

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080919\
 Data File : VX011418.D
 Acq On : 09 Aug 2019 18:26
 Operator : JC/SP
 Sample : K4278-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0699

Quant Time: Aug 11 00:04:20 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

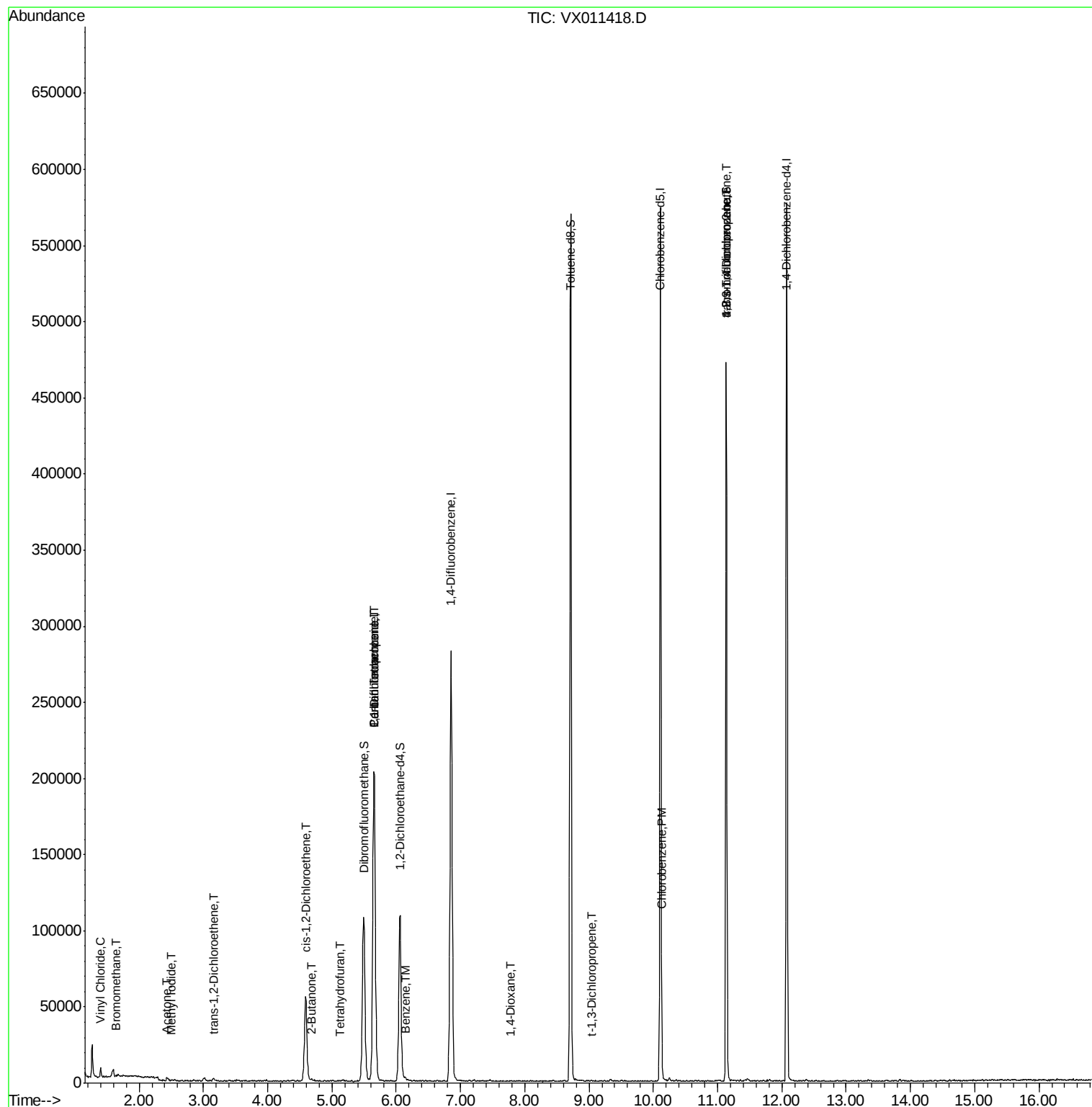
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	201638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	297421	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122823	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	105275	51.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.68%	
35) Dibromofluoromethane	5.49	113	88423	45.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.08%	
50) Toluene-d8	8.71	98	340172	46.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.82%	
62) 4-Bromofluorobenzene	11.13	95	113639	43.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.84%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	4034	2.097	ug/l	98
5) Bromomethane	1.64	94	723	0.527	ug/l #	59
6) Chloroethane	1.70	64	161	Below Cal	#	49
10) Methyl Iodide	2.50	142	476	0.204	ug/l #	81
13) Acrolein	2.29	56	105	Below Cal		99
16) Acetone	2.43	43	2049	2.120	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	679	0.350	ug/l #	70
25) 2-Butanone	4.68	43	298	0.217	ug/l #	46
27) cis-1,2-Dichloroethene	4.59	96	37192	16.638	ug/l	93
29) Tetrahydrofuran	5.12	42	253	0.300	ug/l #	49
36) 1,1-Dichloropropene	5.65	75	13621	5.245	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19155	7.332	ug/l #	15
40) Benzene	6.15	78	1946	0.251	ug/l #	83
49) 1,4-Dioxane	7.78	88	20	0.352	ug/l #	23
53) t-1,3-Dichloropropene	9.05	75	47	2.854	ug/l #	43
65) Chlorobenzene	10.13	112	1459	0.263	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	58452	26.132	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	58452	67.990	ug/l #	10

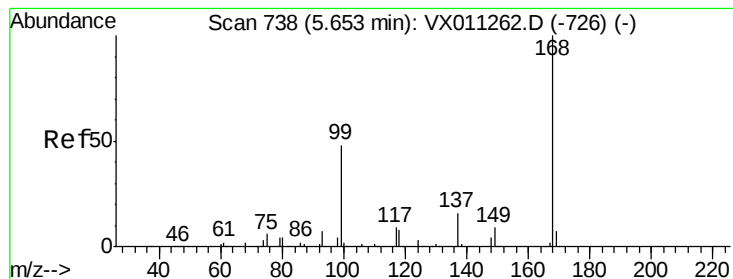
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011418.D

Acq: 09 Aug 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

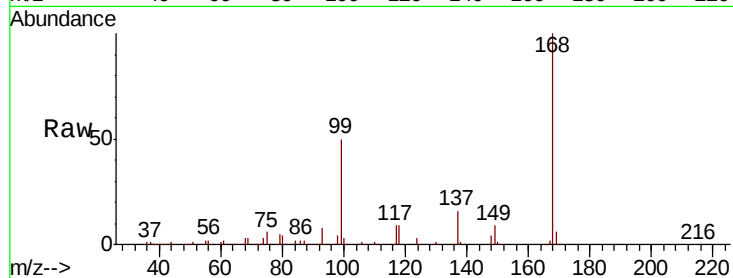
Z3-0699

Tgt Ion:168 Resp: 201638

Ion Ratio Lower Upper

168 100

99 50.4 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

80000

60000

40000

20000

0

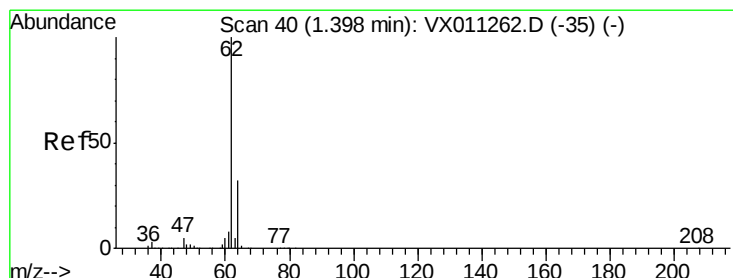
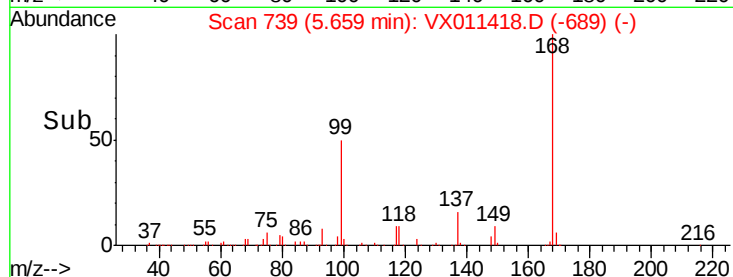
Time-->

