

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011492.D
 Acq On : 12 Aug 2019 18:36
 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 13 07:41:29 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

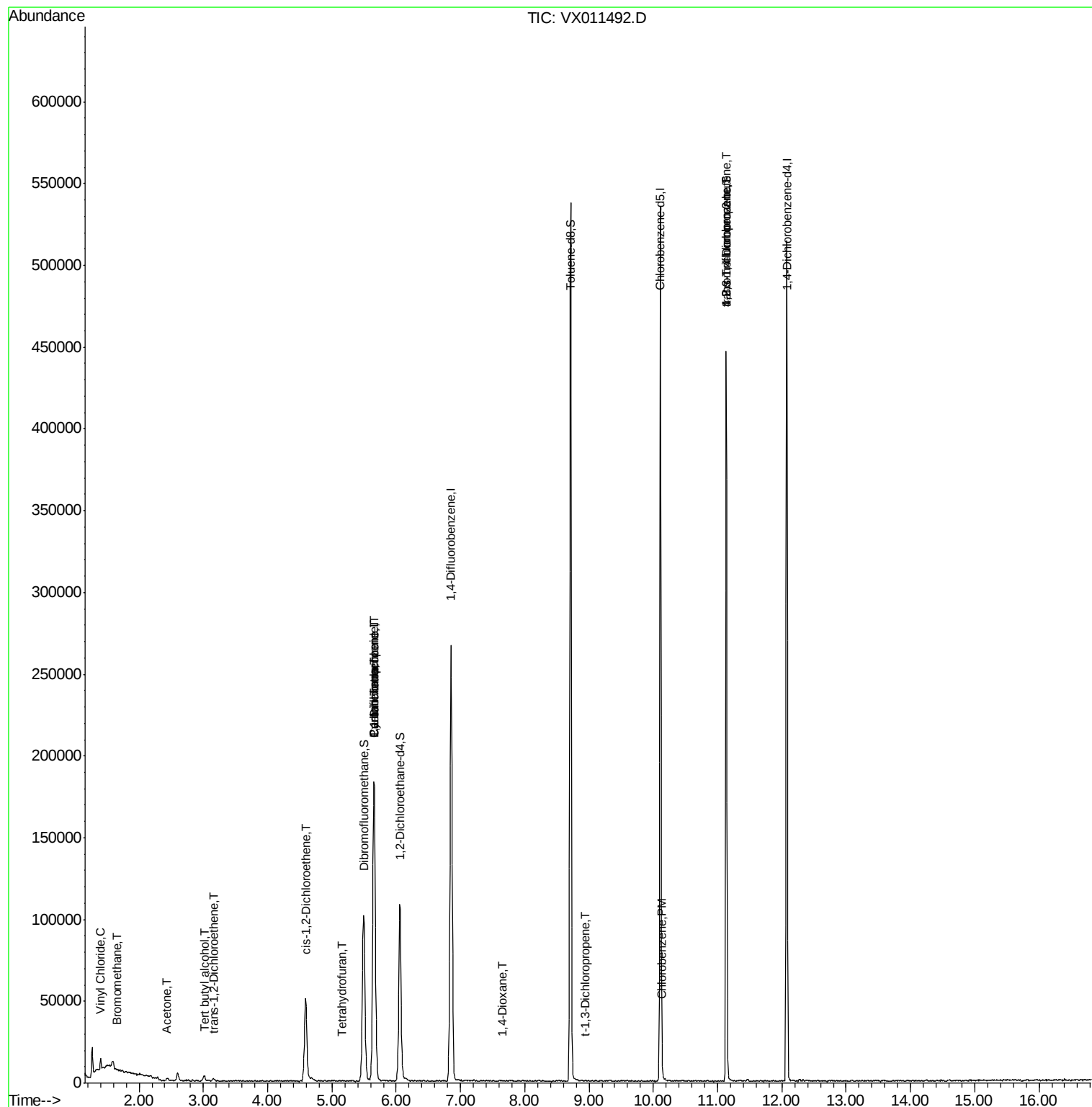
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	182163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	273522	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110122	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	101943	55.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.14%	
35) Dibromofluoromethane	5.49	113	84929	47.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.12%	
50) Toluene-d8	8.71	98	324057	48.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	11.13	95	105774	43.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.90%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	3986	2.294	ug/l #	86
5) Bromomethane	1.65	94	439	0.354	ug/l #	79
6) Chloroethane	1.78	64	1052	Below Cal	#	49
11) Tert butyl alcohol	3.02	59	1774	4.872	ug/l #	85
13) Acrolein	2.30	56	29	Below Cal	#	15
16) Acetone	2.43	43	1774	2.032	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	623	0.355	ug/l #	82
27) cis-1,2-Dichloroethene	4.59	96	33665	16.671	ug/l	92
29) Tetrahydrofuran	5.15	42	308	0.404	ug/l #	29
31) Cyclohexane	5.65	56	3551	1.503	ug/l #	20
36) 1,1-Dichloropropene	5.65	75	12836	5.375	ug/l #	49
38) Carbon Tetrachloride	5.66	117	17460	7.267	ug/l #	14
49) 1,4-Dioxane	7.65	88	19	0.364	ug/l #	1
53) t-1,3-Dichloropropene	8.95	75	20	2.846	ug/l #	43
65) Chlorobenzene	10.14	112	1423	0.270	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	54958	27.404	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	54958	71.078	ug/l #	10

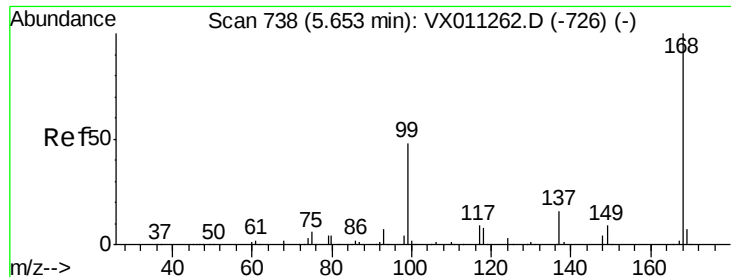
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX011492.D

