

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
 Data File : VX011273.D
 Acq On : 01 Aug 2019 21:17
 Operator : JC/SP
 Sample : K4118-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW127I-20190730

Quant Time: Aug 02 02:08:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	142433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	231828	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	219238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100212	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	73838	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
35) Dibromofluoromethane	5.49	113	71612	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
50) Toluene-d8	8.71	98	276891	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	11.13	95	94153	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	

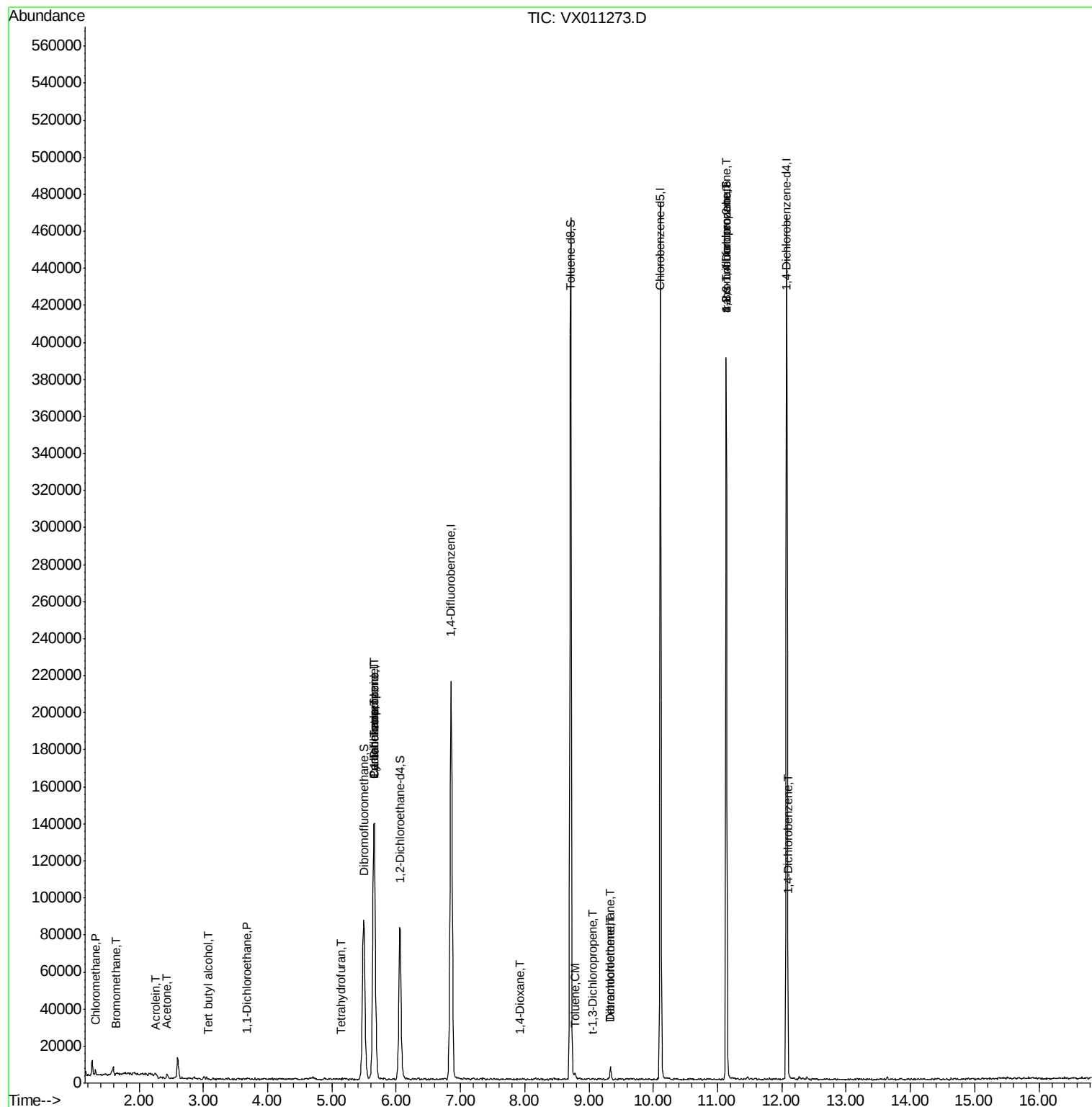
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1933	1.565	ug/l #	84
5) Bromomethane	1.64	94	701	0.723	ug/l #	76
6) Chloroethane	1.73	64	157	Below Cal	#	43
11) Tert butyl alcohol	3.07	59	121	0.446	ug/l #	72
13) Acrolein	2.27	56	138	0.355	ug/l #	1
16) Acetone	2.43	43	3247	4.756	ug/l #	88
24) 1,1-Dichloroethane	3.68	63	525	0.234	ug/l #	80
29) Tetrahydrofuran	5.13	42	121	0.203	ug/l #	29
31) Cyclohexane	5.65	56	2910	1.575	ug/l #	27
36) 1,1-Dichloropropene	5.65	75	9120	4.506	ug/l #	50
38) Carbon Tetrachloride	5.65	117	13029	6.398	ug/l #	15
49) 1,4-Dioxane	7.93	88	65	1.468	ug/l #	1
52) Toluene	8.78	92	878	0.220	ug/l	95
53) t-1,3-Dichloropropene	9.05	75	68	2.867	ug/l #	43
60) Dibromochloromethane	9.34	129	1176	0.700	ug/l #	10
64) Tetrachloroethene	9.34	164	1260	0.677	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	45378	24.865	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	45378	64.911	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	946	0.273	ug/l #	1

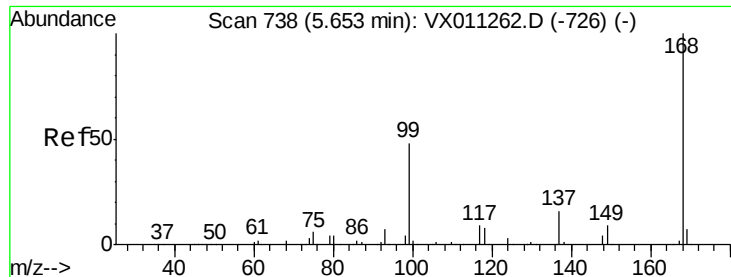
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011273.D

Acq: 01 Aug 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

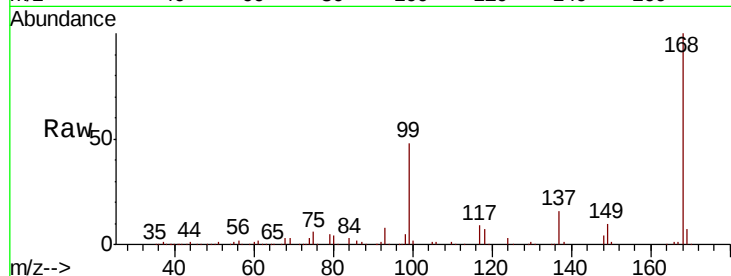
SA-MW127I-20190730

Tot Ion:168 Resp: 142433

Ion Ratio Lower Upper

168 100

99 48.5 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

30000

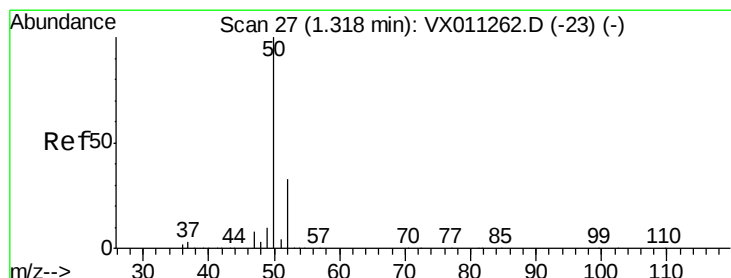
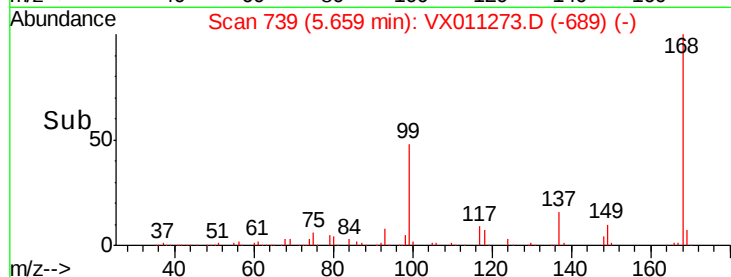
20000

10000

0

Time-->

5.60 5.70



#3

Chloromethane

Concen: 1.565 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011273.D

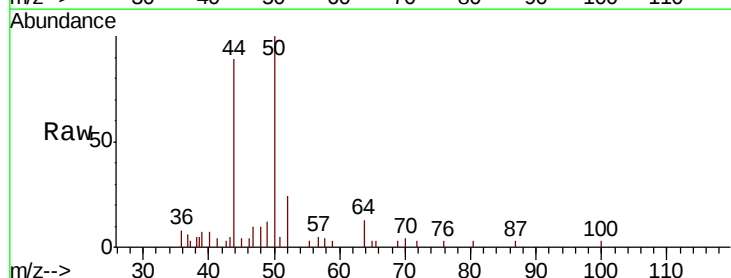
Acq: 01 Aug 2019 21:17

Tgt Ion: 50 Resp: 1933

Ion Ratio Lower Upper

50 100

52 23.9 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

1500

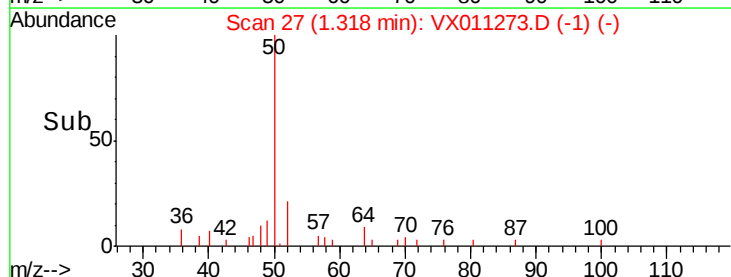
1000

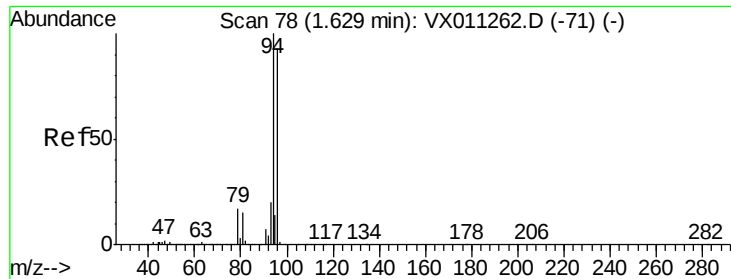
500

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.723 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011273.D

