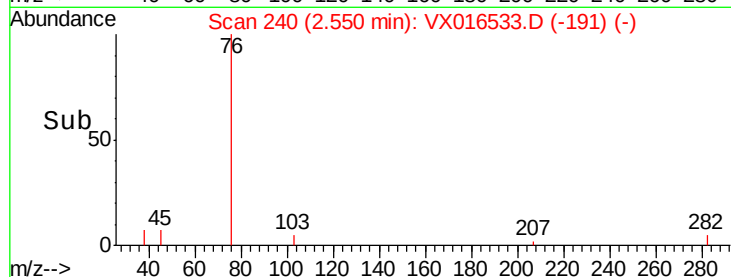
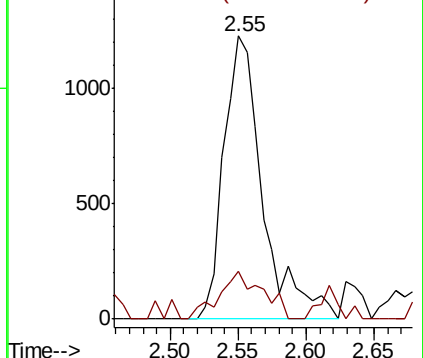
76 100

78 17.1 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.498 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX016533.D

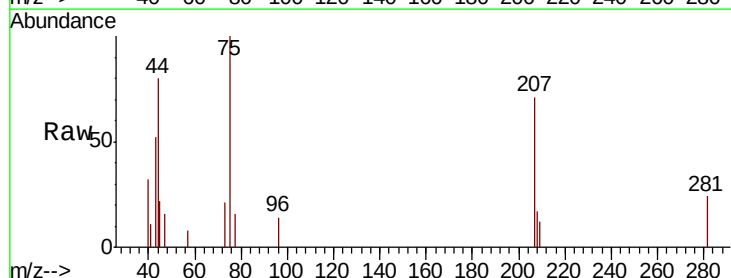
Acq: 01 Jun 2020 16:52

Tgt Ion: 43 Resp: 1177

Ion Ratio Lower Upper

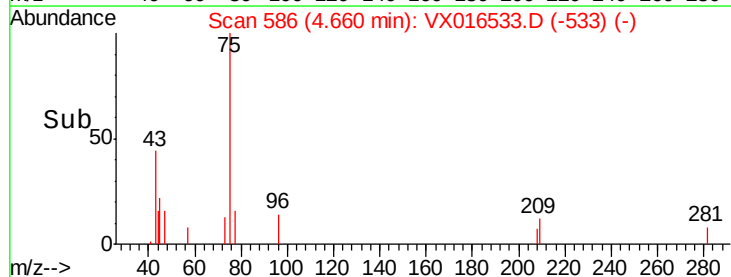
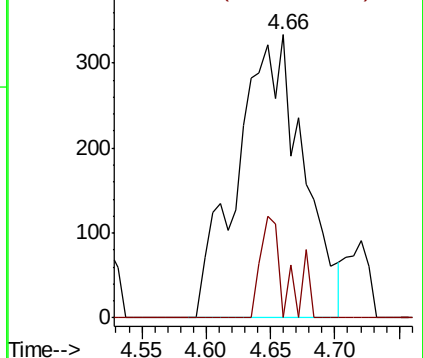
43 100

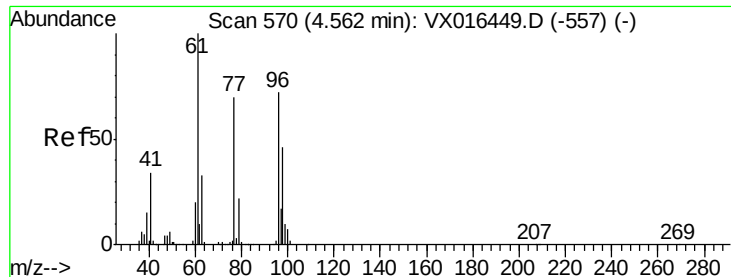
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



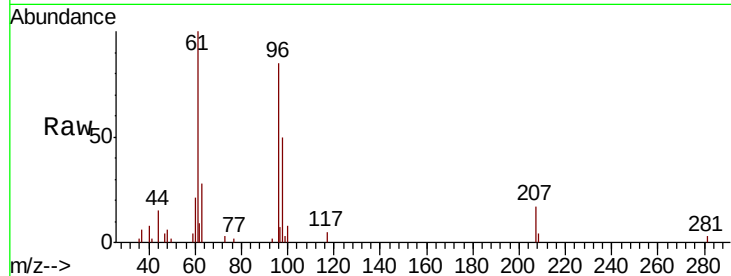


#27

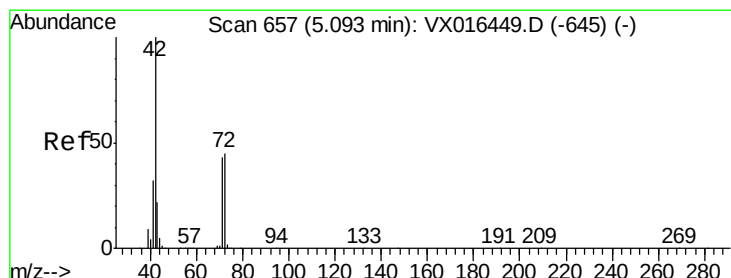
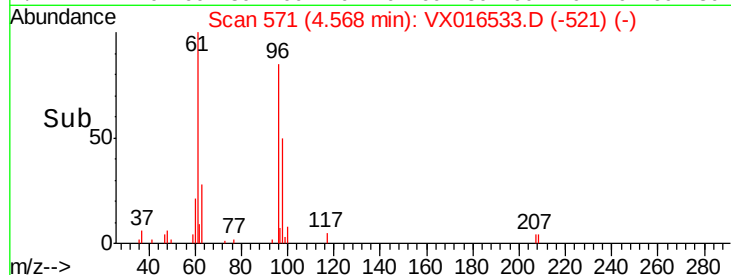
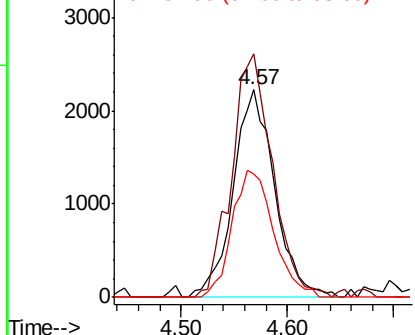
cis-1,2-Dichloroethene
 Concen: 1.930 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX016533.D
 Acq: 01 Jun 2020 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW113-200527