5.50

5.60

5.70

5.80



#4

Vinyl Chloride

Concen: 2.097 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011418.D

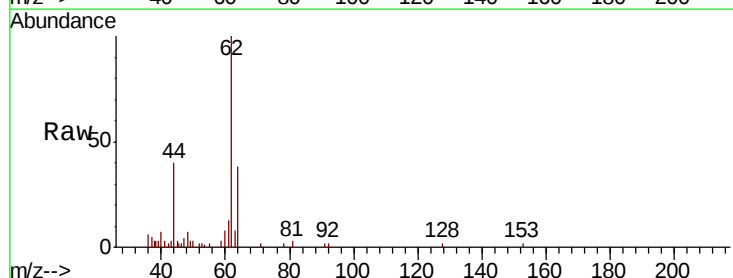
Acq: 09 Aug 2019 18:26

Tgt Ion: 62 Resp: 4034

Ion Ratio Lower Upper

62 100

64 33.6 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

4000

3000

2000

1000

0

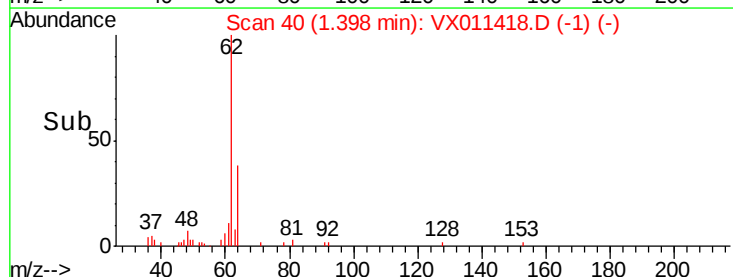
Time-->

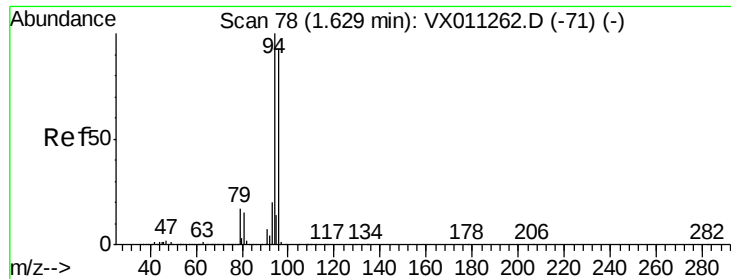
1.35

1.40

1.45

1.50





#5

Bromomethane

Concen: 0.527 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011418.D

Acq: 09 Aug 2019 18:26

Instrument :

MSVOA_X

ClientSampled :

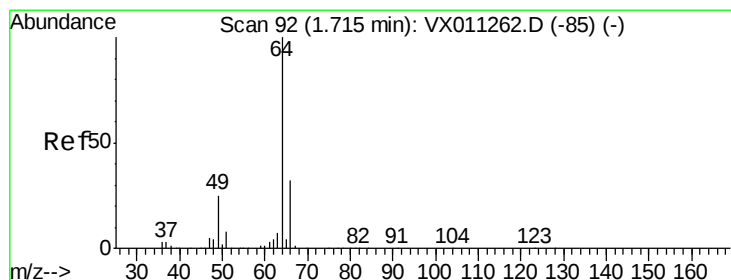
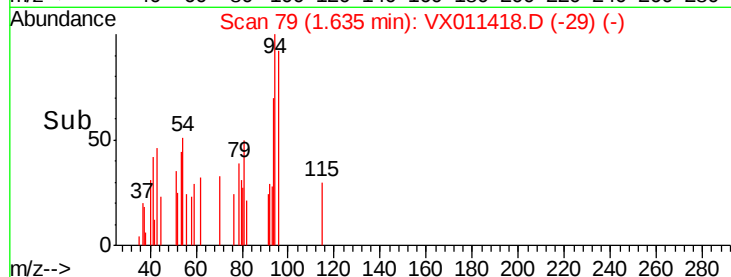
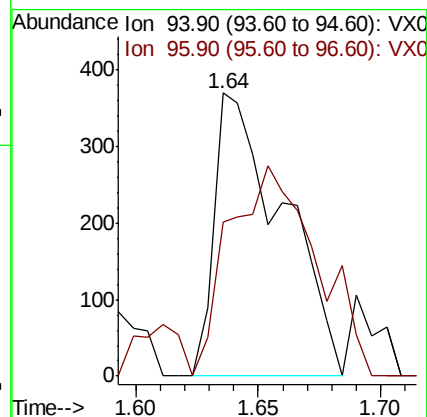
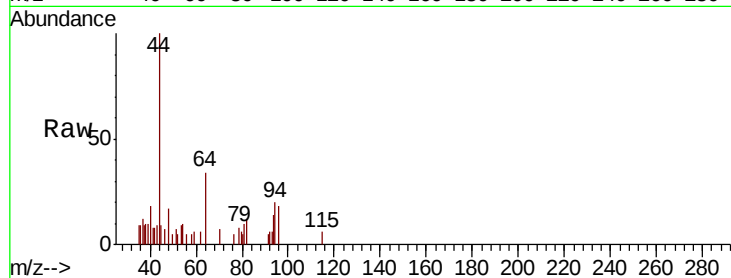
Z3-0699

Tgt Ion: 94 Resp: 723

Ion Ratio Lower Upper

94 100

96 54.3 74.6 112.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX011418.D

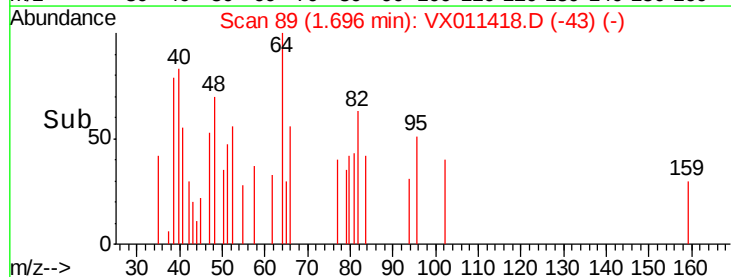
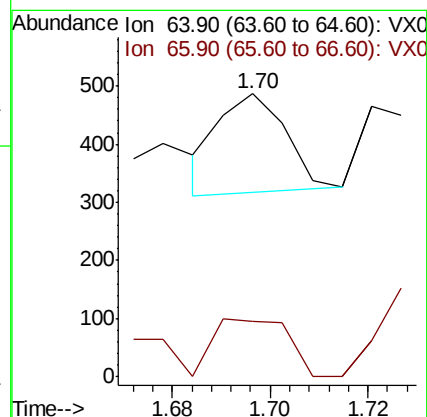
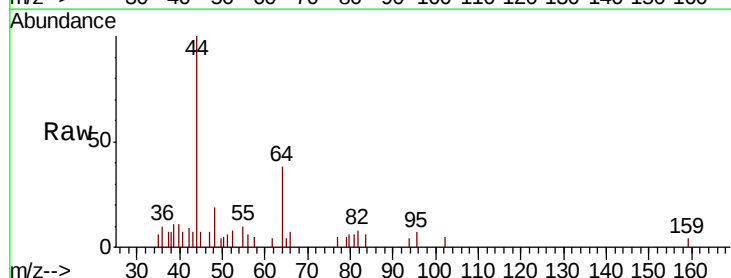
Acq: 09 Aug 2019 18:26

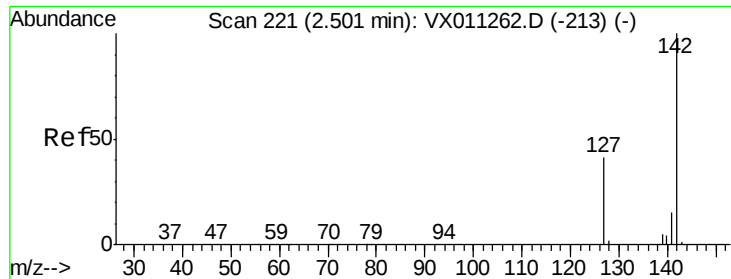
Tgt Ion: 64 Resp: 161

Ion Ratio Lower Upper

64 100

66 59.6 25.1 37.7#

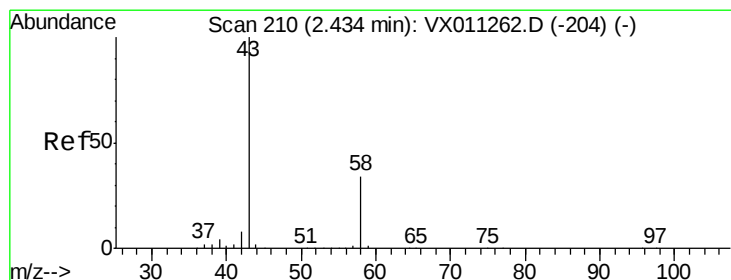
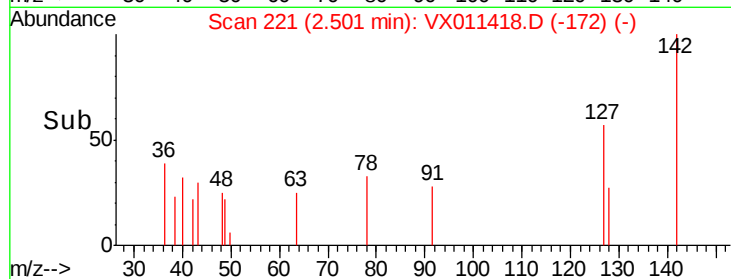
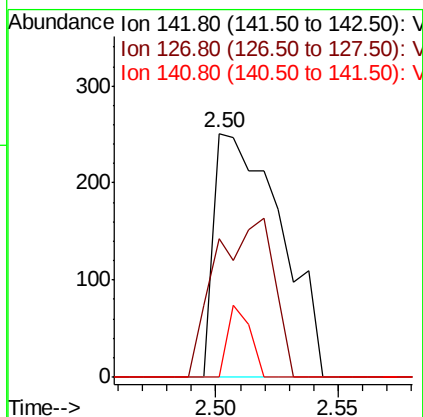
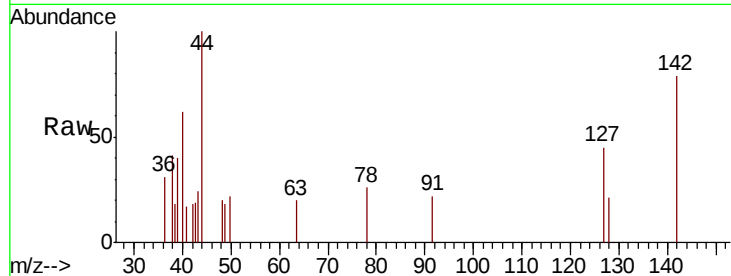




