

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051120\
 Data File : VX016147.D
 Acq On : 11 May 2020 14:33
 Operator : JC/SP
 Sample : L2552-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW279-200507

Quant Time: May 11 18:34:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	293487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	488749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	474629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	246858	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	180629	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	
35) Dibromofluoromethane	5.47	113	145900	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
50) Toluene-d8	8.70	98	598373	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.12	95	235554	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	

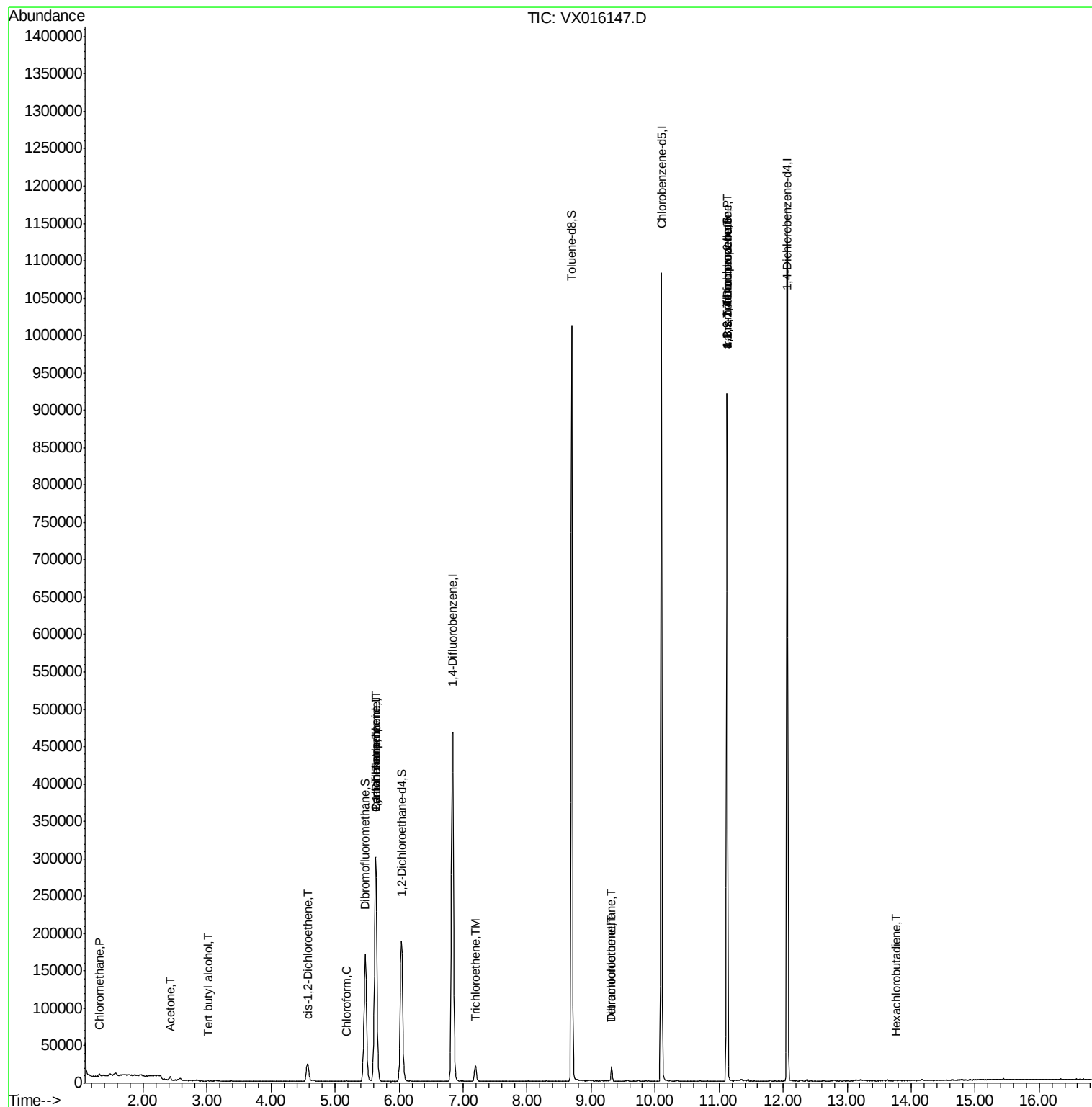
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1410	0.391	ug/l #	79
11) Tert butyl alcohol	3.01	59	428	0.438	ug/l #	72
16) Acetone	2.42	43	4943	2.869	ug/l	92
17) Carbon Disulfide	2.56	76	1724	Below Cal		100
27) cis-1,2-Dichloroethene	4.57	96	15229	4.097	ug/l	91
30) Chloroform	5.18	83	1190	0.202	ug/l #	83
31) Cyclohexane	5.64	56	5751	1.072	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22072	4.588	ug/l #	49
38) Carbon Tetrachloride	5.63	117	28635	5.856	ug/l #	14
44) Trichloroethene	7.19	130	8231	1.646	ug/l	97
60) Dibromochloromethane	9.32	129	3172	0.834	ug/l #	11
64) Tetrachloroethene	9.32	164	3643	0.625	ug/l	86
75) 1,1,2,2-Tetrachloroethane	11.12	83	169	2.099	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	118452	21.145	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	118452	50.391	ug/l #	13
94) Hexachlorobutadiene	13.77	225	114	0.568	ug/l #	59

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016147.D

Acq: 11 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

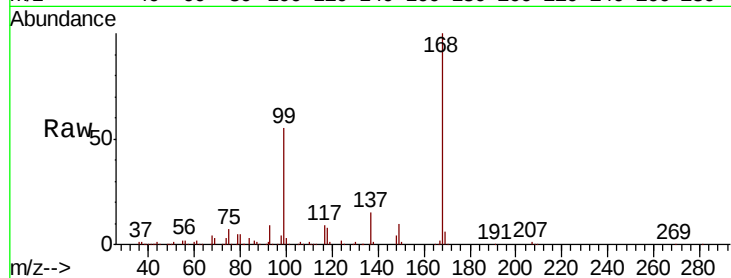
SS052MW279-200507

Tot Ion:168 Resp: 293487

Ion Ratio Lower Upper

168 100

99 54.8 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

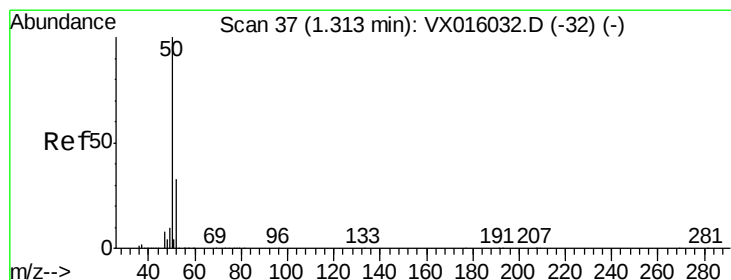
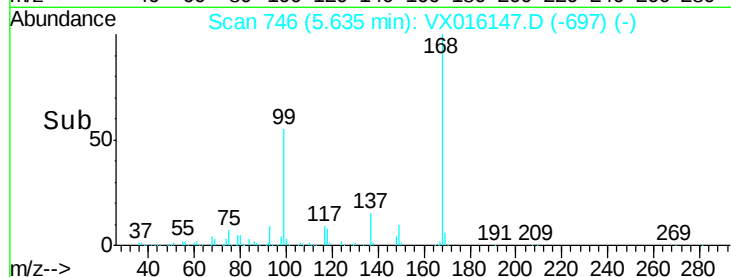
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.391 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016147.D

