

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016186.D
 Acq On : 13 May 2020 17:44
 Operator : JC/SP
 Sample : L2626-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW732R-200512

Quant Time: May 14 04:31:53 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	5.63	168	270714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	447433	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	440184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	226494	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	168729	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
35) Dibromofluoromethane	5.47	113	134145	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	8.70	98	549650	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.12	95	219635	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	

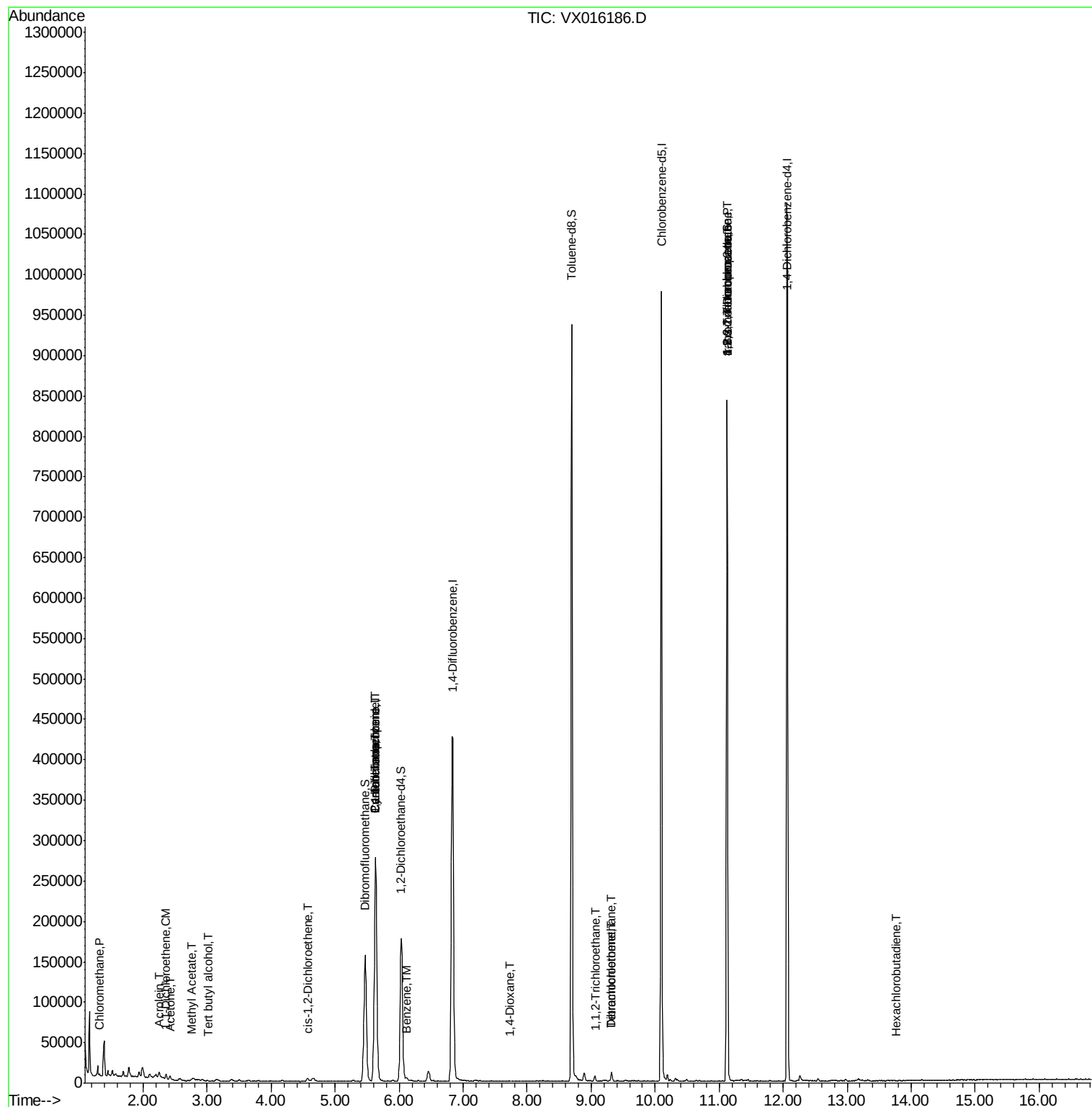
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1564	0.470	ug/l	93
11) Tert butyl alcohol	3.01	59	648	0.719	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	2030	0.721	ug/l #	75
13) Acrolein	2.26	56	331	0.587	ug/l #	1
16) Acetone	2.42	43	5138	3.233	ug/l	97
17) Carbon Disulfide	2.55	76	1212	Below Cal	#	83
18) Methyl Acetate	2.75	43	838	0.214	ug/l #	54
27) cis-1,2-Dichloroethene	4.57	96	2502	0.730	ug/l	78
31) Cyclohexane	5.63	56	5428	1.097	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20014	4.544	ug/l #	49
38) Carbon Tetrachloride	5.63	117	26399	5.897	ug/l #	14
40) Benzene	6.12	78	4124	0.320	ug/l	97
49) 1,4-Dioxane	7.72	88	615	6.644	ug/l #	70
55) 1,1,2-Trichloroethane	9.06	97	4108	1.300	ug/l #	19
60) Dibromochloromethane	9.32	129	1914	0.550	ug/l #	11
64) Tetrachloroethene	9.32	164	2091	0.387	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.12	83	151	2.098	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	107969	21.007	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	107969	50.061	ug/l #	13
94) Hexachlorobutadiene	13.76	225	32	0.537	ug/l #	18

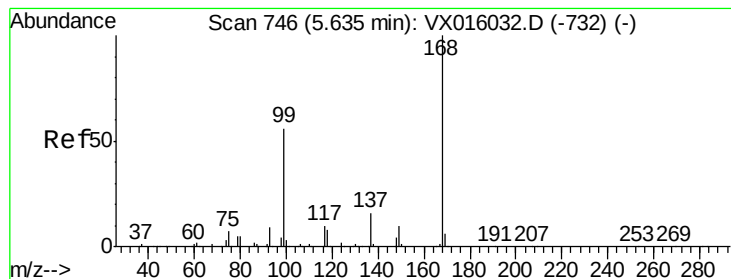
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

Instrument :

MSVOA_X

ClientSampleId :

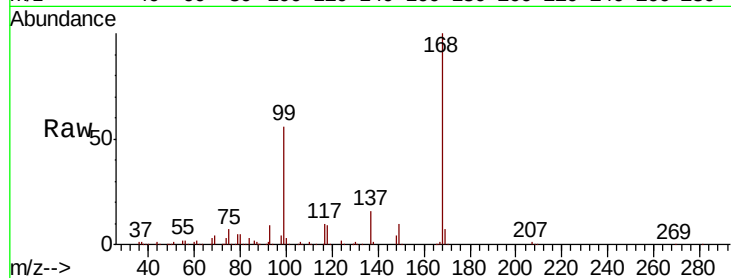
SS052MW732R-200512

Tot Ion:168 Resp: 270714

Ion Ratio Lower Upper

168 100

99 56.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

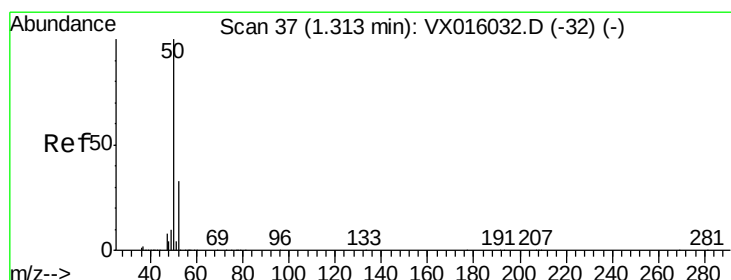
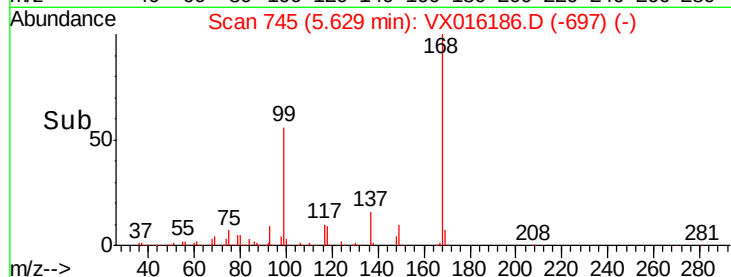
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.470 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016186.D

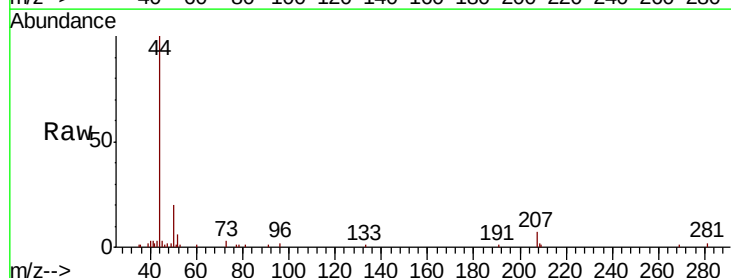
Acq: 13 May 2020 17:44

Tgt Ion: 50 Resp: 1564

Ion Ratio Lower Upper

50 100

52 28.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

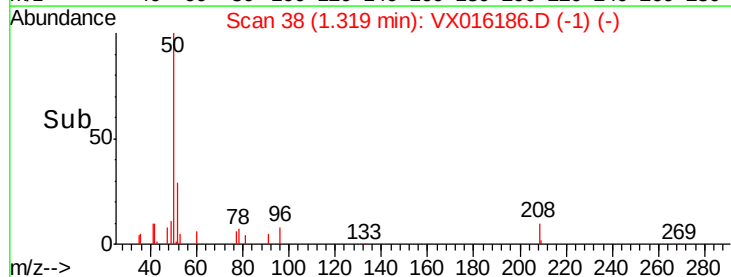
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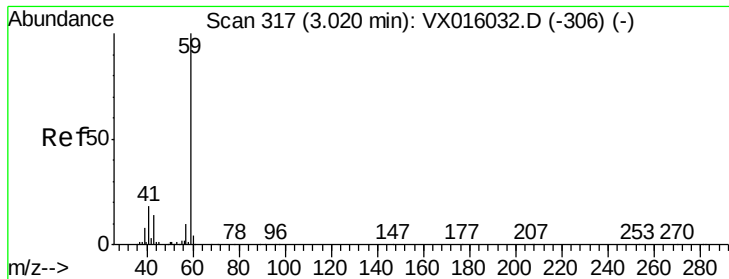
1000