Tot Ion	Ratio	Lower	Upper
96	100		
61	115.5	0.0	284.6
98	60.8	0.0	127.2



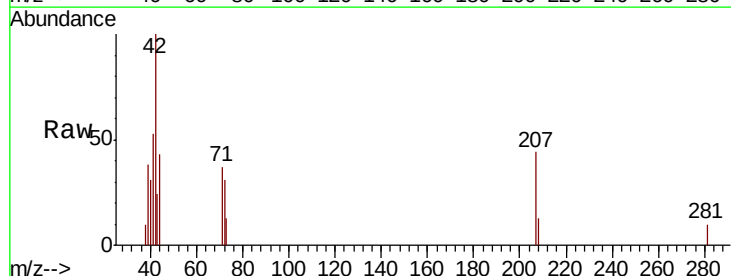
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



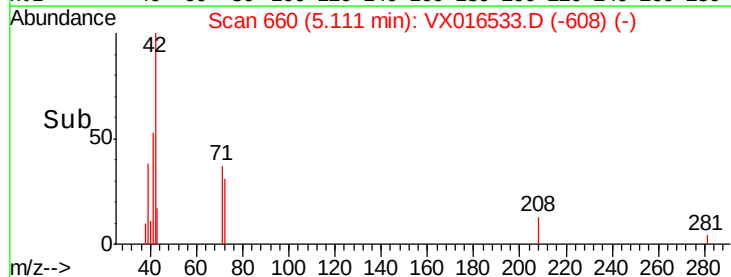
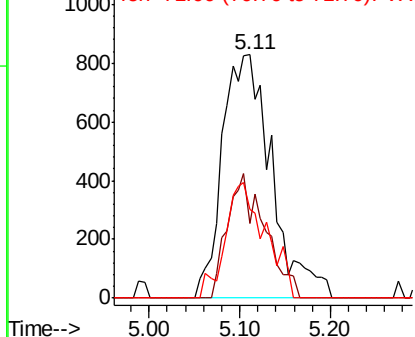
#29

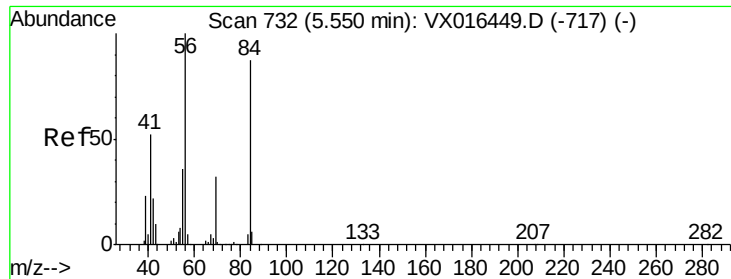
Tetrahydrofuran
 Concen: 2.051 ug/l
 RT: 5.11 min Scan# 660
 Delta R.T. 0.02 min
 Lab File: VX016533.D
 Acq: 01 Jun 2020 16:52

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.8	37.0	55.4
71	38.9	34.1	51.1



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0

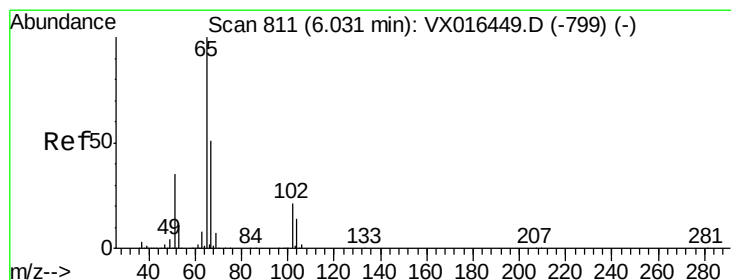
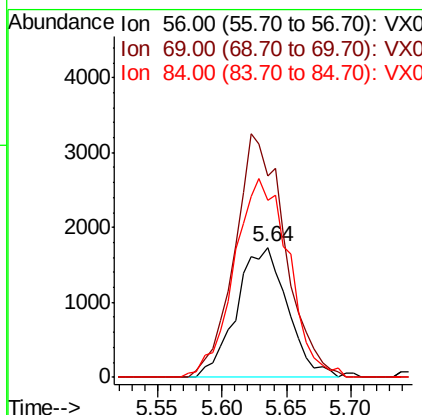
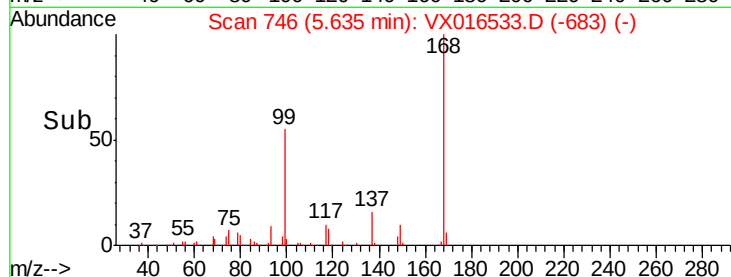
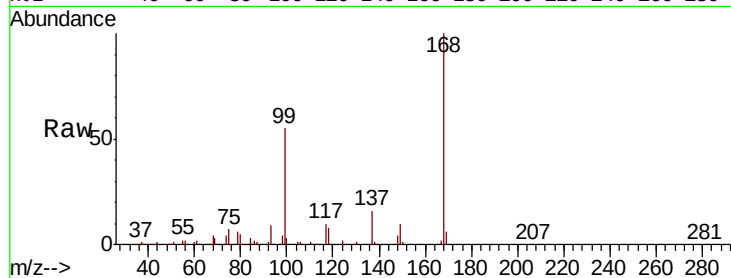