Acq: 12 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

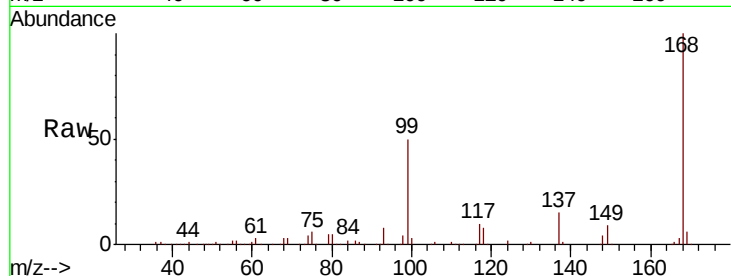
Z3-0699

Tgt Ion:168 Resp: 182163

Ion Ratio Lower Upper

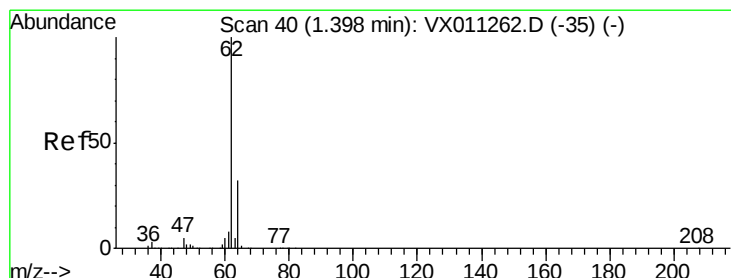
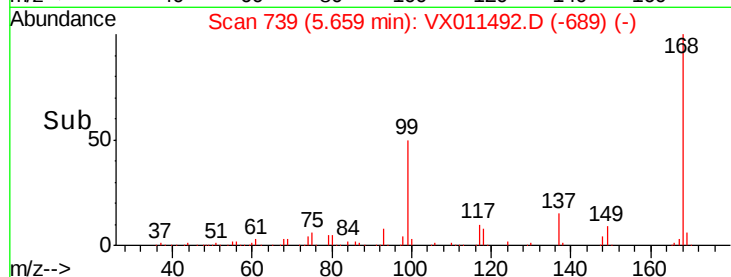
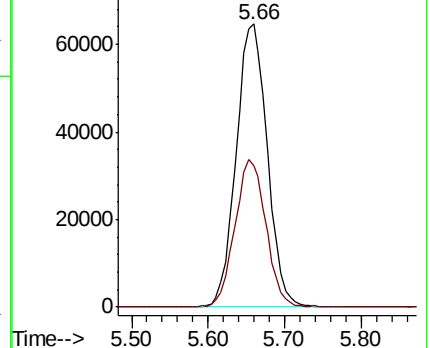
168 100

99 50.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 2.294 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011492.D

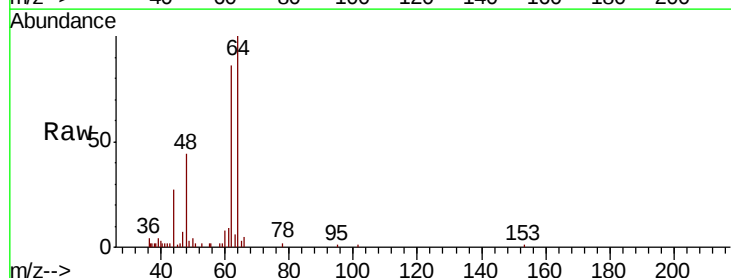
Acq: 12 Aug 2019 18:36

Tgt Ion: 62 Resp: 3986

Ion Ratio Lower Upper

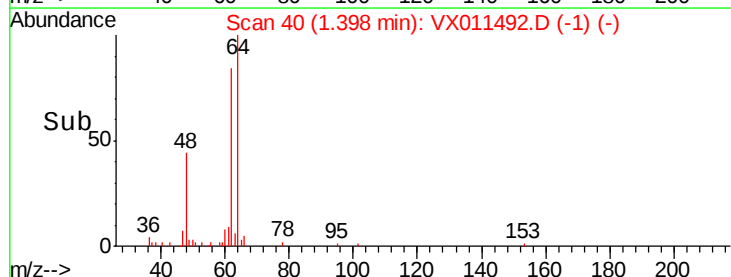
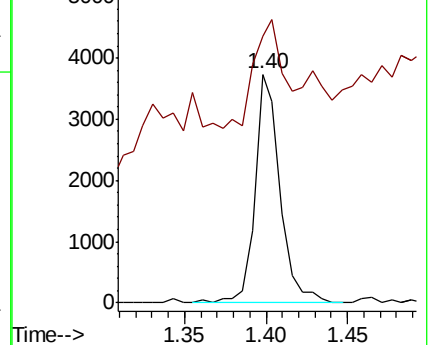
62 100

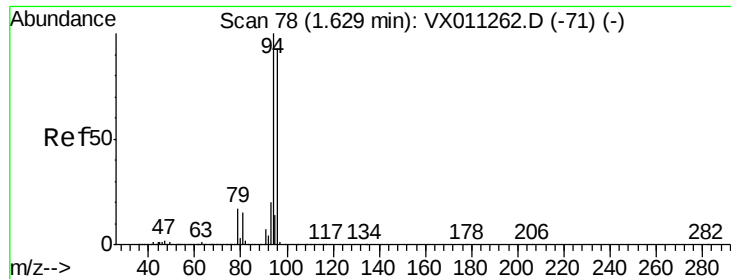
64 24.4 26.0 39.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.354 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011492.D

Acq: 12 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

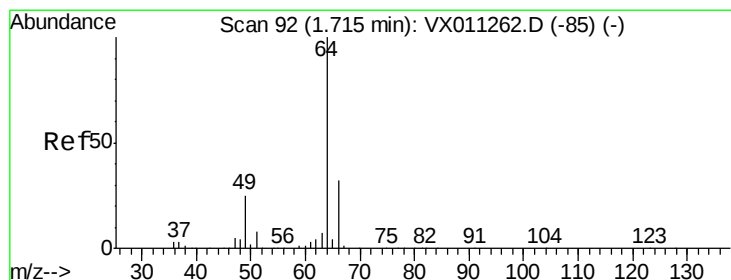
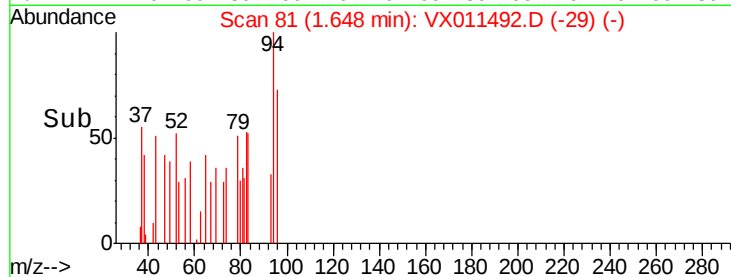
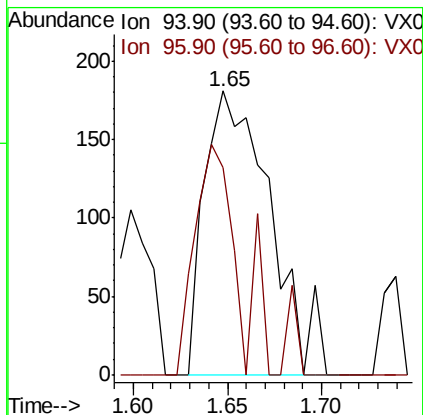
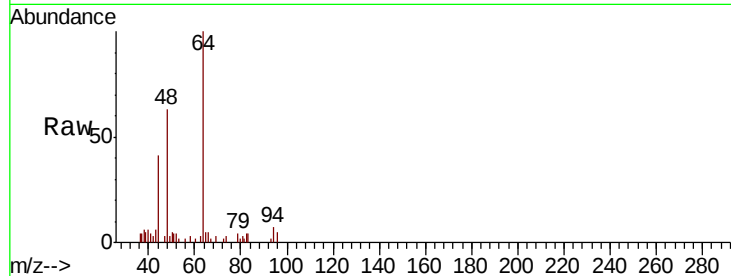
Z3-0699