500

0

Time-->



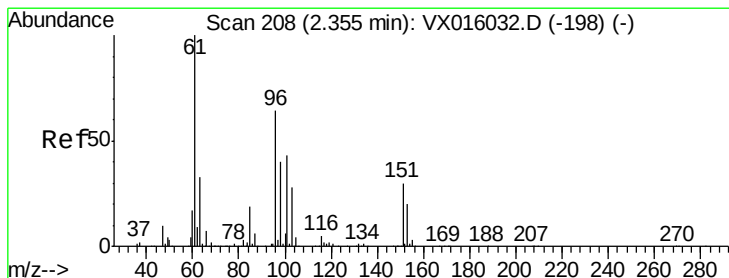
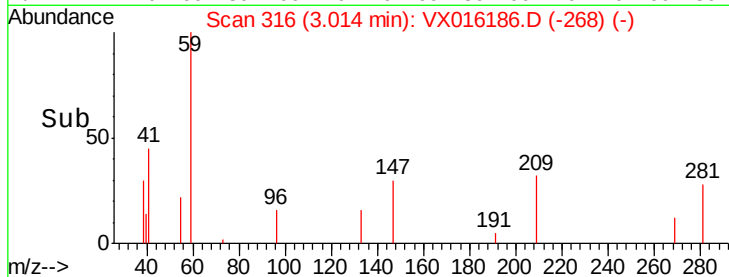
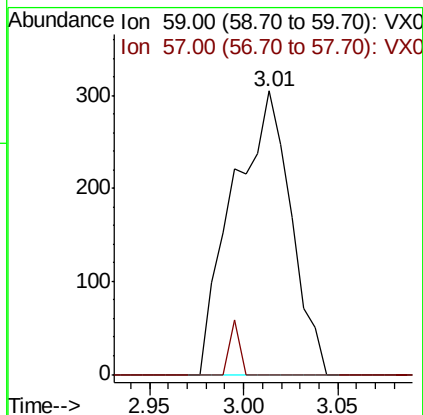
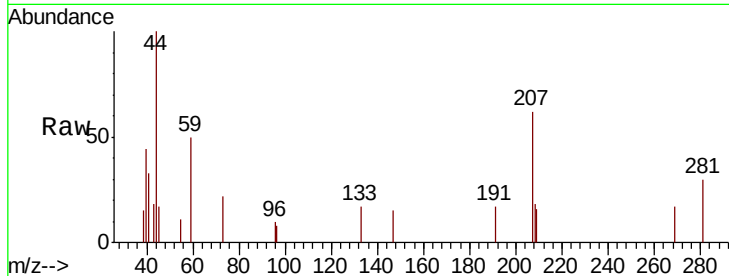


#11

Tert butyl alcohol
Concen: 0.719 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016186.D
Acq: 13 May 2020 17:44

Instrument :
MSVOA_X
ClientSampleId :
SS052MW732R-200512

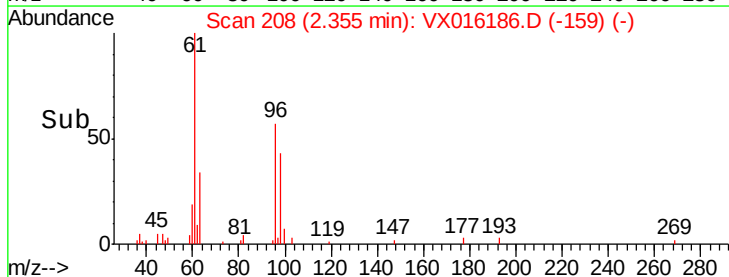
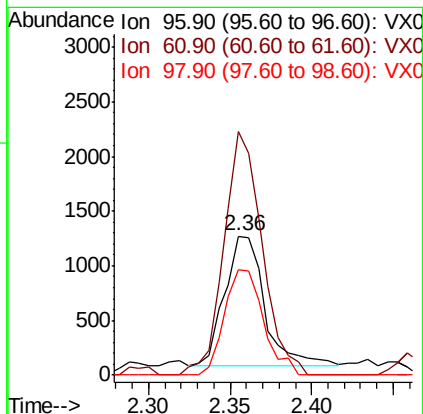
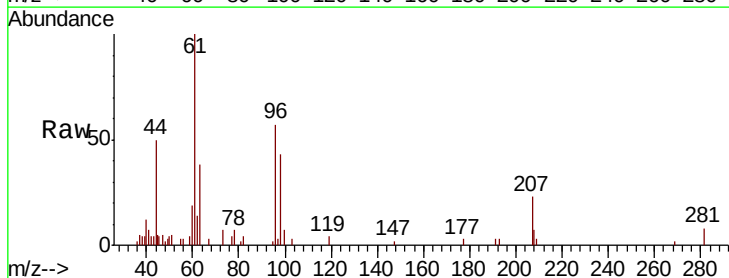
Tot Ion: 59 Resp: 648
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

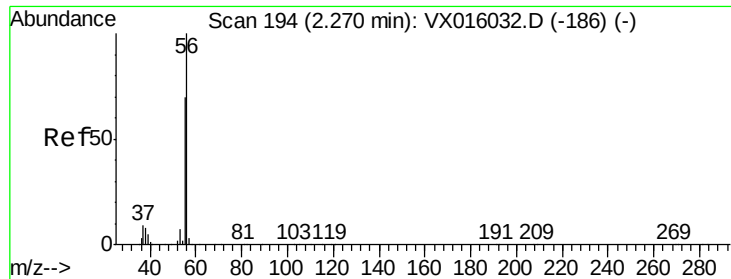


#12

1,1-Dichloroethene
Concen: 0.721 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016186.D
Acq: 13 May 2020 17:44

Tgt Ion: 96 Resp: 2030
Ion Ratio Lower Upper
96 100
61 187.9 124.8 187.2#
98 80.9 49.7 74.5#

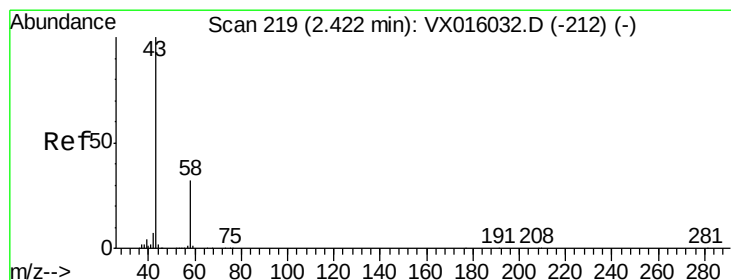
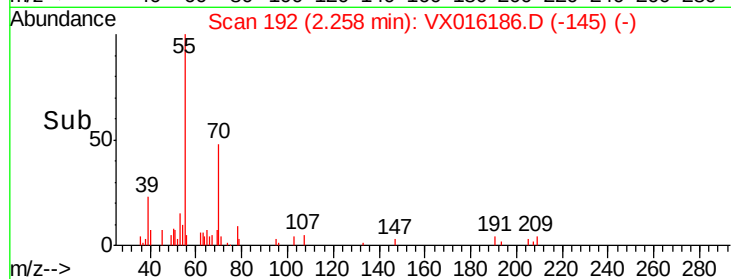
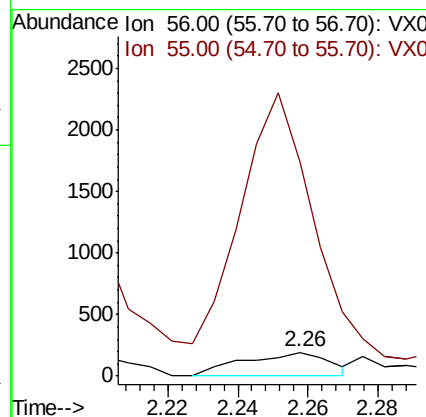
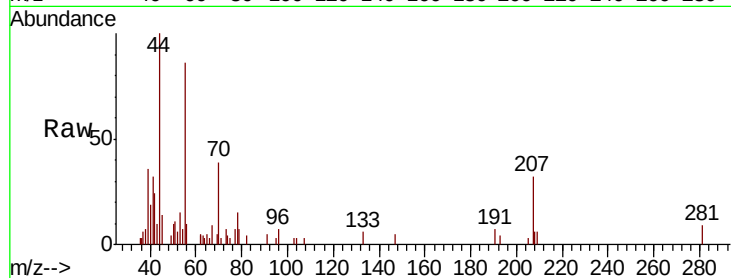




#13
Acrolein
Concen: 0.587 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.01 min
Lab File: VX016186.D
Acq: 13 May 2020 17:44