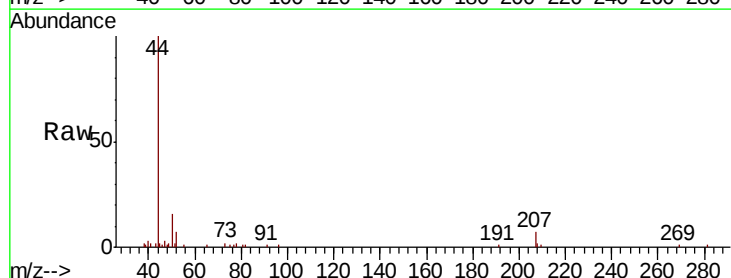
Acq: 11 May 2020 14:33

Tgt Ion: 50 Resp: 1410

Ion Ratio Lower Upper

50 100

52 44.1 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

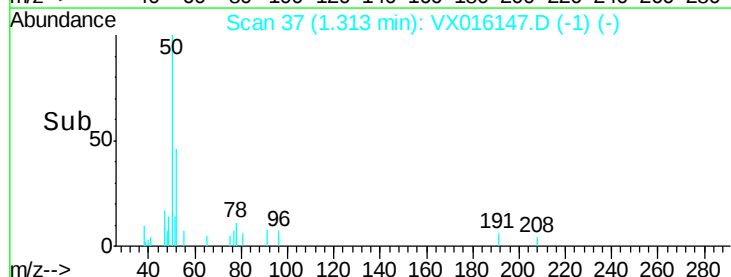
1.31

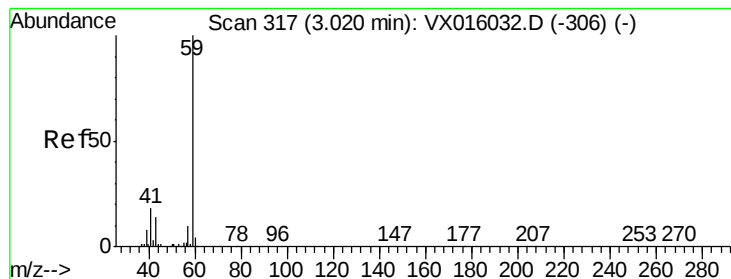
1000

500

0

Time-->



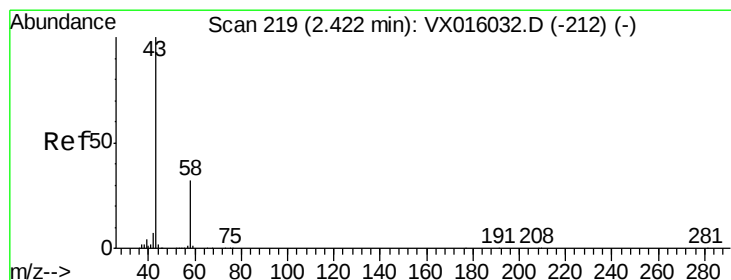
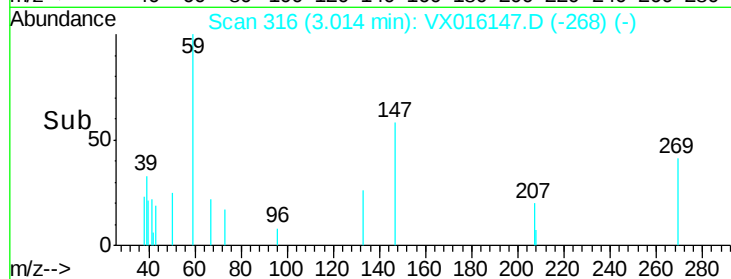
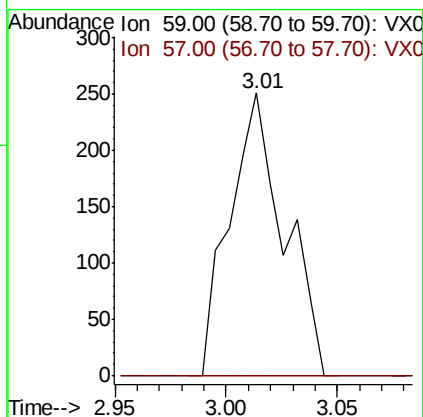
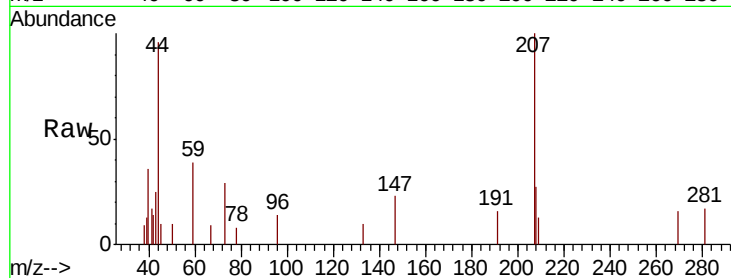


#11

Tert butyl alcohol
 Concen: 0.438 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016147.D
 Acq: 11 May 2020 14:33

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW279-200507

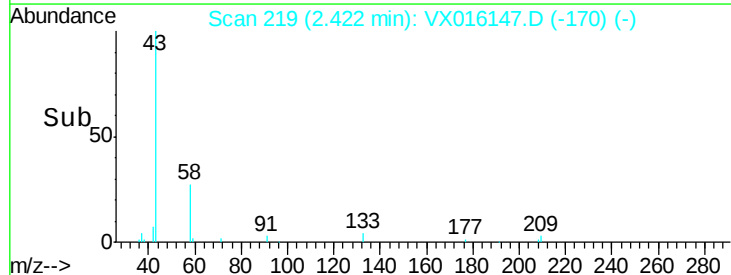
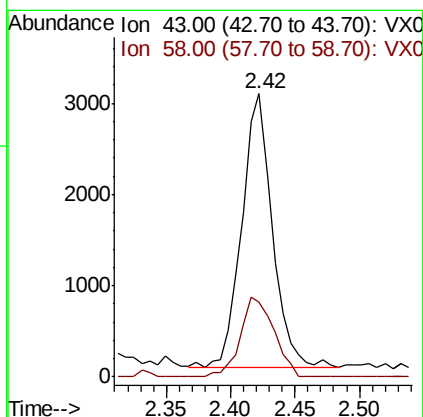
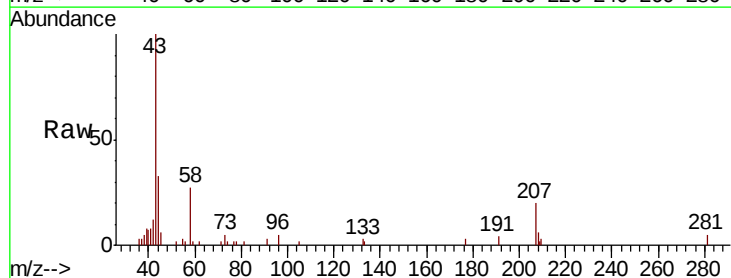
Tot Ion: 59 Resp: 428
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

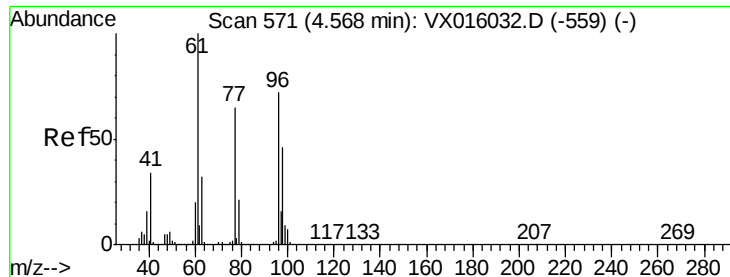


#16

Acetone
 Concen: 2.869 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX016147.D
 Acq: 11 May 2020 14:33