#31
Cyclohexane
Concen: 1.071 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016533.D
Acq: 01 Jun 2020 16:52

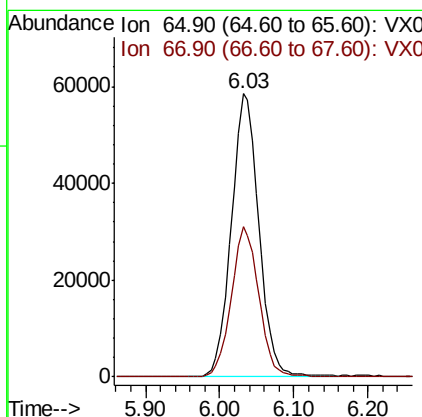
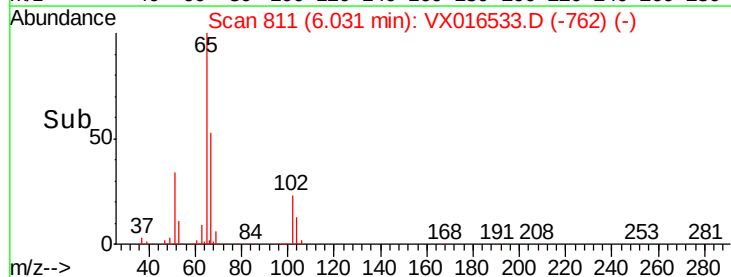
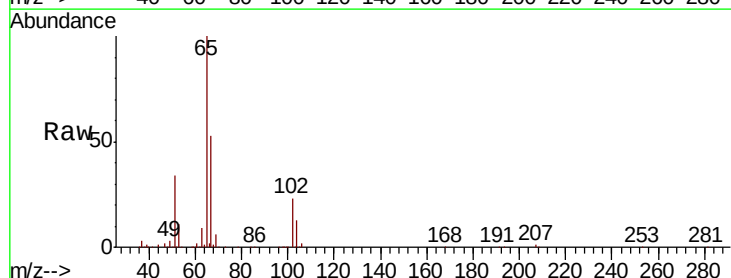
Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-200527

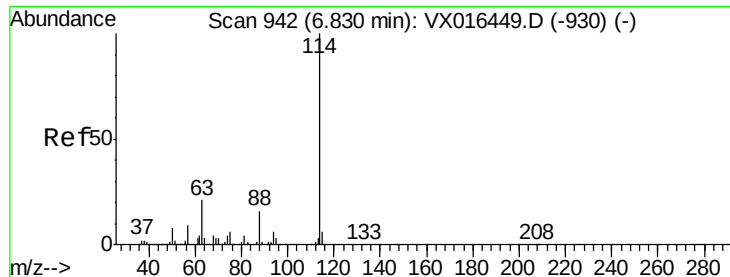
Tot Ion: 56 Resp: 4741
Ion Ratio Lower Upper
56 100
69 155.1 25.7 38.5#
84 132.6 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 47.671 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016533.D
Acq: 01 Jun 2020 16:52

Tgt Ion: 65 Resp: 151763
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8

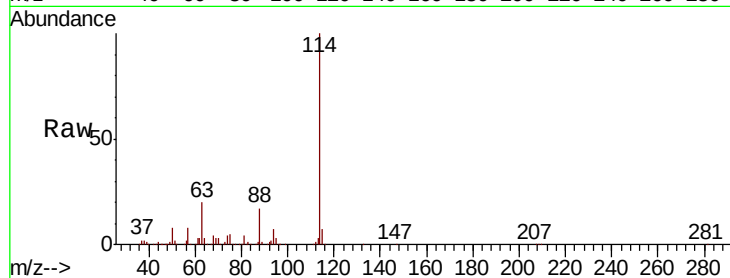




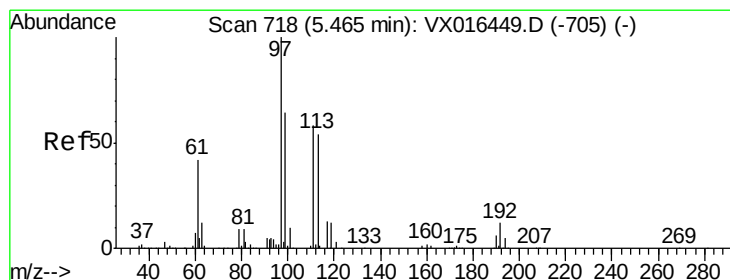
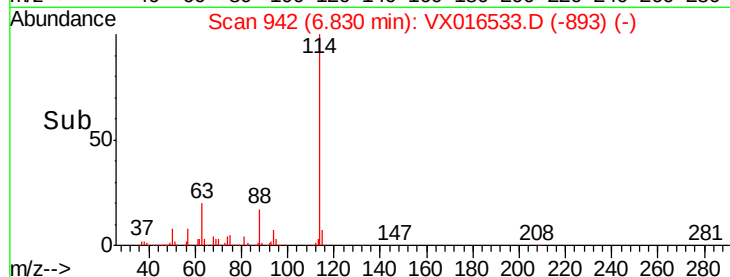
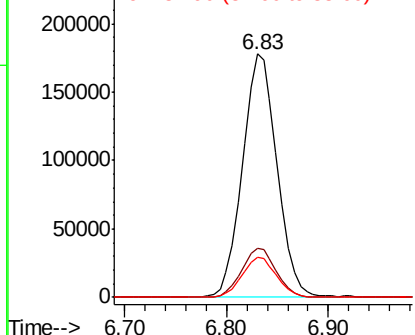
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016533.D
 Acq: 01 Jun 2020 16:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW113-200527

