

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050720\
 Data File : VX016099.D
 Acq On : 07 May 2020 17:12
 Operator : JC/SP
 Sample : L2532-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW159-200506

Quant Time: May 08 02:05:55 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	273303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	454207	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	444813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	233846	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	171913	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
35) Dibromofluoromethane	5.47	113	133942	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
50) Toluene-d8	8.70	98	562690	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	11.12	95	227974	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	

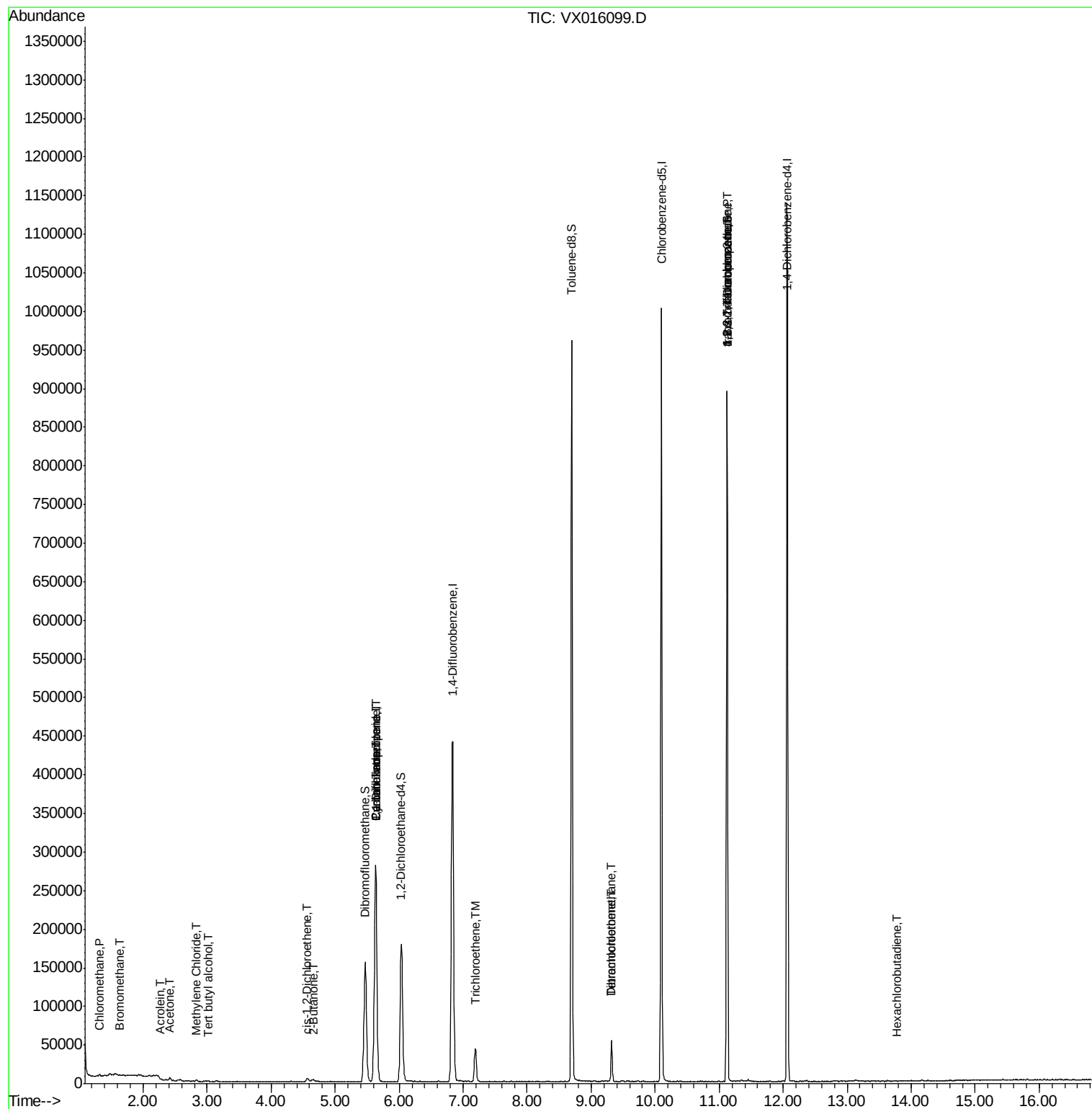
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1931	0.575	ug/l	95
5) Bromomethane	1.64	94	483	0.267	ug/l #	2
11) Tert butyl alcohol	3.02	59	467	0.514	ug/l	98
13) Acrolein	2.28	56	364	0.640	ug/l #	1
16) Acetone	2.42	43	3802	2.369	ug/l	93
17) Carbon Disulfide	2.55	76	1470	Below Cal	#	94
20) Methylene Chloride	2.83	84	761	0.230	ug/l #	91
25) 2-Butanone	4.65	43	752	0.291	ug/l #	48
27) cis-1,2-Dichloroethene	4.56	96	3158	0.912	ug/l	78
31) Cyclohexane	5.64	56	5578	1.116	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20637	4.616	ug/l #	49
38) Carbon Tetrachloride	5.63	117	27023	5.946	ug/l #	15
44) Trichloroethene	7.19	130	16654	3.583	ug/l	99
60) Dibromochloromethane	9.32	129	9525	2.696	ug/l #	11
64) Tetrachloroethene	9.32	164	10066	1.843	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.12	83	187	2.108	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	114728	21.620	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	114728	51.523	ug/l #	13
94) Hexachlorobutadiene	13.77	225	73	0.553	ug/l #	38

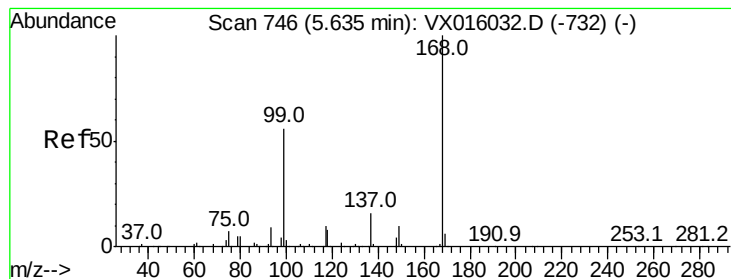
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
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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: VX016099.D

Acq: 07 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

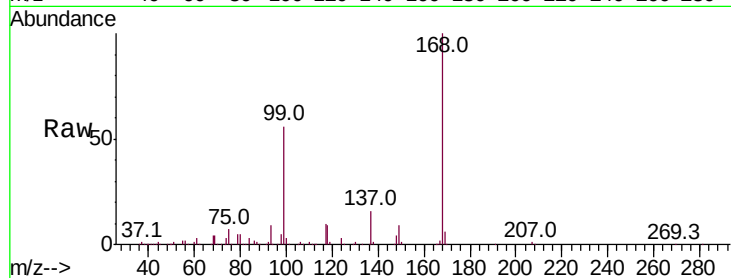
SS052MW159-200506

Tot Ion:168 Resp: 273303

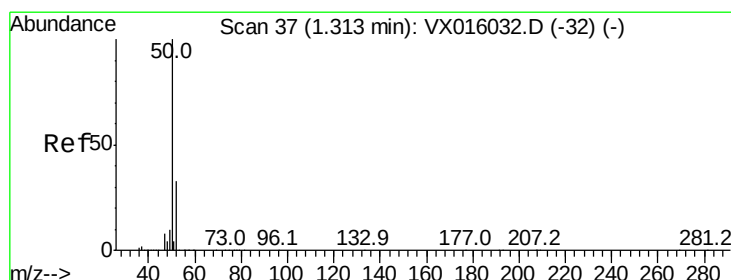
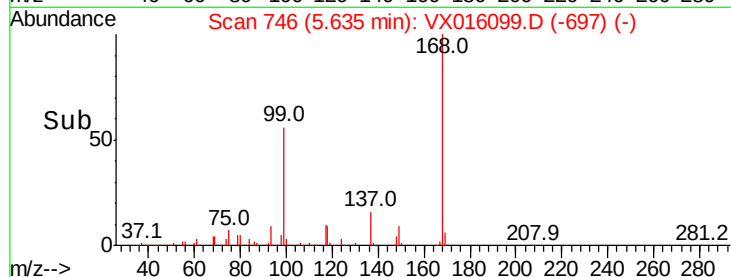
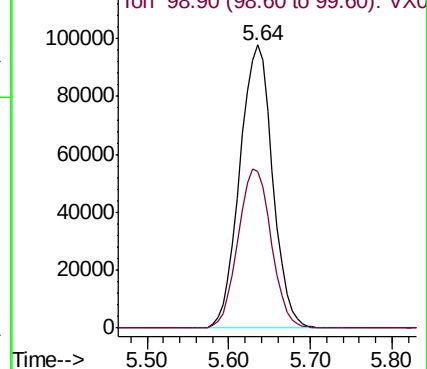
Ion Ratio Lower Upper