Tgt Ion: 43 Resp: 4943
 Ion Ratio Lower Upper
 43 100
 58 27.4 25.4 38.0



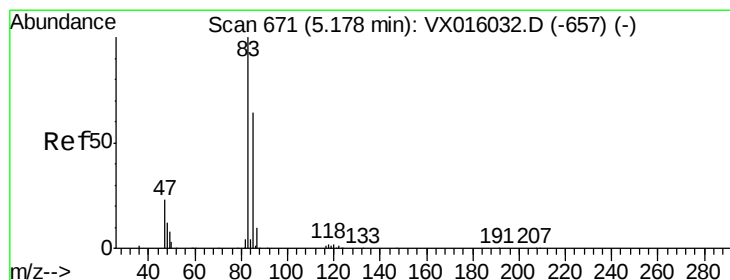
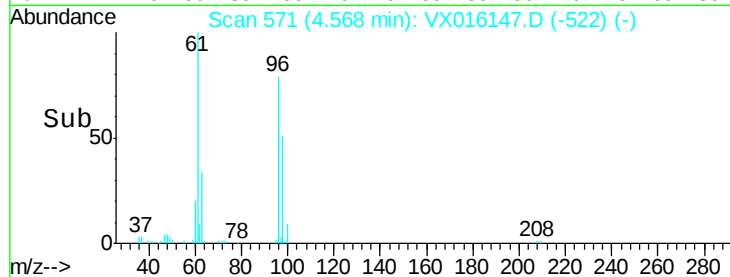
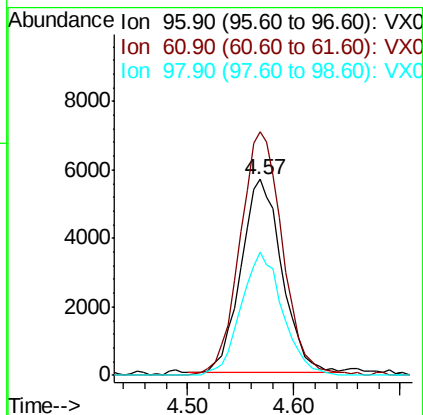
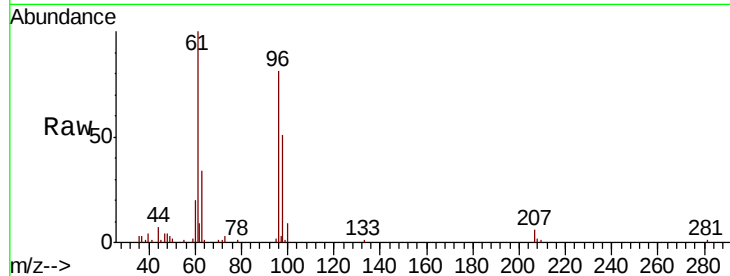


#27

cis-1,2-Dichloroethene
Concen: 4.097 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016147.D
Acq: 11 May 2020 14:33

Instrument :
MSVOA_X
ClientSampleId :
SS052MW279-200507

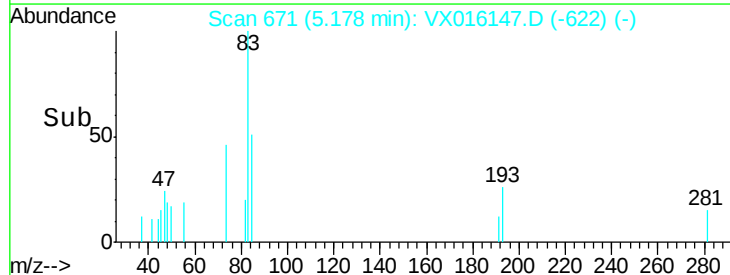
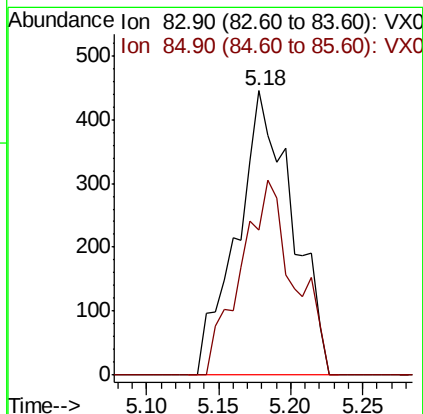
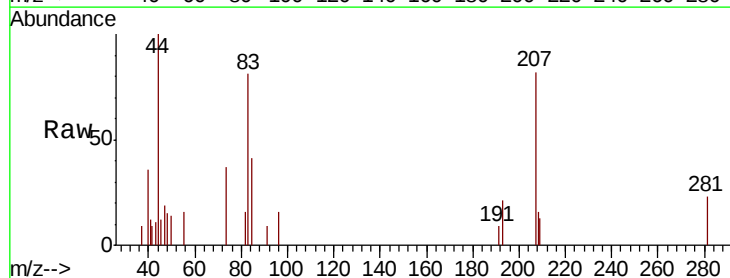
Tot Ion: 96 Resp: 15229
Ion Ratio Lower Upper
96 100
61 131.3 0.0 296.2
98 64.8 0.0 129.4

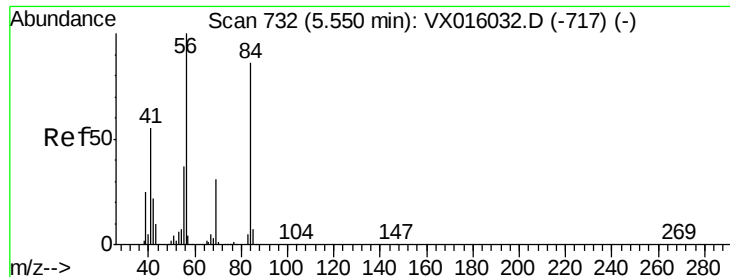


#30

Chloroform
Concen: 0.202 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016147.D
Acq: 11 May 2020 14:33

Tgt Ion: 83 Resp: 1190
Ion Ratio Lower Upper
83 100
85 50.9 51.6 77.4#

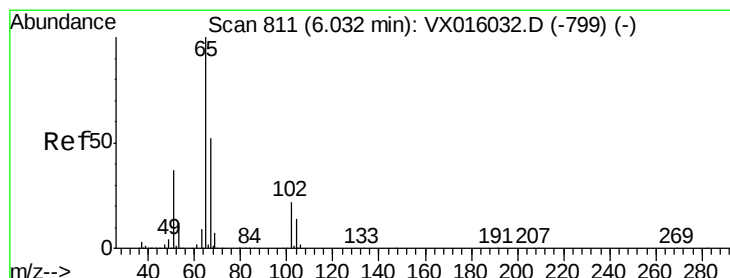
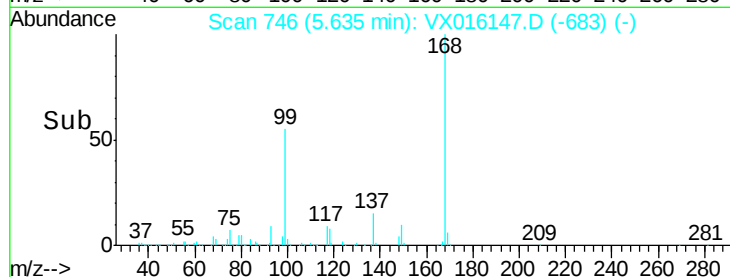
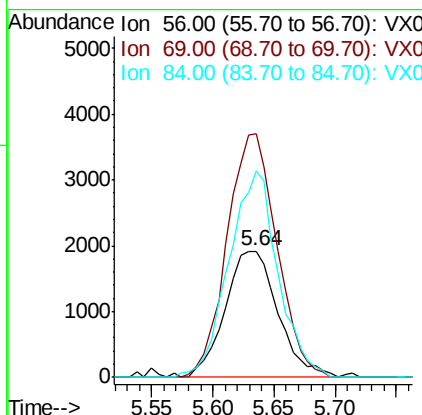
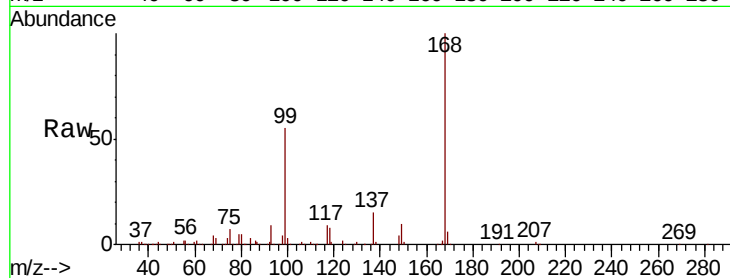




#31
Cvclohexane
Concen: 1.072 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016147.D
Acq: 11 May 2020 14:33