Tot Ion:114 Resp: 417644
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.6
 88 16.6 0.0 32.8

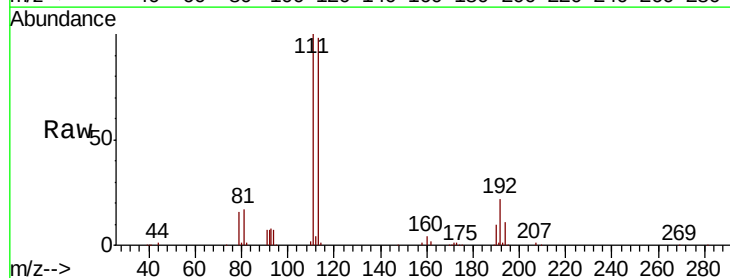


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

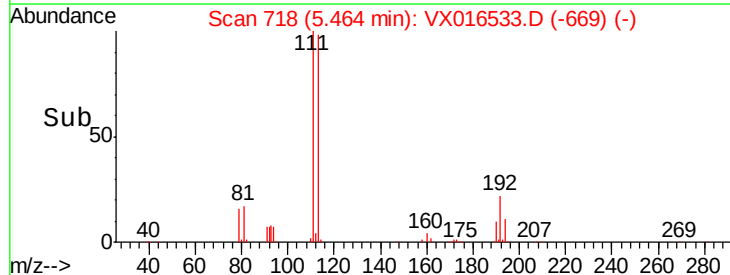
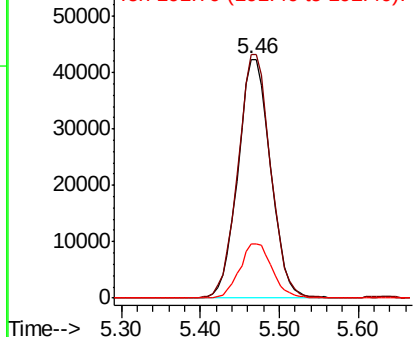


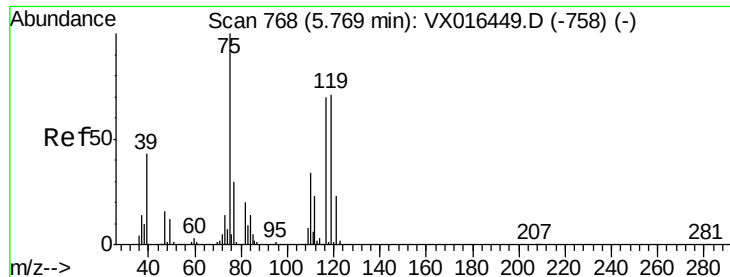
#35
 Dibromofluoromethane
 Concen: 47.480 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016533.D
 Acq: 01 Jun 2020 16:52

Tgt Ion:113 Resp: 122101
 Ion Ratio Lower Upper
 113 100
 111 102.0 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: 4.600 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016533.D

Acq: 01 Jun 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

SS050MW113-200527

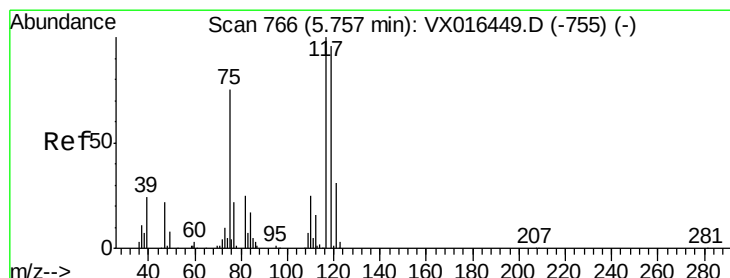
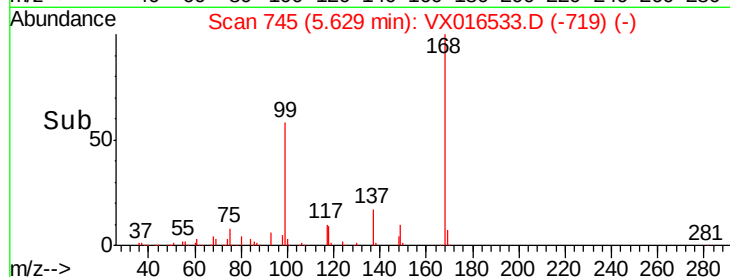
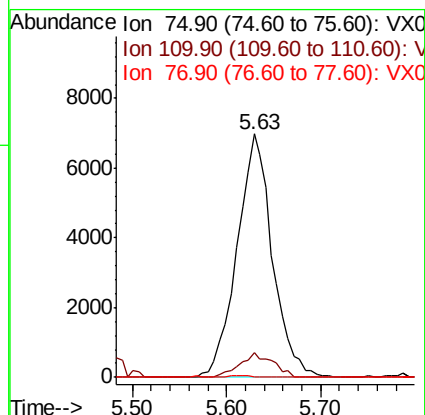
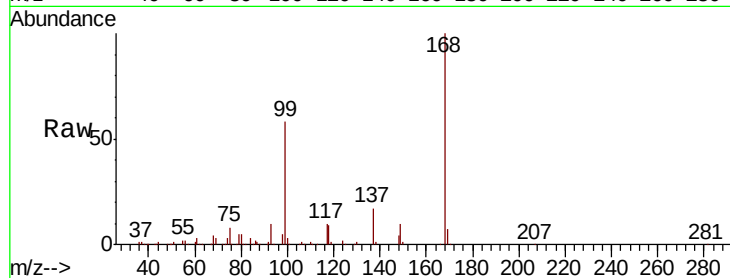
Tot Ion: 75 Resp: 18191