#10
Methyl Iodide
Concen: 0.204 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011418.D
Acq: 09 Aug 2019 18:26

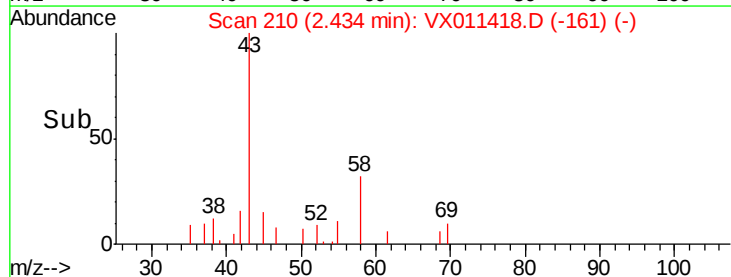
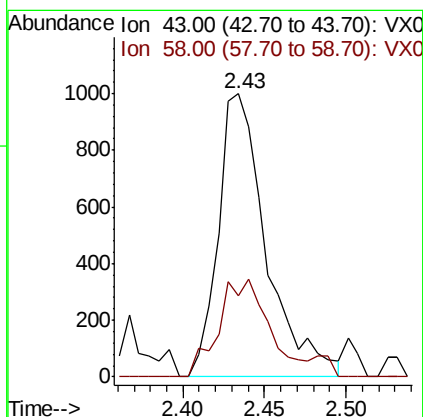
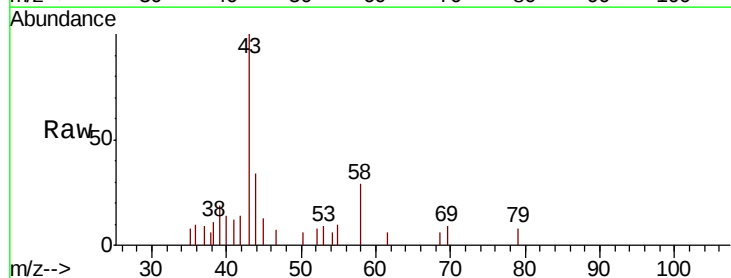
Instrument :
MSVOA_X
ClientSampleId :
Z3-0699

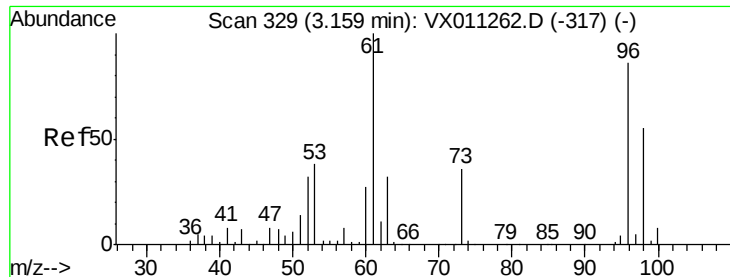
Tgt Ion: 142 Resp: 476
Ion Ratio Lower Upper
142 100
127 56.5 33.8 50.8#
141 9.9 11.4 17.2#



#16
Acetone
Concen: 2.120 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011418.D
Acq: 09 Aug 2019 18:26

Tgt Ion: 43 Resp: 2049
Ion Ratio Lower Upper
43 100
58 28.6 27.4 41.0





#21

trans-1,2-Dichloroethene

Concen: 0.350 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX011418.D

Acq: 09 Aug 2019 18:26

Instrument :

MSVOA_X

ClientSampled :

Z3-0699

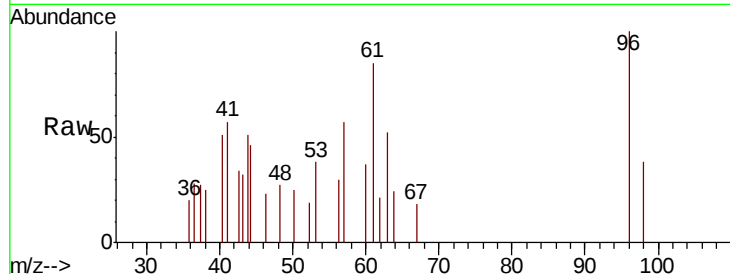
Tgt Ion: 96 Resp: 679

Ion Ratio Lower Upper

96 100

61 85.3 92.8 139.2#

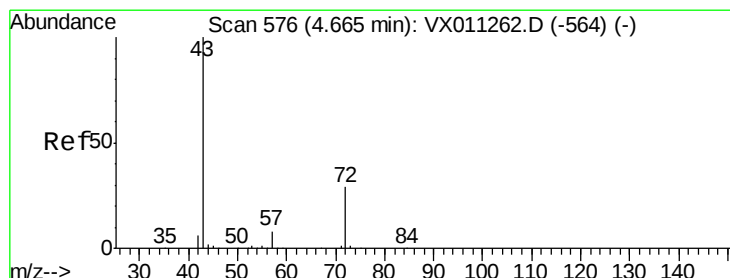
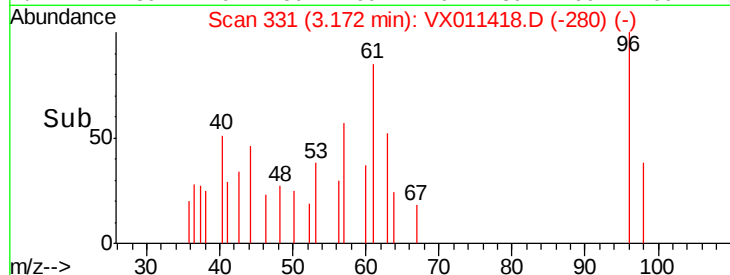
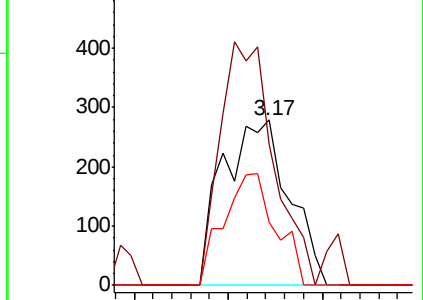
98 38.0 51.2 76.8#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.217 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.02 min

Lab File: VX011418.D

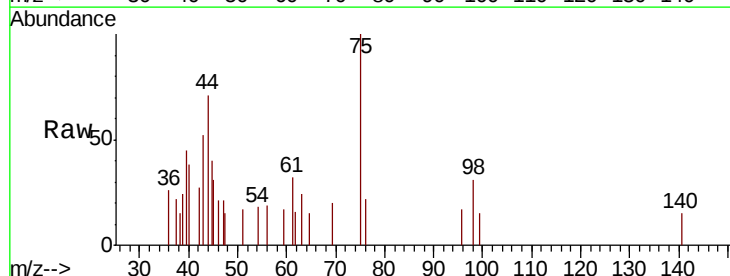
Acq: 09 Aug 2019 18:26

Tgt Ion: 43 Resp: 298

Ion Ratio Lower Upper

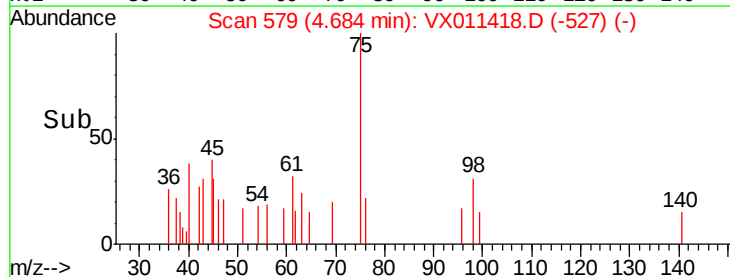
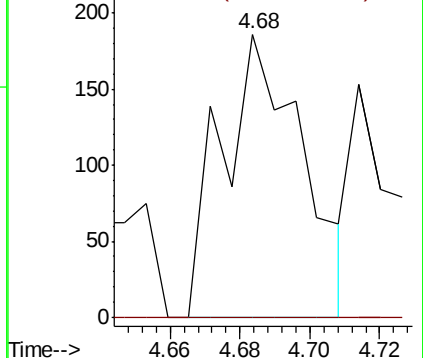
43 100