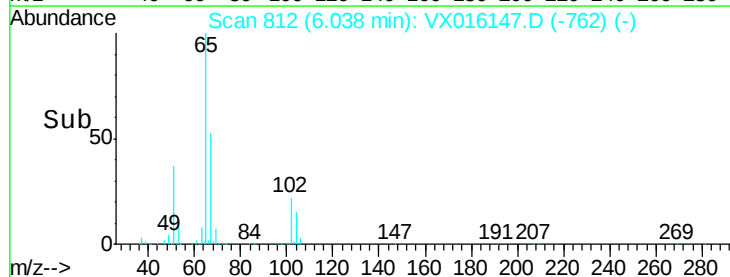
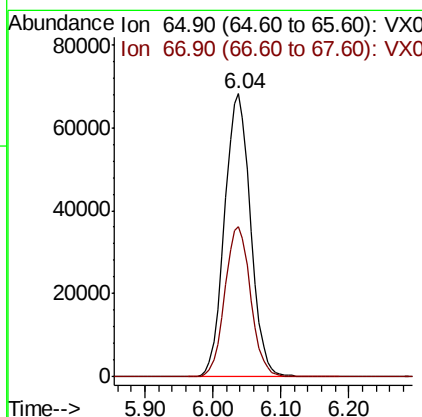
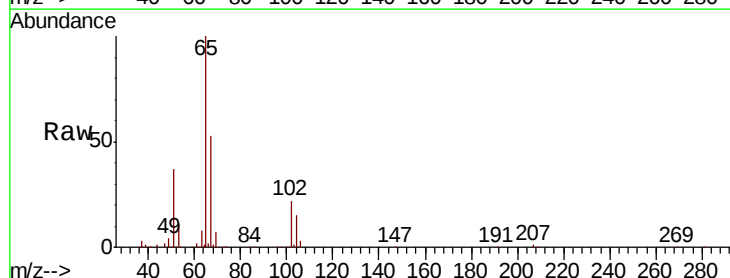
Instrument :
MSVOA_X
ClientSampleId :
SS052MW279-200507

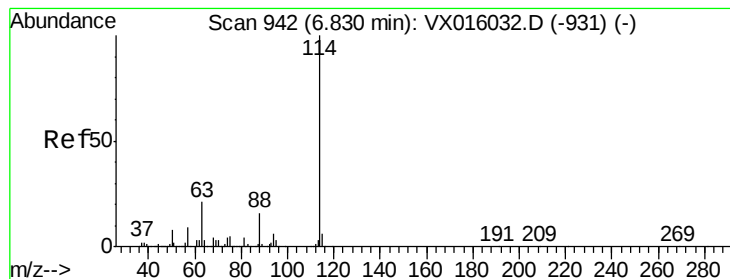
Tot Ion: 56 Resp: 5751
Ion Ratio Lower Upper
56 100
69 192.5 25.0 37.6#
84 163.1 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 46.771 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016147.D
Acq: 11 May 2020 14:33

Tgt Ion: 65 Resp: 180629
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016147.D

Acq: 11 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW279-200507

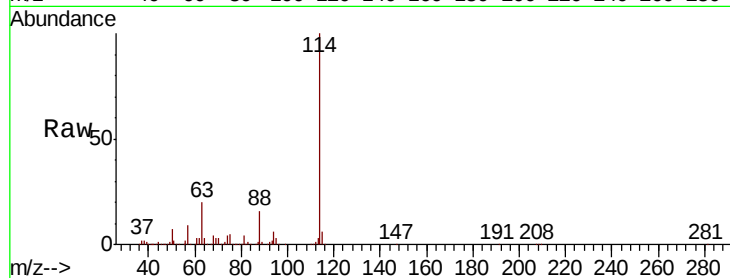
Tot Ion:114 Resp: 488749

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

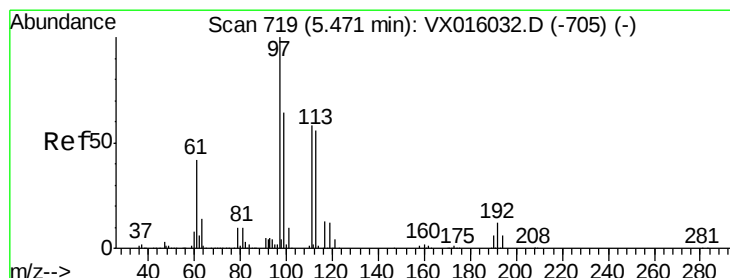
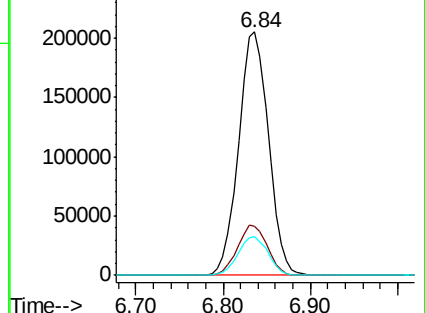
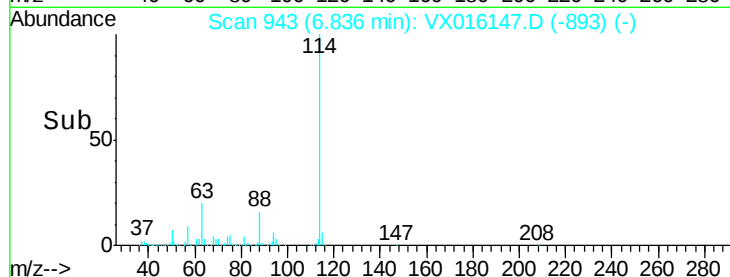
88 15.9 0.0 31.4



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: 47.119 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016147.D

Acq: 11 May 2020 14:33

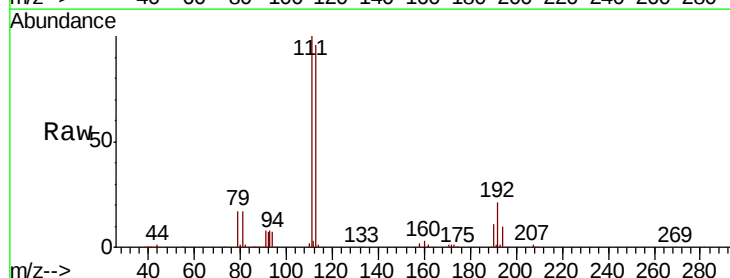
Tgt Ion:113 Resp: 145900

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

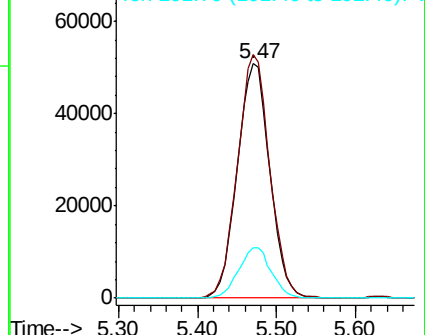
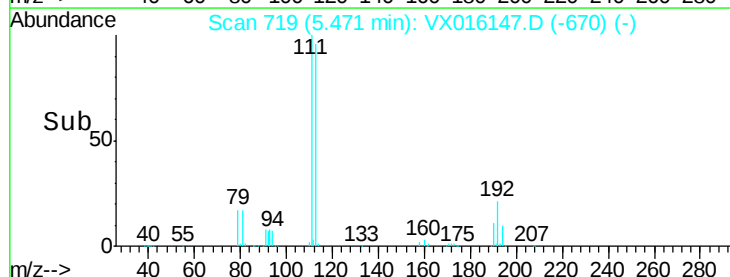
192 21.6 17.0 25.4

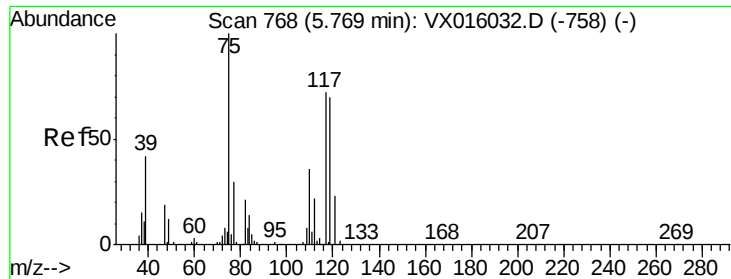


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.588 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016147.D