Ion Ratio Lower Upper

75 100

110 9.5 17.4 52.3#

77 0.4 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.003 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016533.D

Acq: 01 Jun 2020 16:52

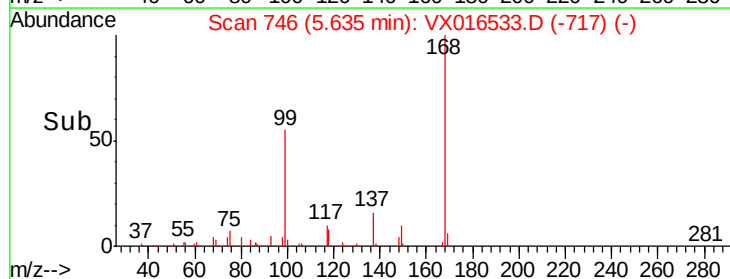
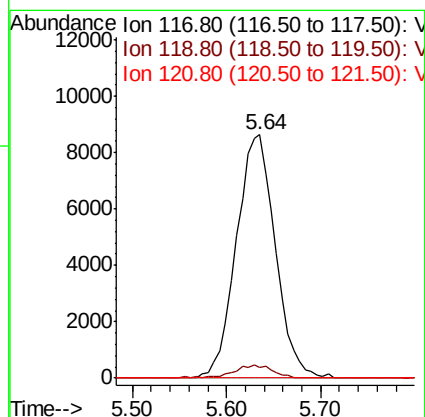
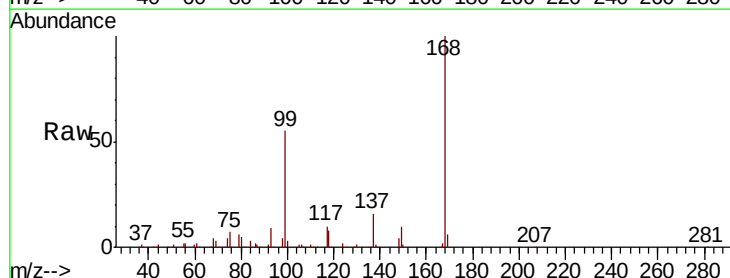
Tgt Ion: 117 Resp: 24946

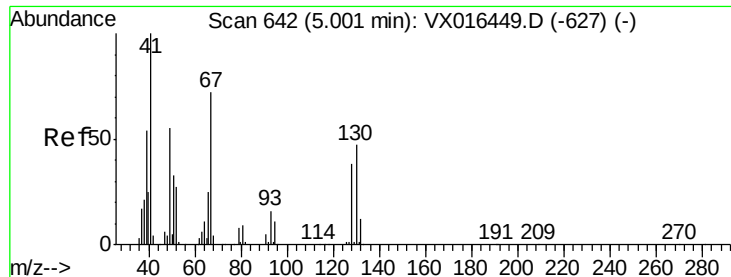
Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

121 0.0 24.6 37.0#

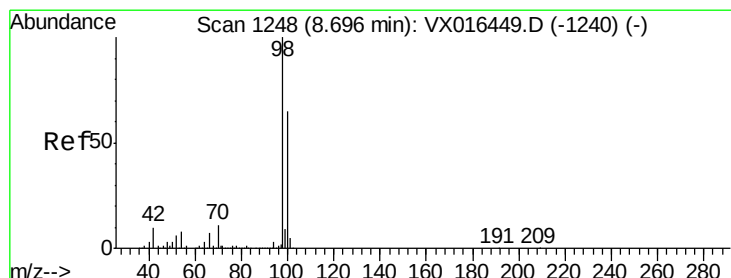
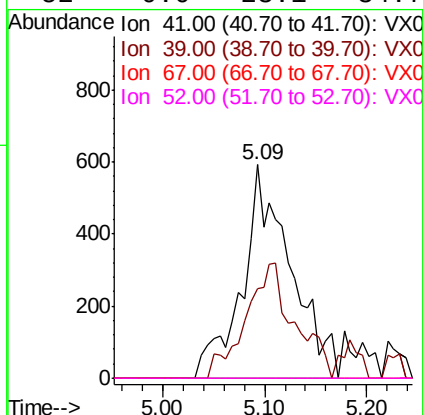
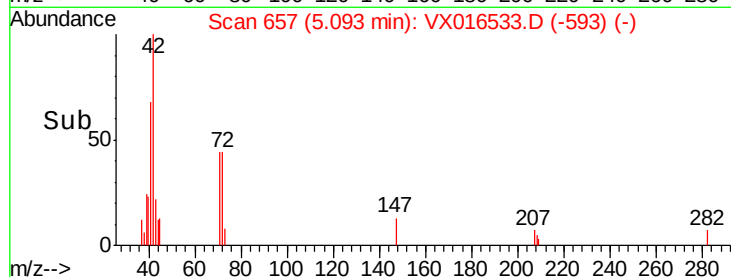
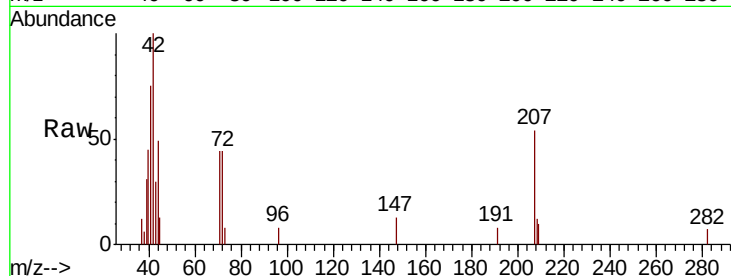




#41
Methacrylonitrile
Concen: 0.750 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.09 min
Lab File: VX016533.D
Acq: 01 Jun 2020 16:52