168 100

99 55.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V



#3

Chloromethane

Concen: 0.575 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016099.D

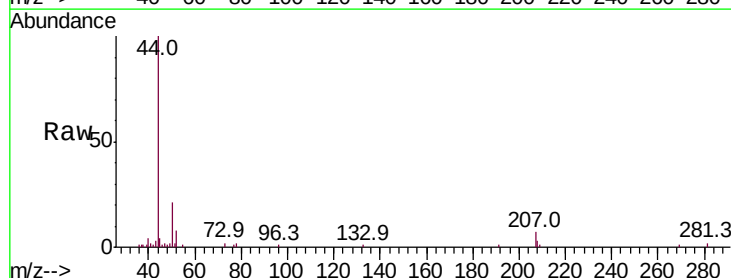
Acq: 07 May 2020 17:12

Tgt Ion: 50 Resp: 1931

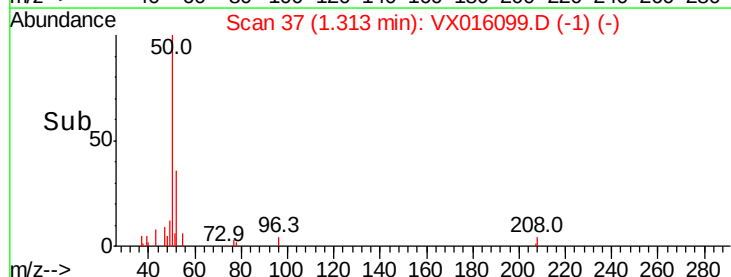
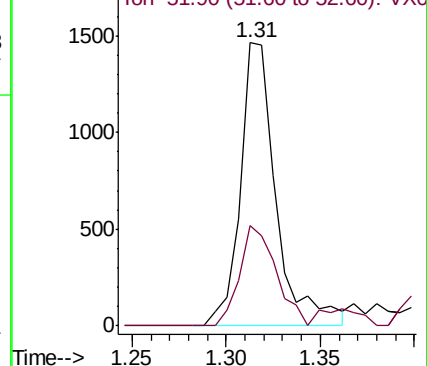
Ion Ratio Lower Upper

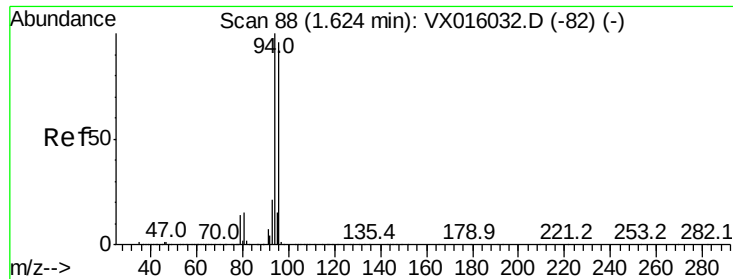
50 100

52 35.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0





#5

Bromomethane

Concen: 0.267 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016099.D

Acq: 07 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

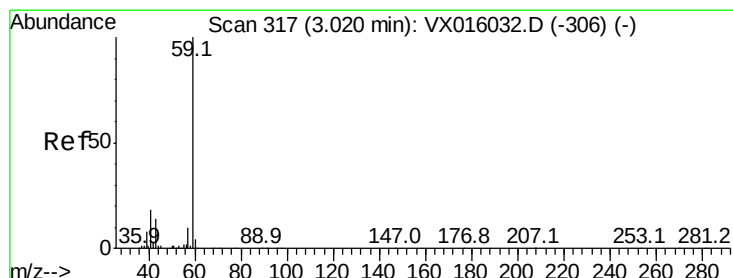
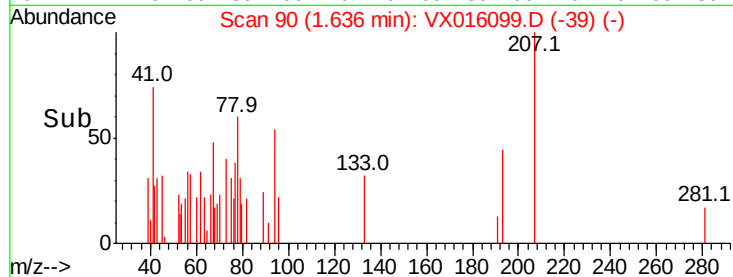
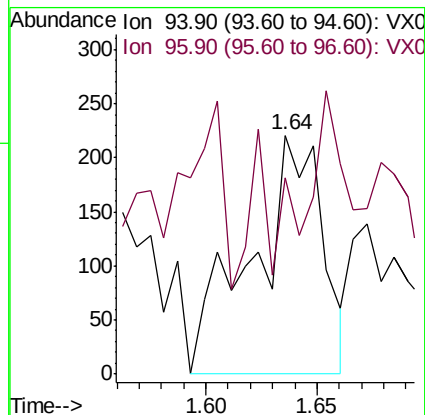
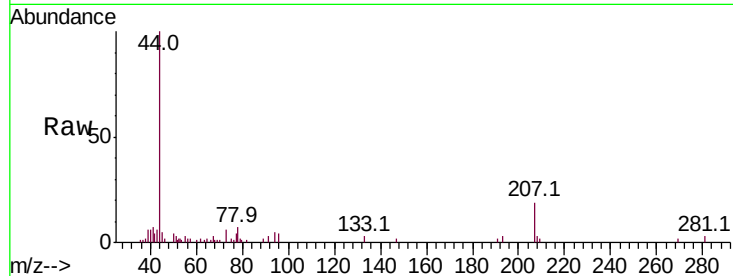
SS052MW159-200506

Tot Ion: 94 Resp: 483

Ion Ratio Lower Upper

94 100

96 0.0 76.9 115.3#



#11

Tert butyl alcohol

Concen: 0.514 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.00 min

Lab File: VX016099.D

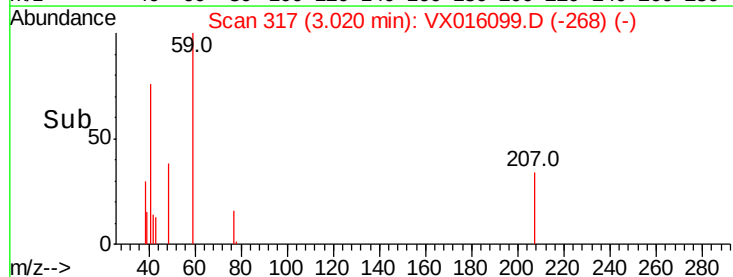
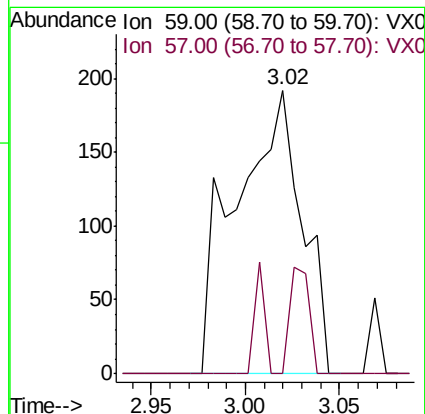
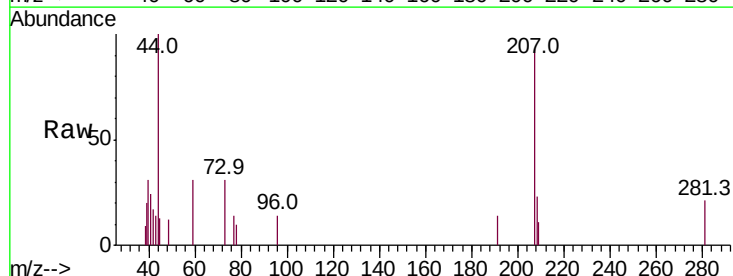
Acq: 07 May 2020 17:12

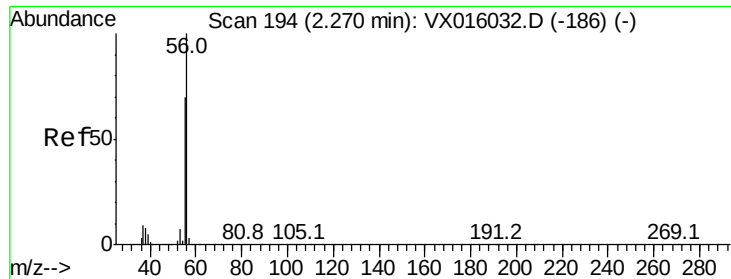
Tgt Ion: 59 Resp: 467

Ion Ratio Lower Upper

59 100

57 10.9 8.2 12.4

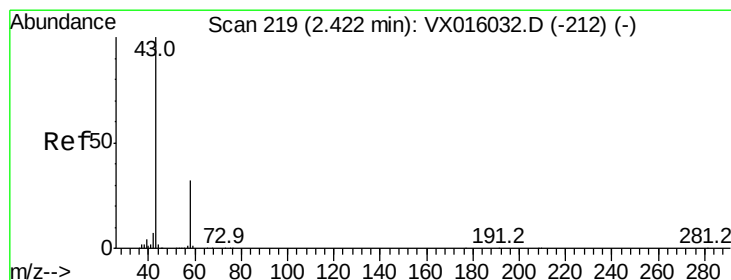
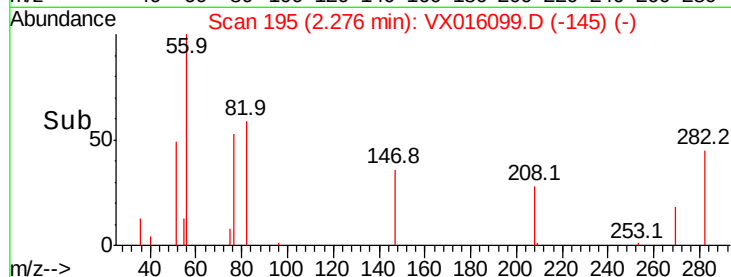
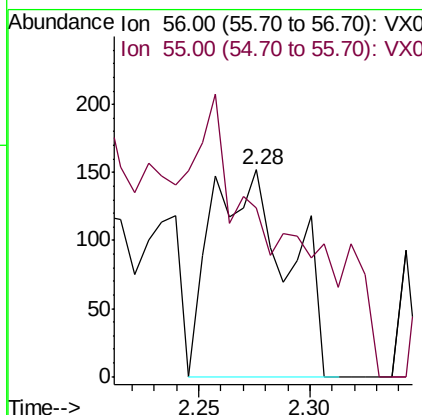
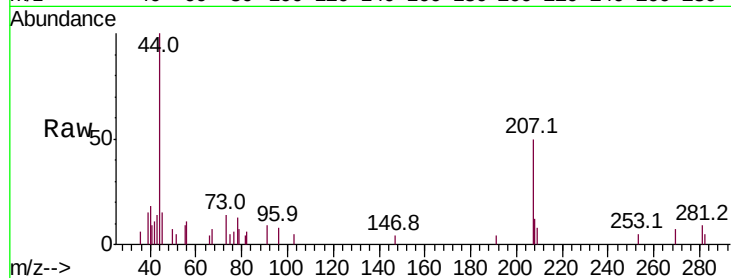