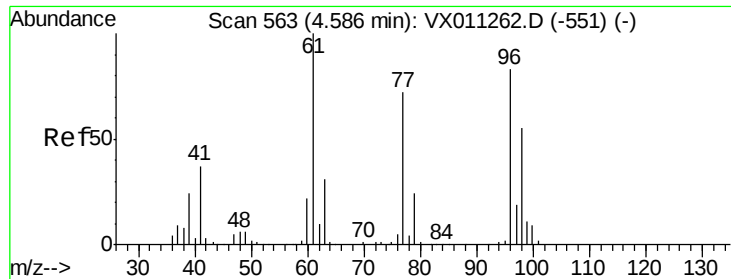
72 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



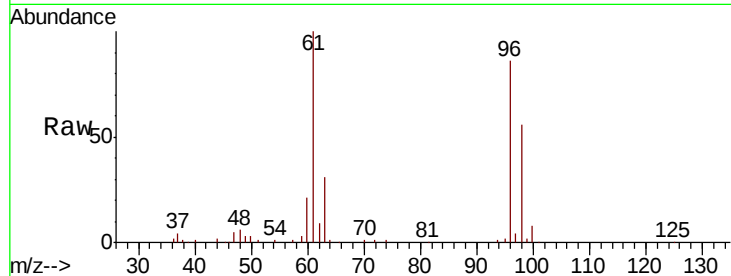


#27

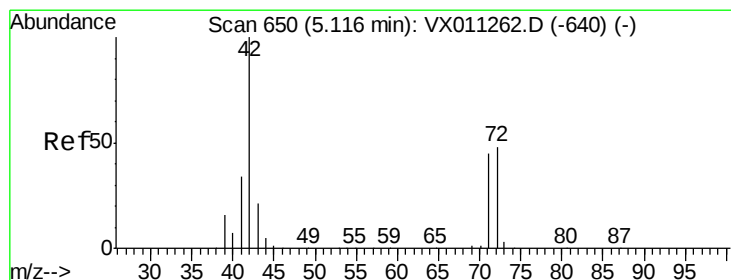
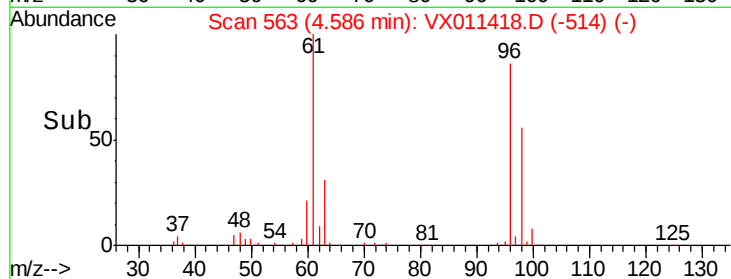
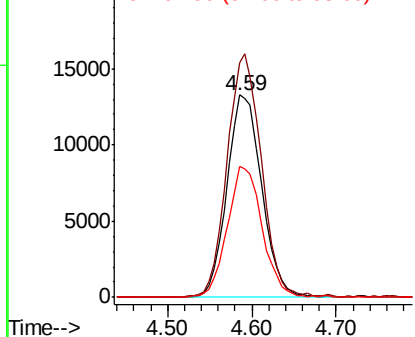
cis-1,2-Dichloroethene
 Concen: 16.638 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX011418.D
 Acq: 09 Aug 2019 18:26

Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0699

Tgt Ion: 96 Resp: 37192
 Ion Ratio Lower Upper
 96 100
 61 118.8 0.0 260.2
 98 64.2 0.0 133.2



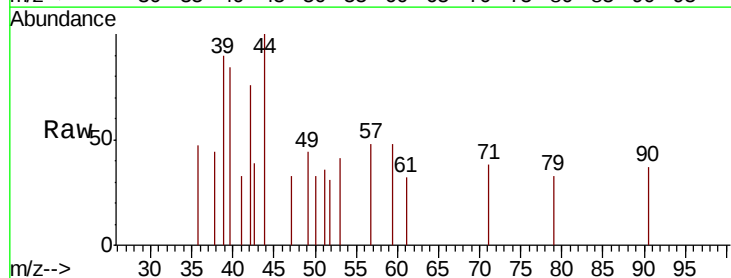
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



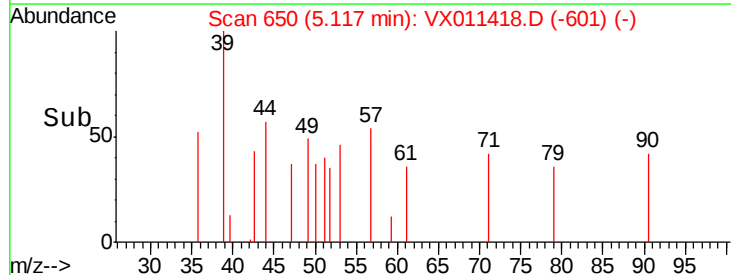
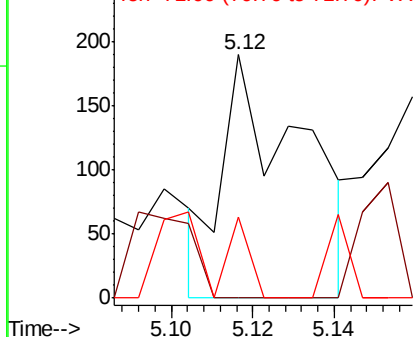
#29

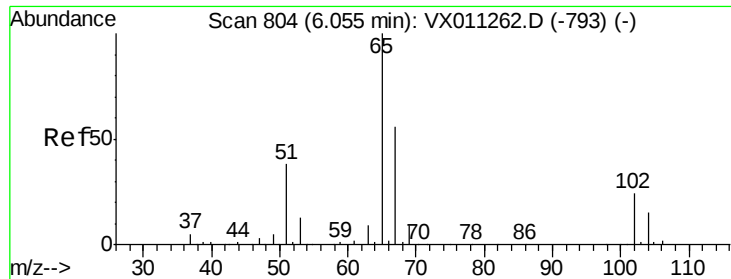
Tetrahydrofuran
 Concen: 0.300 ug/l
 RT: 5.12 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: VX011418.D
 Acq: 09 Aug 2019 18:26

Tgt Ion: 42 Resp: 253
 Ion Ratio Lower Upper
 42 100
 72 0.0 39.9 59.9#
 71 27.7 36.9 55.3#



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

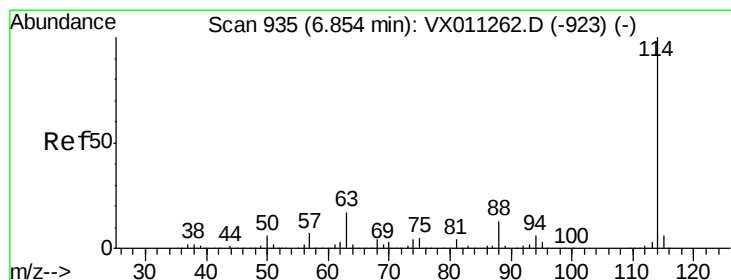
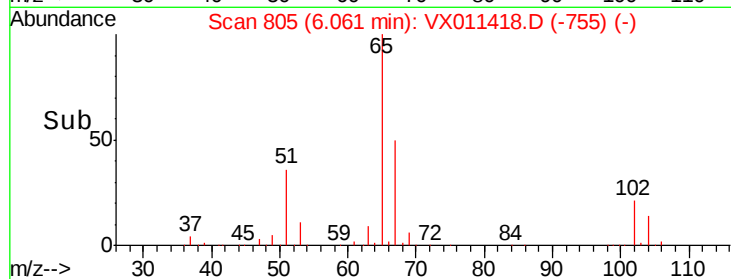
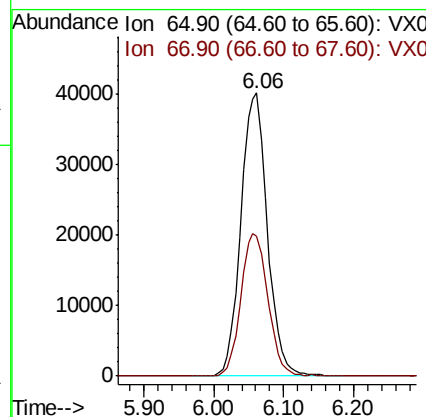
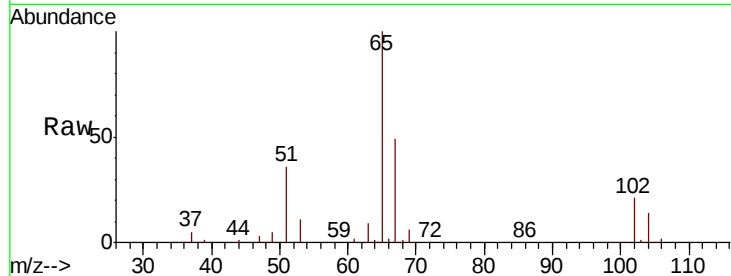




#33
 1,2-Dichloroethane-d4
 Concen: 51.844 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX011418.D
 Acq: 09 Aug 2019 18:26