Acq: 01 Aug 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

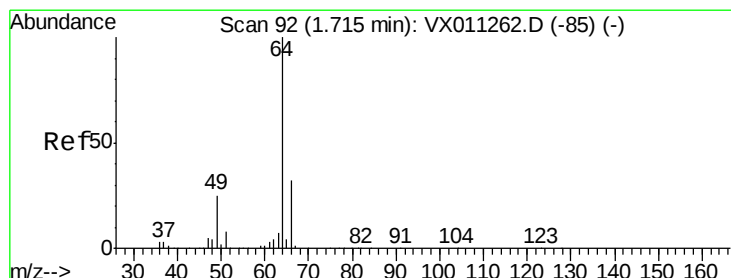
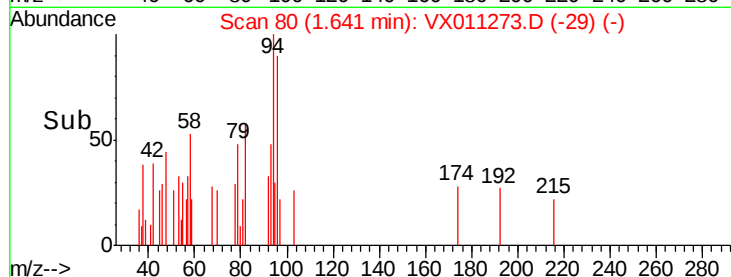
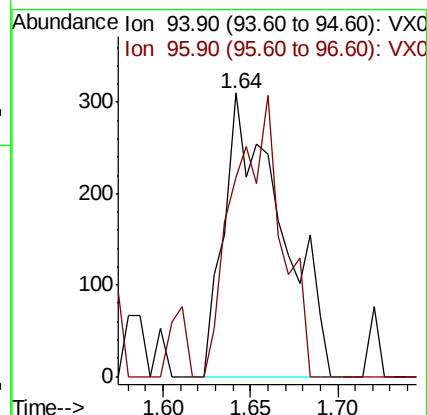
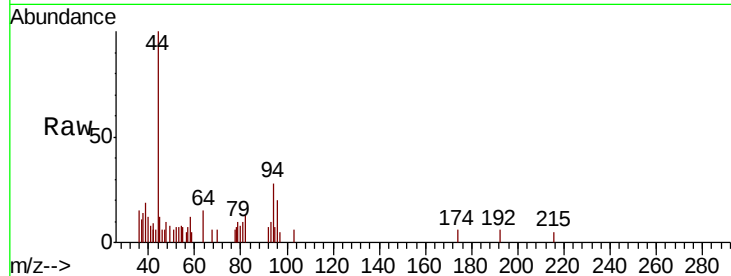
SA-MW127I-20190730

Tot Ion: 94 Resp: 701

Ion Ratio Lower Upper

94 100

96 70.3 74.6 112.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011273.D

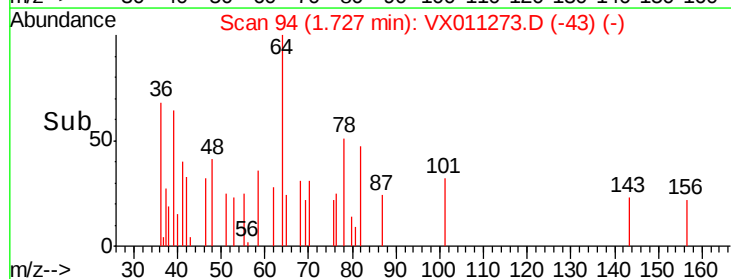
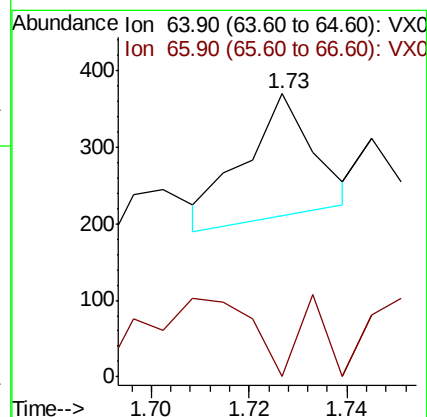
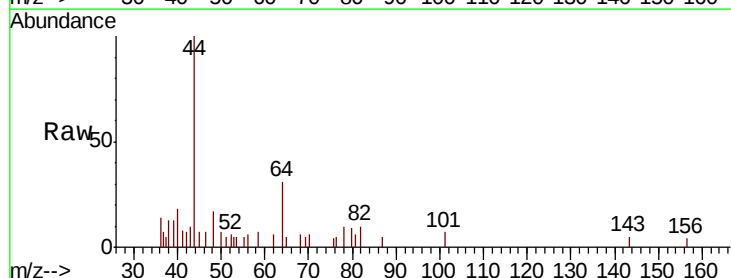
Acq: 01 Aug 2019 21:17

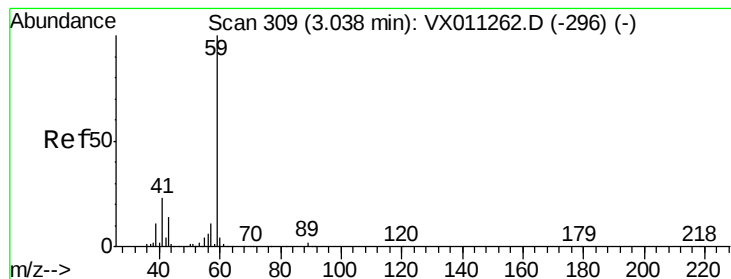
Tgt Ion: 64 Resp: 157

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



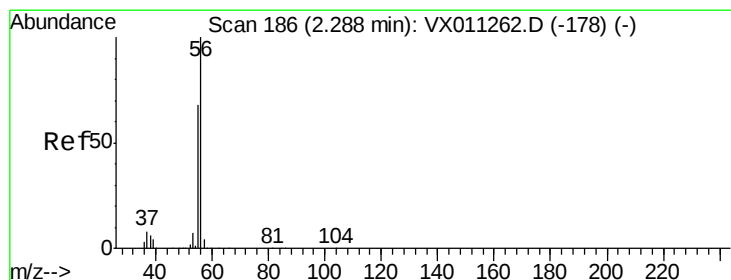
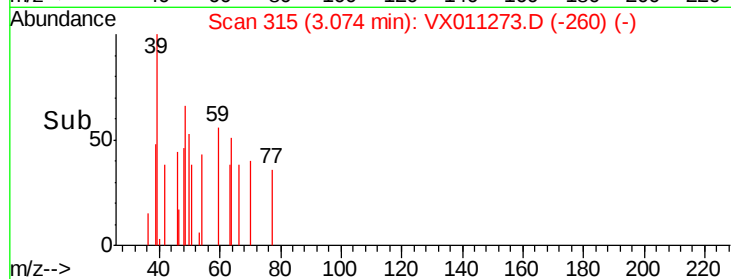
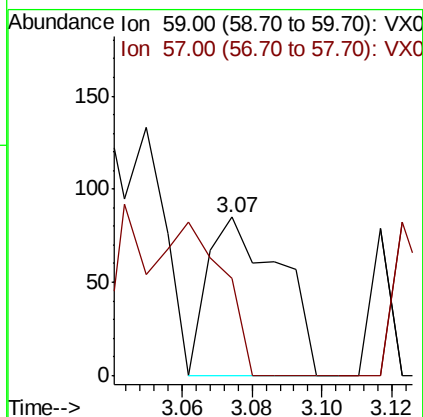
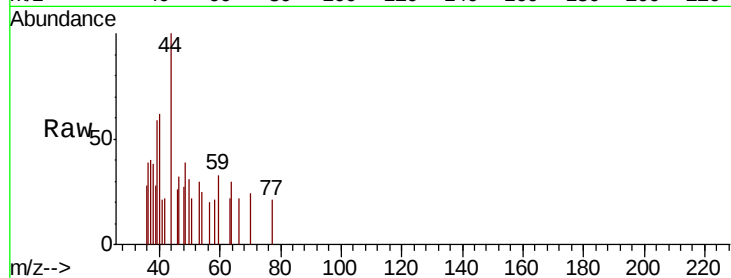


#11

Tert butyl alcohol
 Concen: 0.446 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. 0.04 min
 Lab File: VX011273.D
 Acq: 01 Aug 2019 21:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW127I-20190730