Tgt Ion: 94 Resp: 439

Ion Ratio Lower Upper

94 100

96 72.9 74.6 112.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.78 min Scan# 103

Delta R.T. 0.07 min

Lab File: VX011492.D

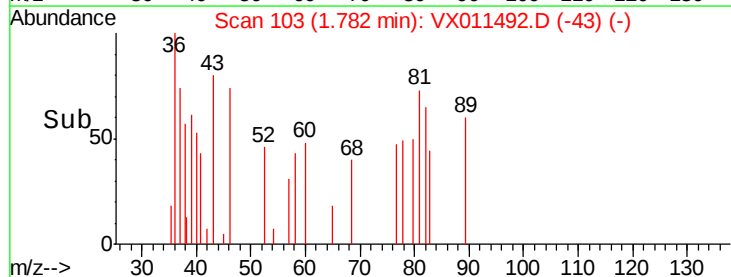
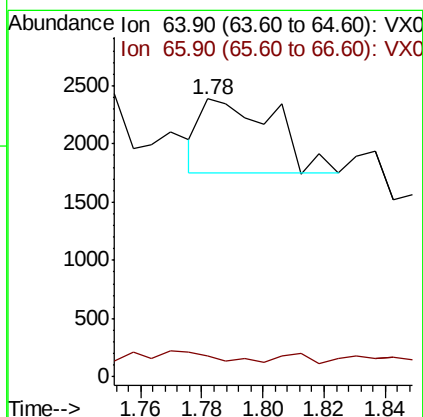
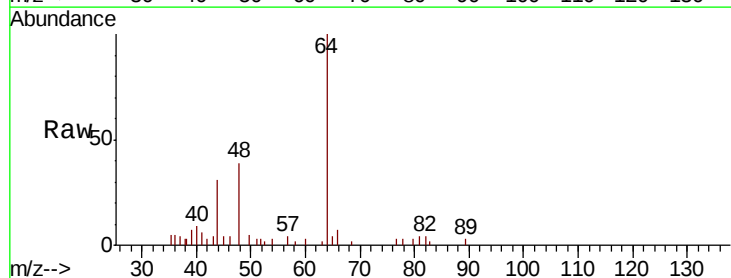
Acq: 12 Aug 2019 18:36

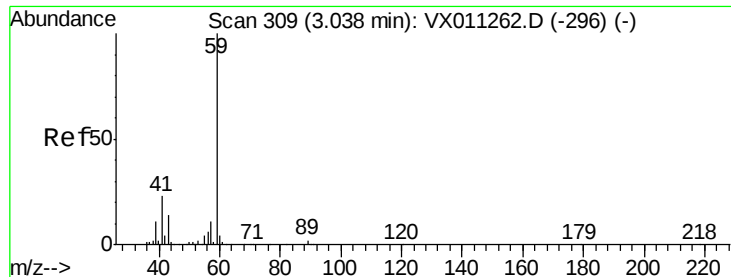
Tgt Ion: 64 Resp: 1052

Ion Ratio Lower Upper

64 100

66 3.1 25.1 37.7#

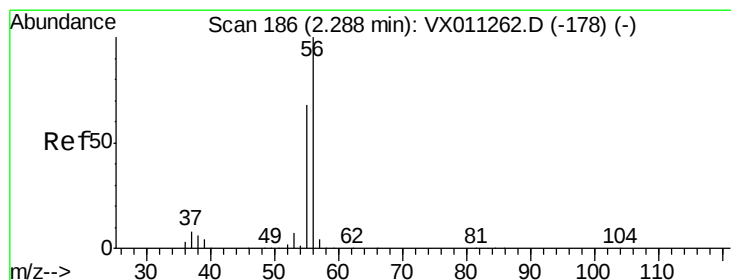
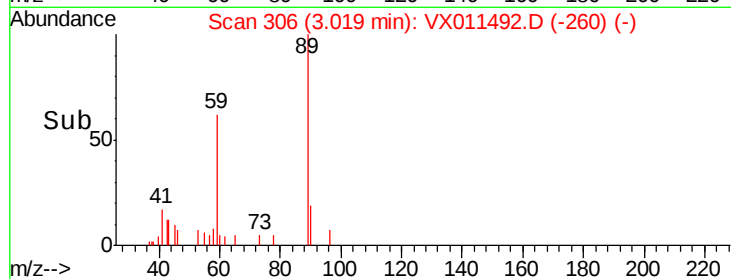
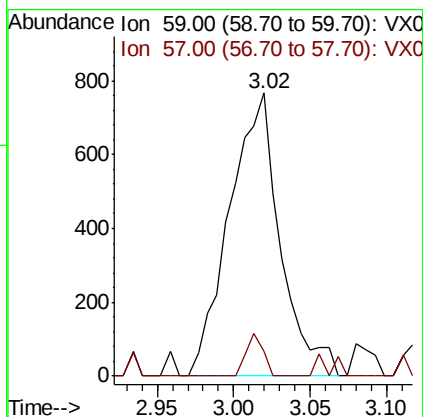
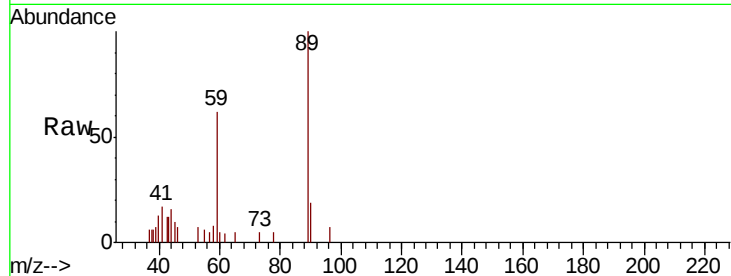