#13
Acrolein
Concen: 0.640 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016099.D
Acq: 07 May 2020 17:12

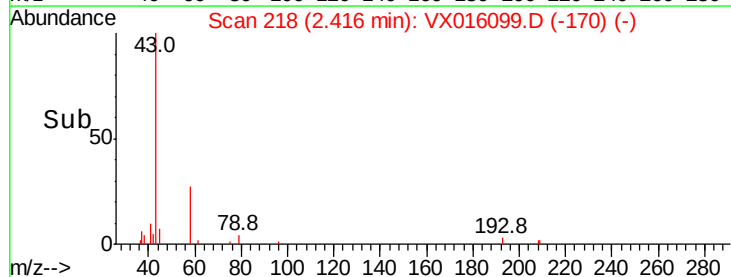
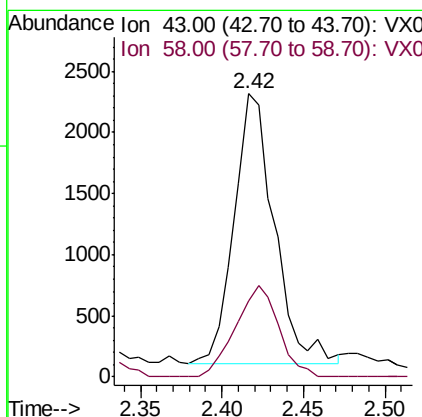
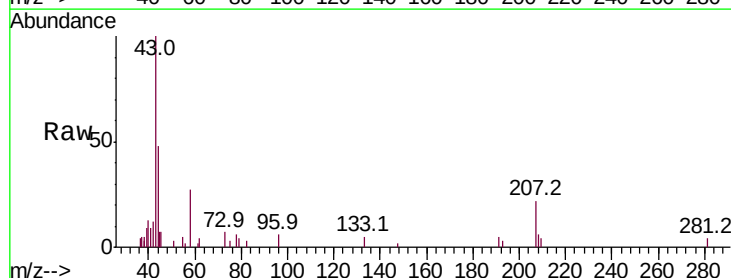
Instrument :
MSVOA_X
ClientSampleId :
SS052MW159-200506

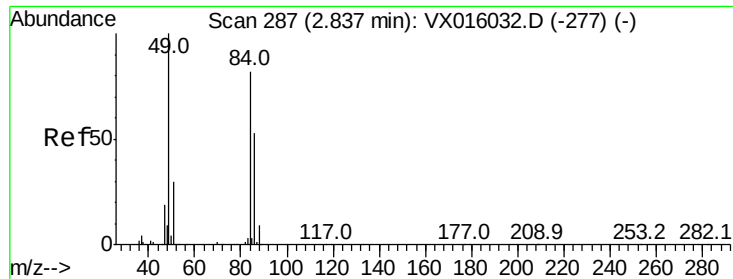
Tot Ion: 56 Resp: 364
Ion Ratio Lower Upper
56 100
55 162.9 56.5 84.7#



#16
Acetone
Concen: 2.369 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016099.D
Acq: 07 May 2020 17:12

Tgt Ion: 43 Resp: 3802
Ion Ratio Lower Upper
43 100
58 28.0 25.4 38.0

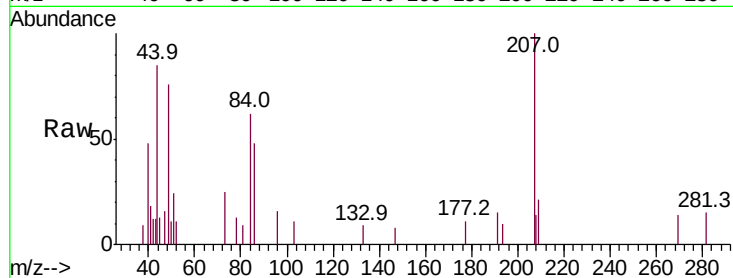




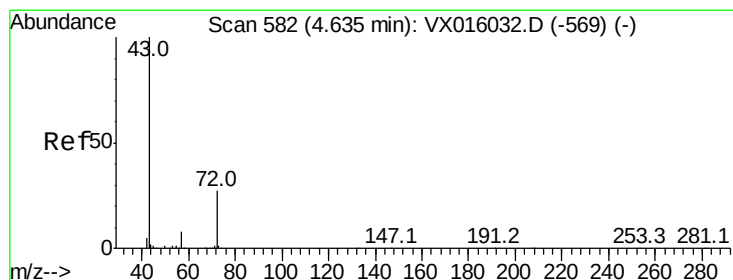
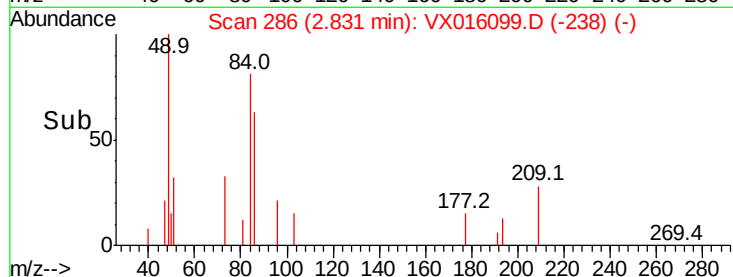
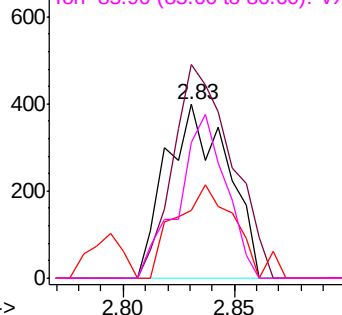
#20
Methvlene Chloride
Concen: 0.230 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016099.D
Acq: 07 May 2020 17:12

Instrument :
MSVOA_X
ClientSampleId :
SS052MW159-200506

Tot Ion: 84 Resp: 761
Ion Ratio Lower Upper
84 100
49 122.8 97.3 145.9
51 24.1 29.3 43.9#
86 77.9 51.3 76.9#

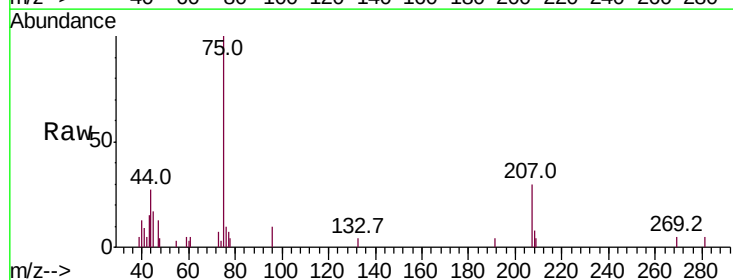


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

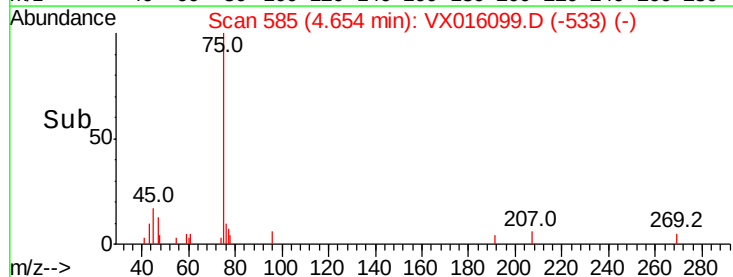
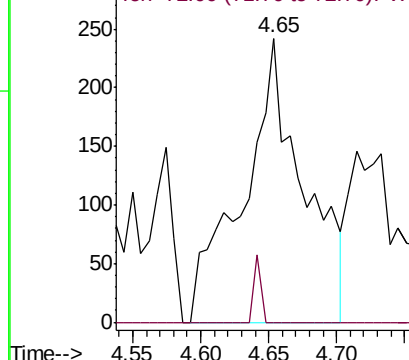