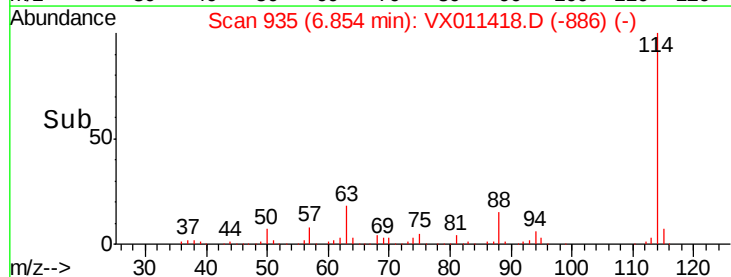
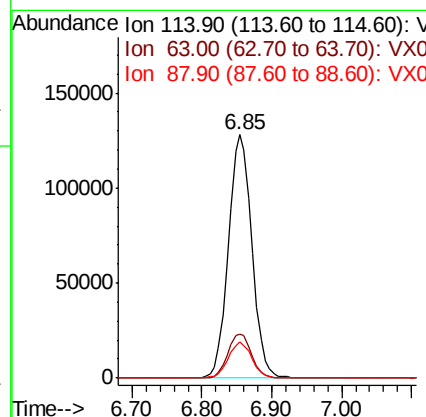
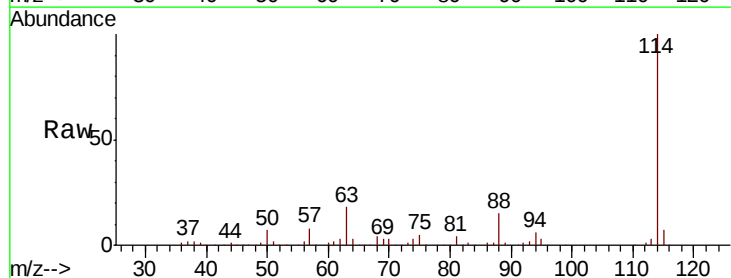
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0699

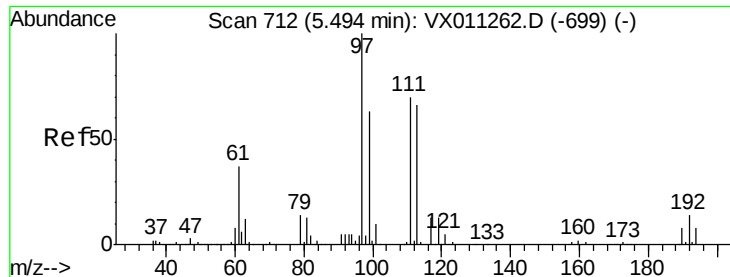
Tgt Ion: 65 Resp: 105275
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011418.D
 Acq: 09 Aug 2019 18:26

Tgt Ion: 114 Resp: 297421
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.0
 88 14.7 0.0 26.4





#35

Dibromofluoromethane

Concen: 45.537 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011418.D

Acq: 09 Aug 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

Z3-0699

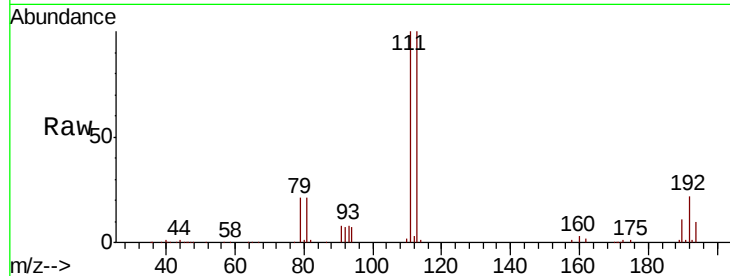
Tgt Ion:113 Resp: 88423

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

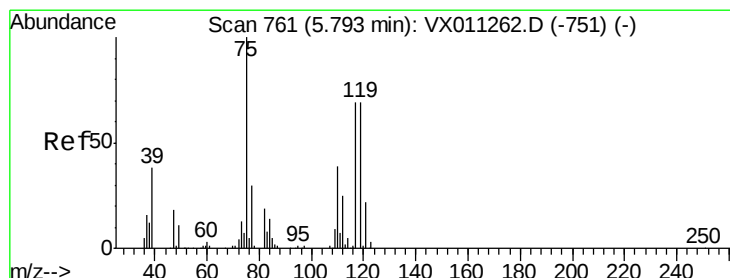
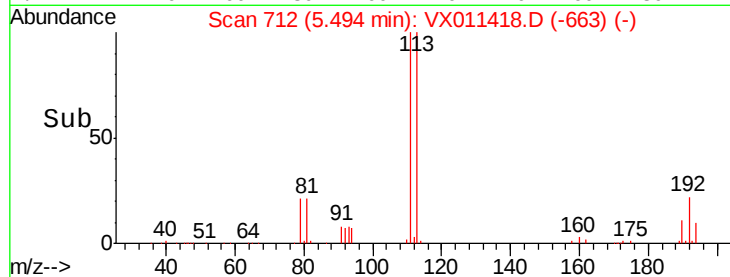
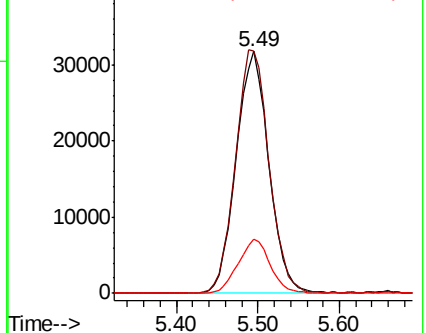
192 21.8 17.8 26.8



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: 5.245 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011418.D

Acq: 09 Aug 2019 18:26

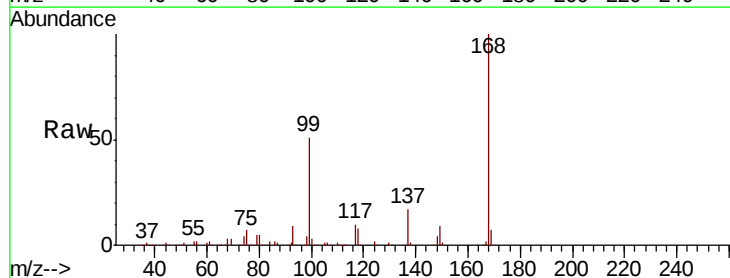
Tgt Ion: 75 Resp: 13621

Ion Ratio Lower Upper

75 100

110 11.5 20.0 59.9#

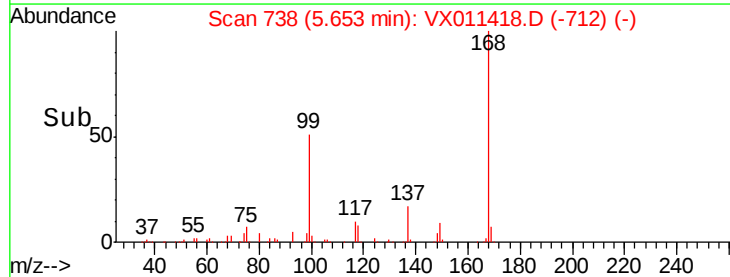
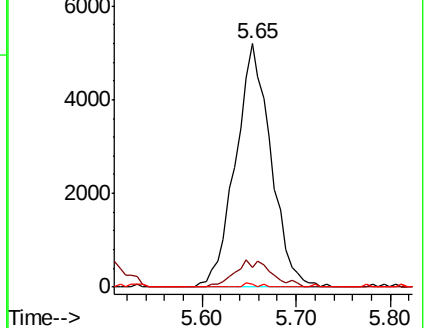
77 0.4 24.8 37.2#