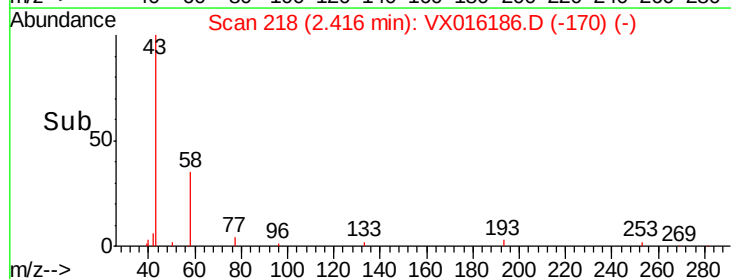
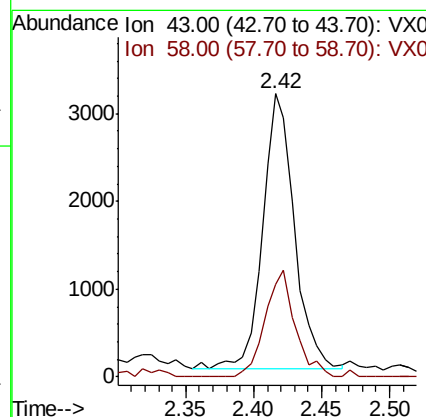
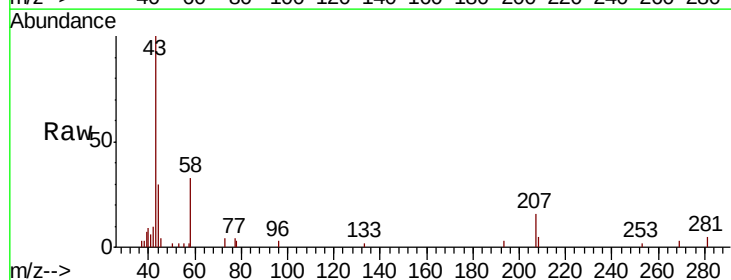
Instrument :
MSVOA_X
ClientSampleId :
SS052MW732R-200512

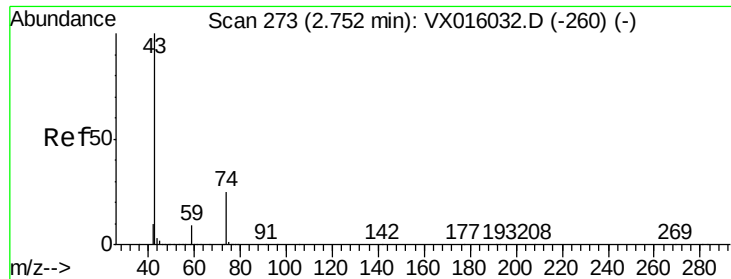
Tot Ion: 56 Resp: 331
Ion Ratio Lower Upper
56 100
55 1060.7 56.5 84.7#



#16
Acetone
Concen: 3.233 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016186.D
Acq: 13 May 2020 17:44

Tgt Ion: 43 Resp: 5138
Ion Ratio Lower Upper
43 100
58 33.6 25.4 38.0

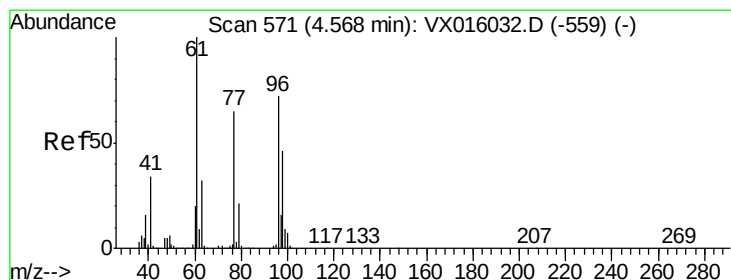
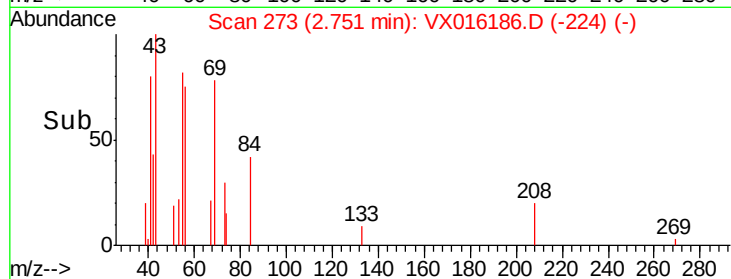
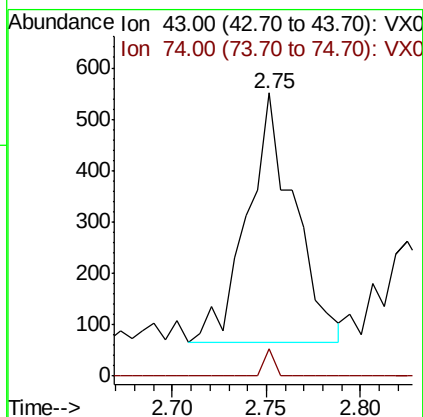
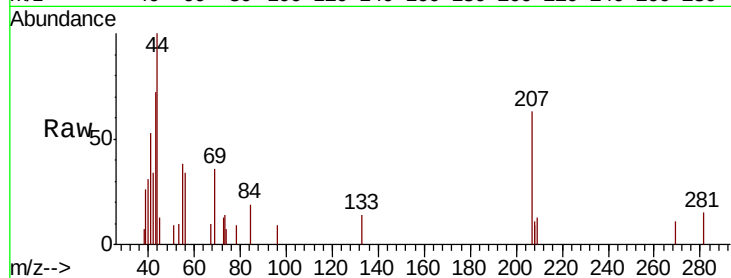




#18
Methyl Acetate
Concen: 0.214 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX016186.D
Acq: 13 May 2020 17:44

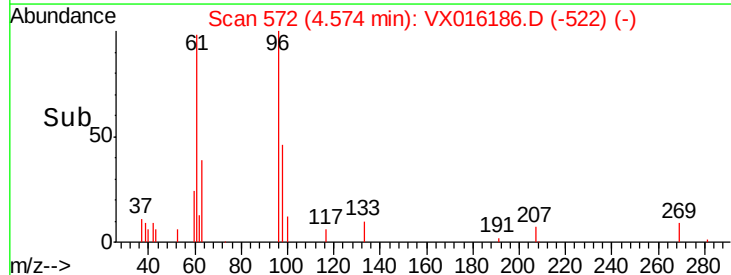
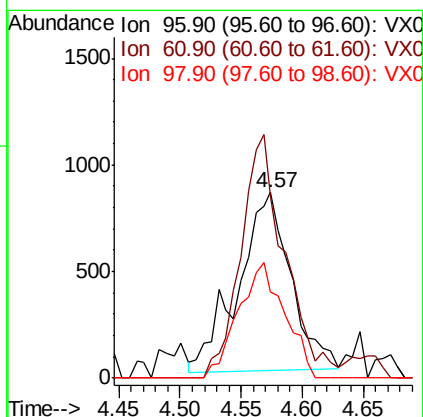
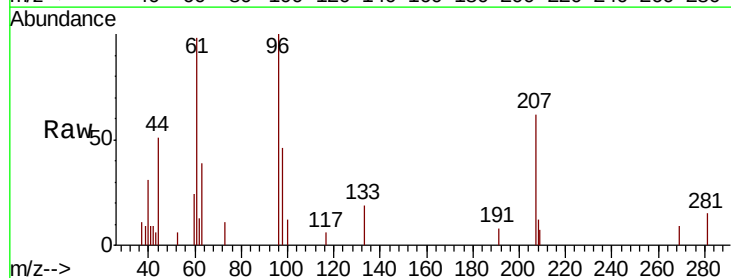
Instrument :
MSVOA_X
ClientSampleId :
SS052MW732R-200512

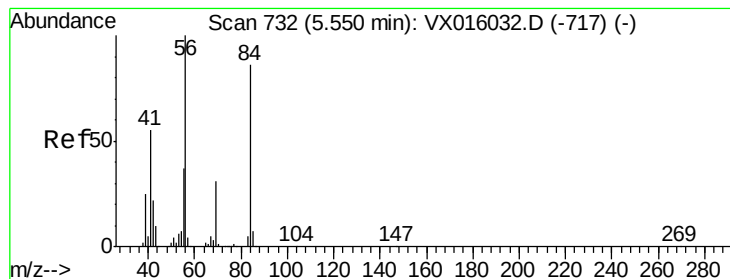
Tot Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
74 2.3 20.2 30.2#



#27
cis-1,2-Dichloroethene
Concen: 0.730 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX016186.D
Acq: 13 May 2020 17:44

Tgt Ion: 96 Resp: 2502
Ion Ratio Lower Upper
96 100
61 114.1 0.0 296.2
98 57.2 0.0 129.4





#31

Cyclohexane

Concen: 1.097 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

Instrument :

MSVOA_X

ClientSampleId :

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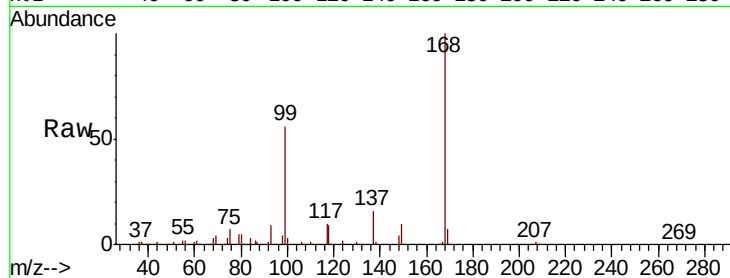
Tot Ion: 56 Resp: 5428