#11
Tert butyl alcohol
Concen: 4.872 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011492.D
Acq: 12 Aug 2019 18:36

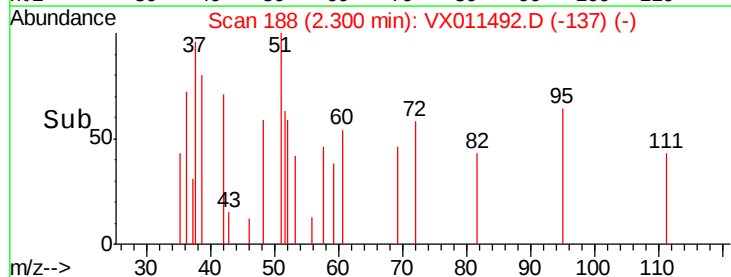
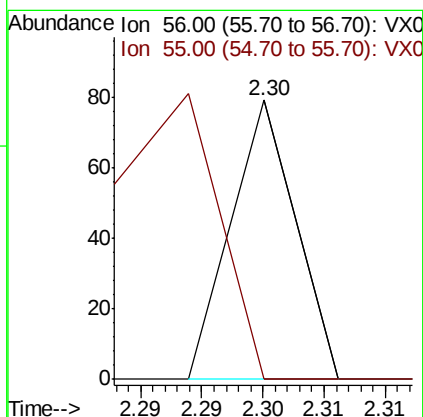
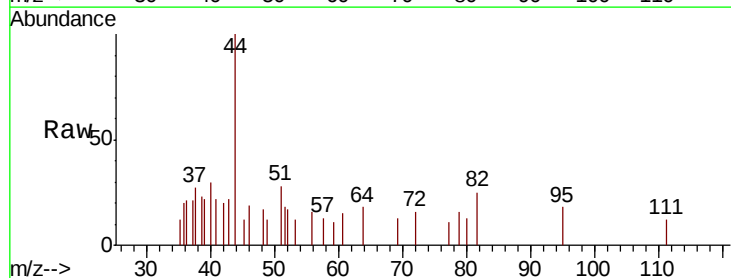
Instrument :
MSVOA_X
ClientSampleId :
Z3-0699

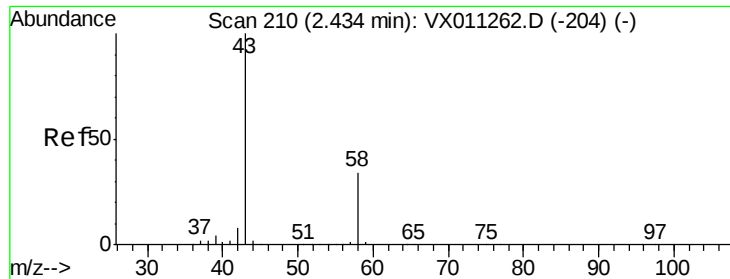
Tgt Ion: 59 Resp: 1774
Ion Ratio Lower Upper
59 100
57 5.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX011492.D
Acq: 12 Aug 2019 18:36

Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#





#16

Acetone

Concen: 2.032 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011492.D

Acq: 12 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampled :

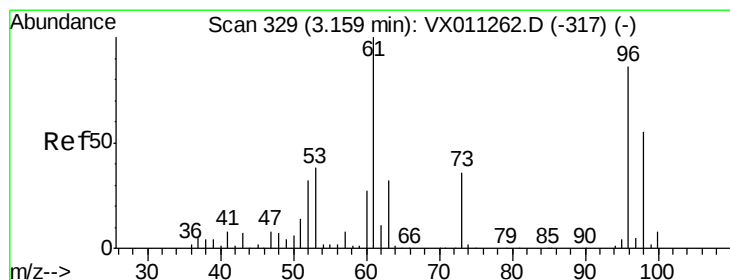
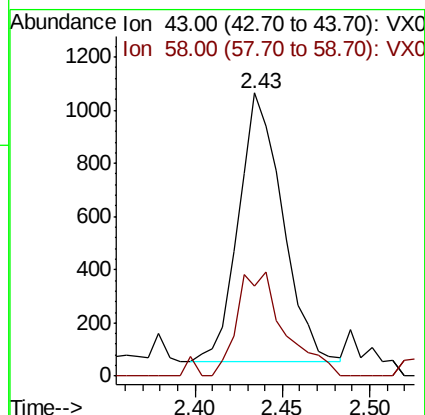
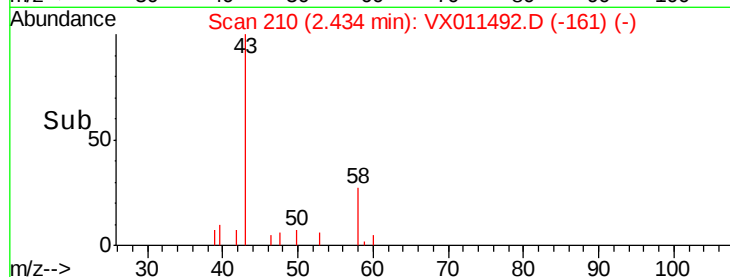
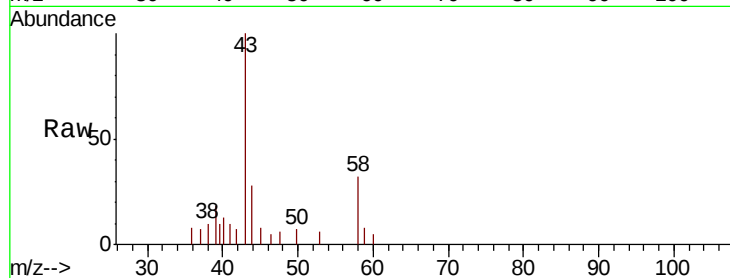
Z3-0699