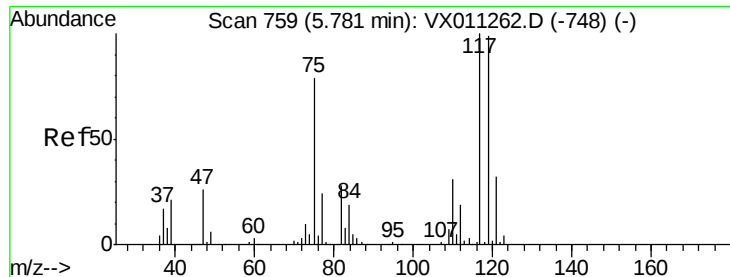


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

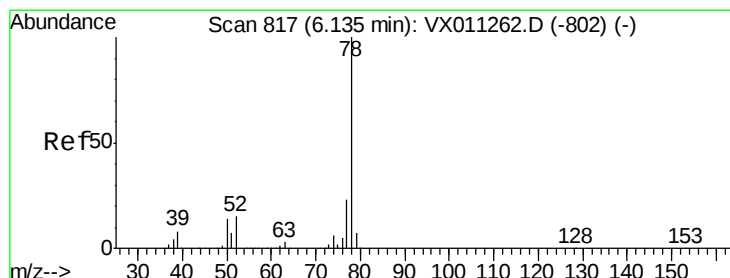
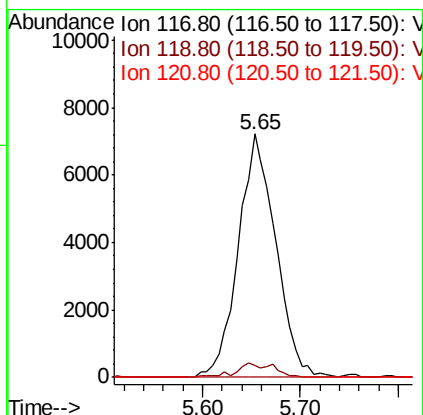
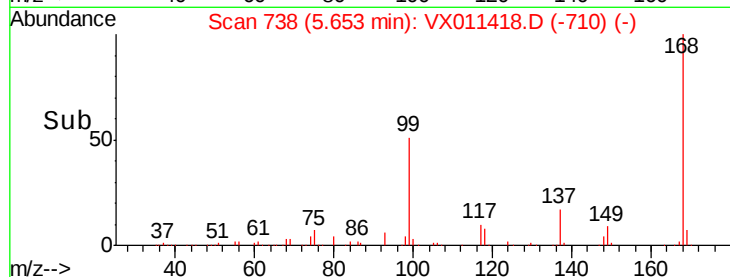
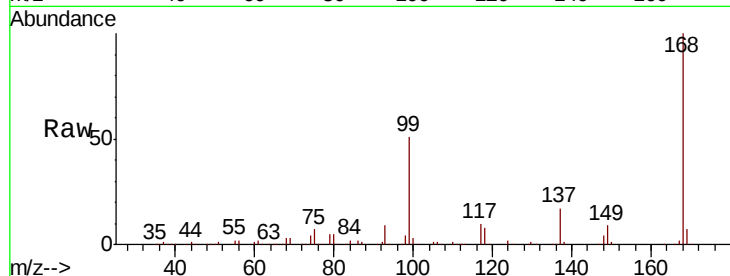




#38
Carbon Tetrachloride
Concen: 7.332 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011418.D
Acq: 09 Aug 2019 18:26

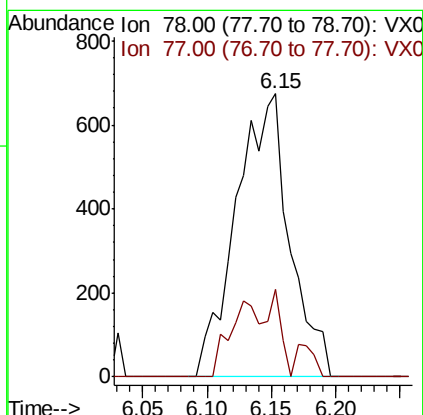
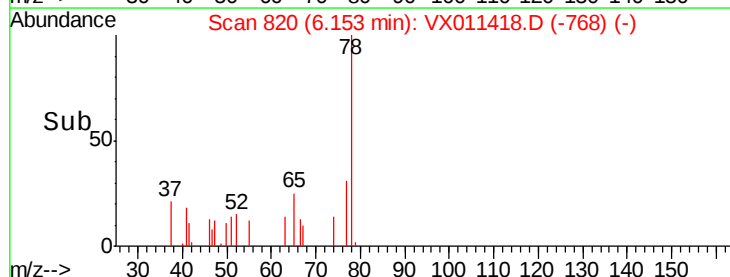
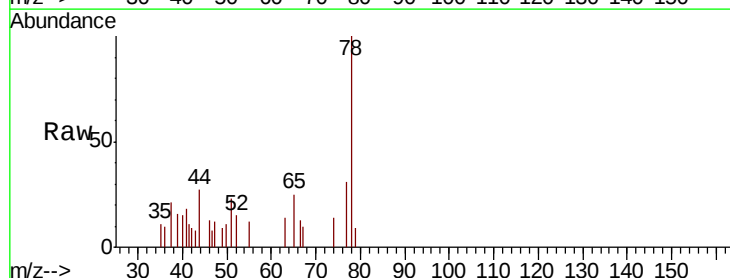
Instrument :
MSVOA_X
ClientSampleId :
Z3-0699

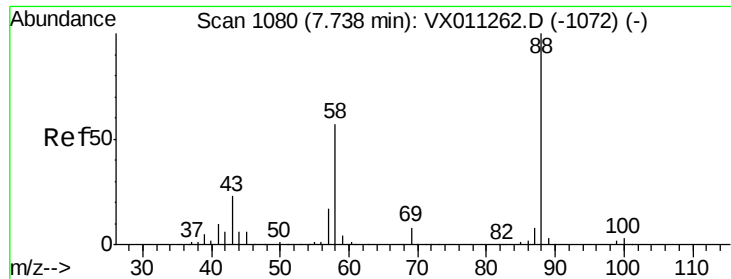
Tgt Ion:117 Resp: 19155
Ion Ratio Lower Upper
117 100
119 5.0 79.0 118.4#
121 0.0 25.9 38.9#



#40
Benzene
Concen: 0.251 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.02 min
Lab File: VX011418.D
Acq: 09 Aug 2019 18:26

Tgt Ion: 78 Resp: 1946
Ion Ratio Lower Upper
78 100
77 30.9 18.2 27.2#

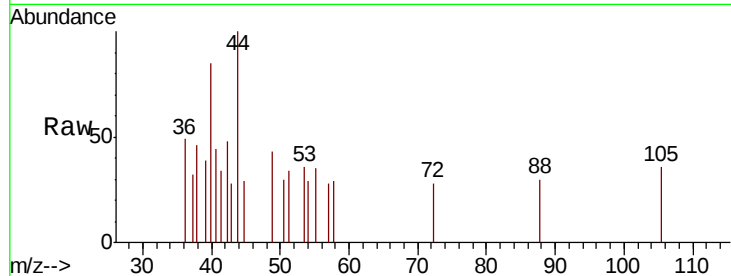




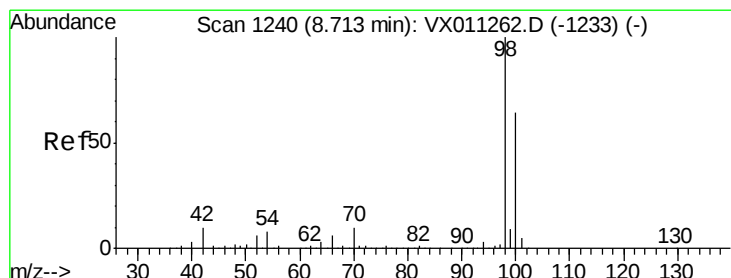
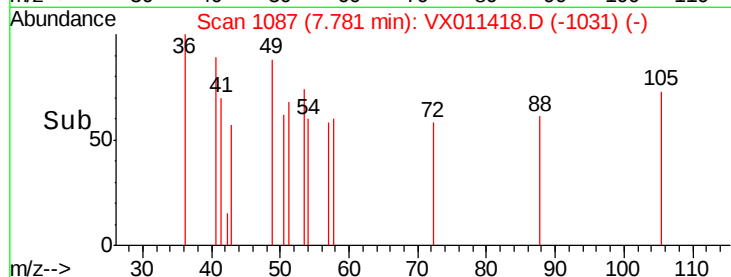
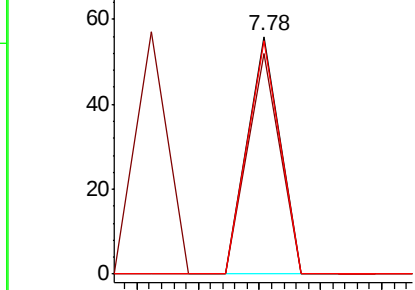
#49
1,4-Dioxane
Concen: 0.352 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.04 min
Lab File: VX011418.D
Acq: 09 Aug 2019 18:26

Instrument :
MSVOA_X
ClientSampled :
Z3-0699

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 95.0 22.2 33.2#
58 100.0 47.8 71.8#

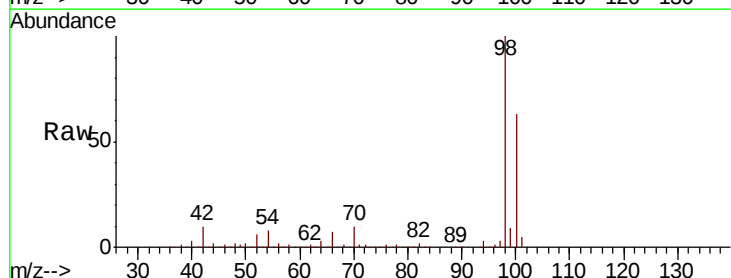


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

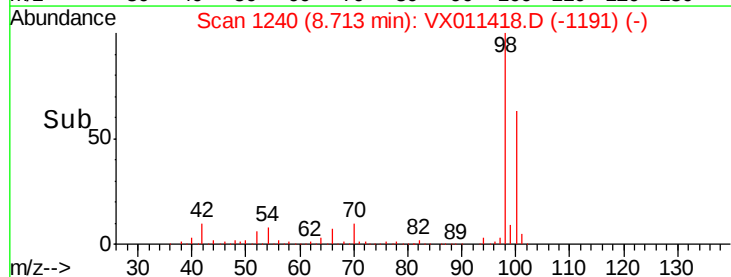
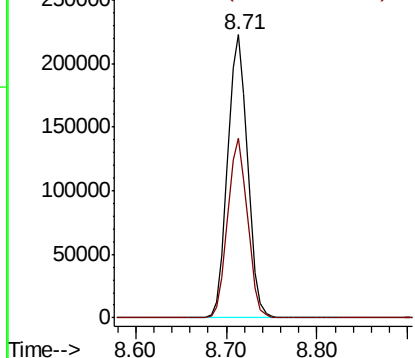