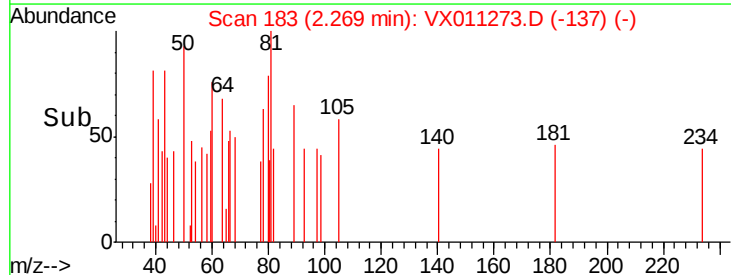
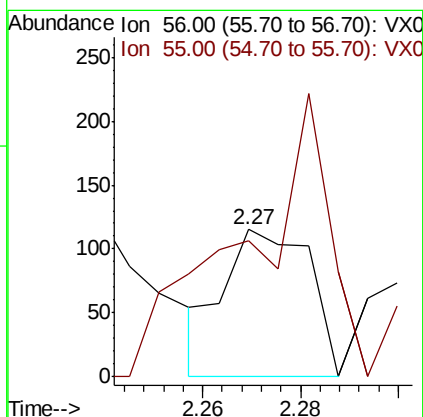
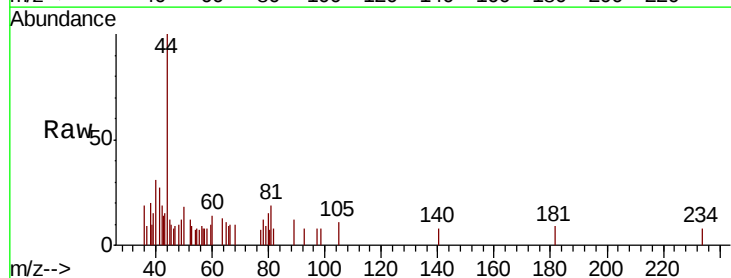
Tot Ion: 59 Resp: 121
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

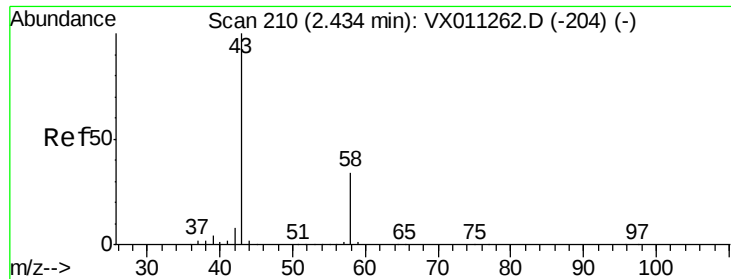


#13

Acrolein
 Concen: 0.355 ug/l
 RT: 2.27 min Scan# 183
 Delta R.T. -0.02 min
 Lab File: VX011273.D
 Acq: 01 Aug 2019 21:17

Tgt Ion: 56 Resp: 138
 Ion Ratio Lower Upper
 56 100
 55 195.7 56.0 84.0#





#16

Acetone

Concen: 4.756 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011273.D

Acq: 01 Aug 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

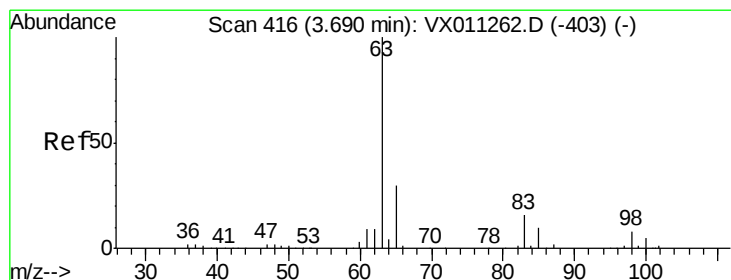
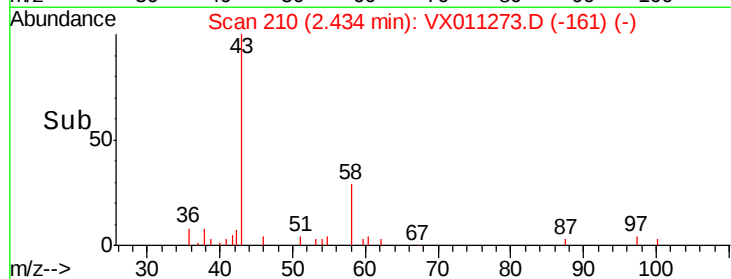
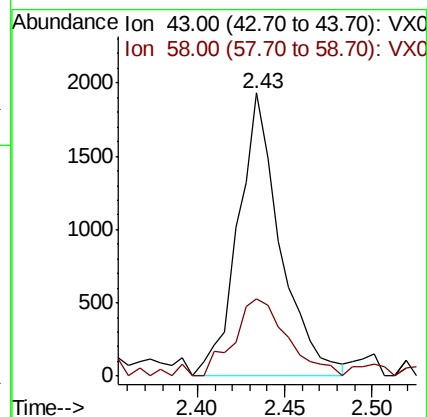
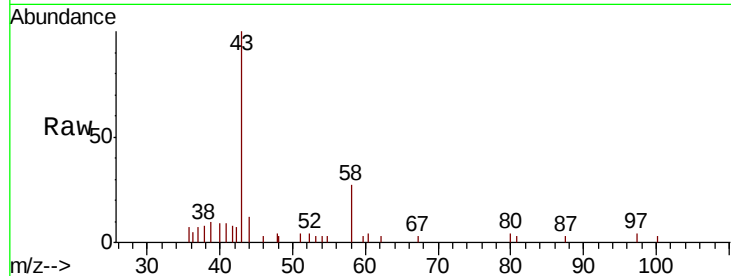
SA-MW127I-20190730

Tot Ion: 43 Resp: 3247

Ion Ratio Lower Upper

43 100

58 27.1 27.4 41.0#



#24

1,1-Dichloroethane

Concen: 0.234 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011273.D

Acq: 01 Aug 2019 21:17

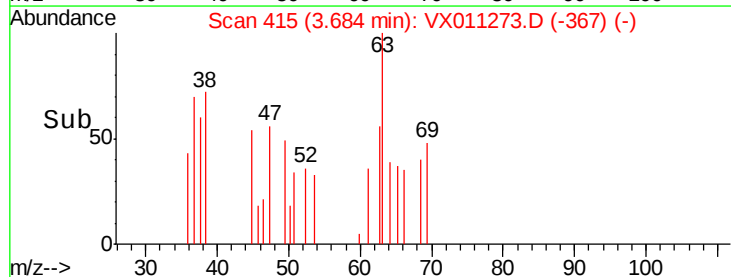
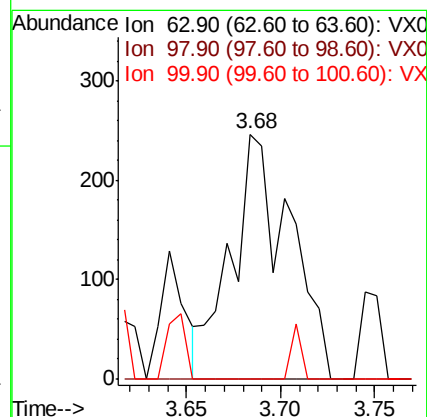
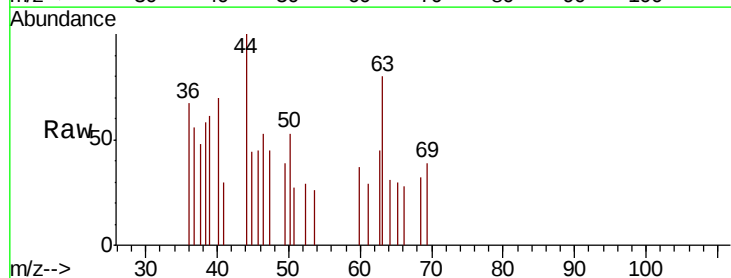
Tgt Ion: 63 Resp: 525

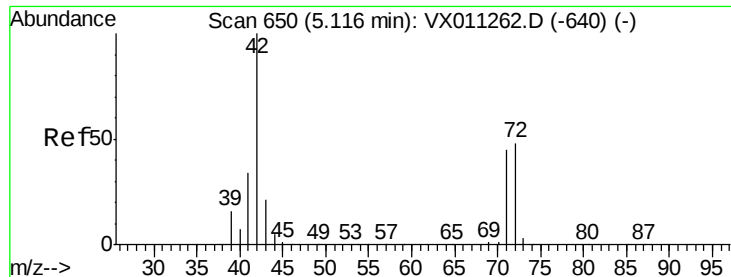
Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.5#

100 0.0 2.7 8.1#





#29

Tetrahydrofuran

Concen: 0.203 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.02 min

Lab File: VX011273.D

Acq: 01 Aug 2019 21:17

Instrument :

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ClientSampleId :

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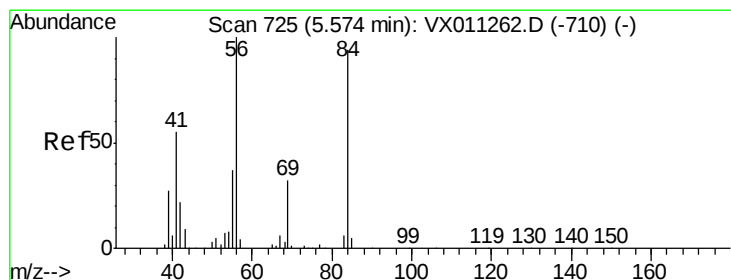
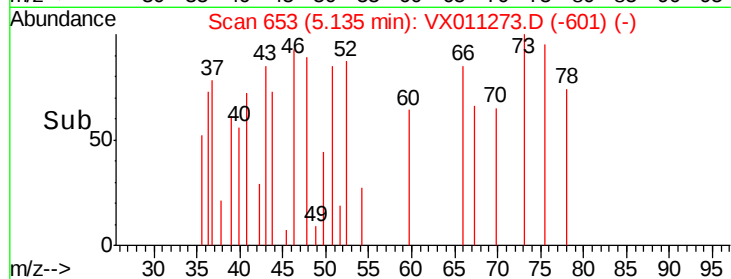
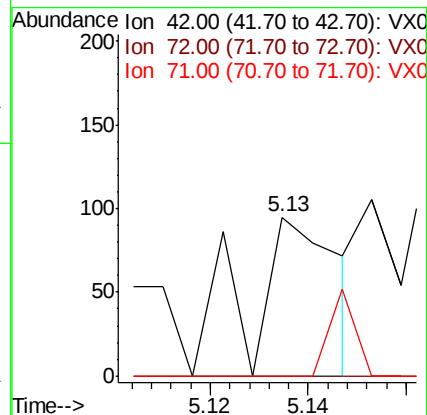
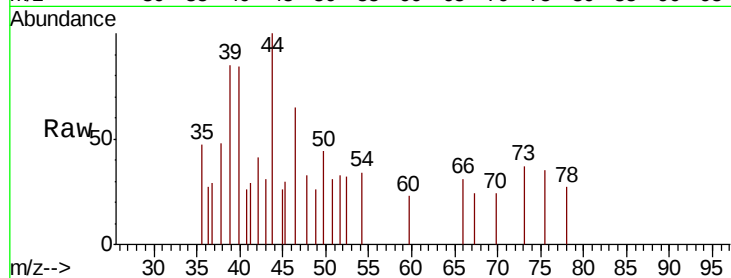
Tot Ion: 42 Resp: 121