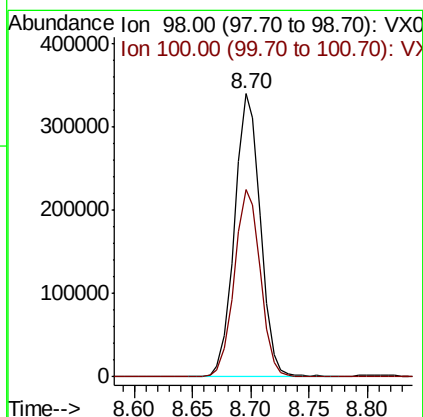
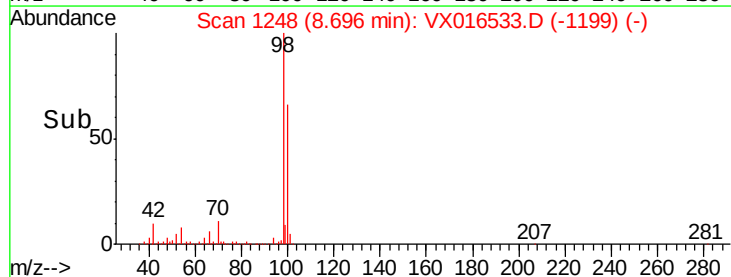
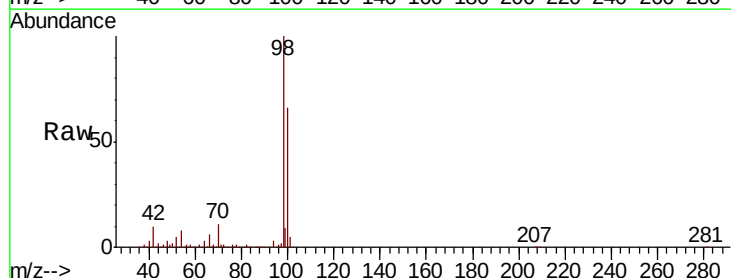
Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-200527

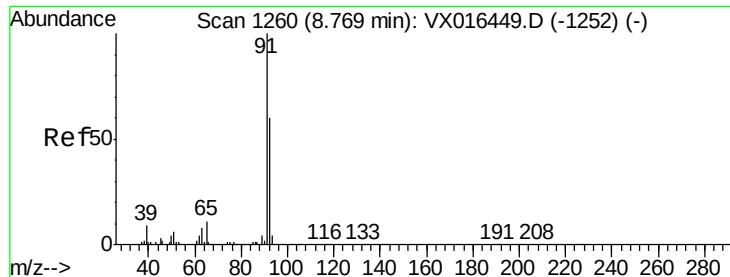
Tot Ion: 41 Resp: 1955
Ion Ratio Lower Upper
41 100
39 54.2 43.0 64.4
67 0.0 58.9 88.3#
52 0.0 23.1 34.7#



#50
Toluene-d8
Concen: 52.564 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016533.D
Acq: 01 Jun 2020 16:52

Tgt Ion: 98 Resp: 526128
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.6





#52

Toluene

Concen: 1.170 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016533.D

Acq: 01 Jun 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

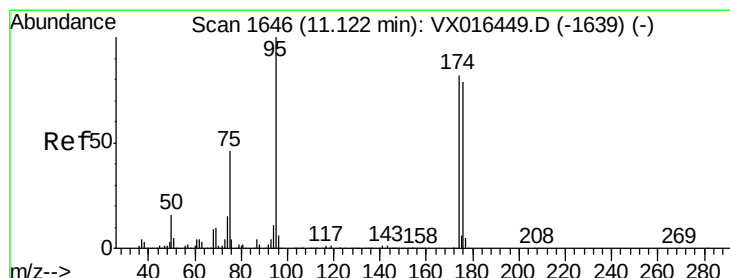
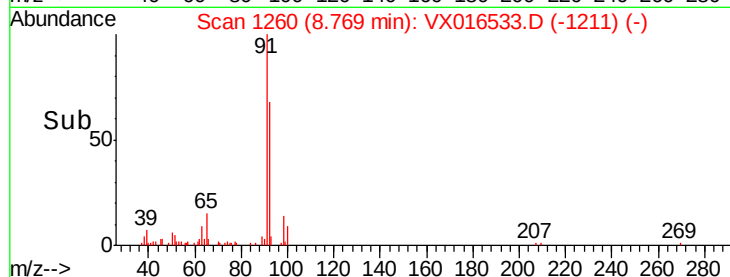
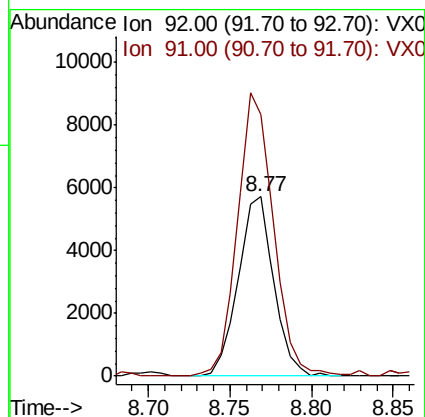
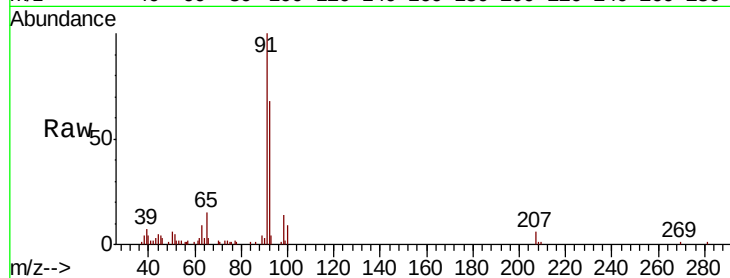
SS050MW113-200527