Ion Ratio Lower Upper

56 100

69 179.8 25.0 37.6#

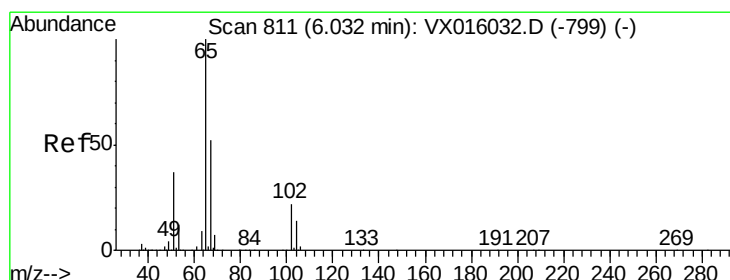
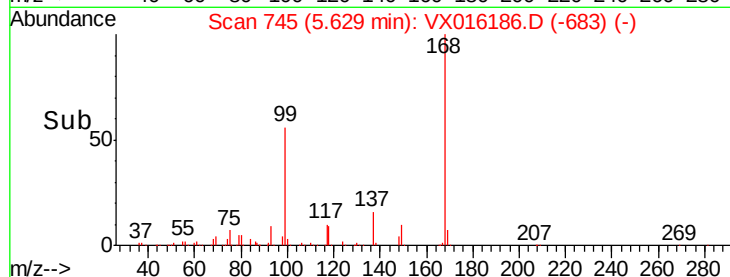
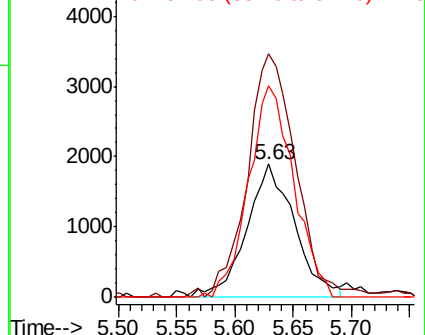
84 159.2 69.0 103.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.365 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016186.D

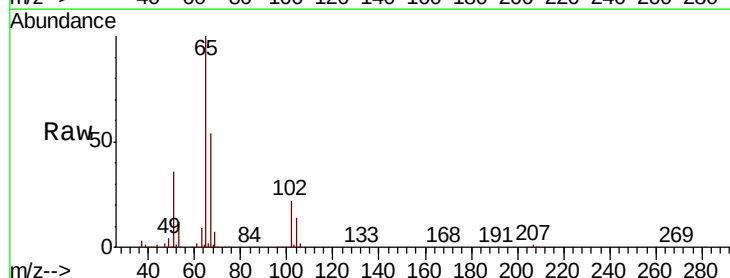
Acq: 13 May 2020 17:44

Tgt Ion: 65 Resp: 168729

Ion Ratio Lower Upper

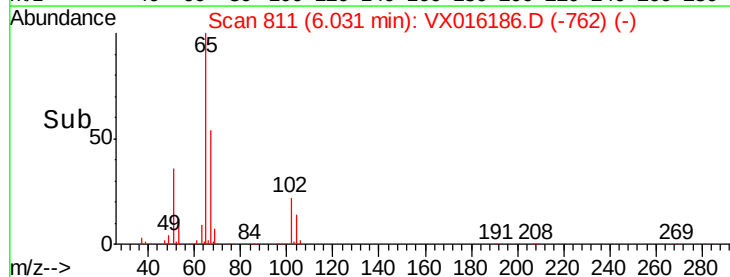
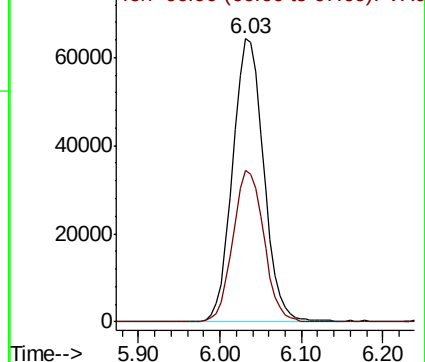
65 100

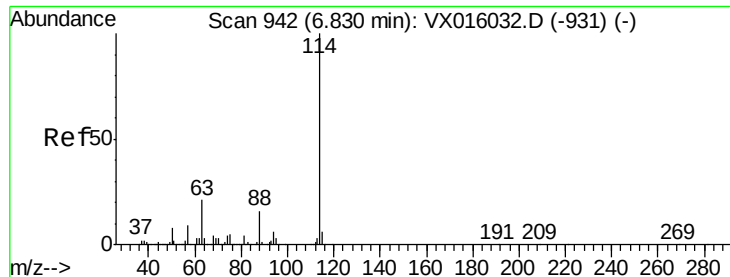
67 53.3 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016186.D

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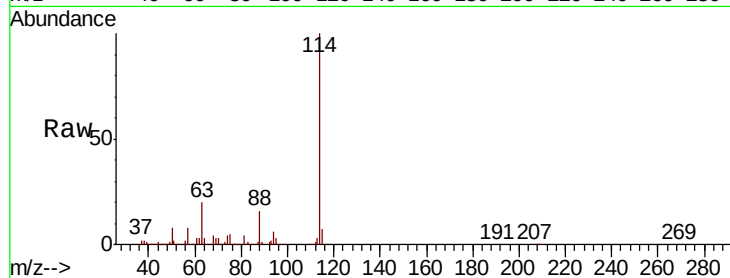
Tot Ion:114 Resp: 447433

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.8

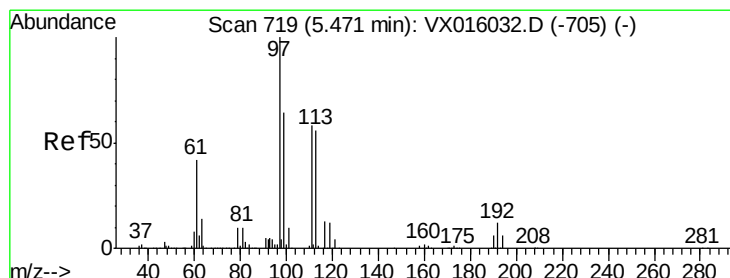
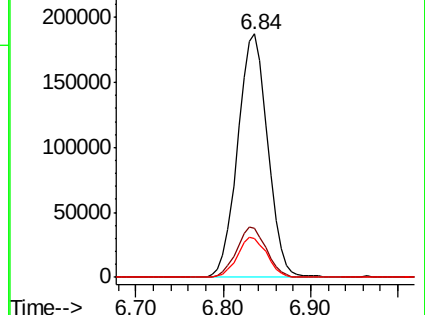
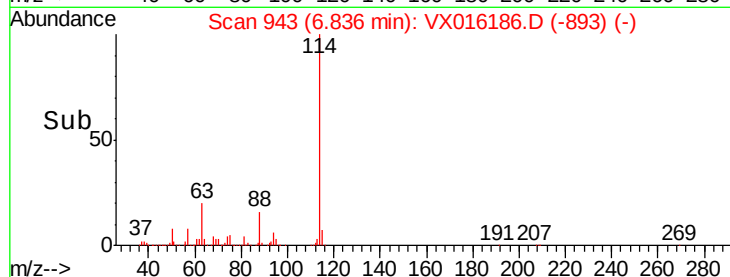
88 15.8 0.0 31.4



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: 47.323 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

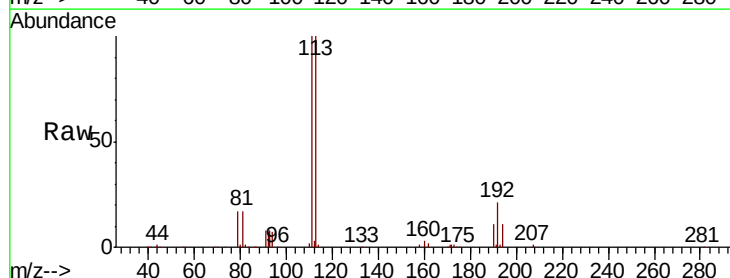
Tgt Ion:113 Resp: 134145

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

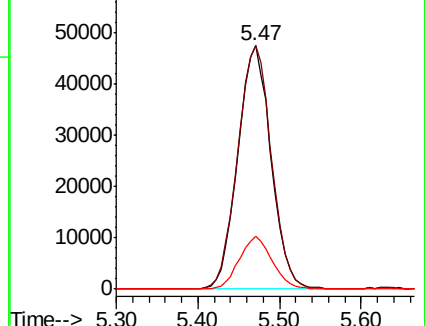
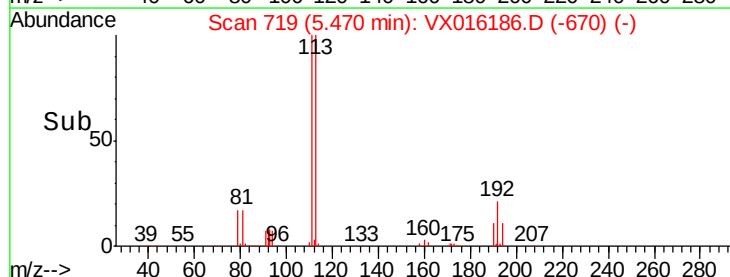
192 21.4 17.0 25.4

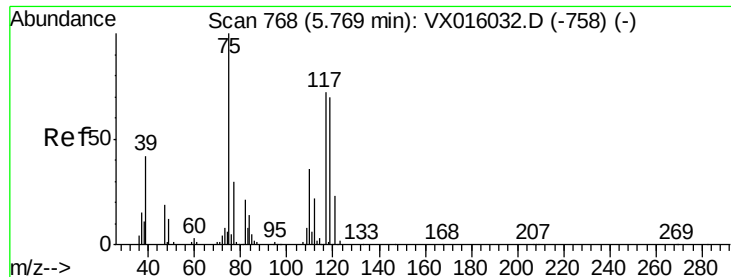


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.544 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

Instrument :

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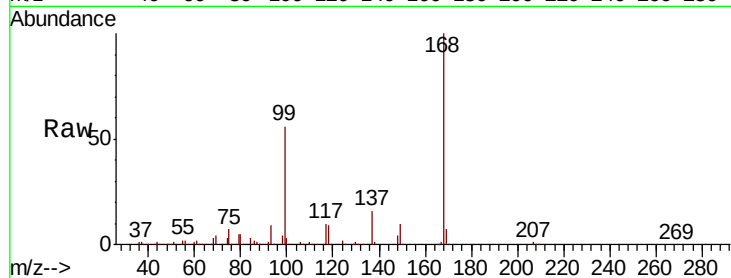
Tot Ion: 75 Resp: 20014