Ion Ratio Lower Upper

42 100

72 0.0 39.9 59.9#

71 0.0 36.9 55.3#



#31

Cyclohexane

Concen: 1.575 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX011273.D

Acq: 01 Aug 2019 21:17

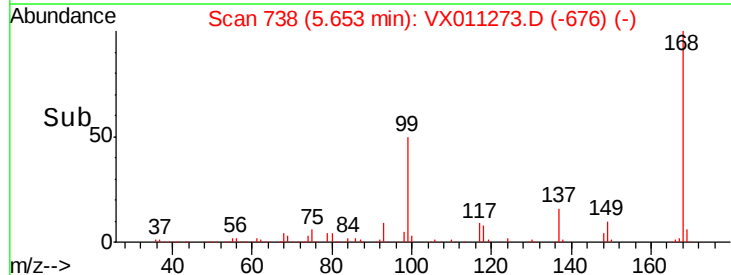
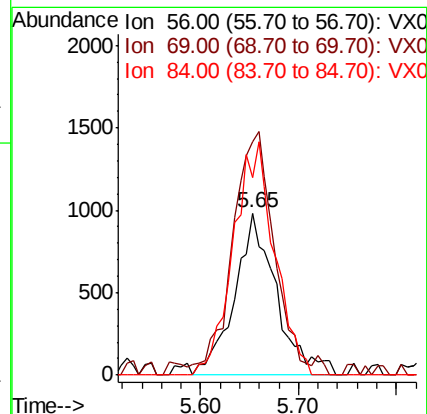
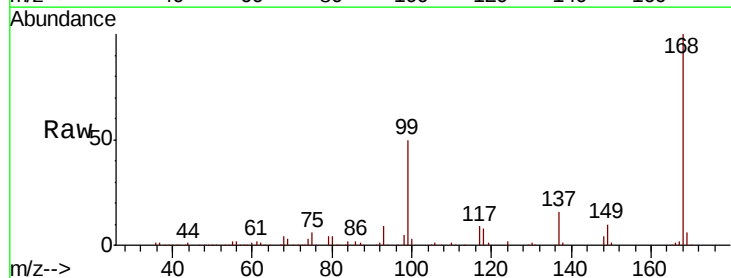
Tgt Ion: 56 Resp: 2910

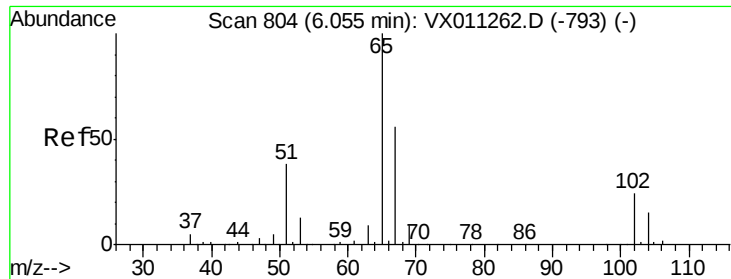
Ion Ratio Lower Upper

56 100

69 143.9 25.5 38.3#

84 121.8 75.0 112.4#

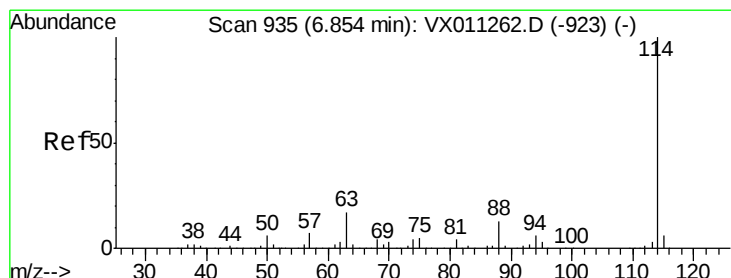
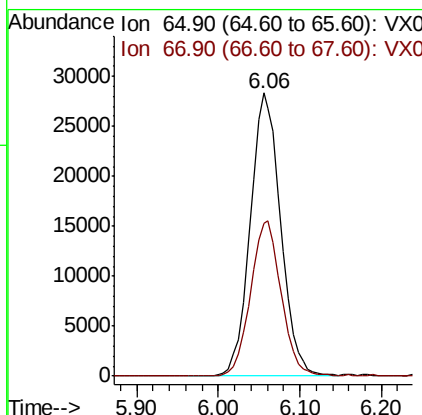
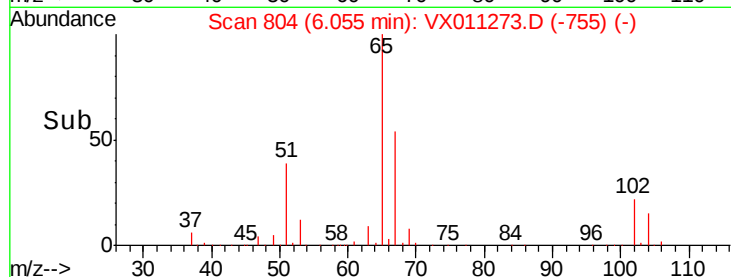
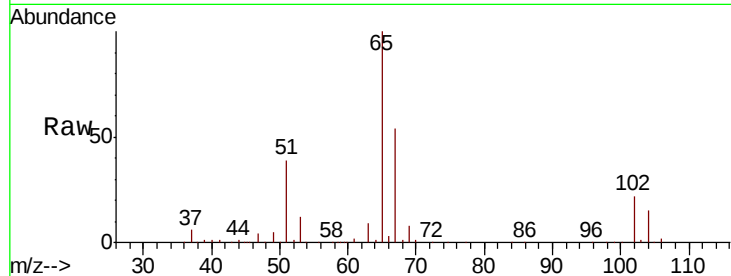




#33
 1,2-Dichloroethane-d4
 Concen: 51.477 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011273.D
 Acq: 01 Aug 2019 21:17

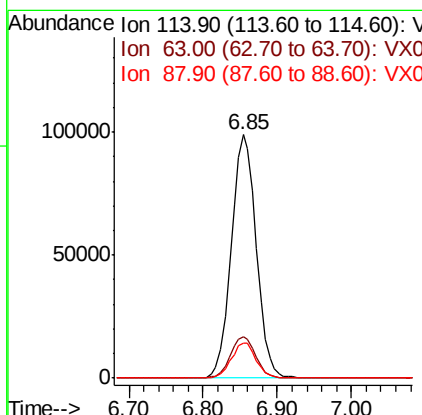
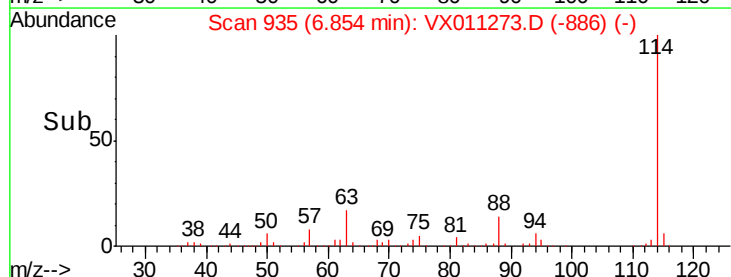
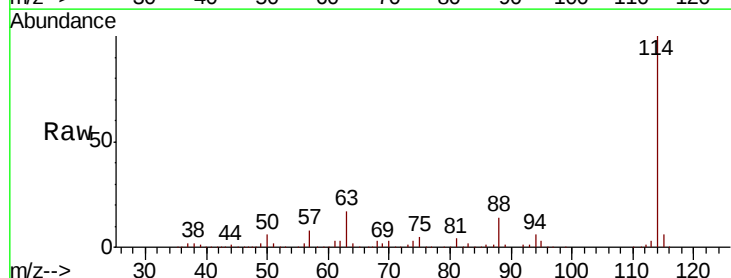
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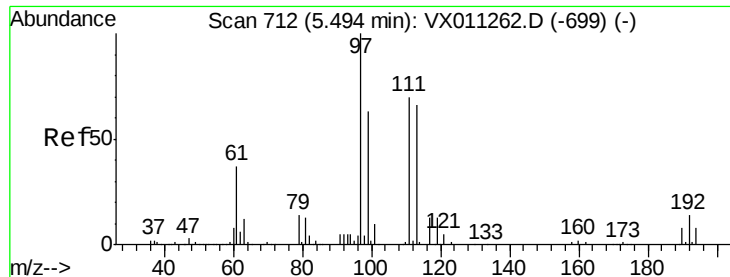
Tot Ion: 65 Resp: 73838
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011273.D
 Acq: 01 Aug 2019 21:17

Tgt Ion: 114 Resp: 231828
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 34.0
 88 14.3 0.0 26.4