Acq: 11 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW279-200507

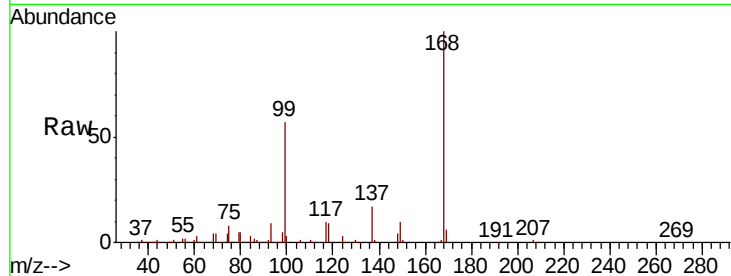
Tot Ion: 75 Resp: 22072

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.1#

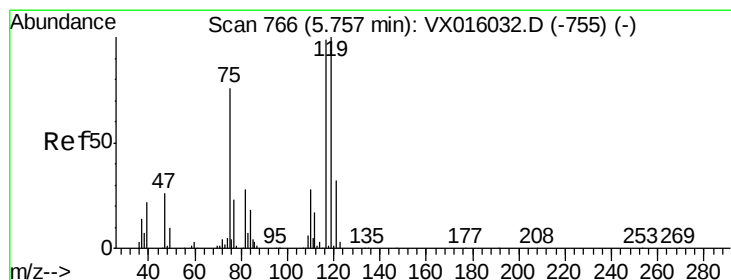
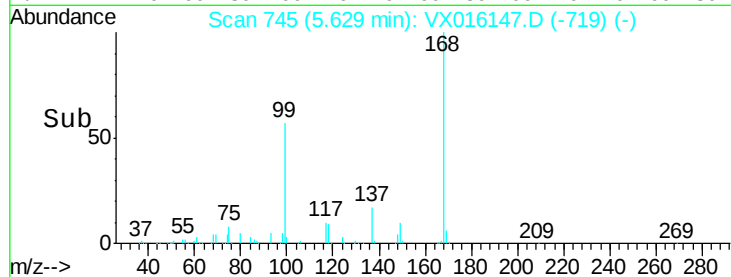
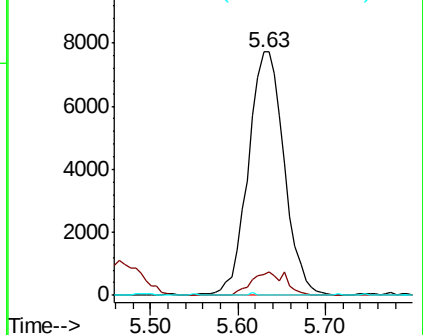
77 0.1 25.0 37.6#



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: 5.856 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016147.D

Acq: 11 May 2020 14:33

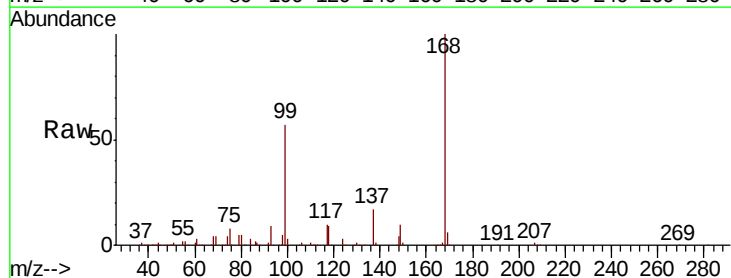
Tgt Ion: 117 Resp: 28635

Ion Ratio Lower Upper

117 100

119 4.8 80.3 120.5#

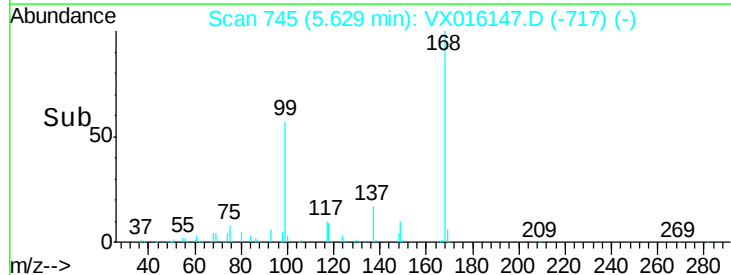
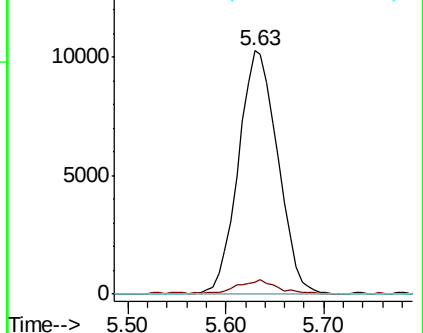
121 0.0 25.7 38.5#

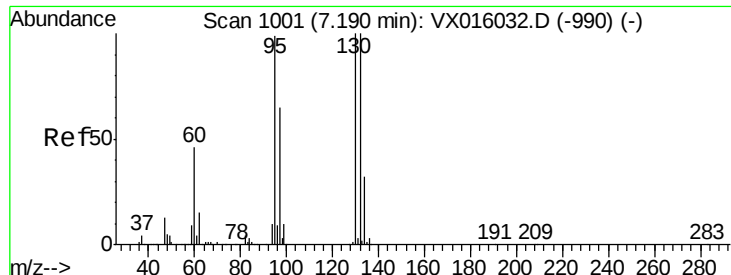


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 1.646 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016147.D

Acq: 11 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

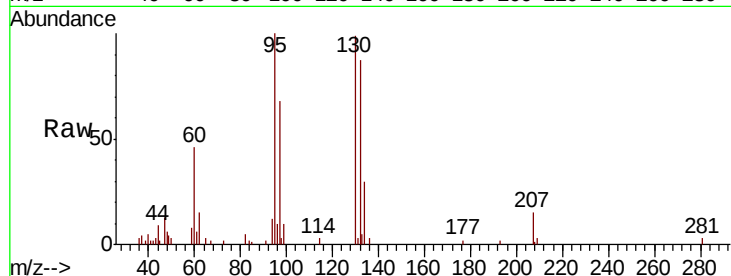
SS052MW279-200507

Tot Ion:130 Resp: 8231

Ion Ratio Lower Upper

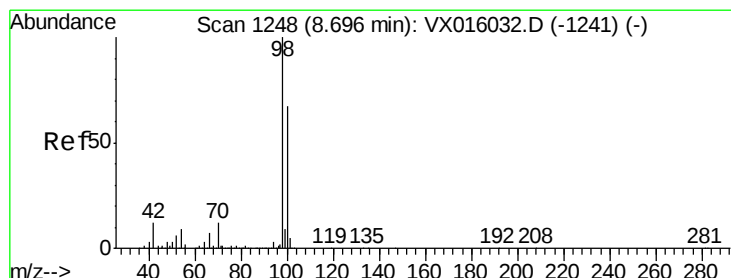
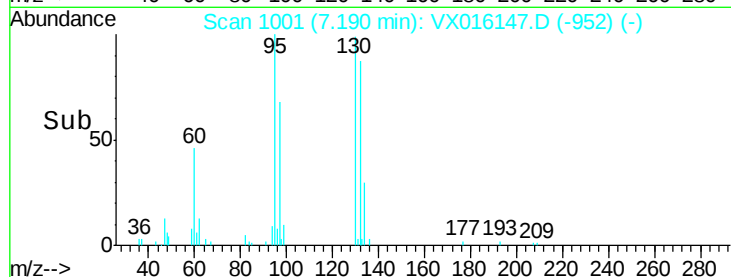
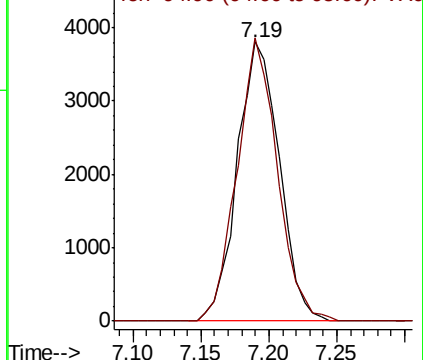
130 100

95 101.4 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.154 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016147.D