Tgt Ion: 43 Resp: 1774

Ion Ratio Lower Upper

43 100

58 33.5 27.4 41.0



#21

trans-1,2-Dichloroethene

Concen: 0.355 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX011492.D

Acq: 12 Aug 2019 18:36

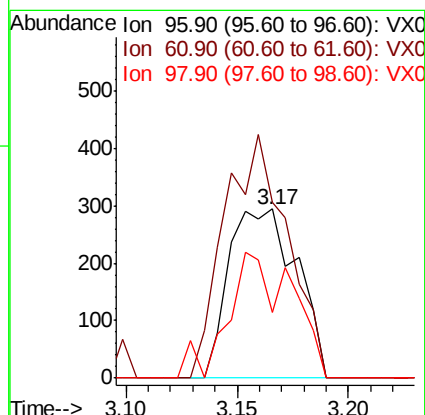
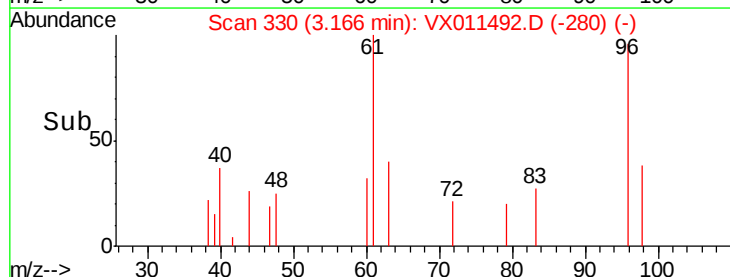
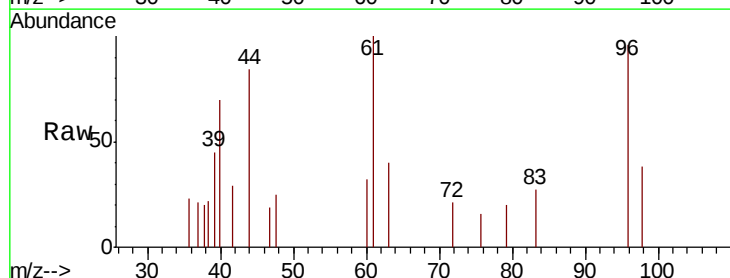
Tgt Ion: 96 Resp: 623

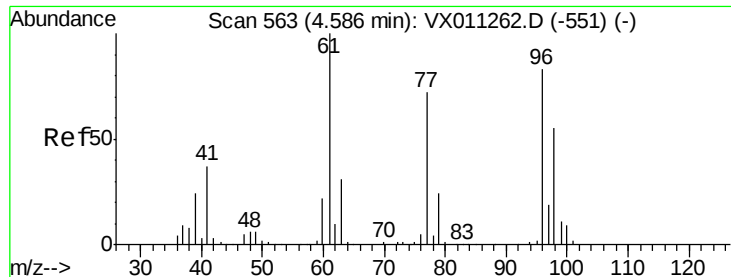
Ion Ratio Lower Upper

96 100

61 104.1 92.8 139.2

98 39.1 51.2 76.8#



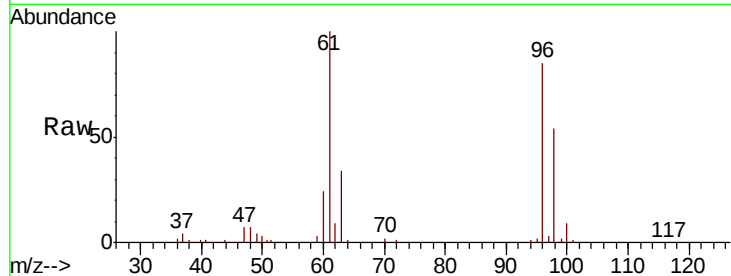


#27

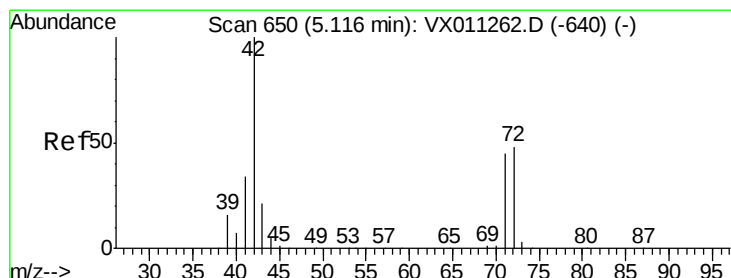
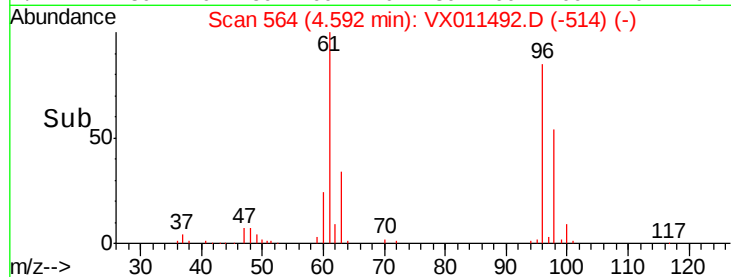
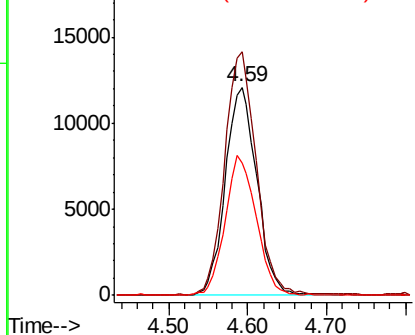
cis-1,2-Dichloroethene
 Concen: 16.671 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.01 min
 Lab File: VX011492.D
 Acq: 12 Aug 2019 18:36

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0699

Tgt Ion: 96 Resp: 33665
 Ion Ratio Lower Upper
 96 100
 61 117.0 0.0 260.2
 98 65.9 0.0 133.2



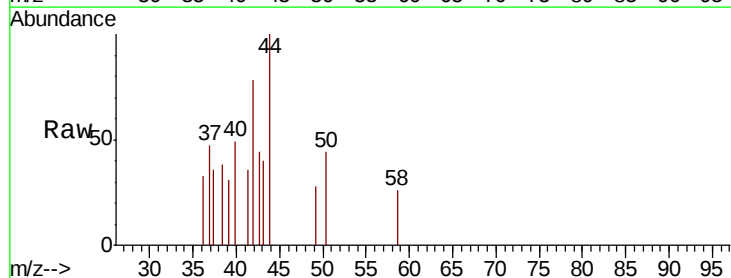
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



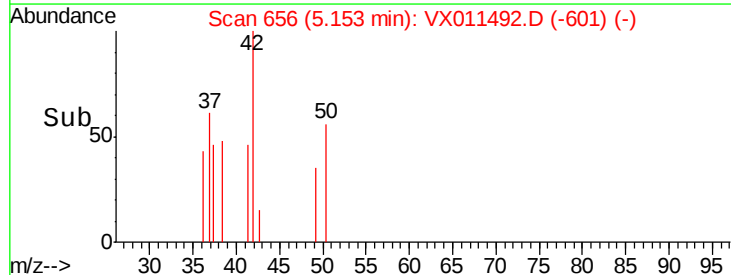
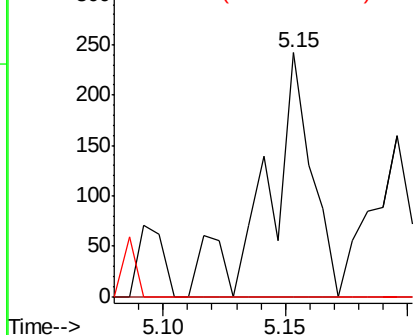
#29