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.1#

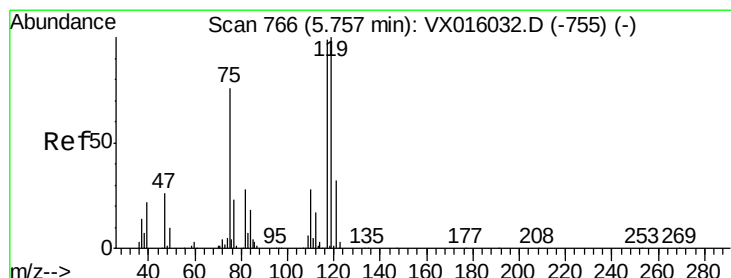
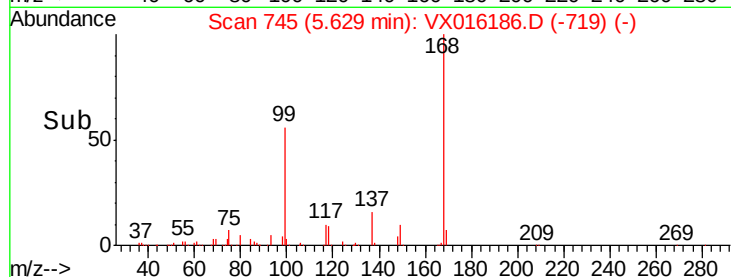
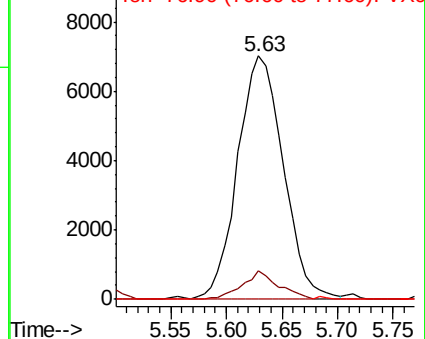
77 0.0 25.0 37.6#



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: 5.897 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

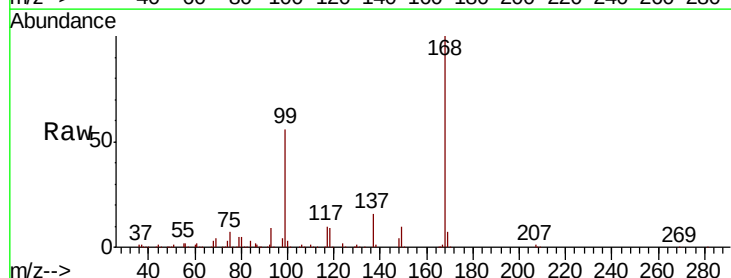
Tgt Ion: 117 Resp: 26399

Ion Ratio Lower Upper

117 100

119 4.5 80.3 120.5#

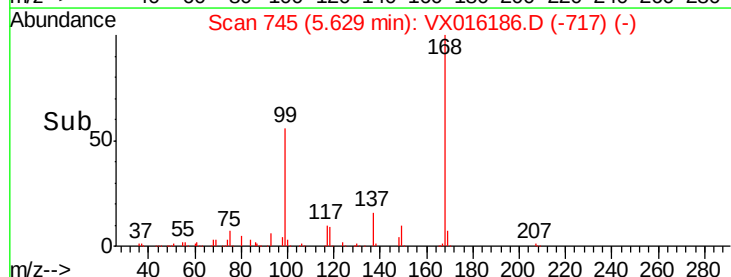
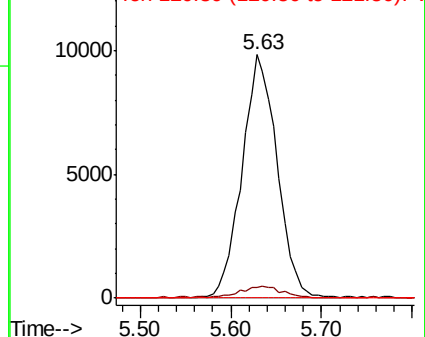
121 0.0 25.7 38.5#

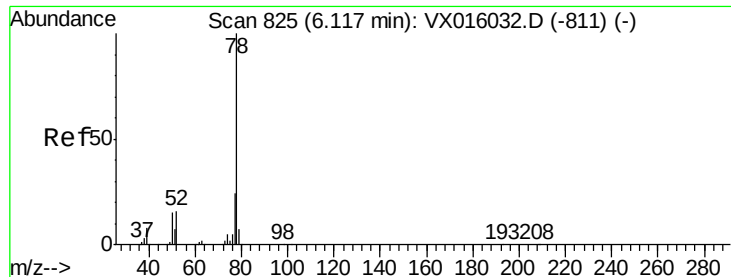


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.320 ug/l

RT: 6.12 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

Instrument :

MSVOA_X

ClientSampleId :

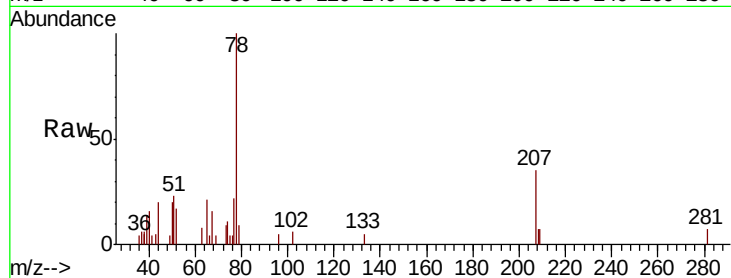
SS052MW732R-200512

Tot Ion: 78 Resp: 4124

Ion Ratio Lower Upper

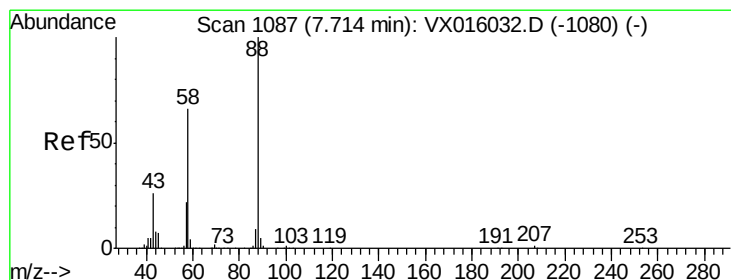
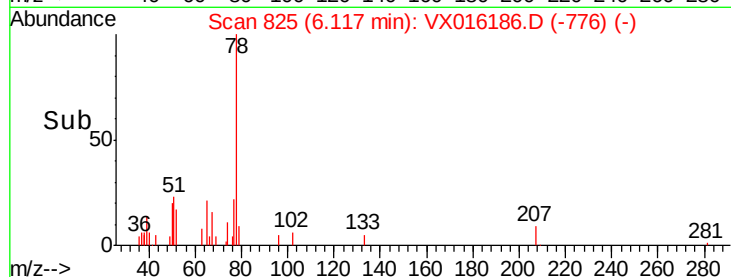
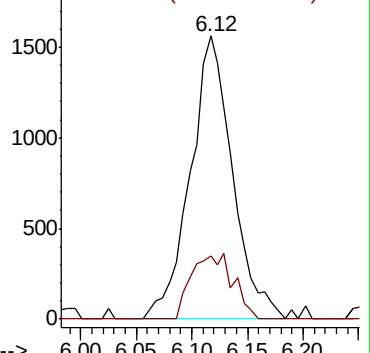
78 100

77 22.4 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#49

1,4-Dioxane

Concen: 6.644 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

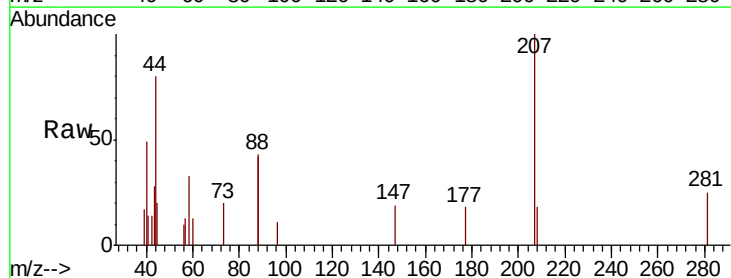
Tgt Ion: 88 Resp: 615

Ion Ratio Lower Upper

88 100

43 46.0 25.3 37.9#

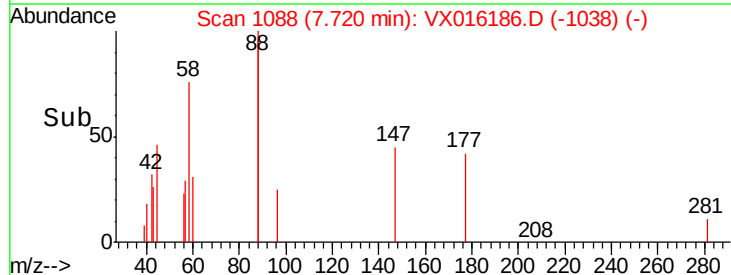
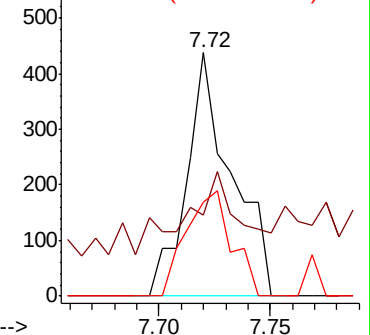
58 43.9 55.9 83.9#