Tot Ion: 92 Resp: 8688

Ion Ratio Lower Upper

92 100

91 159.7 135.0 202.4



#62

4-Bromofluorobenzene

Concen: 55.289 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016533.D

Acq: 01 Jun 2020 16:52

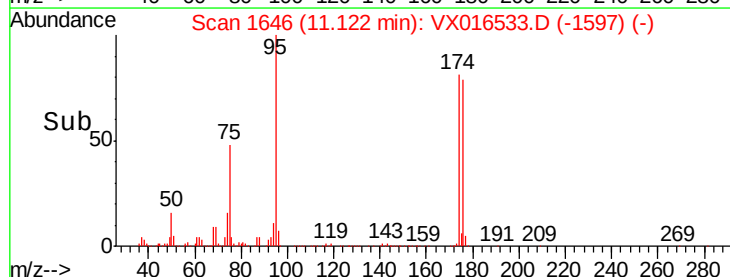
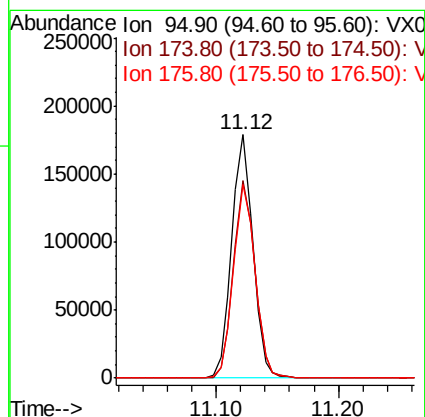
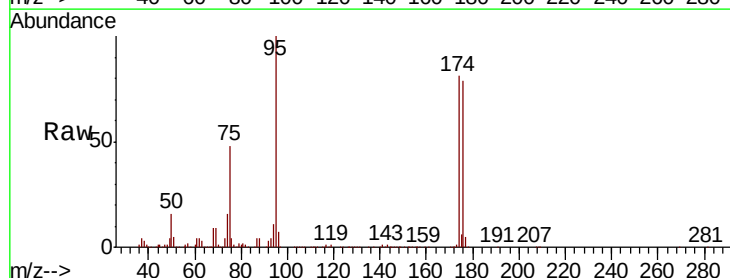
Tgt Ion: 95 Resp: 213836

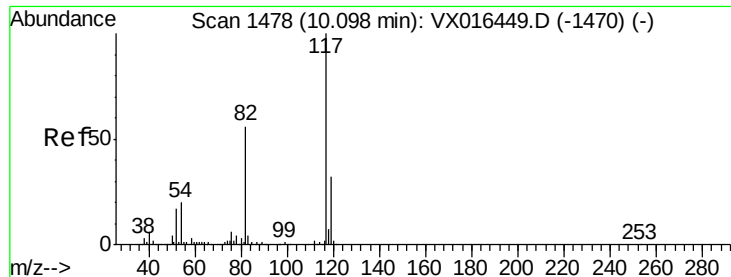
Ion Ratio Lower Upper

95 100

174 82.0 0.0 163.0

176 80.9 0.0 156.8

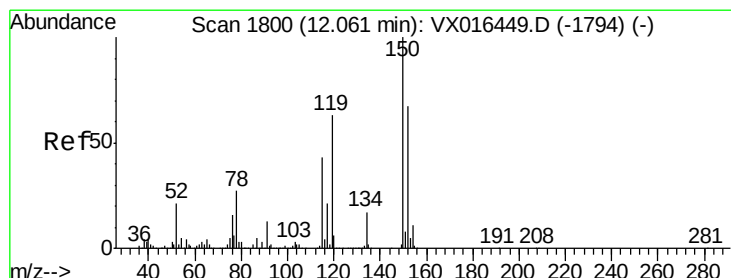
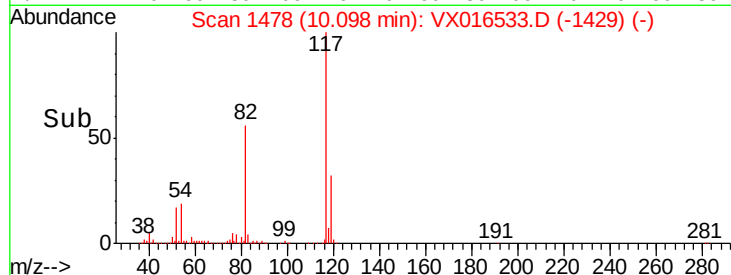
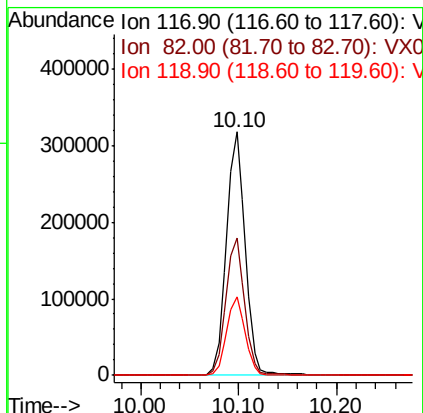
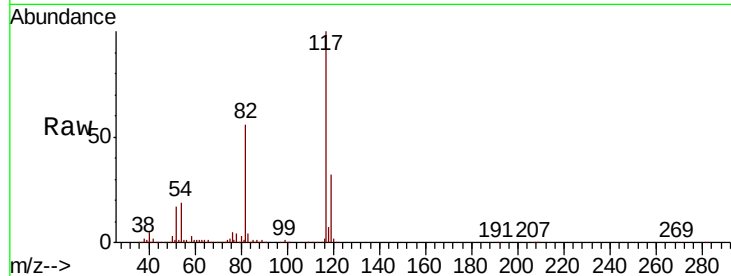




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016533.D
Acq: 01 Jun 2020 16:52