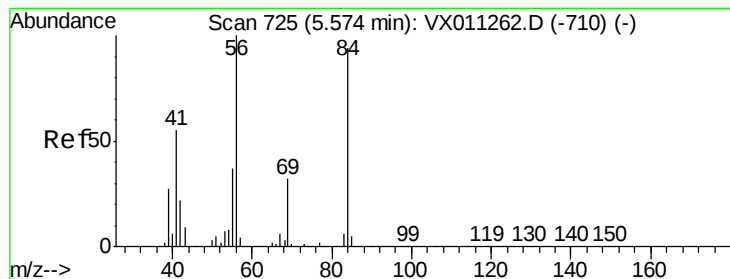
Tetrahydrofuran
 Concen: 0.404 ug/l
 RT: 5.15 min Scan# 656
 Delta R.T. 0.04 min
 Lab File: VX011492.D
 Acq: 12 Aug 2019 18:36

Tgt Ion: 42 Resp: 308
 Ion Ratio Lower Upper
 42 100
 72 0.0 39.9 59.9#
 71 0.0 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





#31

Cyclohexane

Concen: 1.503 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX011492.D

Acq: 12 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampled :

Z3-0699

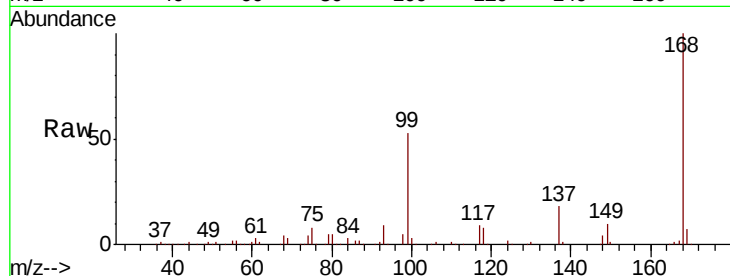
Tgt Ion: 56 Resp: 3551

Ion Ratio Lower Upper

56 100

69 154.4 25.5 38.3#

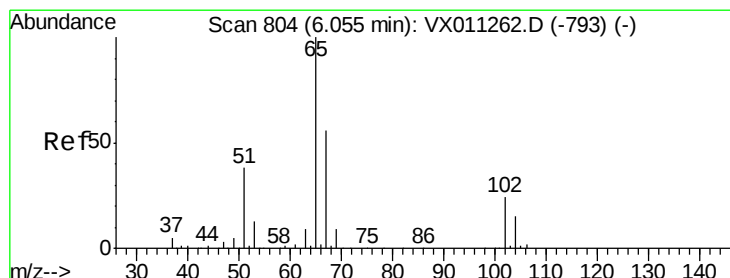
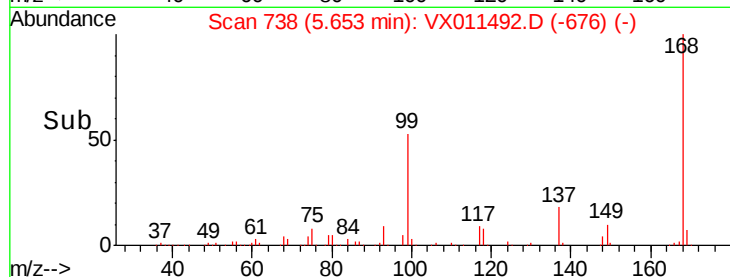
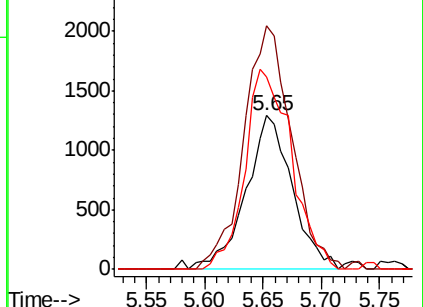
84 124.8 75.0 112.4#



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: 55.571 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011492.D

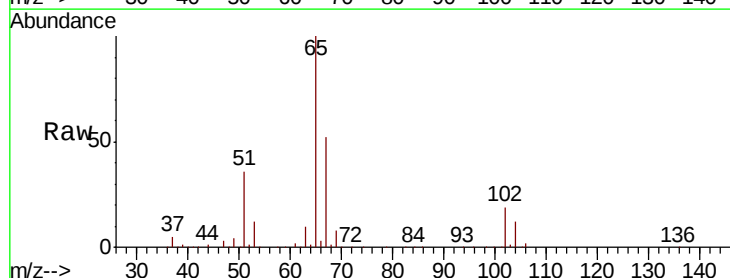
Acq: 12 Aug 2019 18:36

Tgt Ion: 65 Resp: 101943

Ion Ratio Lower Upper

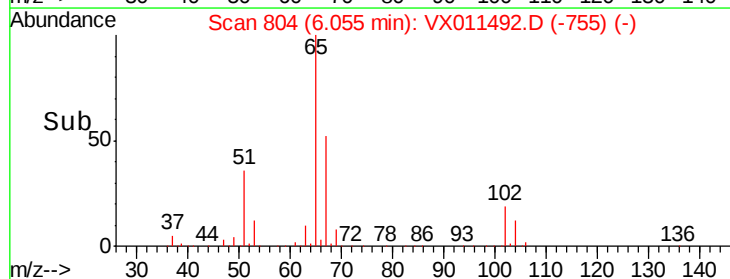
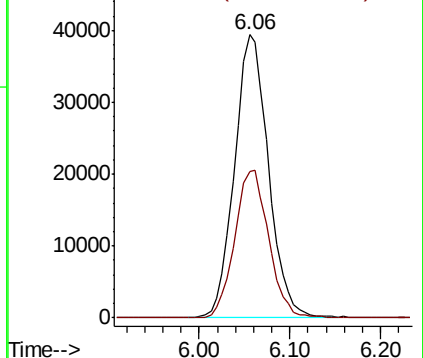
65 100

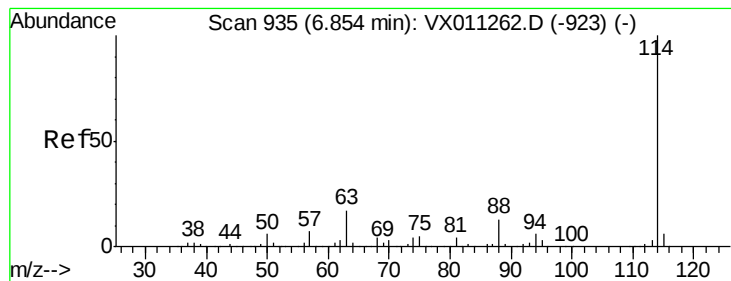
67 52.7 0.0 110.6



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: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011492.D