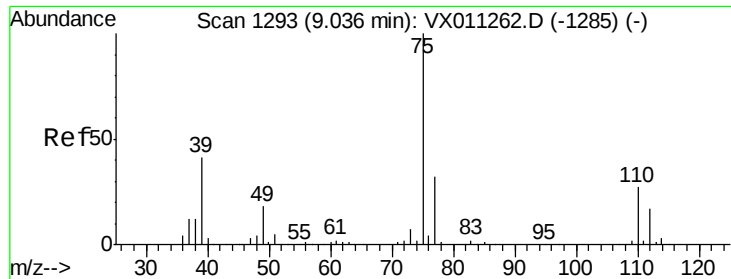
#50
Toluene-d8
Concen: 46.410 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011418.D
Acq: 09 Aug 2019 18:26

Tgt Ion: 98 Resp: 340172
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

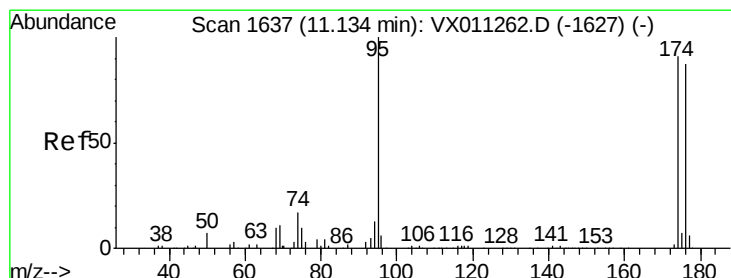
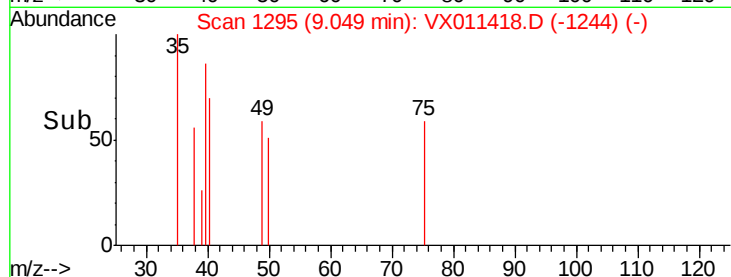
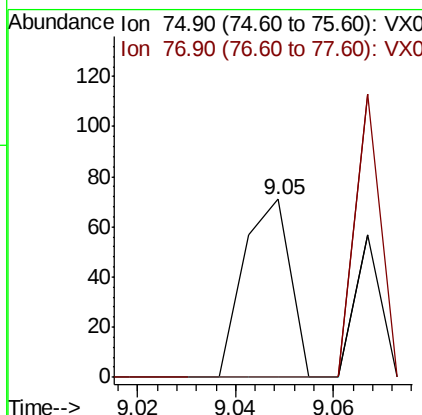
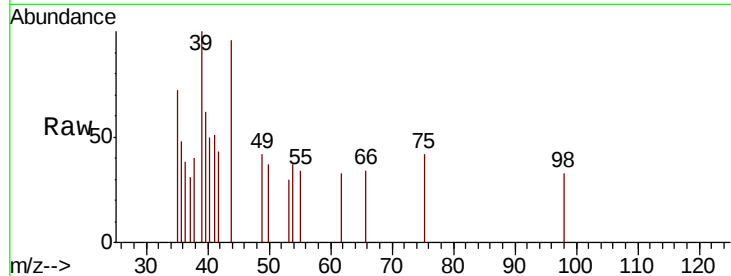




#53
t-1,3-Dichloropropene
Concen: 2.854 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX011418.D
Acq: 09 Aug 2019 18:26

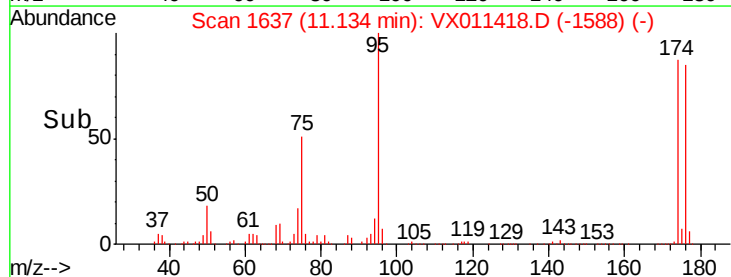
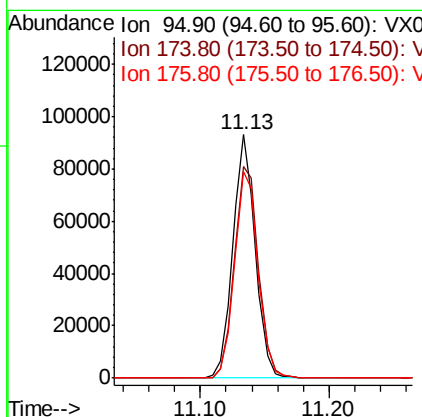
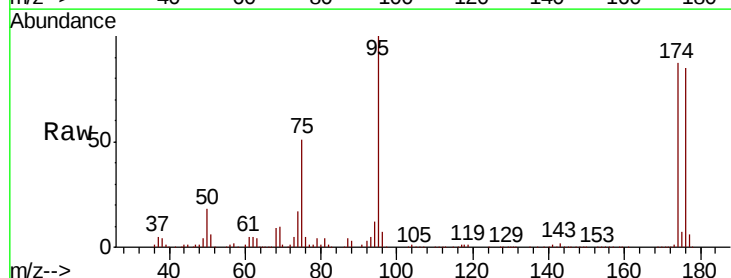
Instrument :
MSVOA_X
ClientSampleId :
Z3-0699

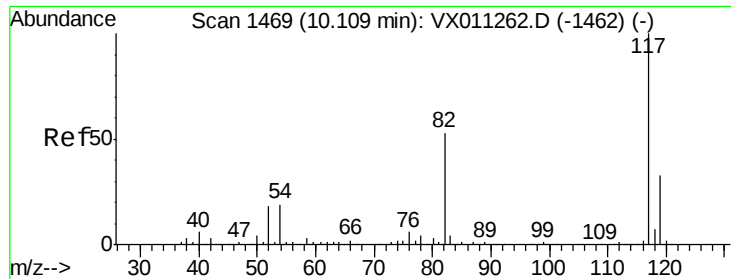
Tgt Ion: 75 Resp: 47
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 43.425 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011418.D
Acq: 09 Aug 2019 18:26

Tgt Ion: 95 Resp: 113639
Ion Ratio Lower Upper
95 100
174 93.2 0.0 191.2
176 89.1 0.0 184.8

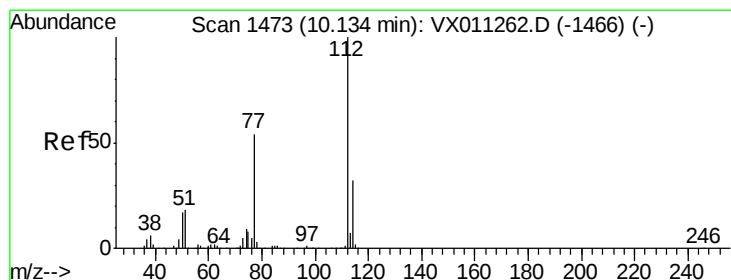
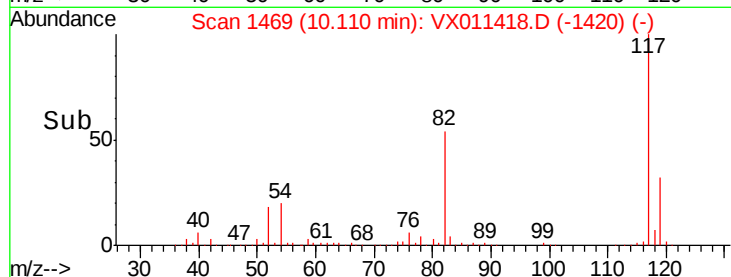
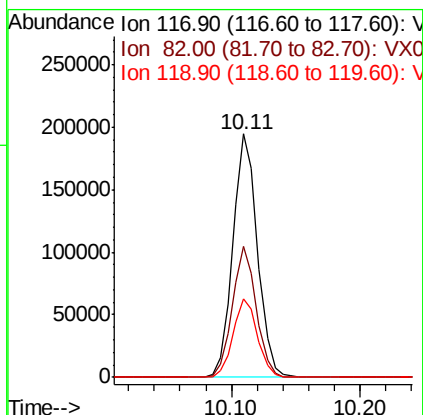
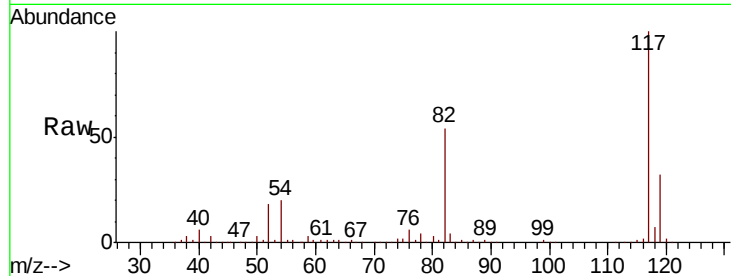