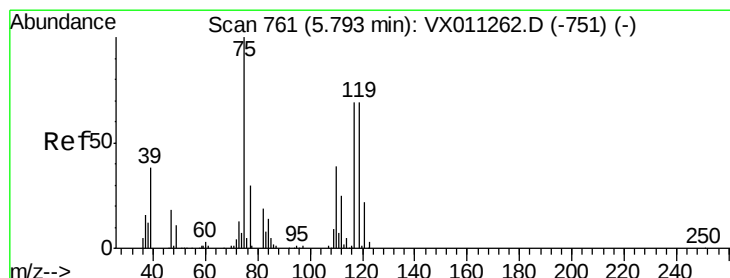
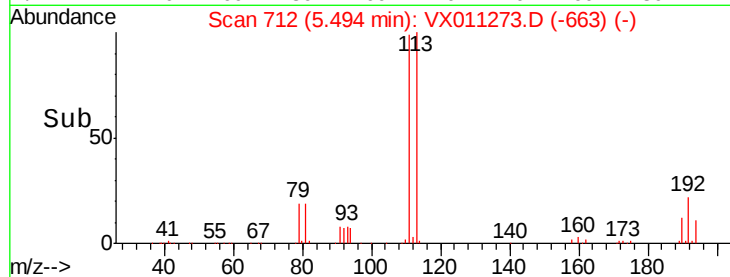
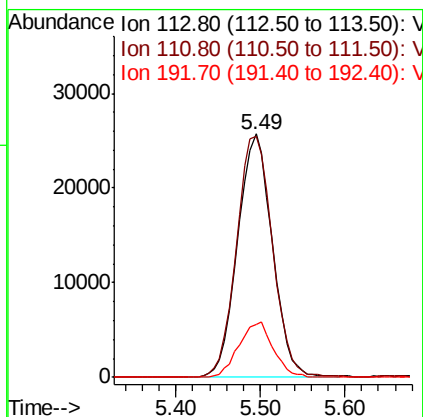
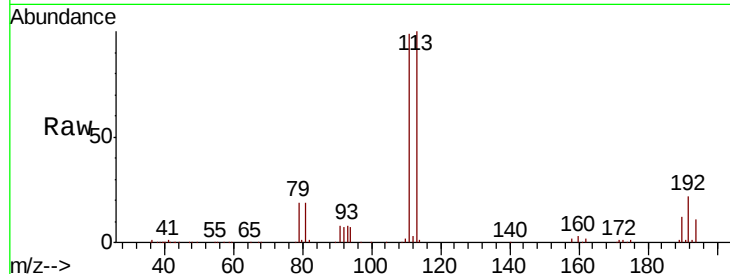




#35
 Dibromofluoromethane
 Concen: 47.314 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011273.D
 Acq: 01 Aug 2019 21:17

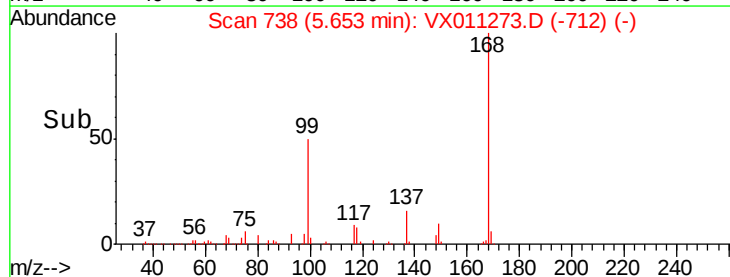
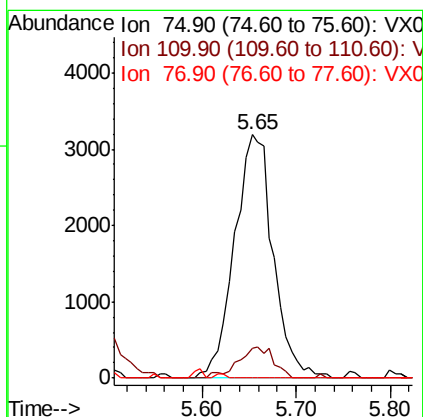
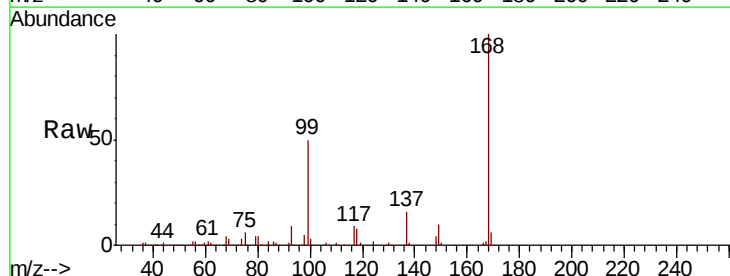
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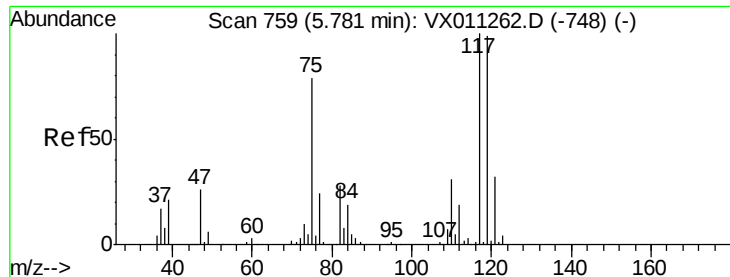
Tot Ion:113 Resp: 71612
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.9 122.9
 192 22.6 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.506 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011273.D
 Acq: 01 Aug 2019 21:17

Tgt Ion: 75 Resp: 9120
 Ion Ratio Lower Upper
 75 100
 110 11.9 20.0 59.9#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.398 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011273.D

Acq: 01 Aug 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

SA-MW127I-20190730

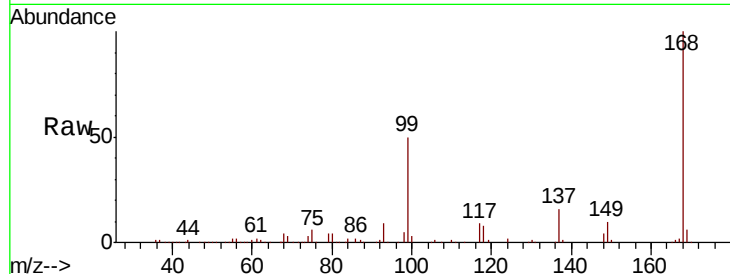
Tot Ion:117 Resp: 13029

Ion Ratio Lower Upper

117 100

119 5.8 79.0 118.4#

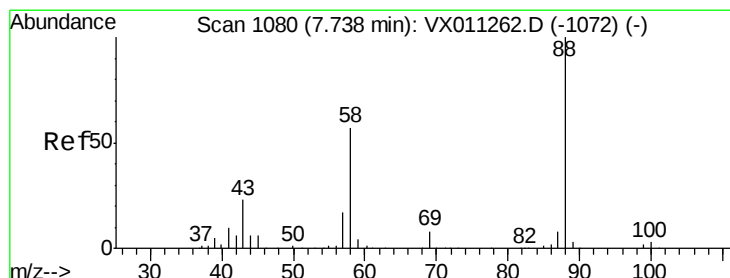
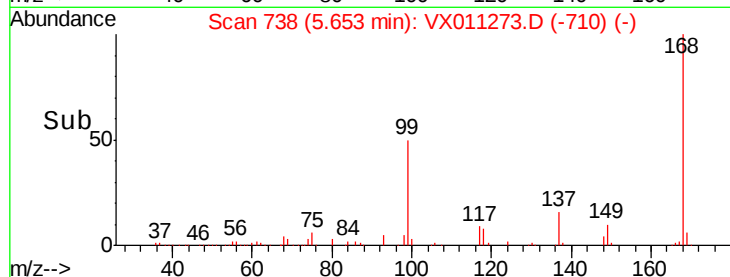
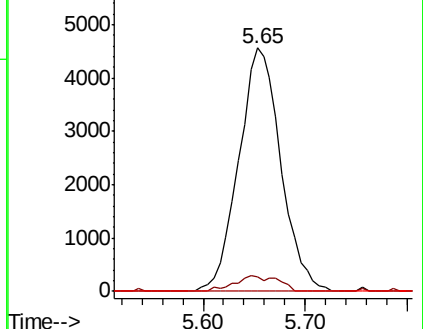
121 0.0 25.9 38.9#



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



#49

1,4-Dioxane

Concen: 1.468 ug/l

RT: 7.93 min Scan# 1112

Delta R.T. 0.20 min

Lab File: VX011273.D

Acq: 01 Aug 2019 21:17

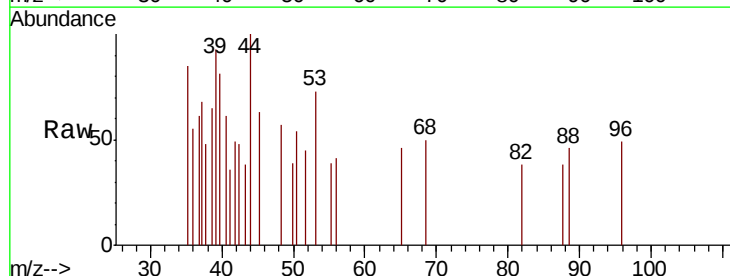
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 296.9 22.2 33.2#

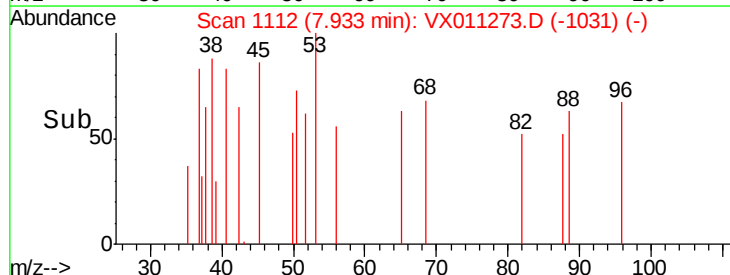
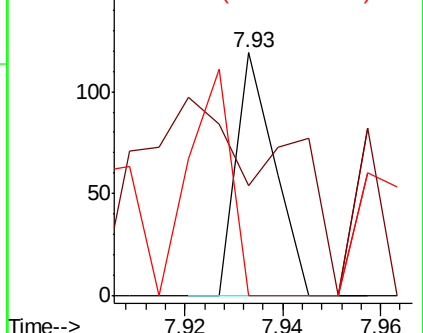
58 100.0 47.8 71.8#