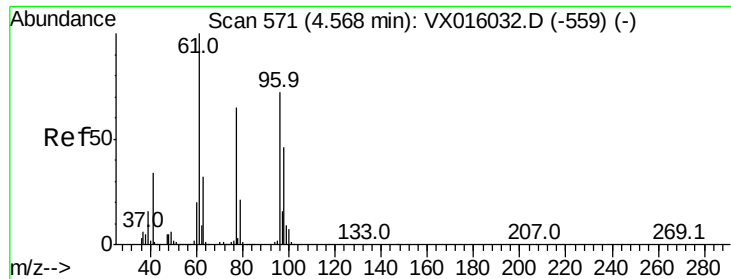
#25
2-Butanone
Concen: 0.291 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX016099.D
Acq: 07 May 2020 17:12

Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



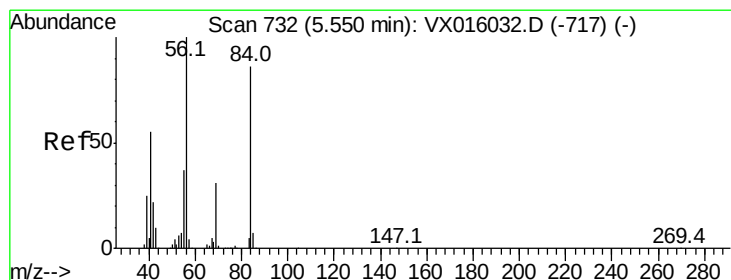
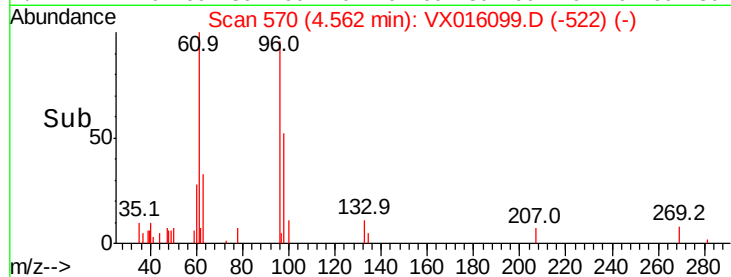
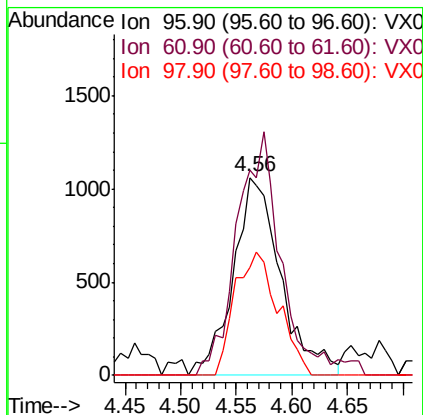
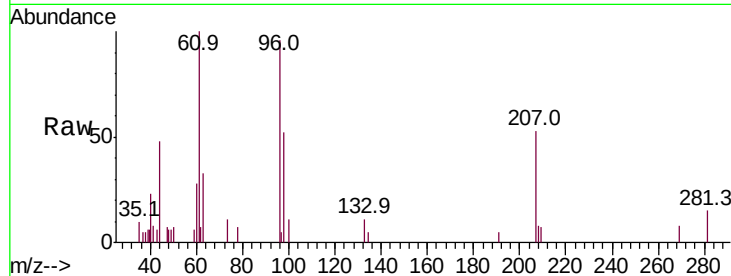


#27

cis-1,2-Dichloroethene
Concen: 0.912 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016099.D
Acq: 07 May 2020 17:12

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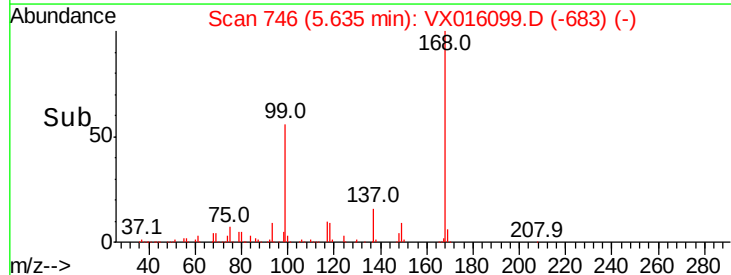
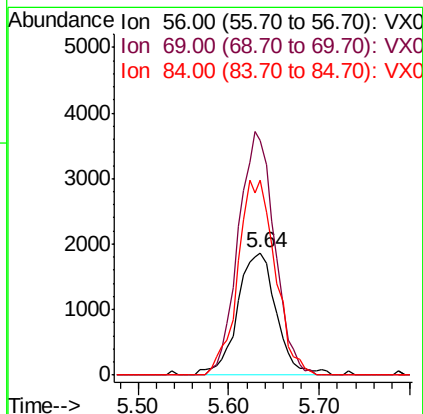
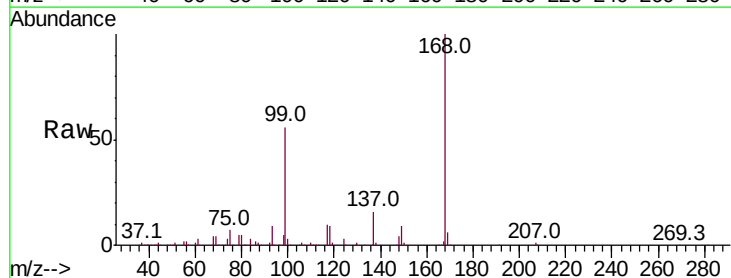
Tot Ion: 96 Resp: 3158
Ion Ratio Lower Upper
96 100
61 113.6 0.0 296.2
98 56.4 0.0 129.4

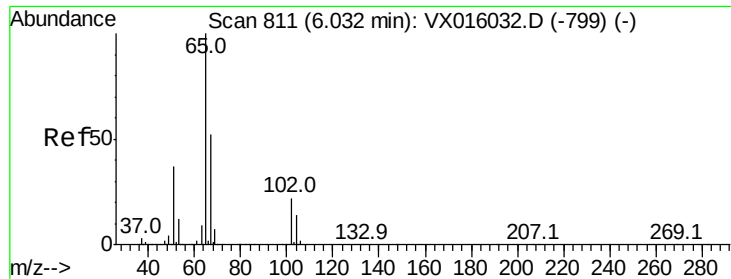


#31

Cyclohexane
Concen: 1.116 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016099.D
Acq: 07 May 2020 17:12

Tgt Ion: 56 Resp: 5578
Ion Ratio Lower Upper
56 100
69 191.7 25.0 37.6#
84 159.2 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 47.802 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016099.D

Acq: 07 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

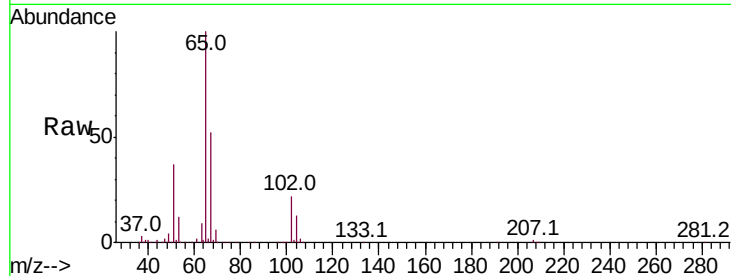
SS052MW159-200506

Tot Ion: 65 Resp: 171913

Ion Ratio Lower Upper

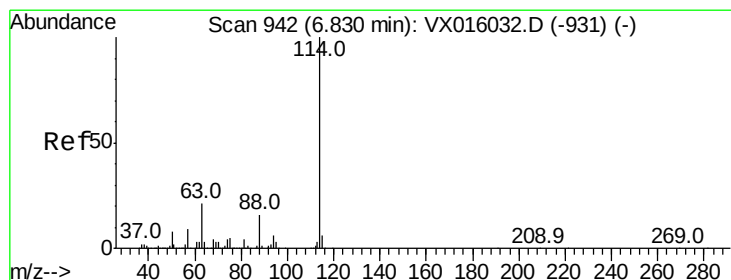
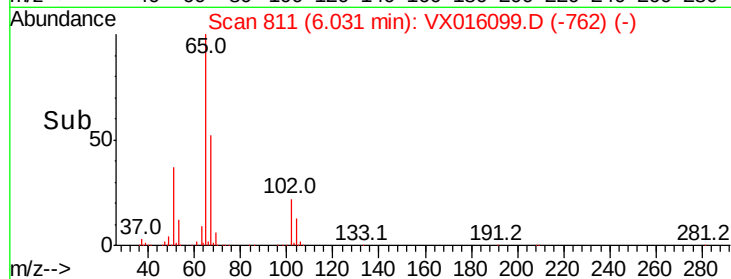
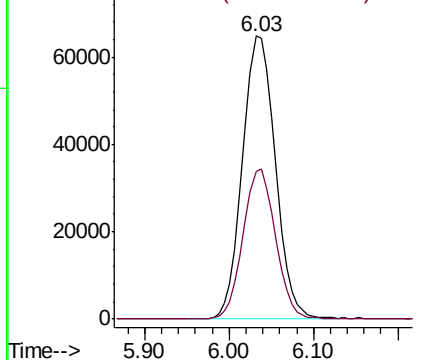
65 100