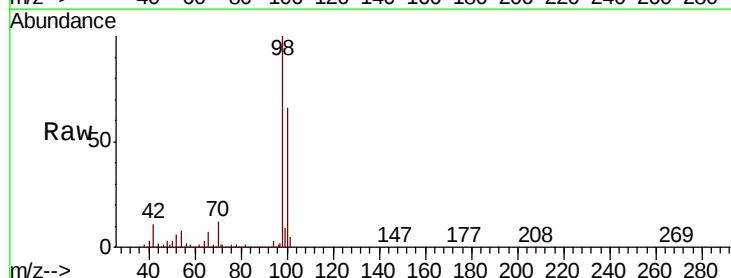
Acq: 11 May 2020 14:33

Tgt Ion: 98 Resp: 598373

Ion Ratio Lower Upper

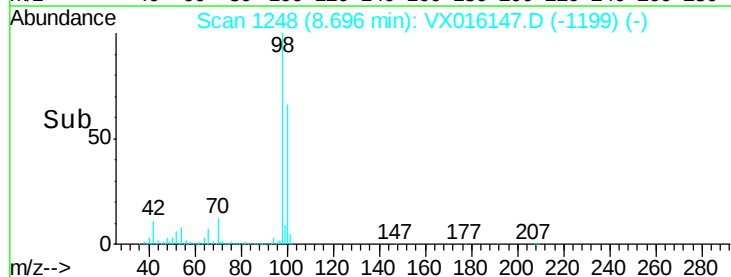
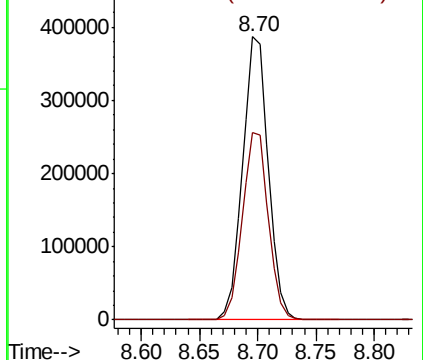
98 100

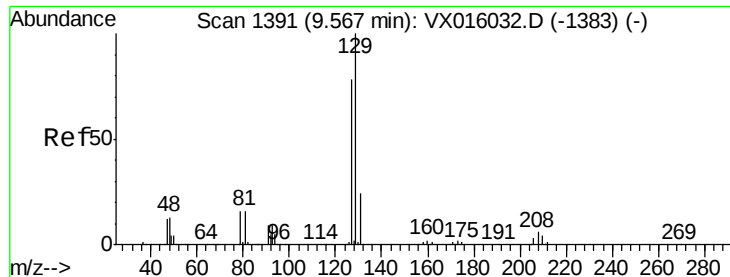
100 66.6 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.834 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. -0.24 min

Lab File: VX016147.D

Acq: 11 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

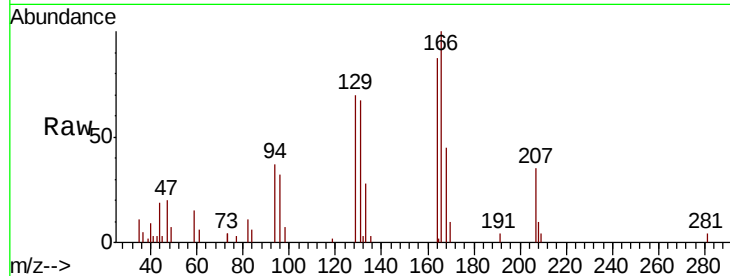
SS052MW279-200507

Tot Ion:129 Resp: 3172

Ion Ratio Lower Upper

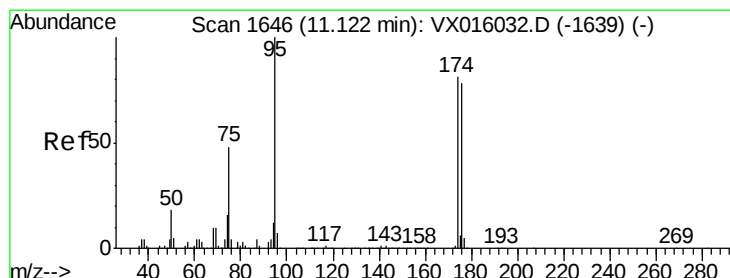
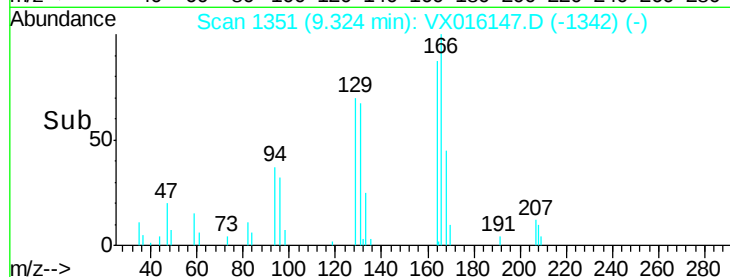
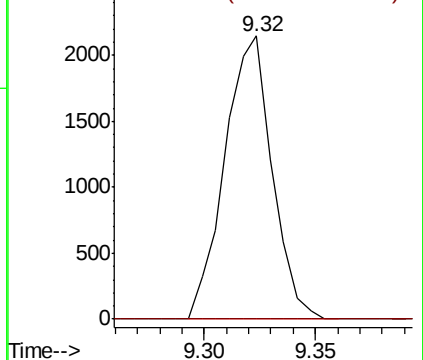
129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 51.908 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016147.D

Acq: 11 May 2020 14:33

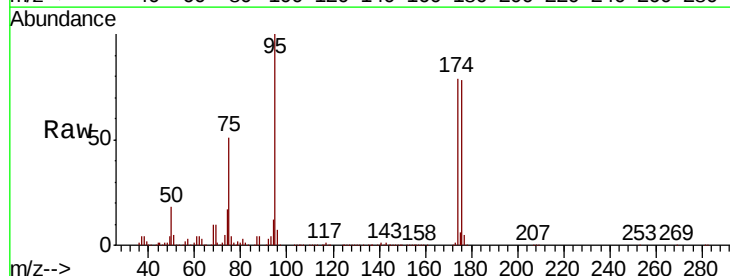
Tgt Ion: 95 Resp: 235554

Ion Ratio Lower Upper

95 100

174 81.0 0.0 159.4

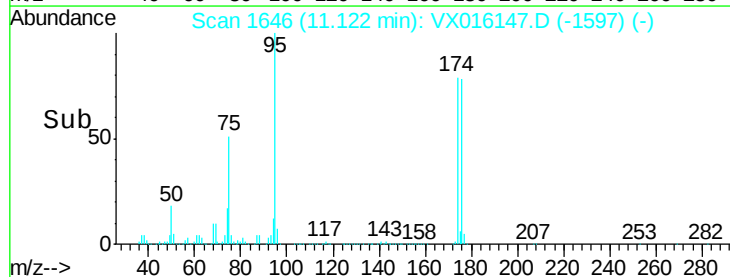
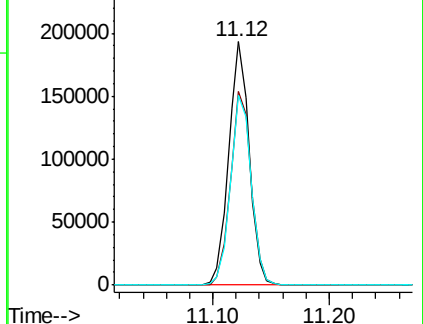
176 79.5 0.0 157.6