Acq: 12 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

Z3-0699

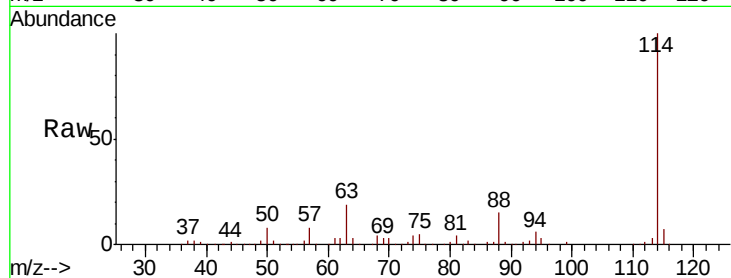
Tgt Ion:114 Resp: 273522

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.0

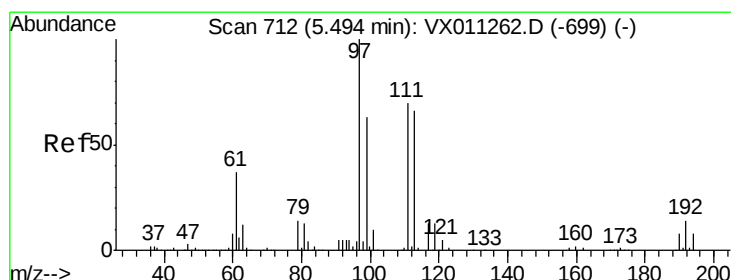
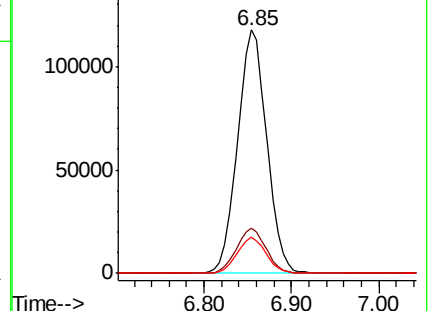
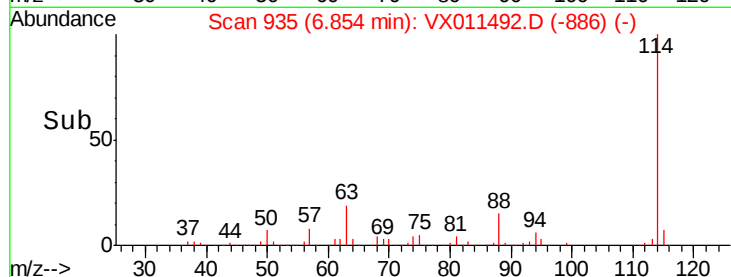
88 14.8 0.0 26.4



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: 47.559 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011492.D

Acq: 12 Aug 2019 18:36

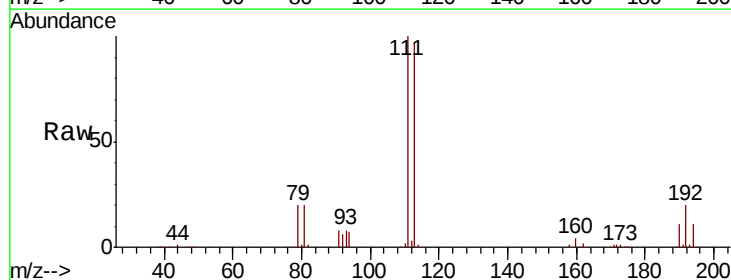
Tgt Ion:113 Resp: 84929

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

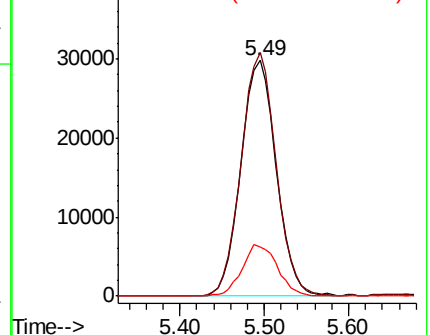
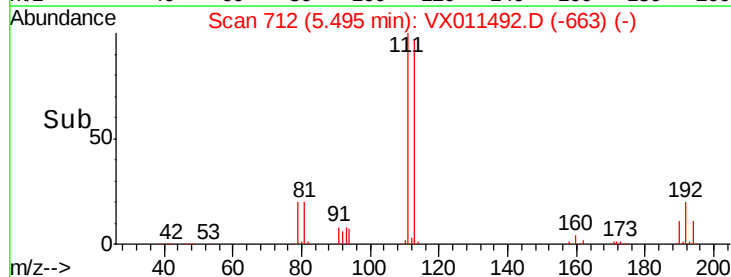
192 21.7 17.8 26.8

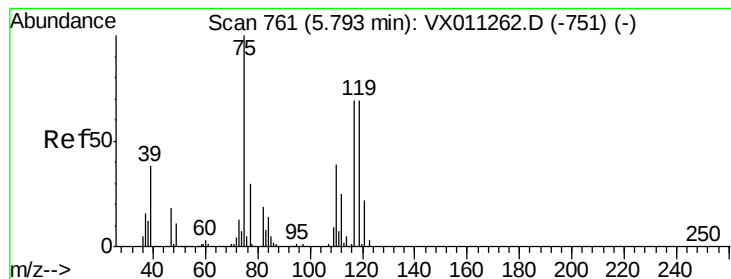


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.375 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011492.D