67 52.5 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: VX016099.D

Acq: 07 May 2020 17:12

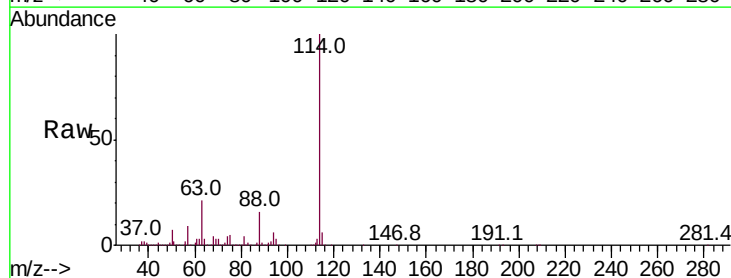
Tgt Ion: 114 Resp: 454207

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

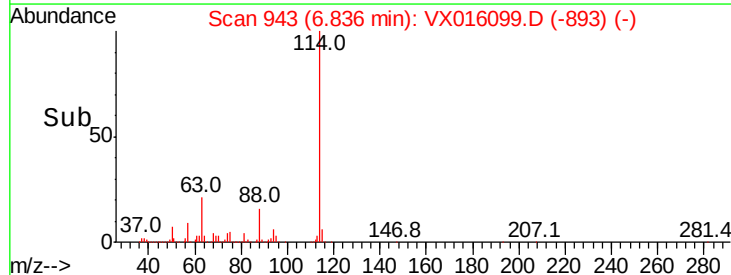
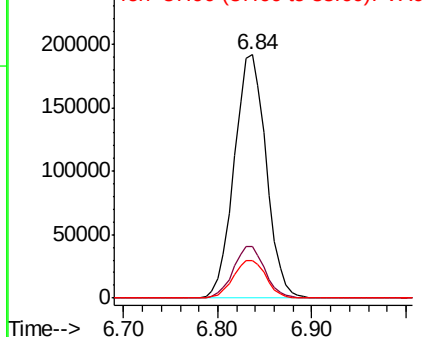
88 15.5 0.0 31.4

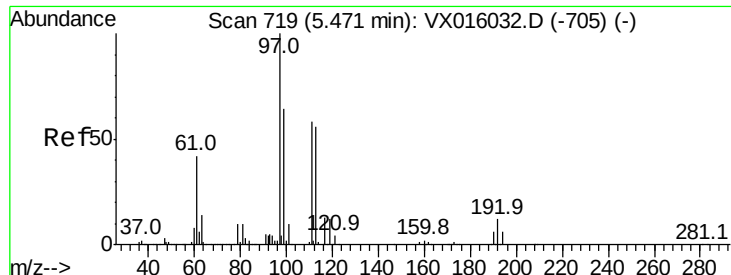


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.546 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016099.D

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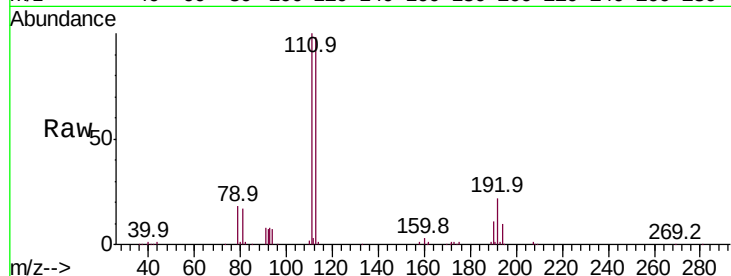
Tot Ion:113 Resp: 133942

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

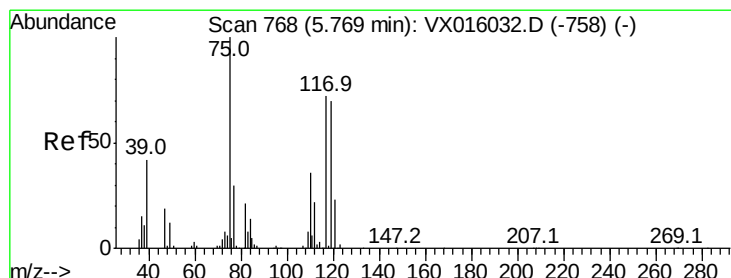
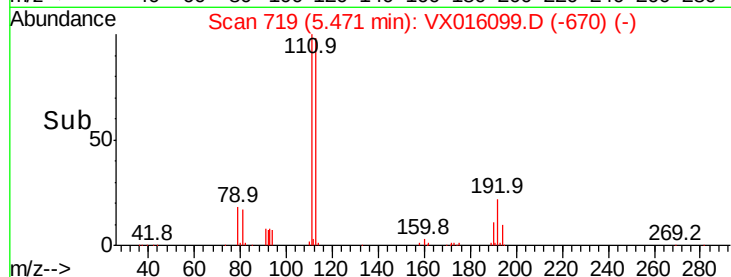
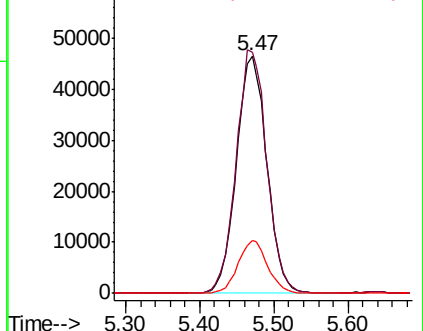
192 21.5 17.0 25.4



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: 4.616 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016099.D

Acq: 07 May 2020 17:12

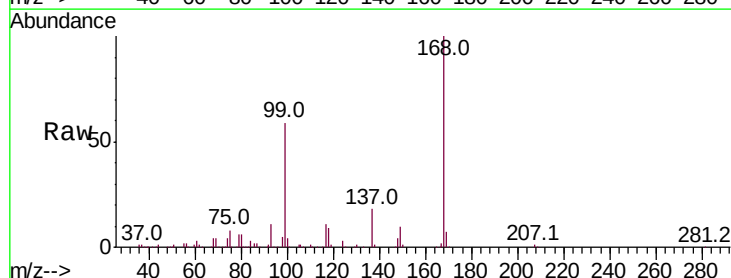
Tgt Ion: 75 Resp: 20637

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.1#

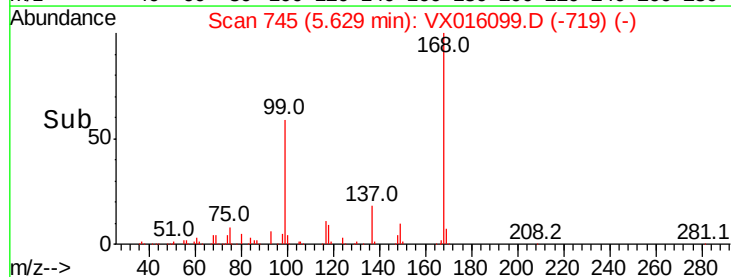
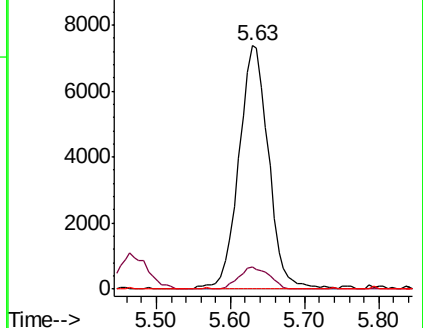
77 0.0 25.0 37.6#

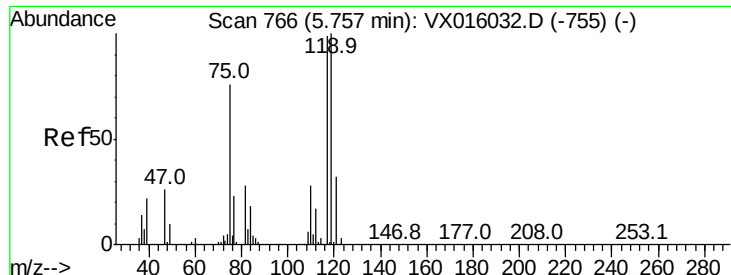


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.946 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016099.D

Acq: 07 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

SS052MW159-200506

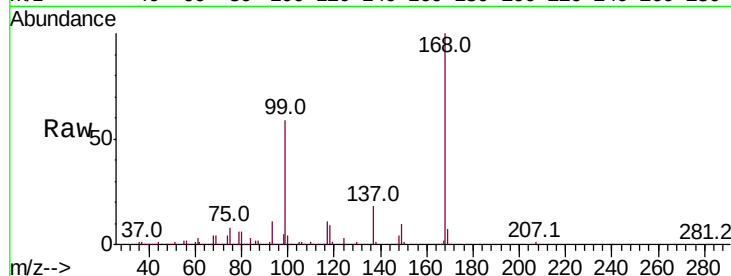
Tot Ion:117 Resp: 27023

Ion Ratio Lower Upper

117 100

119 5.9 80.3 120.5#

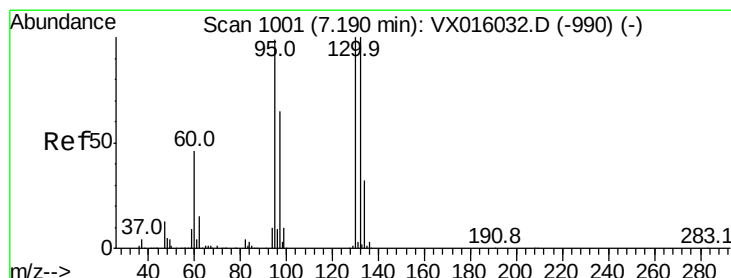
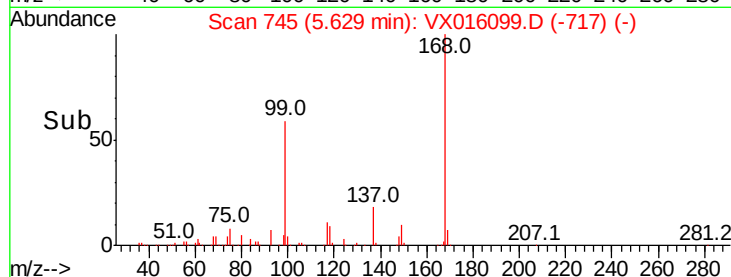
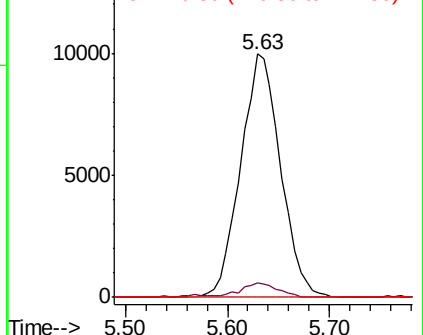
121 0.0 25.7 38.5#