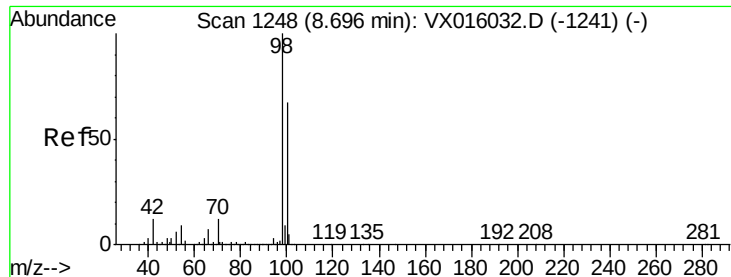


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.324 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

Instrument :

MSVOA_X

ClientSampleId :

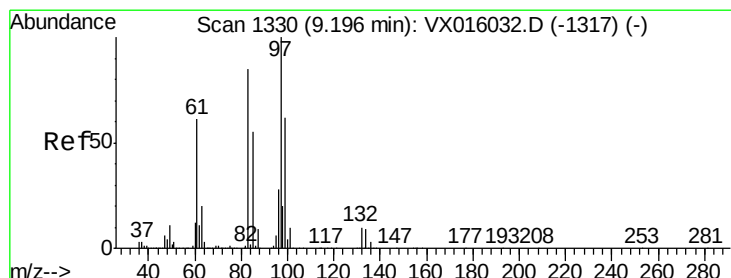
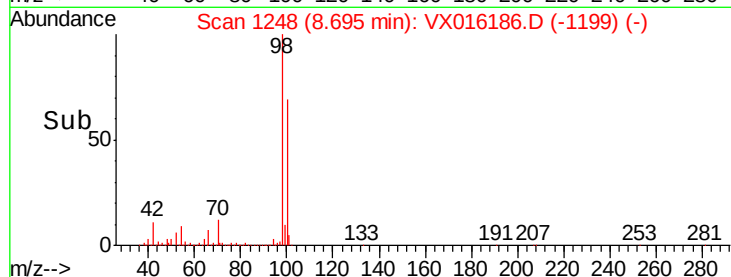
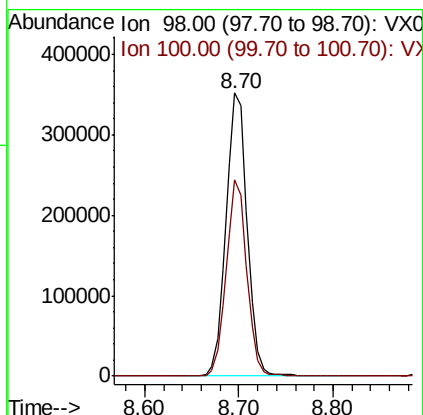
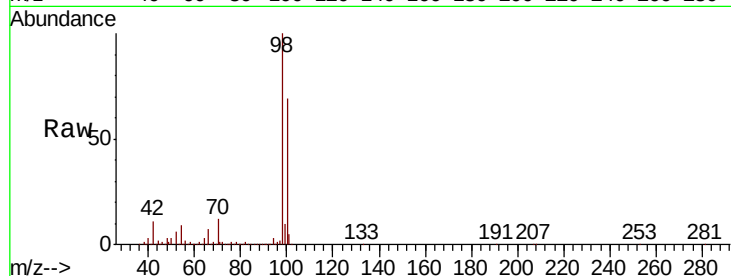
SS052MW732R-200512

Tot Ion: 98 Resp: 549650

Ion Ratio Lower Upper

98 100

100 67.4 53.7 80.5



#55

1,1,2-Trichloroethane

Concen: 1.300 ug/l

RT: 9.06 min Scan# 1308

Delta R.T. -0.13 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

Tgt Ion: 97 Resp: 4108

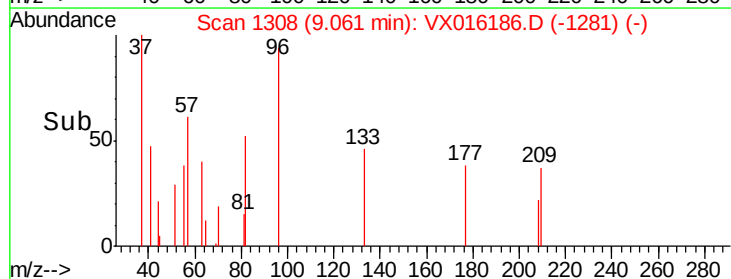
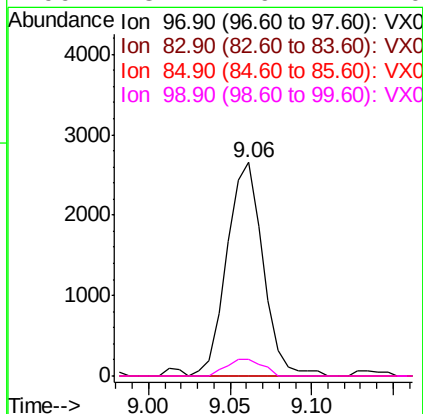
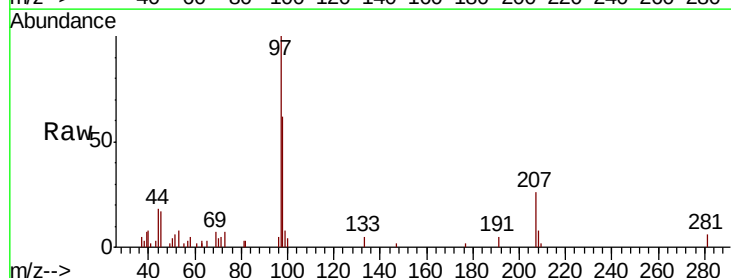
Ion Ratio Lower Upper

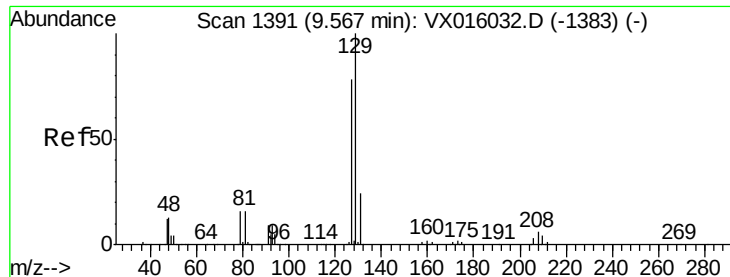
97 100

83 0.0 67.8 101.8#

85 0.0 43.8 65.8#

99 8.1 49.4 74.0#





#60

Dibromochloromethane

Concen: 0.550 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

Instrument :

MSVOA_X

ClientSampleId :

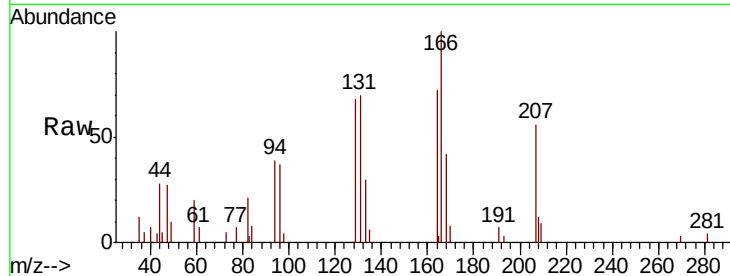
SS052MW732R-200512

Tot Ion:129 Resp: 1914

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

1500

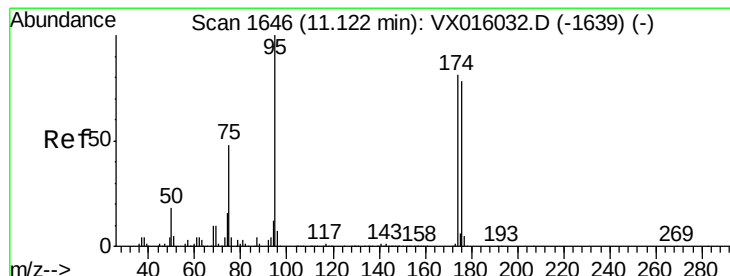
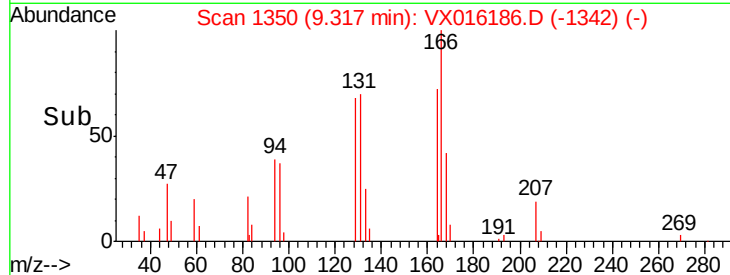
1000

500

0

9.30 9.32 9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 52.869 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