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011418.D
Acq: 09 Aug 2019 18:26

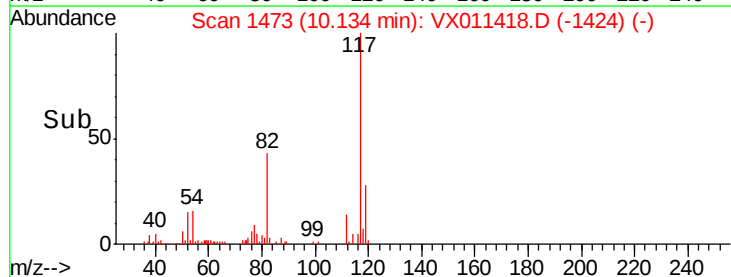
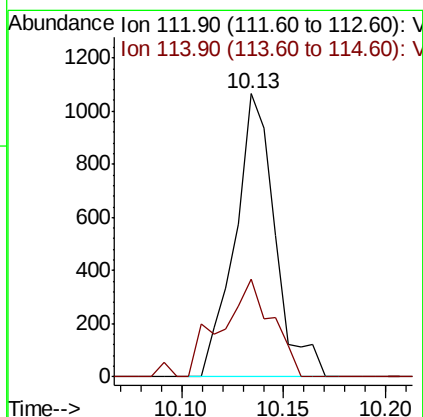
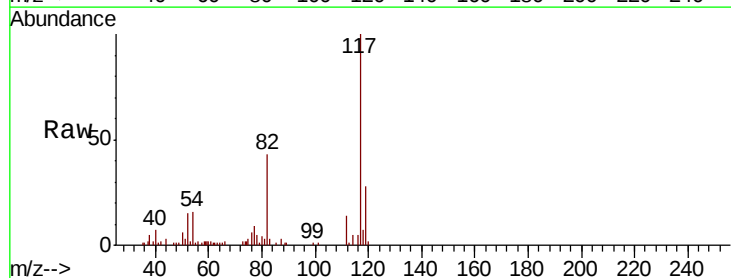
Instrument :
MSVOA_X
ClientSampled :
Z3-0699

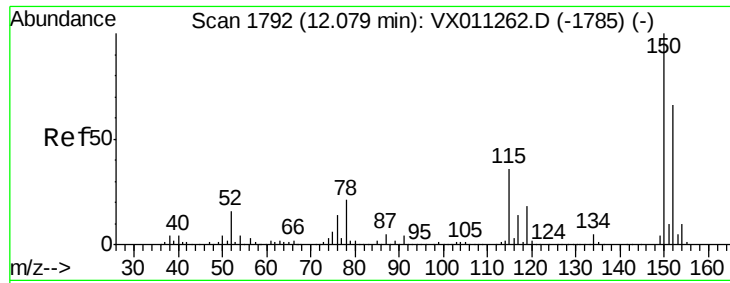
Tgt Ion:117 Resp: 258826
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.2
119 32.2 26.6 39.8



#65
Chlorobenzene
Concen: 0.263 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011418.D
Acq: 09 Aug 2019 18:26

Tgt Ion:112 Resp: 1459
Ion Ratio Lower Upper
112 100
114 34.6 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011418.D

Acq: 09 Aug 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

Z3-0699

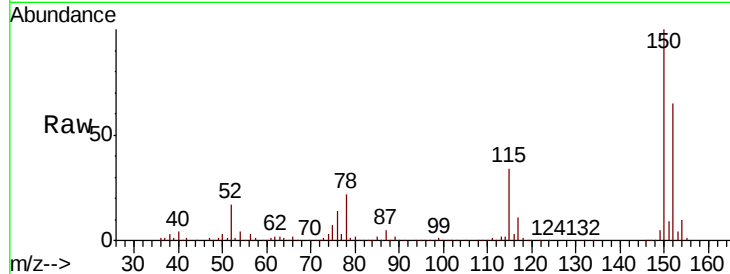
Tgt Ion: 152 Resp: 122823

Ion Ratio Lower Upper

152 100

115 55.6 40.0 119.9

150 155.7 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

200000

150000

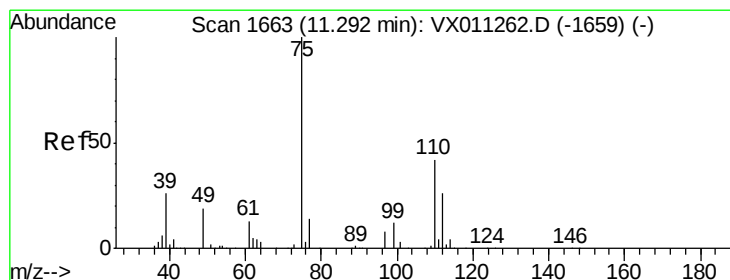
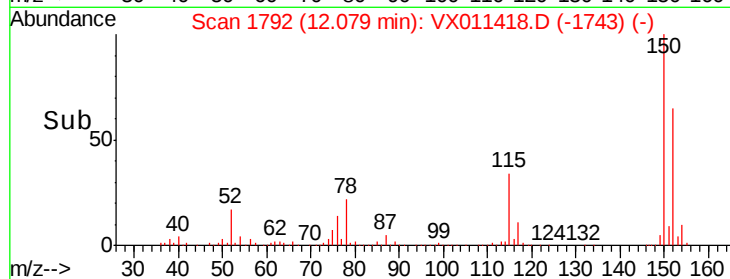
100000

50000

0

12.00 12.10

Time-->



#76

1,2,3-Trichloropropane

Concen: 26.132 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011418.D

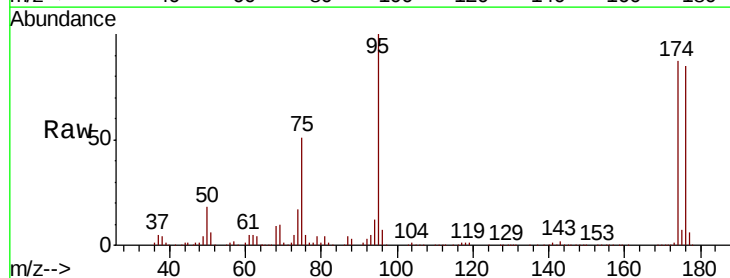
Acq: 09 Aug 2019 18:26

Tgt Ion: 75 Resp: 58452

Ion Ratio Lower Upper

75 100

77 1.3 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

50000

40000

30000

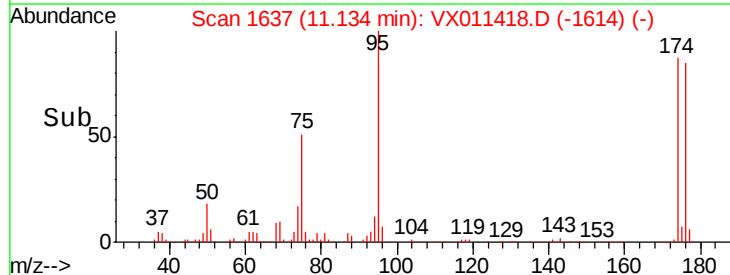
20000

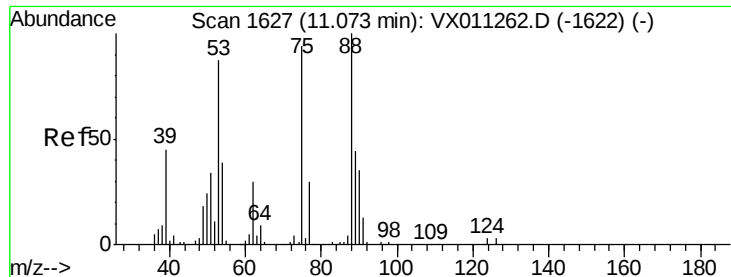
10000

0

11.10 11.20

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 67.990 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011418.D

Acq: 09 Aug 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

Z3-0699

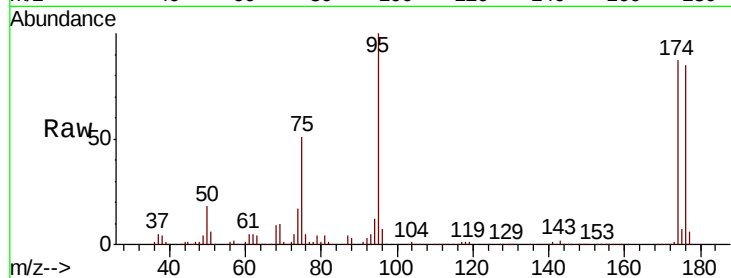
Tgt Ion: 75 Resp: 58452

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.1 37.9 56.9#



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