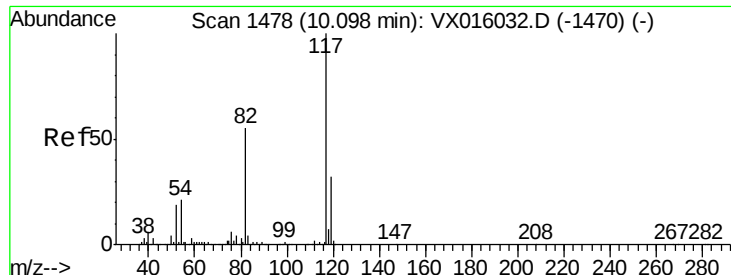


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

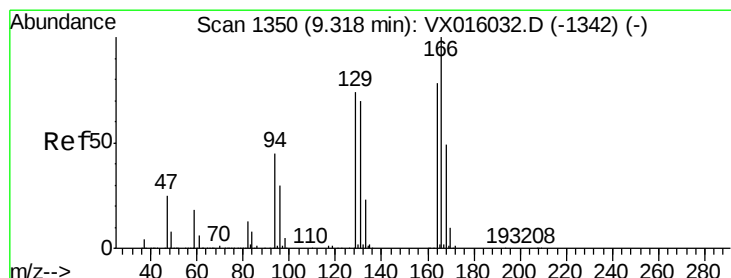
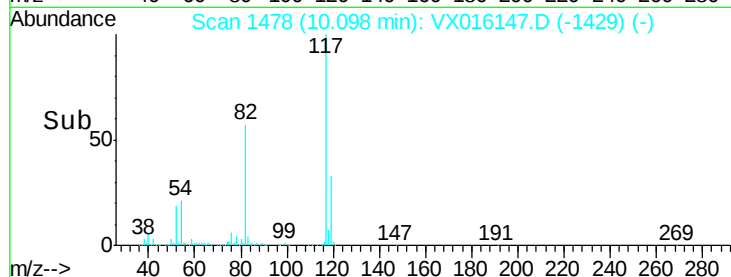
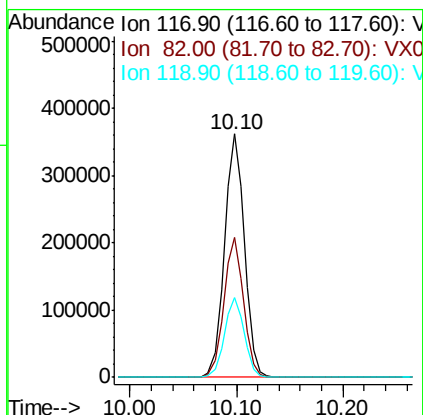
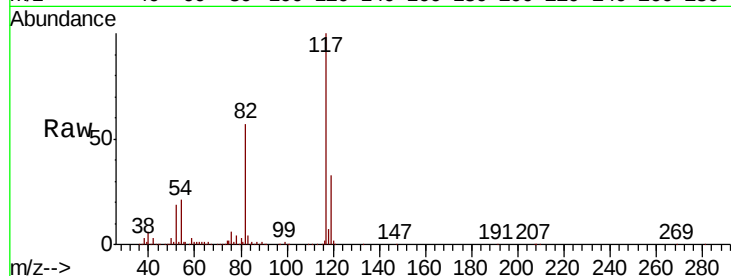




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016147.D
Acq: 11 May 2020 14:33

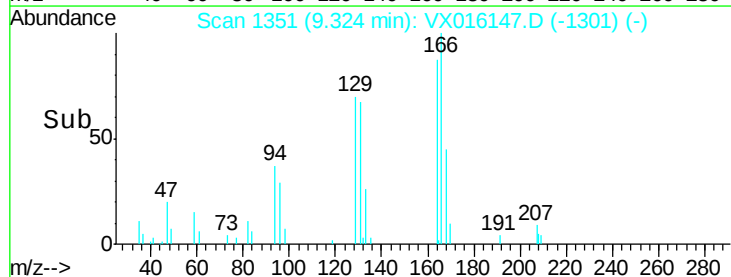
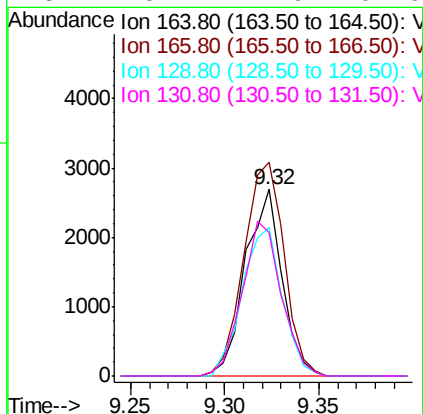
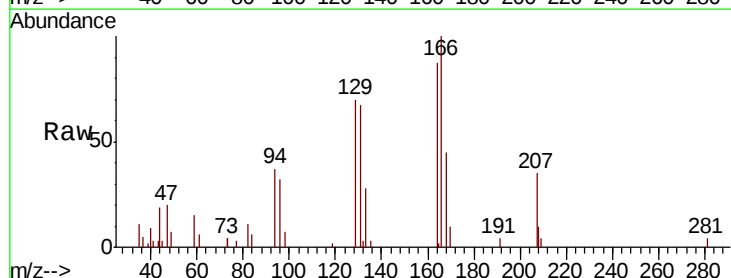
Instrument :
MSVOA_X
ClientSampleId :
SS052MW279-200507

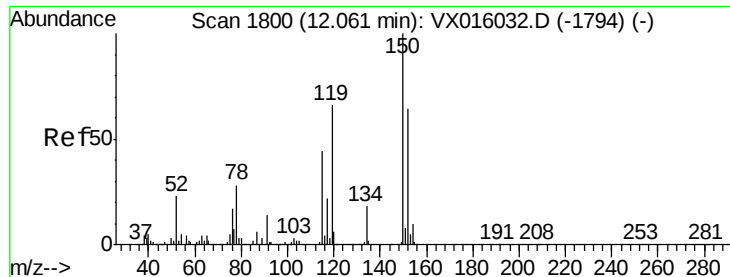
Tot Ion:117 Resp: 474629
Ion Ratio Lower Upper
117 100
82 57.3 44.4 66.6
119 32.7 25.5 38.3



#64
Tetrachloroethene
Concen: 0.625 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX016147.D
Acq: 11 May 2020 14:33

Tgt Ion:164 Resp: 3643
Ion Ratio Lower Upper
164 100
166 114.4 102.9 154.3
129 79.7 76.1 114.1
131 76.7 71.9 107.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016147.D

Acq: 11 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

SS052MW279-200507

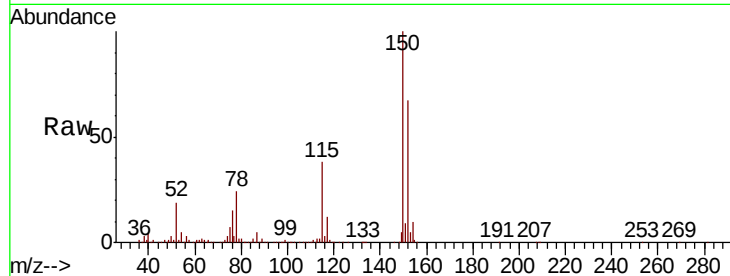
Tot Ion:152 Resp: 246858

Ion Ratio Lower Upper

152 100

115 58.7 41.3 124.1

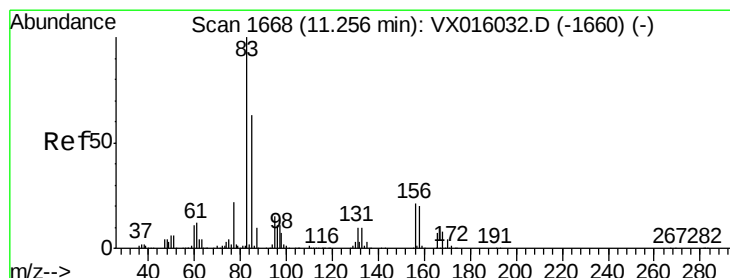
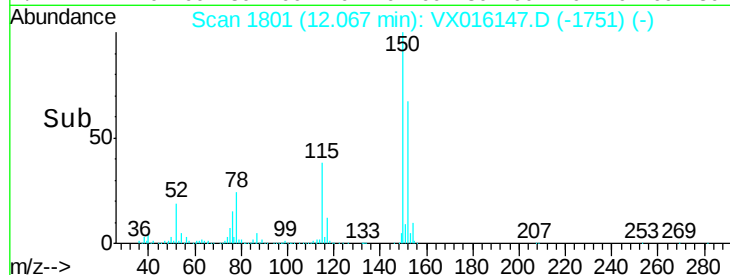
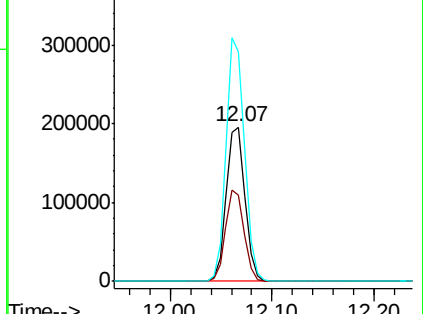
150 155.3 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.099 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016147.D