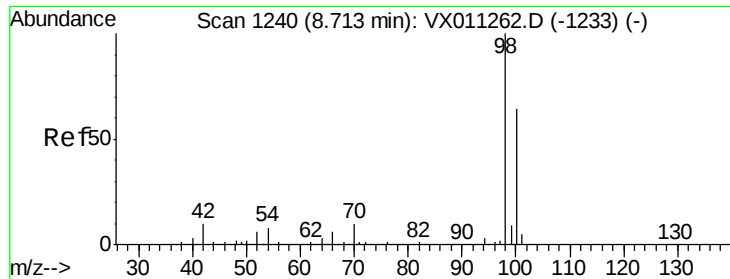


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.465 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011273.D

Acq: 01 Aug 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

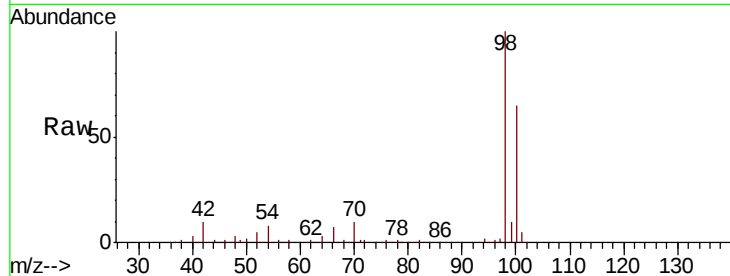
SA-MW127I-20190730

Tot Ion: 98 Resp: 276891

Ion Ratio Lower Upper

98 100

100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

200000

150000

100000

50000

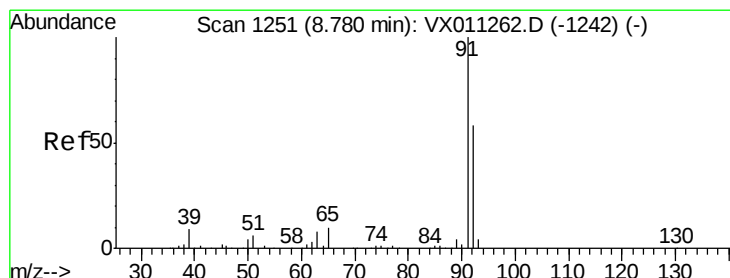
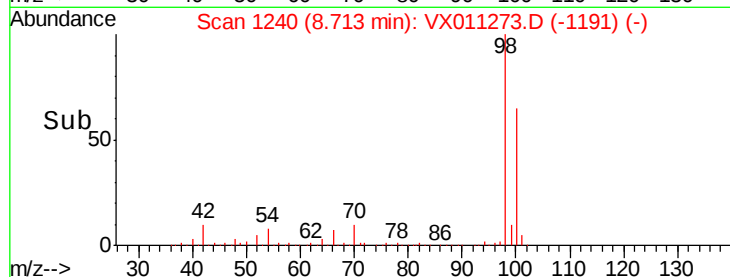
0

Time-->

8.60

8.70

8.80



#52

Toluene

Concen: 0.220 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011273.D

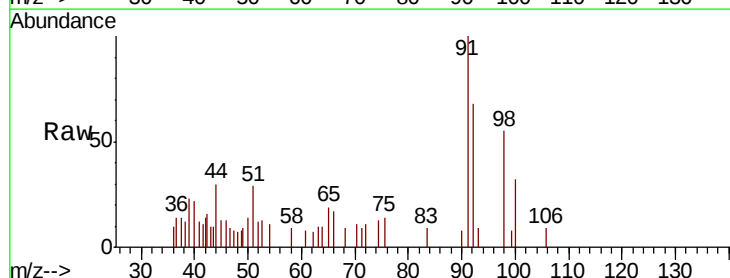
Acq: 01 Aug 2019 21:17

Tgt Ion: 92 Resp: 878

Ion Ratio Lower Upper

92 100

91 167.2 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

800

600

400

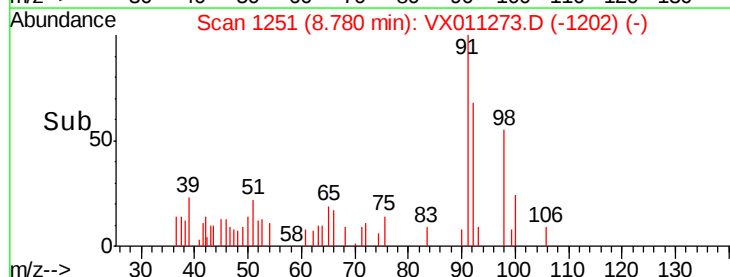
200

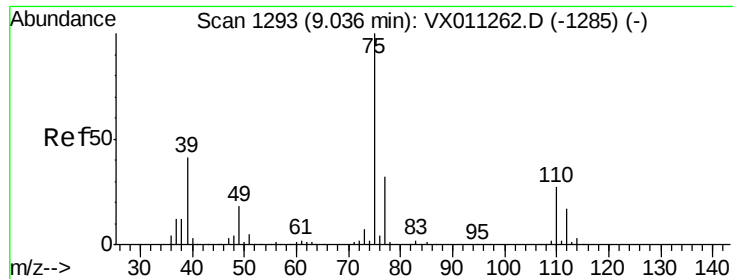
0

Time-->

8.75

8.80

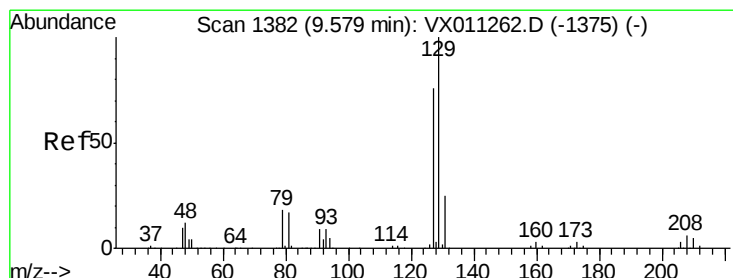
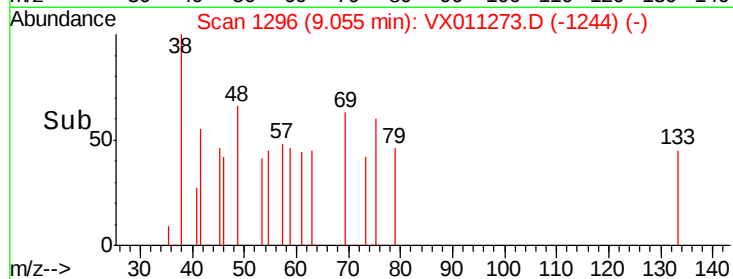
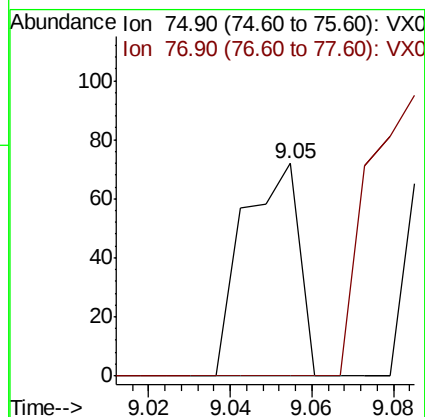
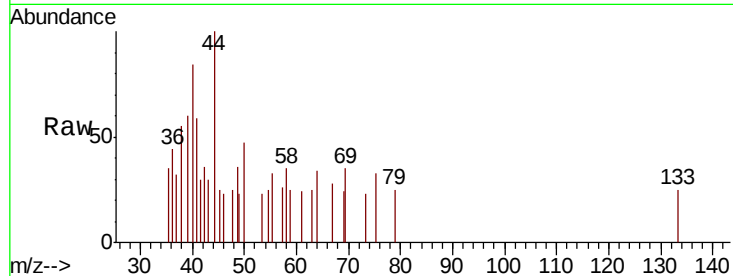




#53
t-1,3-Dichloropropene
Concen: 2.867 ug/l
RT: 9.05 min Scan# 1296
Delta R.T. 0.02 min
Lab File: VX011273.D
Acq: 01 Aug 2019 21:17

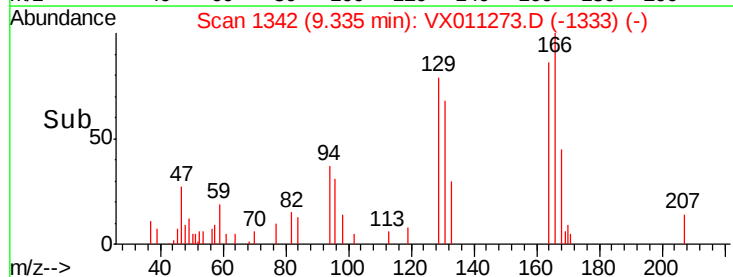
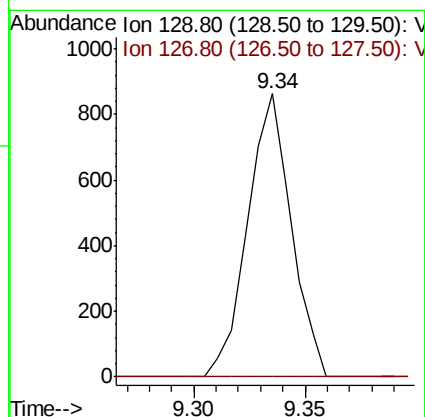
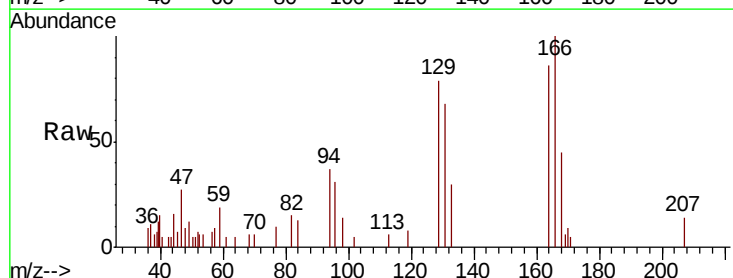
Instrument :
MSVOA_X
ClientSampleId :
SA-MW127I-20190730