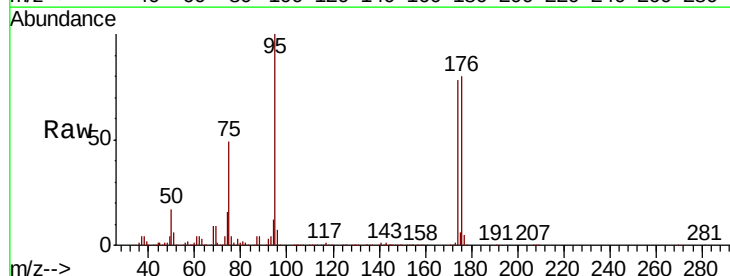
Tgt Ion: 95 Resp: 219635

Ion Ratio Lower Upper

95 100

174 80.5 0.0 159.4

176 79.7 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

200000

150000

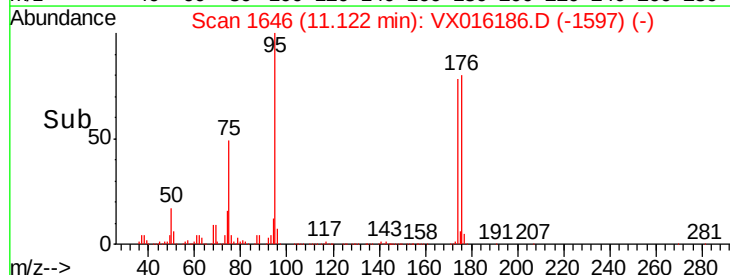
100000

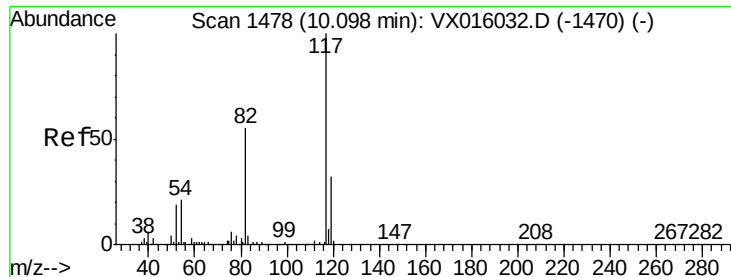
50000

0

11.05 11.10 11.12 11.15 11.20

Time-->

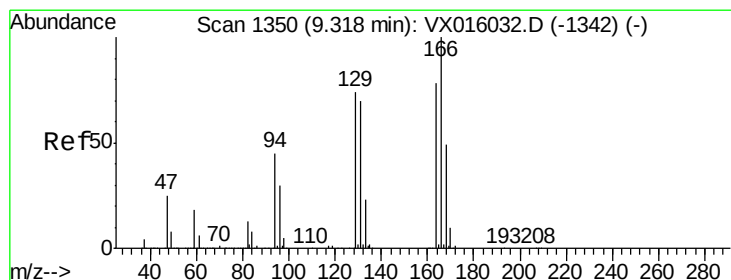
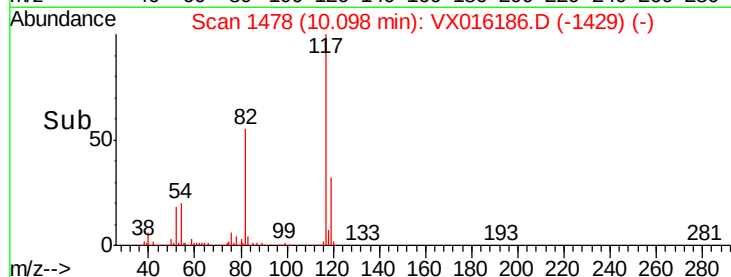
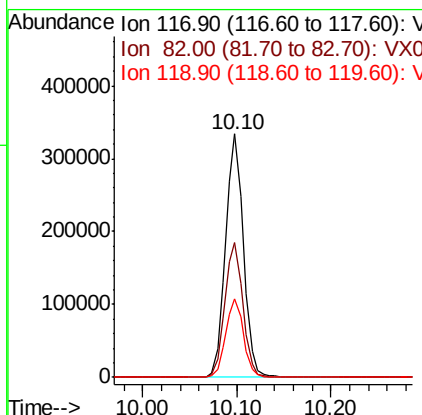
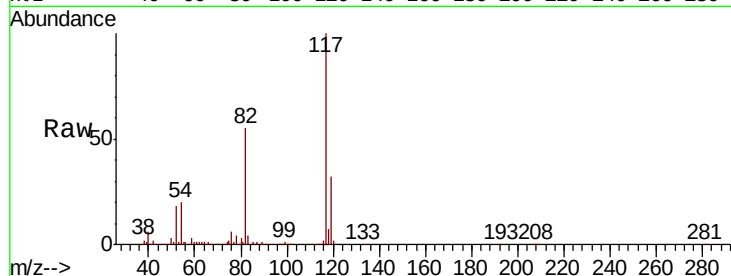




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016186.D
Acq: 13 May 2020 17:44

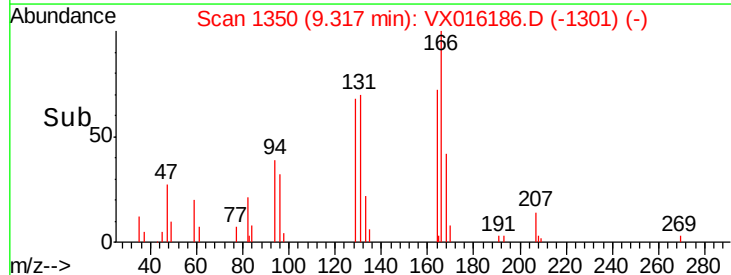
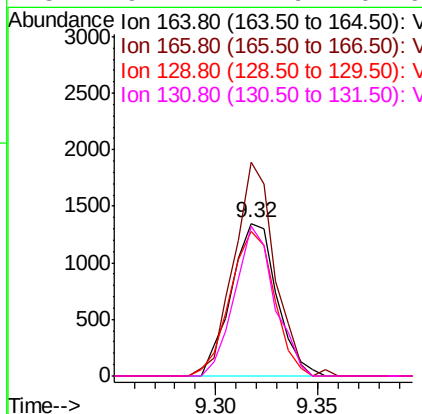
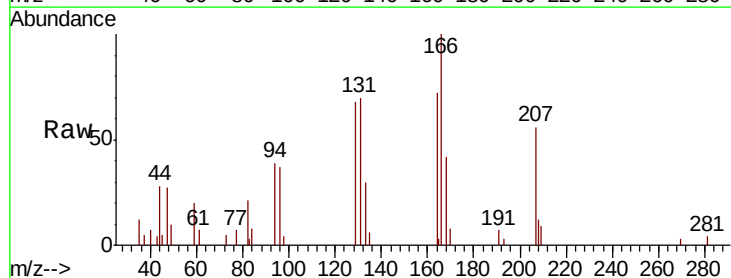
Instrument :
MSVOA_X
ClientSampleId :
SS052MW732R-200512

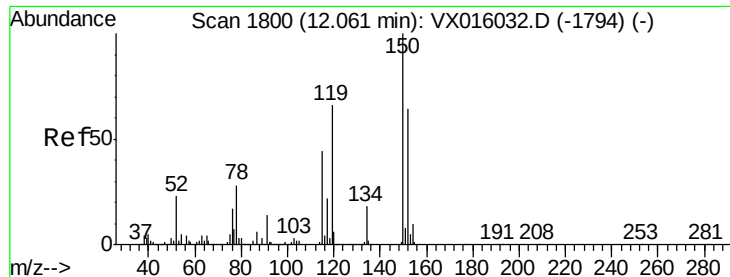
Tot Ion:117 Resp: 440184
Ion Ratio Lower Upper
117 100
82 55.2 44.4 66.6
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 0.387 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016186.D
Acq: 13 May 2020 17:44

Tgt Ion:164 Resp: 2091
Ion Ratio Lower Upper
164 100
166 139.7 102.9 154.3
129 94.7 76.1 114.1
131 97.7 71.9 107.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

Instrument :

MSVOA_X

ClientSampleId :

SS052MW732R-200512

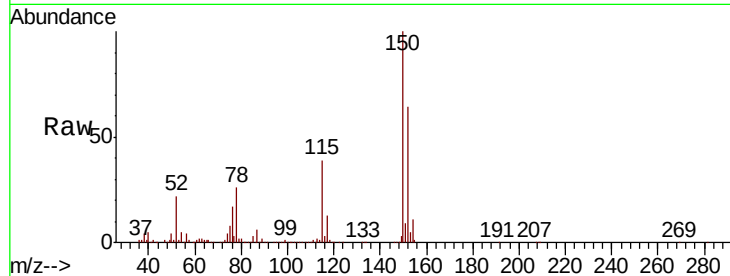
Tot Ion:152 Resp: 226494

Ion Ratio Lower Upper

152 100

115 57.4 41.3 124.1

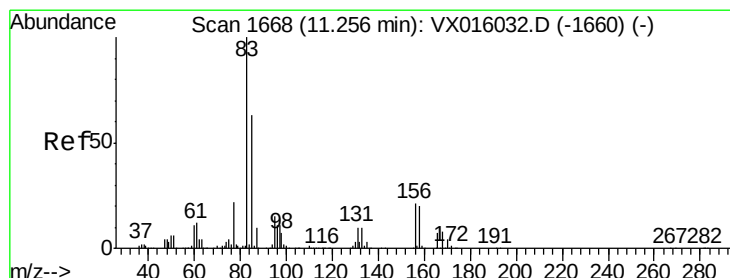
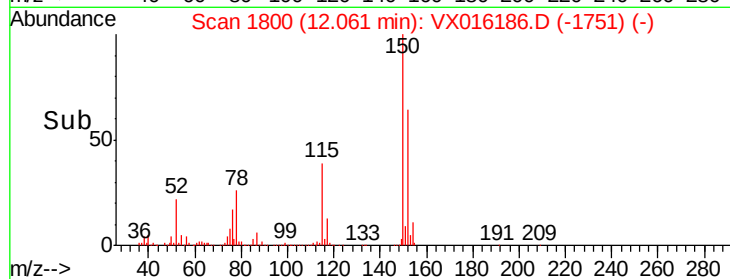
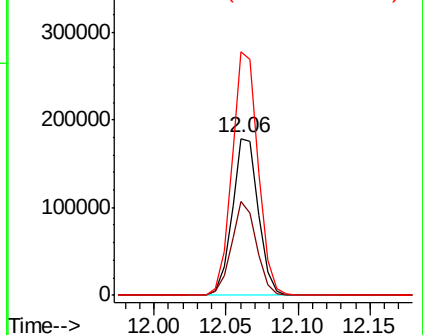
150 155.5 0.0 352.2



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: 2.098 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