Acq: 11 May 2020 14:33

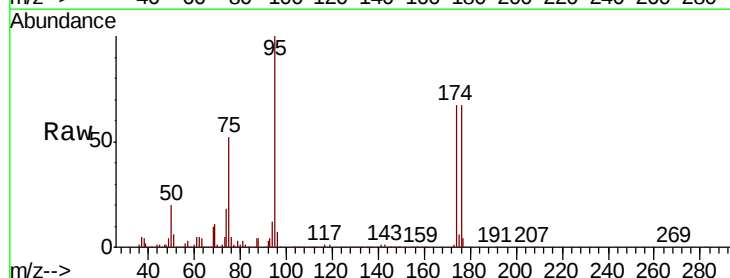
Tgt Ion: 83 Resp: 169

Ion Ratio Lower Upper

83 100

131 160.4 5.1 15.4#

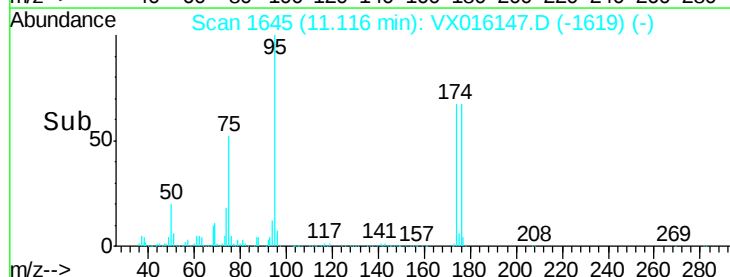
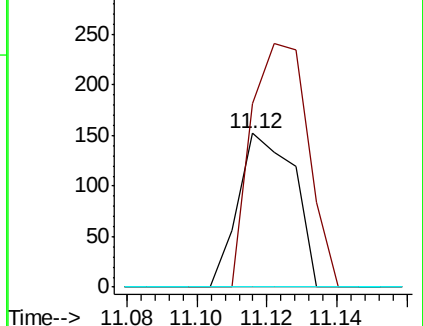
85 0.0 32.0 96.0#

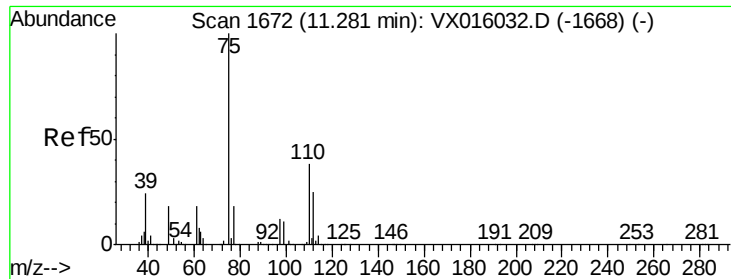


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.145 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016147.D

Acq: 11 May 2020 14:33

Instrument :

MSVOA_X

ClientSampleId :

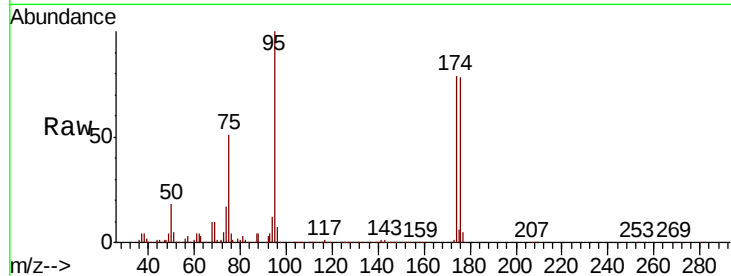
SS052MW279-200507

Tot Ion: 75 Resp: 118452

Ion Ratio Lower Upper

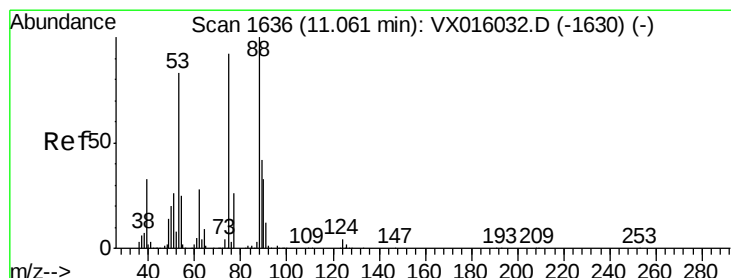
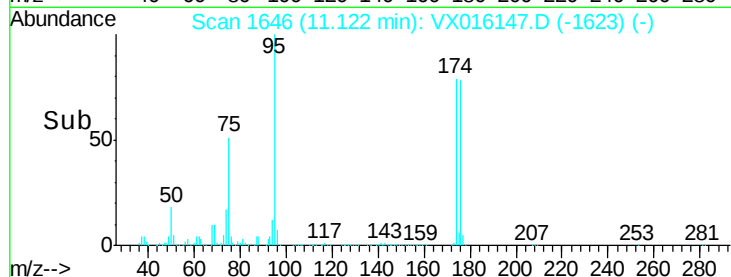
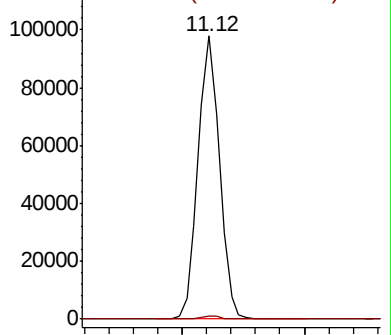
75 100

77 1.3 21.2 63.6#



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: 50.391 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016147.D

Acq: 11 May 2020 14:33

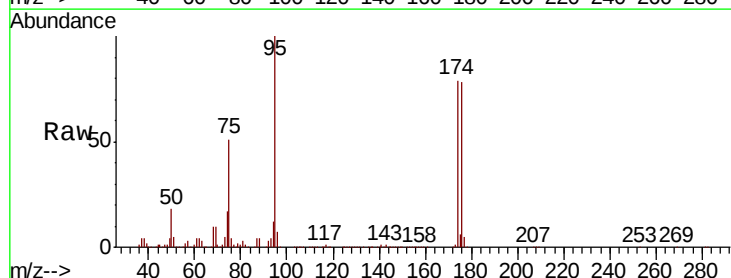
Tgt Ion: 75 Resp: 118452

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

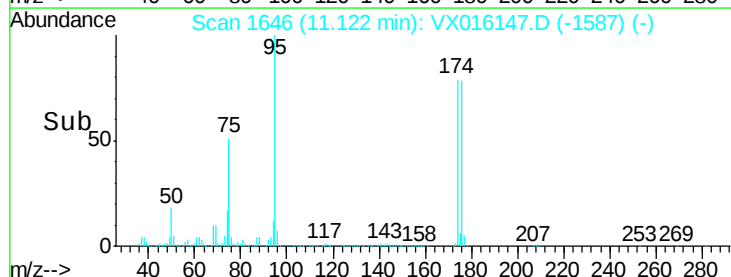
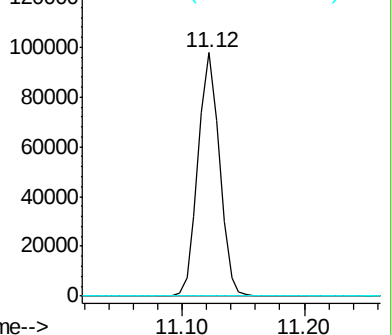
89 0.0 36.7 55.1#

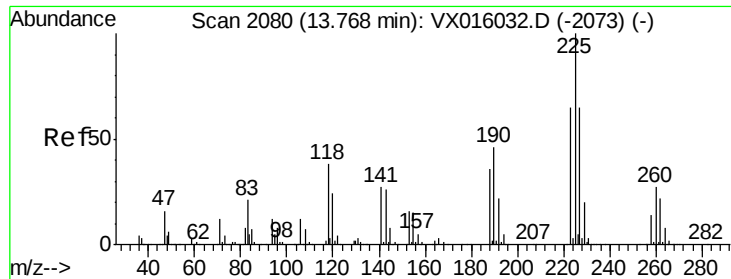


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

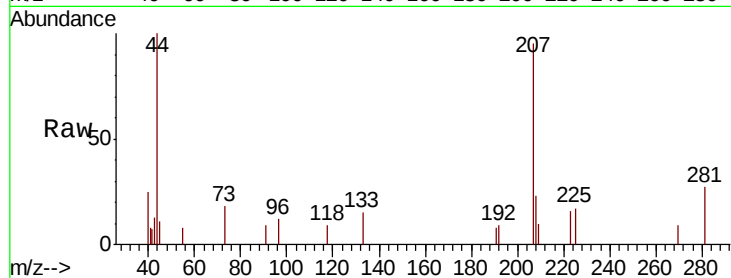




#94
 Hexachlorobutadiene
 Concen: 0.568 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016147.D
 Acq: 11 May 2020 14:33

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW279-200507

Tot Ion	Ratio	Lower	Upper
225	100		
223	64.9	32.3	96.9
227	0.0	31.8	95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