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: 3.583 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016099.D

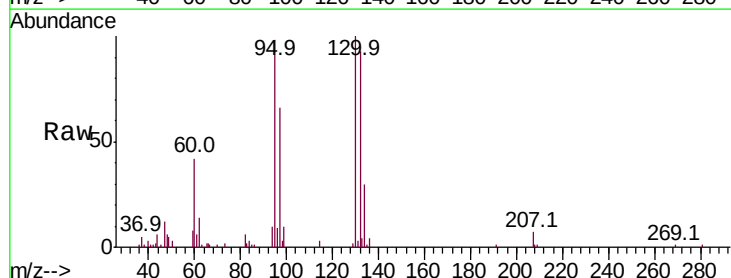
Acq: 07 May 2020 17:12

Tgt Ion:130 Resp: 16654

Ion Ratio Lower Upper

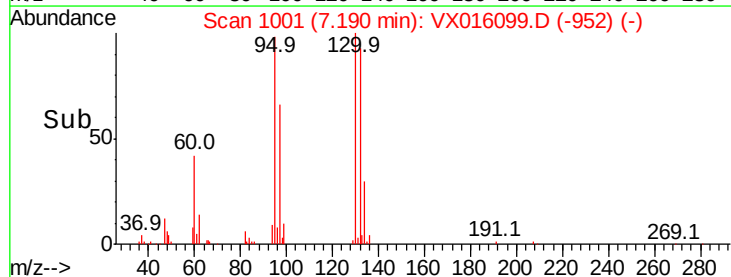
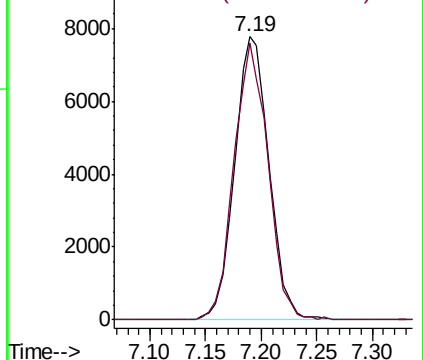
130 100

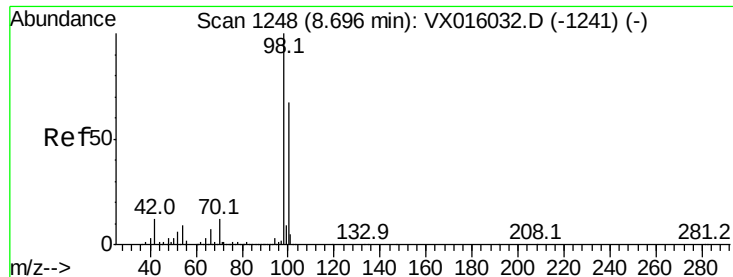
95 97.8 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

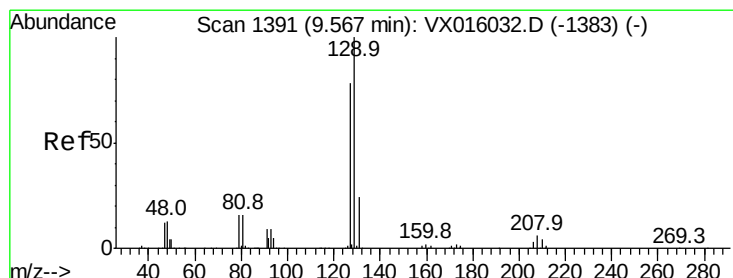
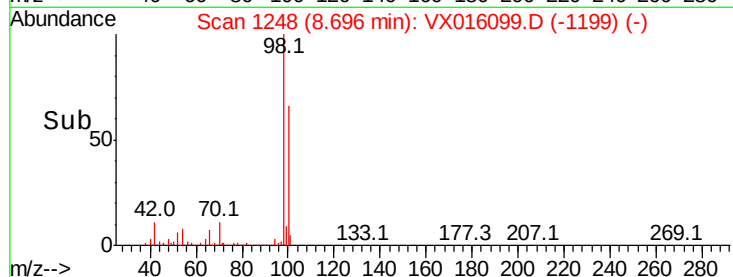
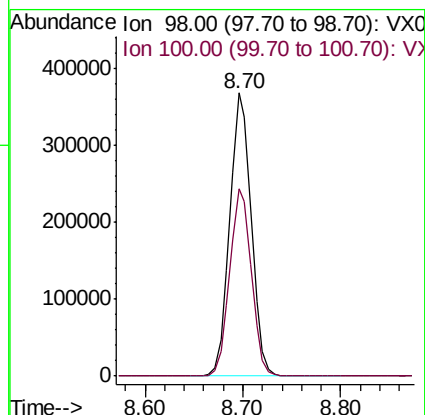
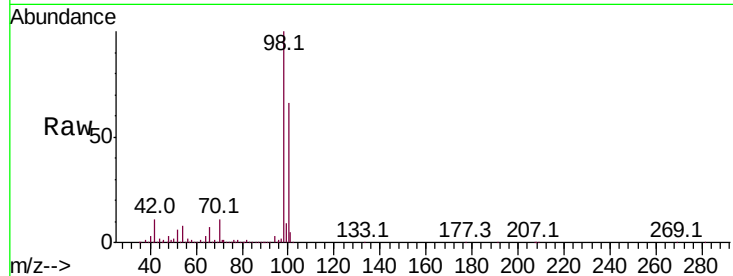




#50
Toluene-d8
Concen: 50.750 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016099.D
Acq: 07 May 2020 17:12

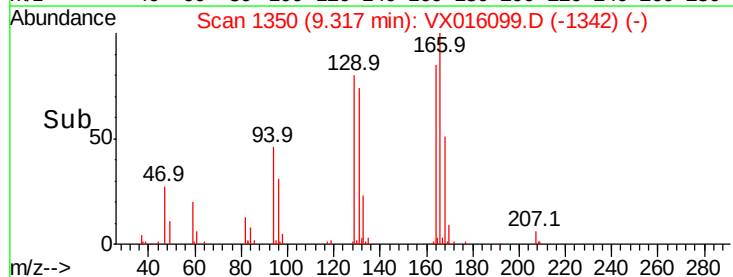
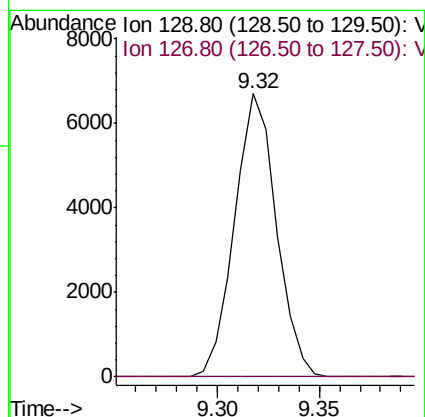
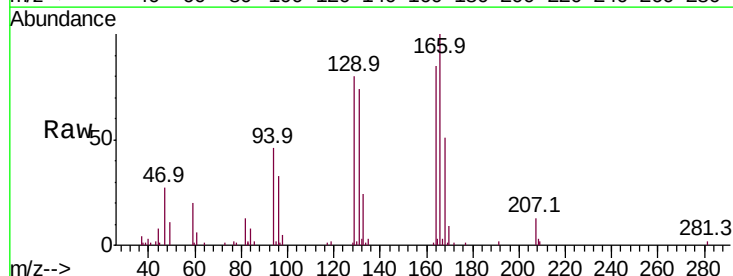
Instrument :
MSVOA_X
ClientSampleId :
SS052MW159-200506

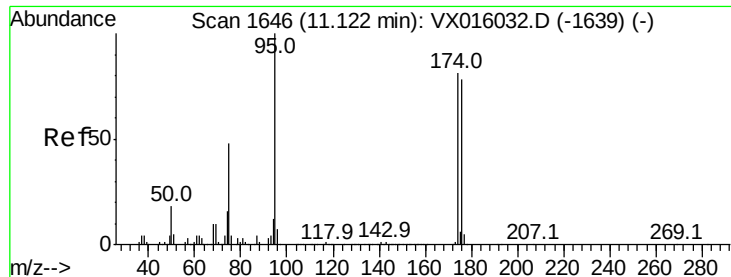
Tot Ion: 98 Resp: 562690
Ion Ratio Lower Upper
98 100
100 66.7 53.7 80.5



#60
Dibromochloromethane
Concen: 2.696 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.25 min
Lab File: VX016099.D
Acq: 07 May 2020 17:12

Tgt Ion: 129 Resp: 9525
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 54.058 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016099.D