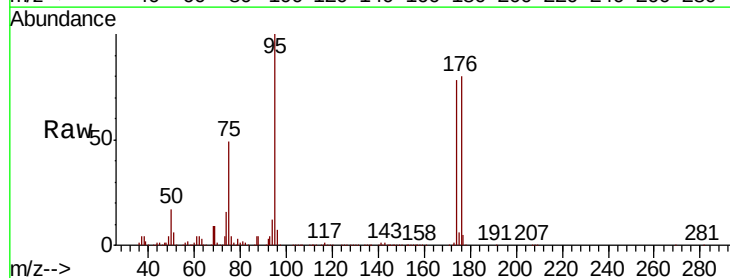
Tgt Ion: 83 Resp: 151

Ion Ratio Lower Upper

83 100

131 239.7 5.1 15.4#

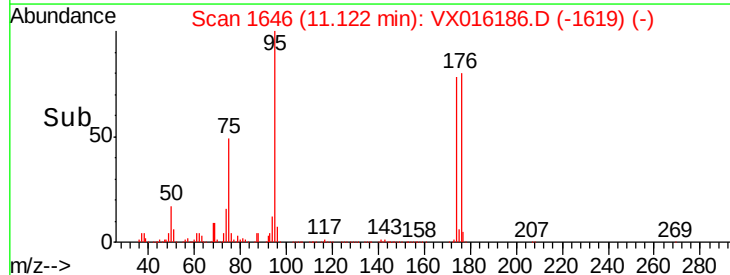
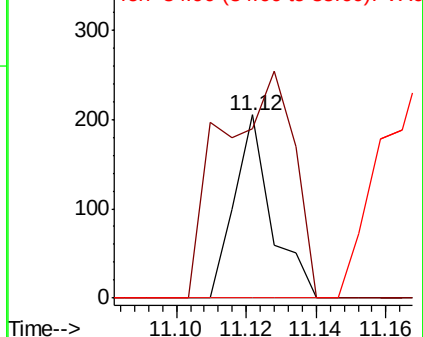
85 0.0 32.0 96.0#

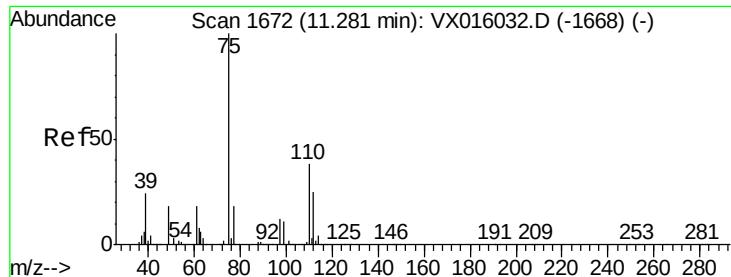


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.007 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

Instrument :

MSVOA_X

ClientSampleId :

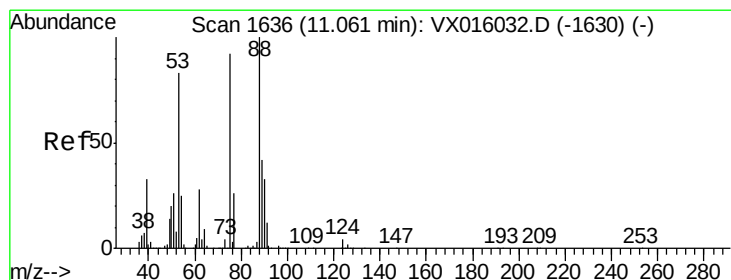
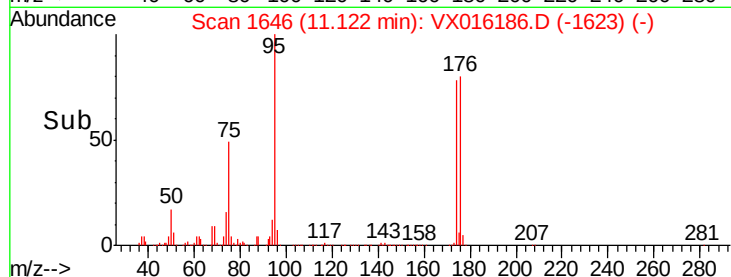
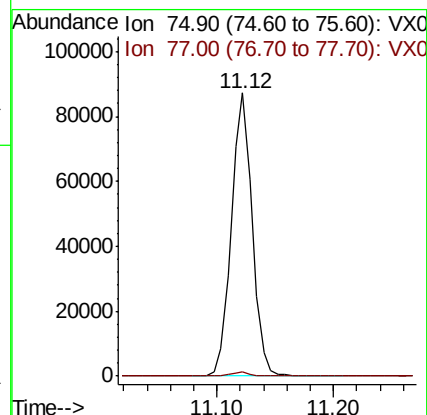
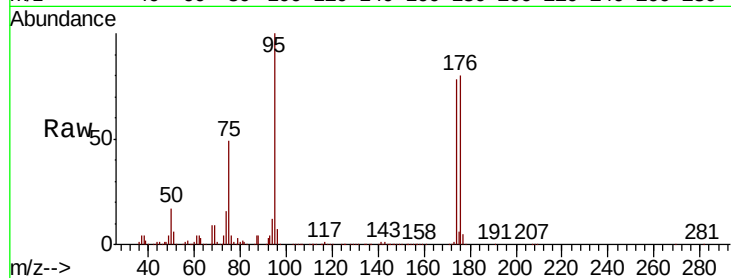
SS052MW732R-200512

Tot Ion: 75 Resp: 107969

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.061 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

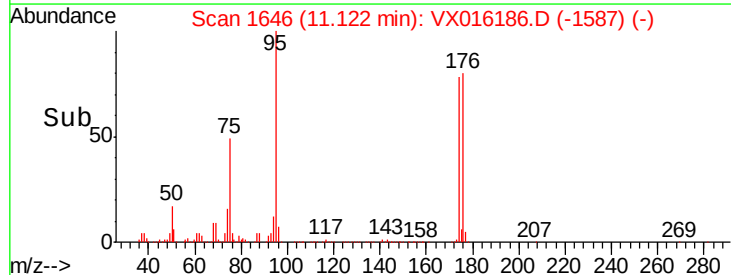
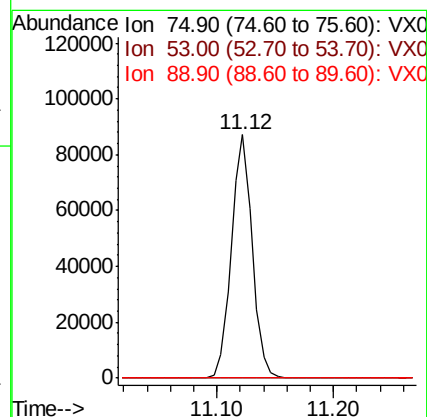
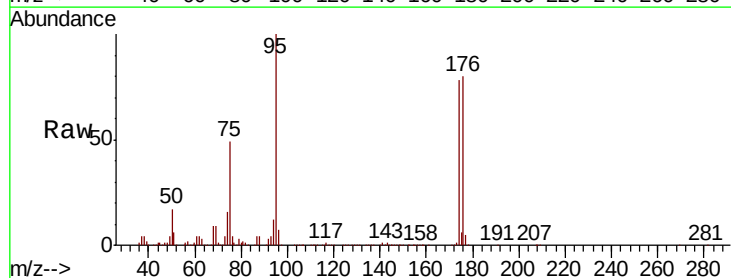
Tgt Ion: 75 Resp: 107969

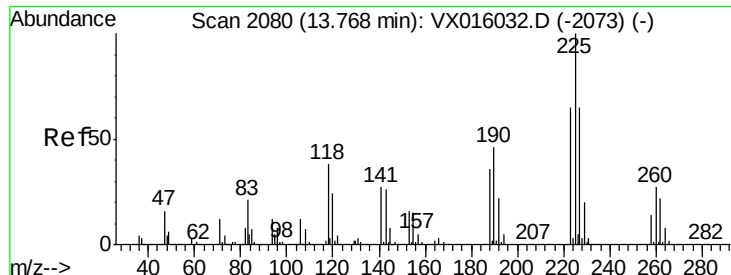
Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#





#94

Hexachlorobutadiene

Concen: 0.537 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016186.D

Acq: 13 May 2020 17:44

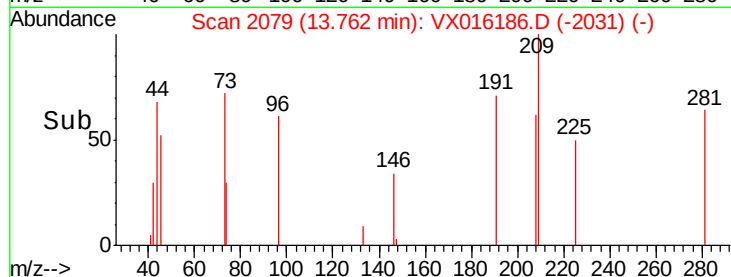
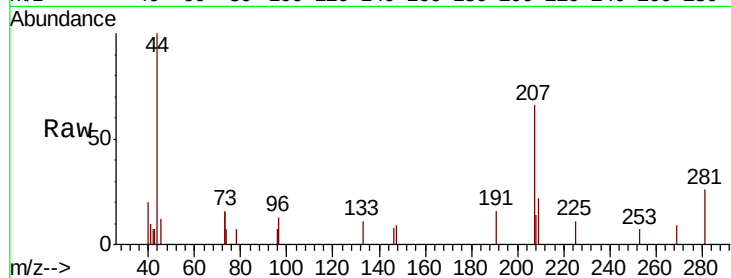
Instrument :

MSVOA_X

ClientSampleId :

SS052MW732R-200512

Tot Ion:	225	Resp:	32
Ion Ratio	Lower	Upper	
225	100		
223	0.0	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