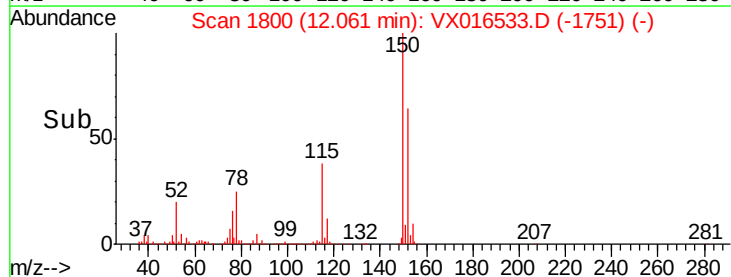
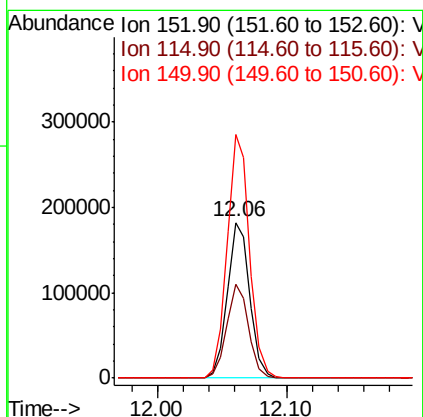
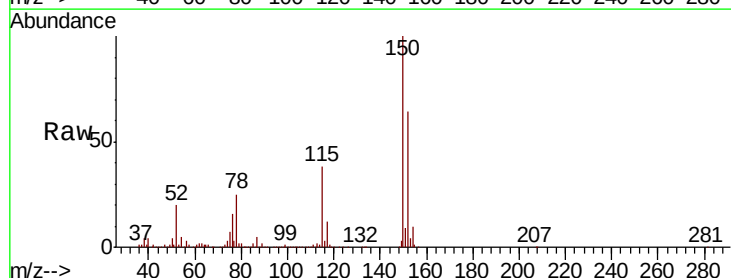
Instrument :
MSVOA_X
ClientSampleId :
SS050MW113-200527

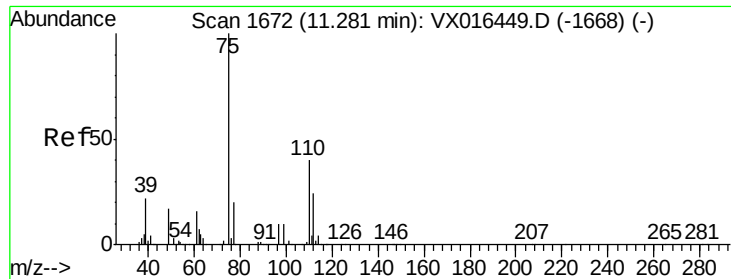
Tot Ion:117 Resp: 424399
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.6
119 32.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016533.D
Acq: 01 Jun 2020 16:52

Tgt Ion:152 Resp: 222189
Ion Ratio Lower Upper
152 100
115 59.4 39.9 119.6
150 156.5 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 21.242 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016533.D

Acq: 01 Jun 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

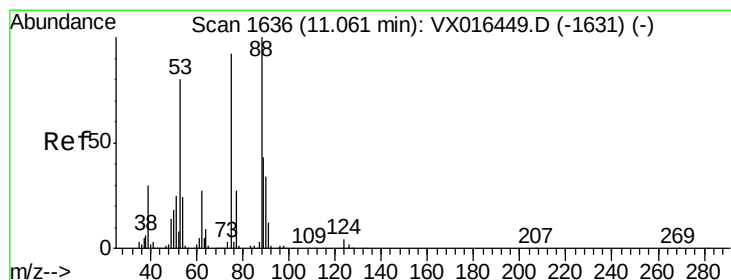
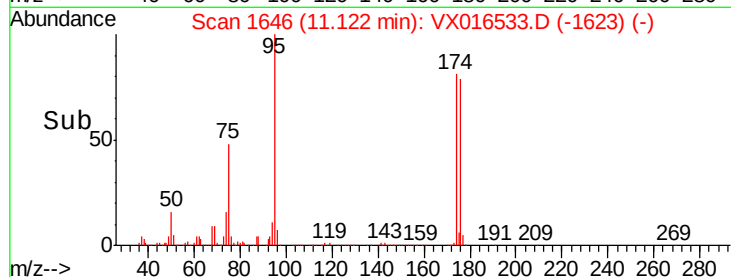
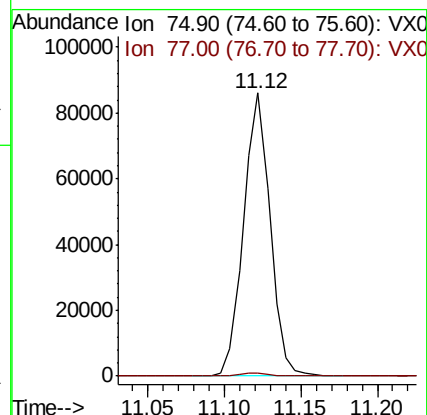
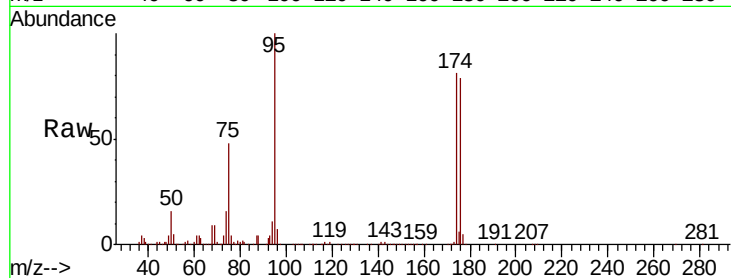
SS050MW113-200527

Tot Ion: 75 Resp: 103741

Ion Ratio Lower Upper

75 100

77 1.3 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.251 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016533.D

Acq: 01 Jun 2020 16:52

Tgt Ion: 75 Resp: 103741

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#