Acq: 07 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

SS052MW159-200506

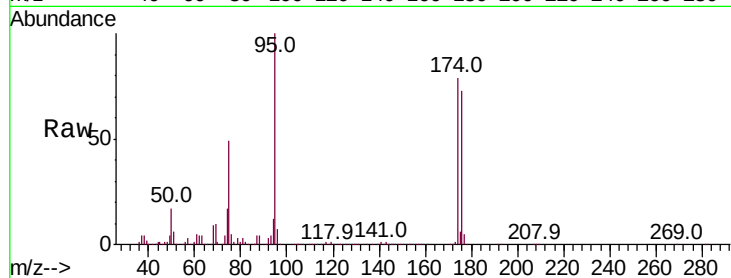
Tot Ion: 95 Resp: 227974

Ion Ratio Lower Upper

95 100

174 81.4 0.0 159.4

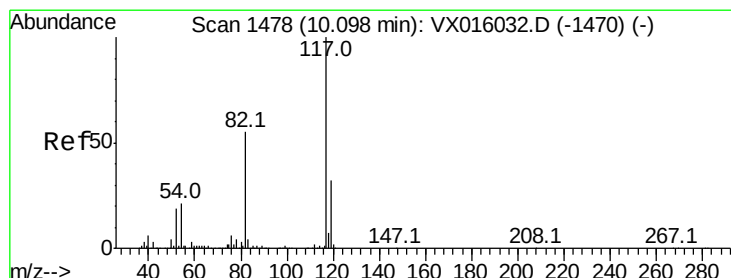
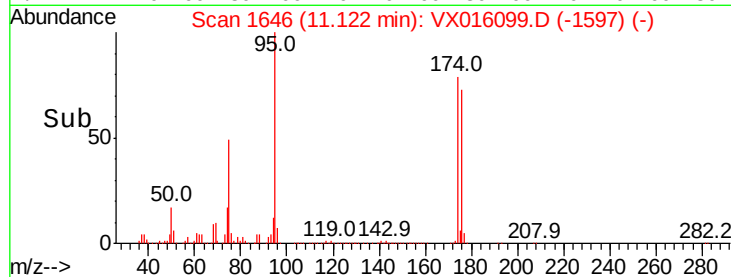
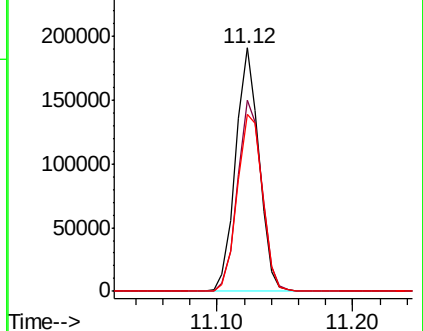
176 78.6 0.0 157.6



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: VX016099.D

Acq: 07 May 2020 17:12

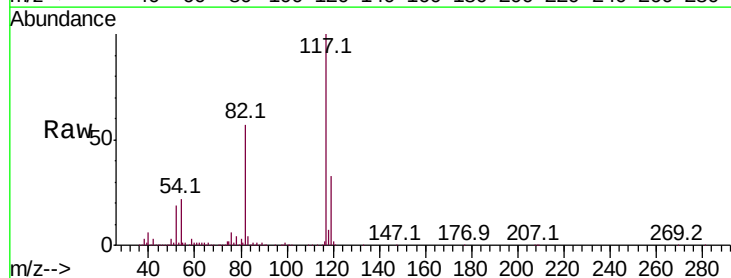
Tgt Ion: 117 Resp: 444813

Ion Ratio Lower Upper

117 100

82 56.8 44.4 66.6

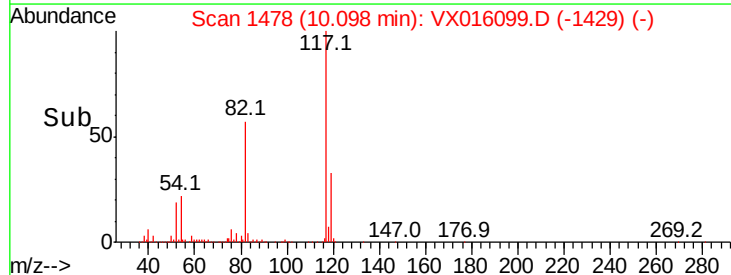
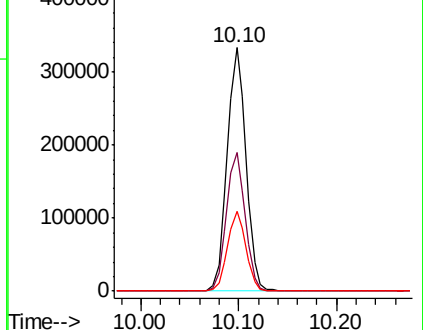
119 32.7 25.5 38.3

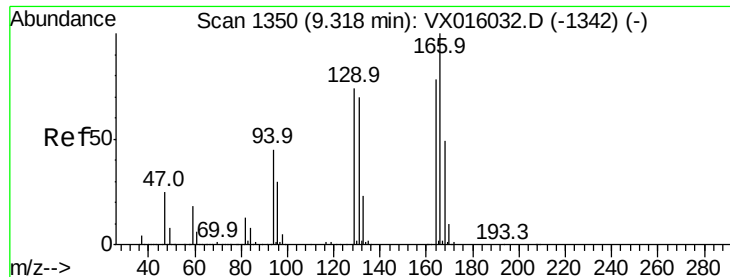


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 1.843 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016099.D

Acq: 07 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

SS052MW159-200506

Tot Ion:164 Resp: 10066

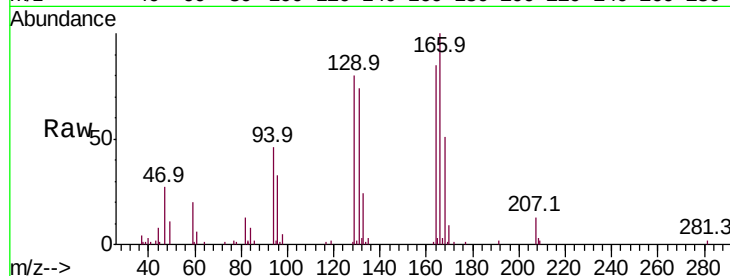
Ion Ratio Lower Upper

164 100

166 118.2 102.9 154.3

129 94.7 76.1 114.1

131 88.1 71.9 107.9



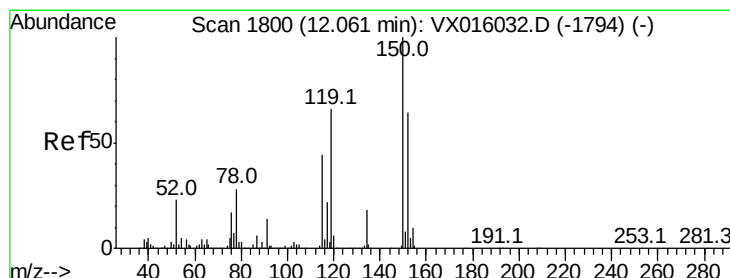
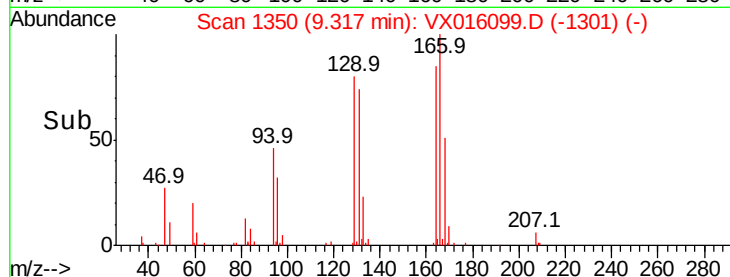
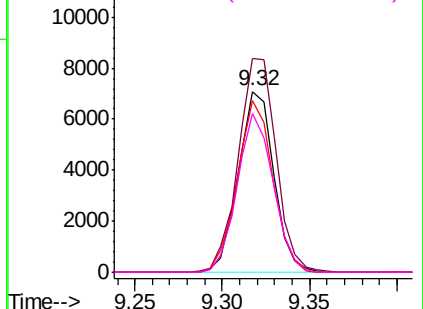
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016099.D

Acq: 07 May 2020 17:12

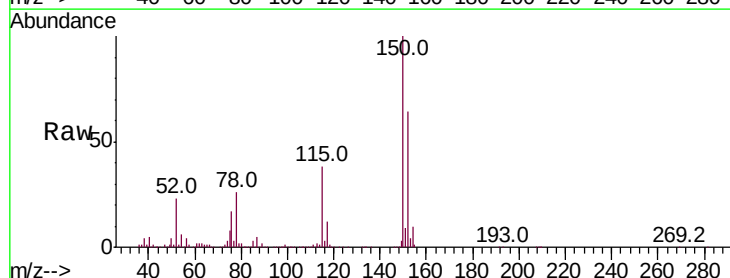
Tgt Ion:152 Resp: 233846

Ion Ratio Lower Upper

152 100

115 58.7 41.3 124.1

150 155.6 0.0 352.2

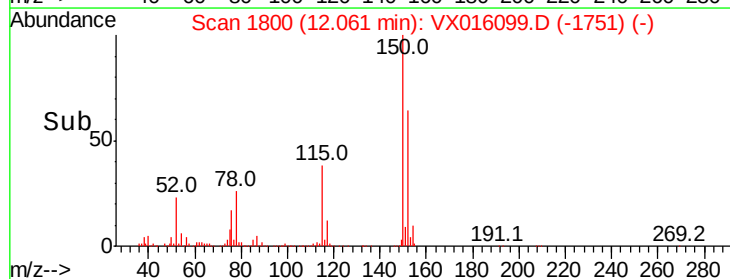
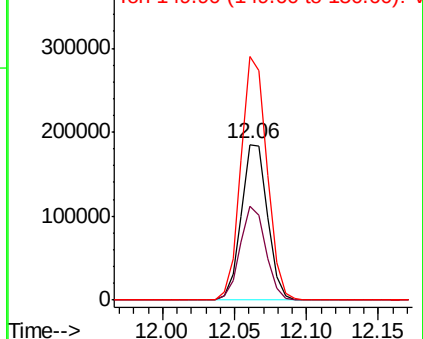