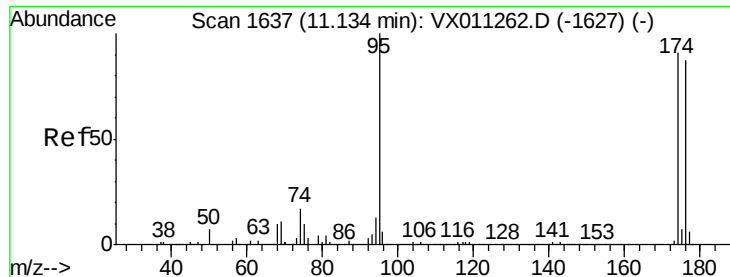
Tot Ion: 75 Resp: 68
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#60
Dibromochloromethane
Concen: 0.700 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX011273.D
Acq: 01 Aug 2019 21:17

Tgt Ion:129 Resp: 1176
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#

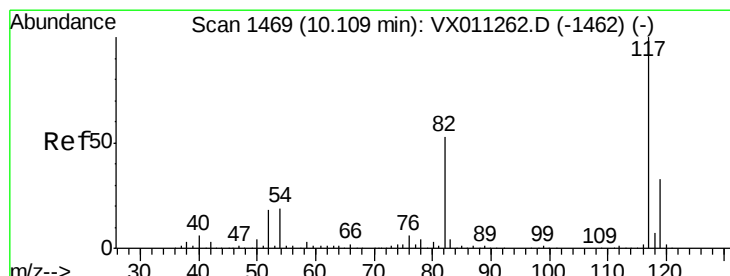
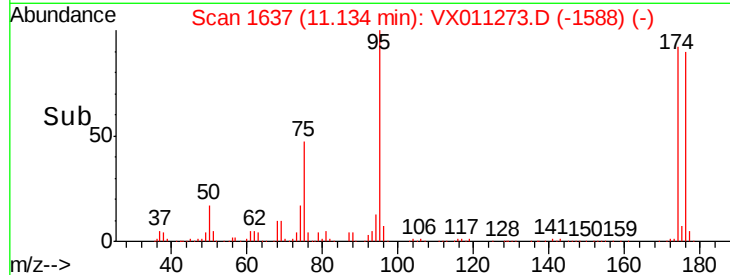
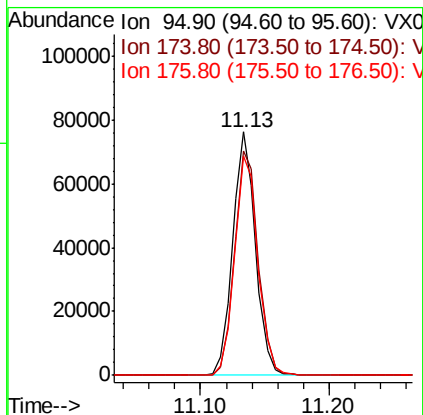
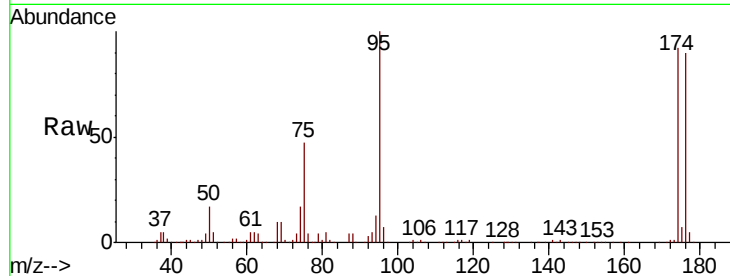




#62
4-Bromofluorobenzene
Concen: 46.159 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011273.D
Acq: 01 Aug 2019 21:17

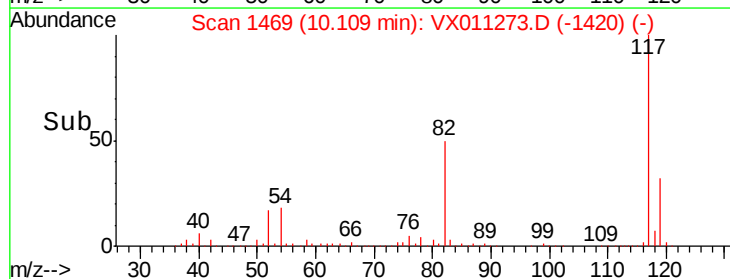
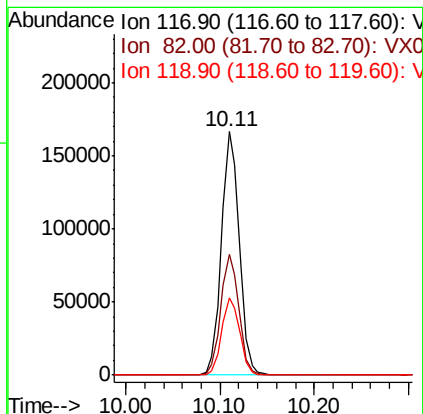
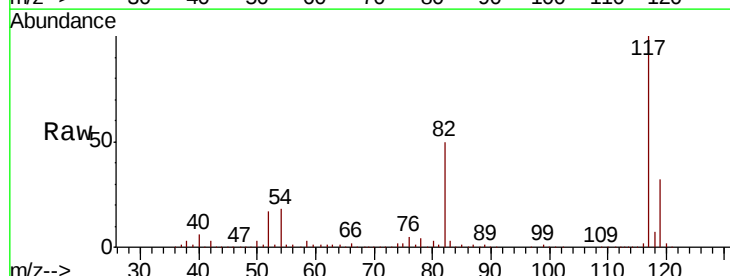
Instrument :
MSVOA_X
ClientSampleId :
SA-MW127I-20190730

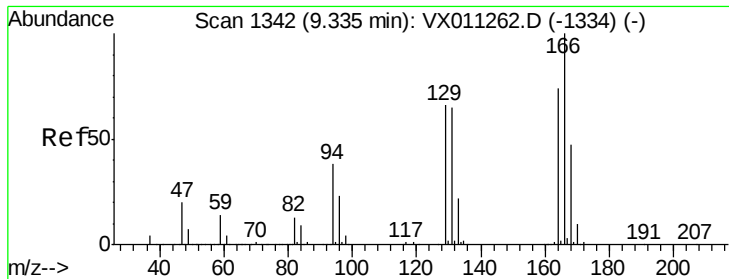
Tot Ion: 95 Resp: 94153
Ion Ratio Lower Upper
95 100
174 95.6 0.0 191.2
176 92.3 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011273.D
Acq: 01 Aug 2019 21:17

Tgt Ion: 117 Resp: 219238
Ion Ratio Lower Upper
117 100
82 49.6 42.2 63.2
119 31.6 26.6 39.8

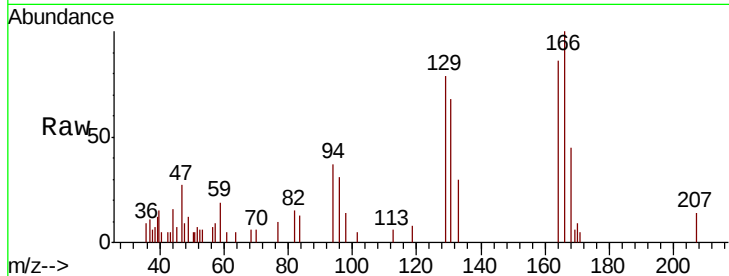




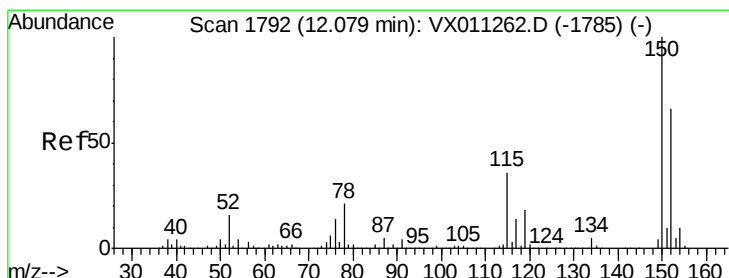
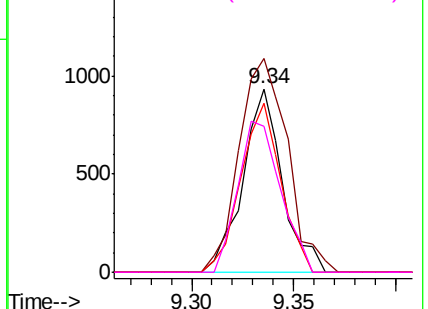
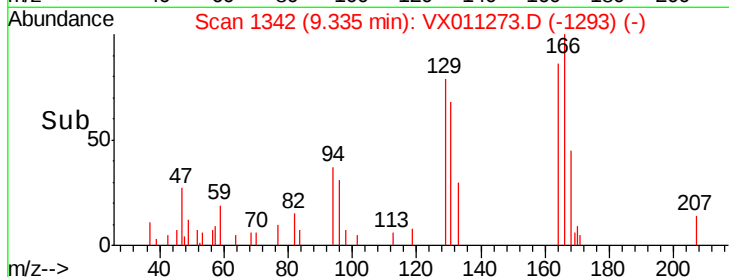
#64
Tetrachloroethene
Concen: 0.677 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011273.D
Acq: 01 Aug 2019 21:17