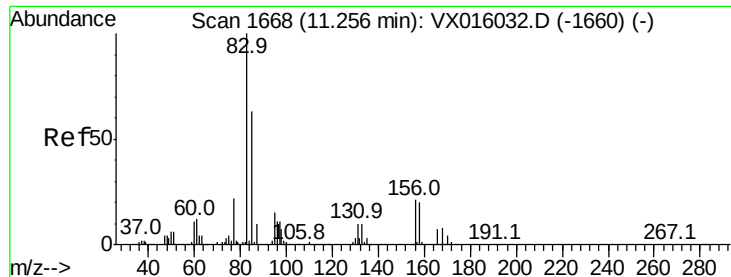
Abundance

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: 2.108 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016099.D

Acq: 07 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

SS052MW159-200506

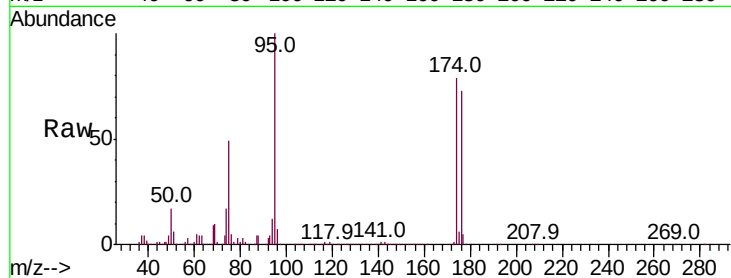
Tot Ion: 83 Resp: 187

Ion Ratio Lower Upper

83 100

131 196.3 5.1 15.4#

85 0.0 32.0 96.0#



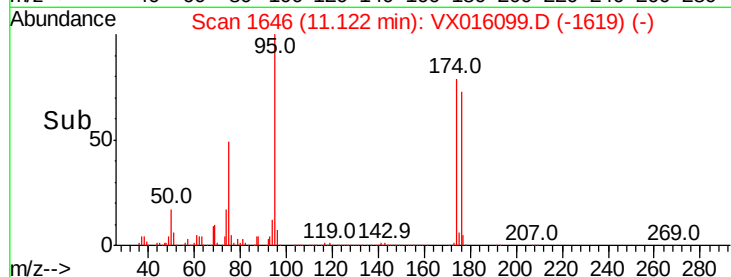
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

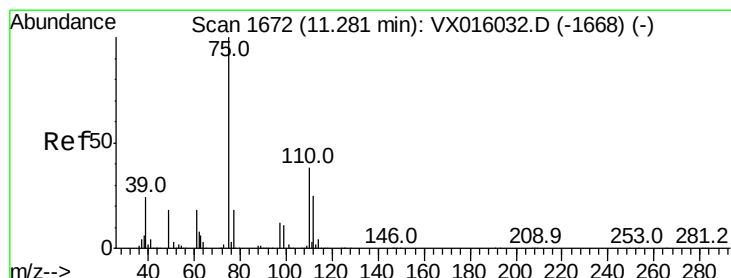
Ion 84.90 (84.60 to 85.60): VX0

11.12

11.10 11.15



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.620 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016099.D

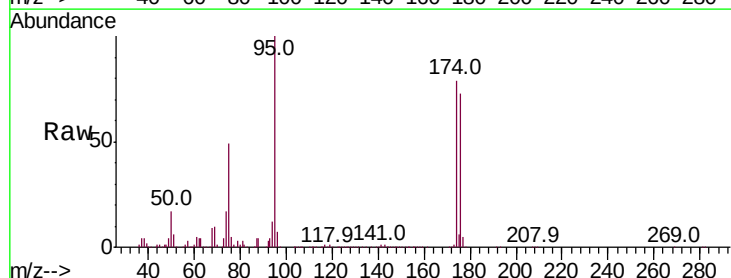
Acq: 07 May 2020 17:12

Tgt Ion: 75 Resp: 114728

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#

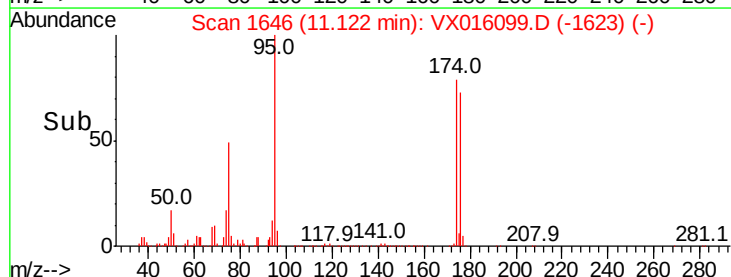


Abundance Ion 74.90 (74.60 to 75.60): VX0

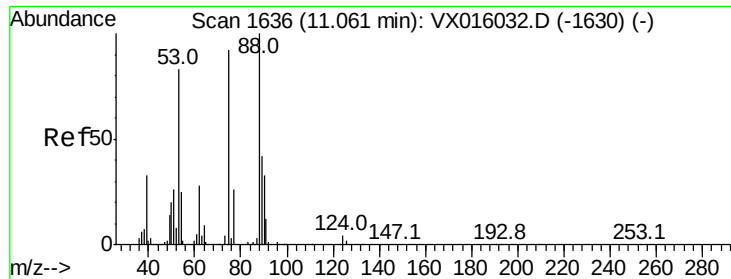
Ion 77.00 (76.70 to 77.70): VX0

11.12

11.10 11.20



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 51.523 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016099.D

Acq: 07 May 2020 17:12

Instrument :

MSVOA_X

ClientSampleId :

SS052MW159-200506

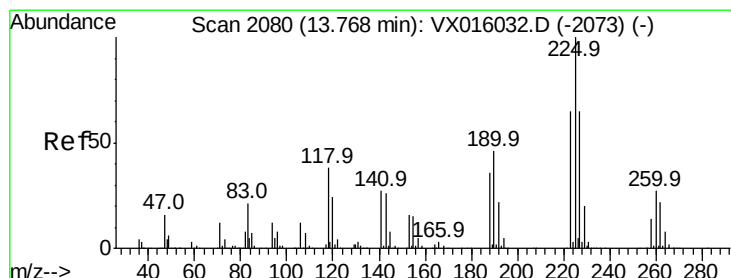
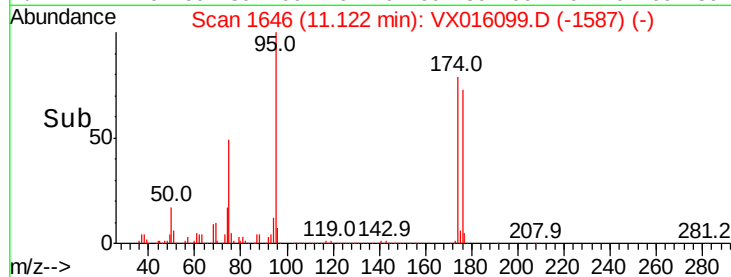
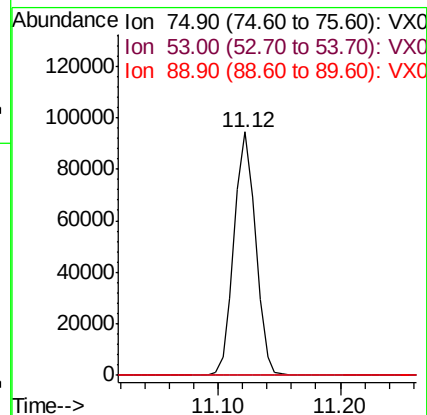
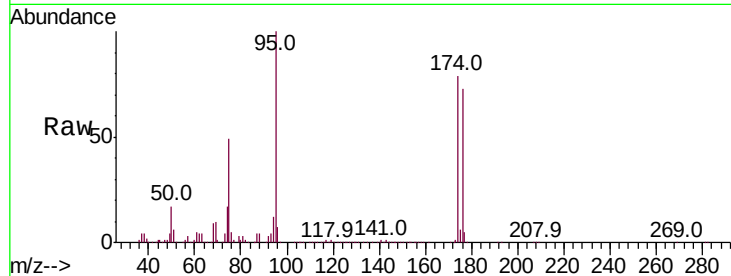
Tot Ion: 75 Resp: 114728

Ion Ratio Lower Upper

75 100

53 0.1 73.1 109.7#

89 0.0 36.7 55.1#



#94

Hexachlorobutadiene

Concen: 0.553 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016099.D

Acq: 07 May 2020 17:12

Tgt Ion: 225 Resp: 73

Ion Ratio Lower Upper

225 100

223 0.0 32.3 96.9#

227 31.5 31.8 95.4#