Instrument :
MSVOA_X
ClientSampleId :
SA-MW127I-20190730

Tot Ion:164 Resp: 1260
Ion Ratio Lower Upper
164 100
166 116.5 107.5 161.3
129 92.4 71.0 106.4
131 79.6 69.8 104.6

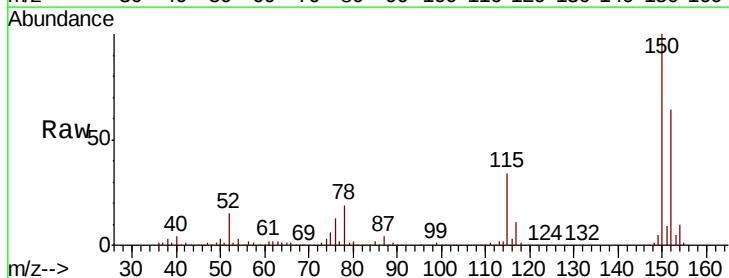


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

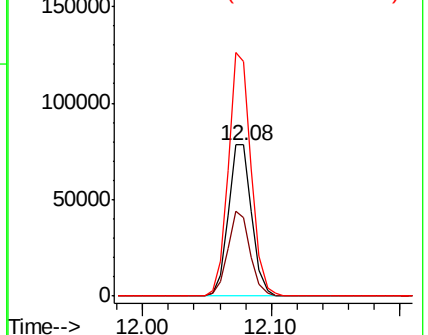
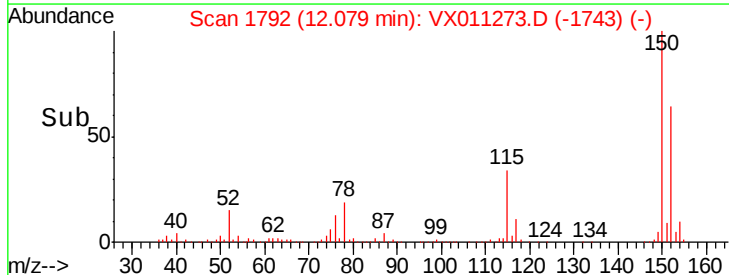


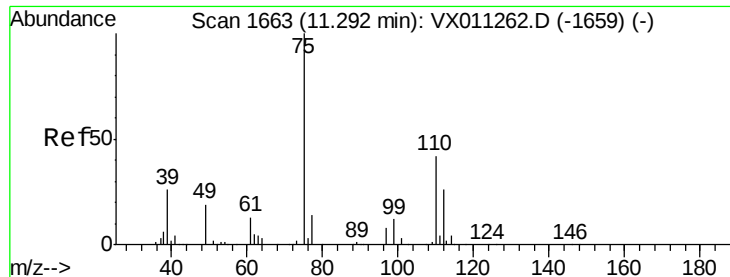
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011273.D
Acq: 01 Aug 2019 21:17

Tgt Ion:152 Resp: 100212
Ion Ratio Lower Upper
152 100
115 53.7 40.0 119.9
150 156.3 0.0 350.4



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

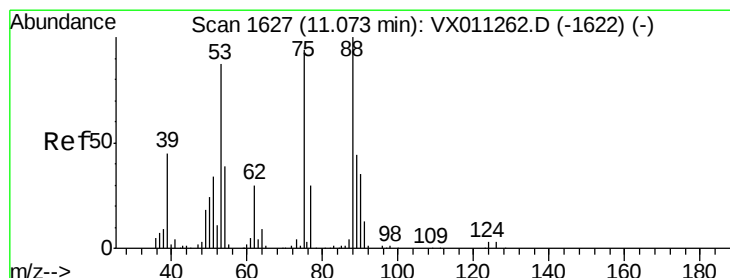
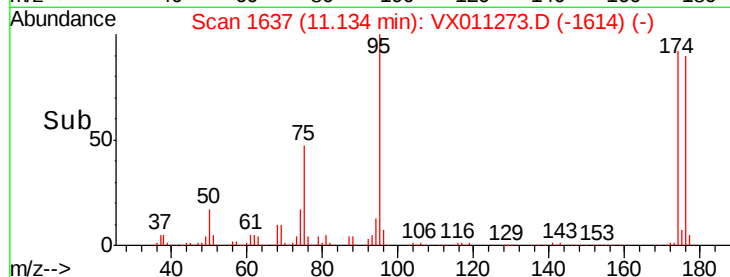
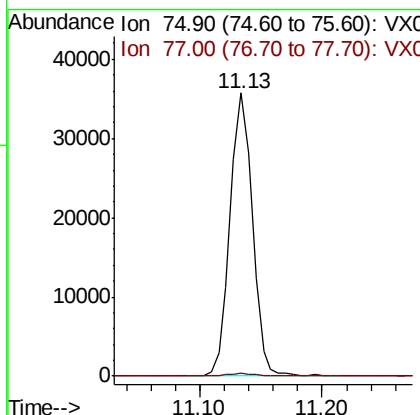
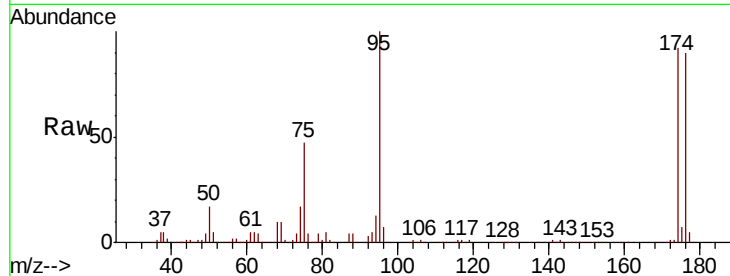




#76
 1,2,3-Trichloropropane
 Concen: 24.865 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011273.D
 Acq: 01 Aug 2019 21:17

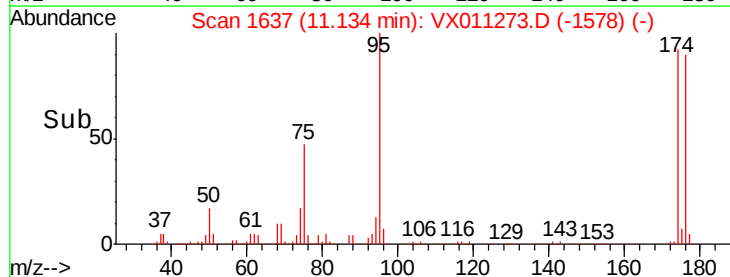
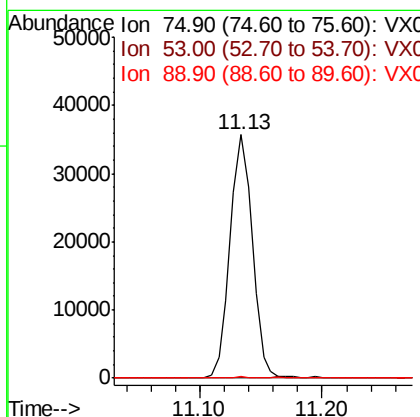
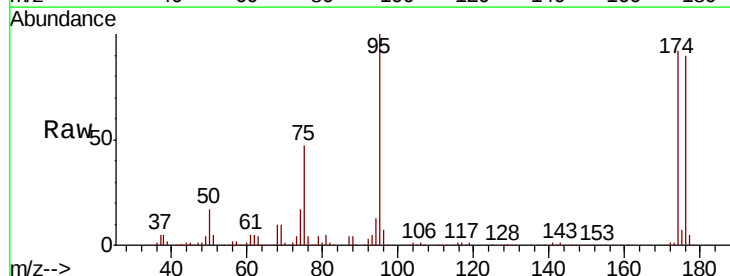
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW127I-20190730

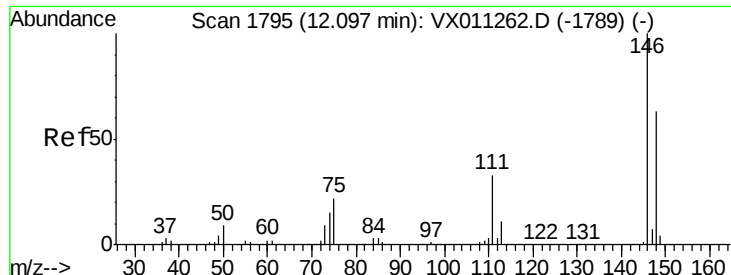
Tot Ion: 75 Resp: 45378
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.911 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011273.D
 Acq: 01 Aug 2019 21:17

Tgt Ion: 75 Resp: 45378
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.2 117.4#
 89 0.2 37.9 56.9#





#88

1,4-Dichlorobenzene

Concen: 0.273 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX011273.D

Acq: 01 Aug 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

SA-MW127I-20190730

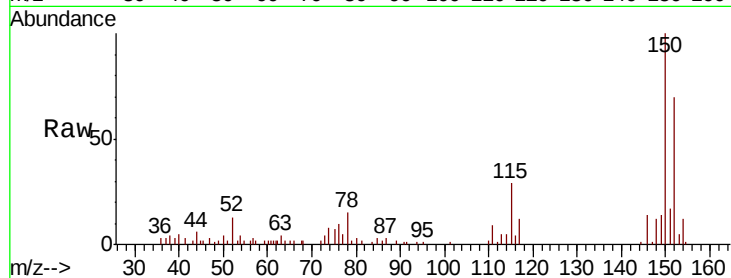
Tot Ion:146 Resp: 946

Ion Ratio Lower Upper

146 100

111 191.2 17.8 53.4#

148 117.4 31.8 95.3#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