Acq: 12 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

Z3-0699

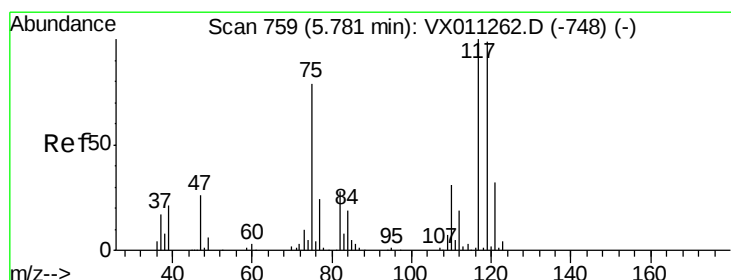
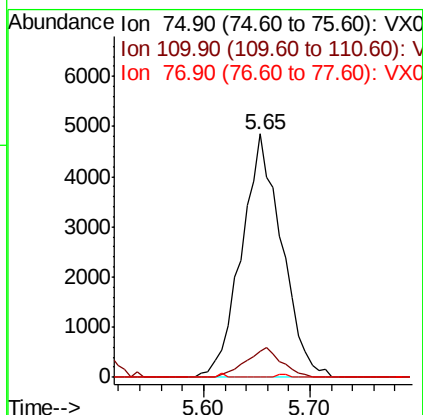
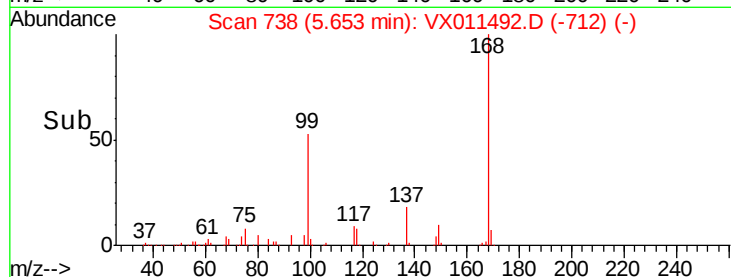
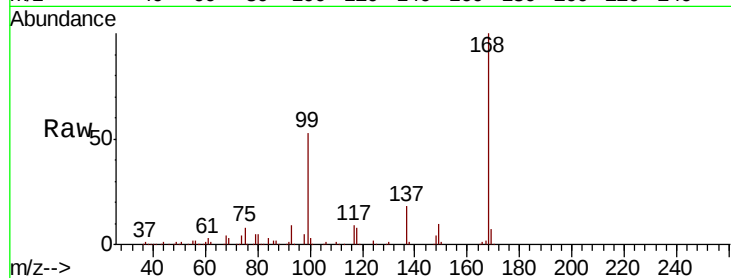
Tgt Ion: 75 Resp: 12836

Ion Ratio Lower Upper

75 100

110 10.8 20.0 59.9#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.267 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011492.D

Acq: 12 Aug 2019 18:36

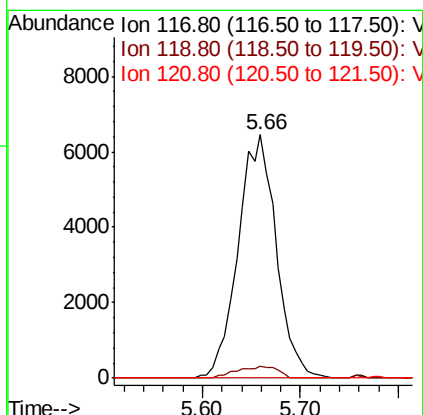
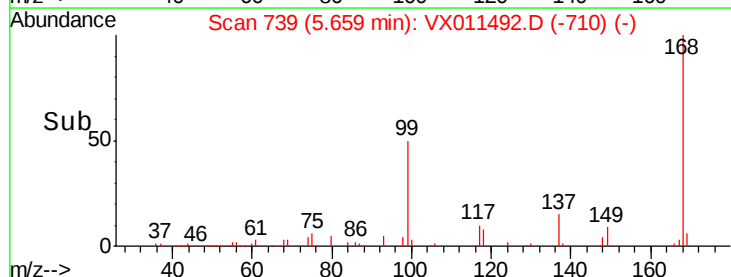
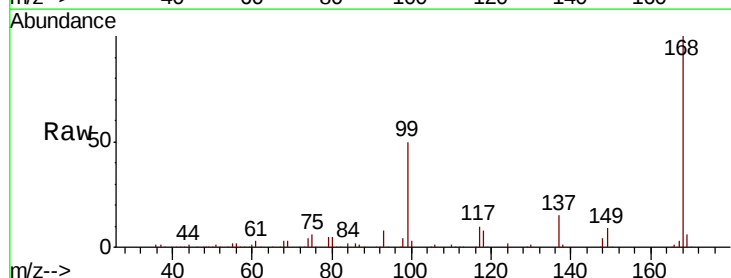
Tgt Ion: 117 Resp: 17460

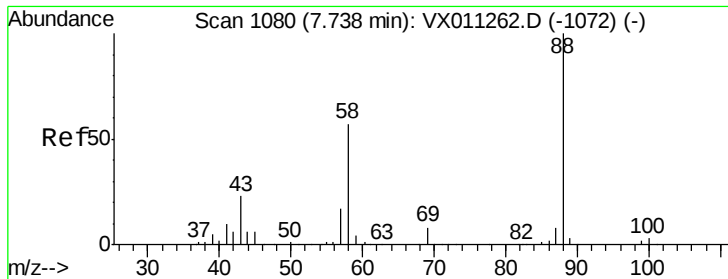
Ion Ratio Lower Upper

117 100

119 4.8 79.0 118.4#

121 0.0 25.9 38.9#

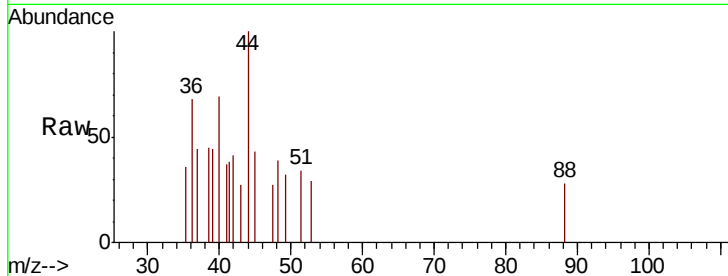




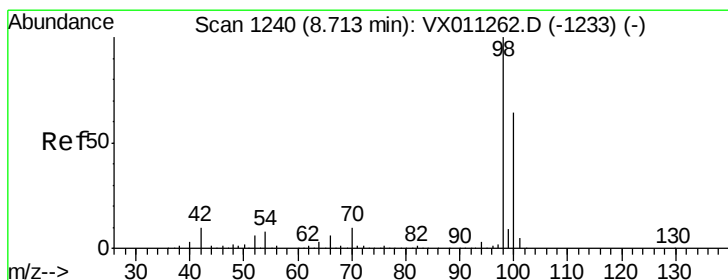
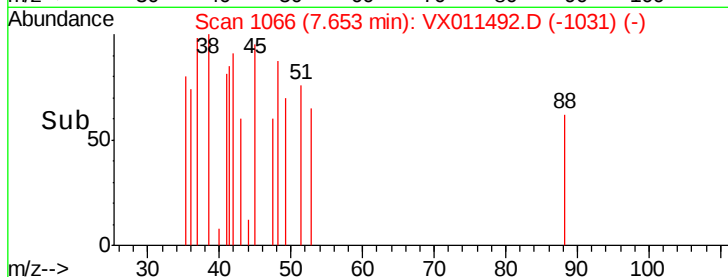
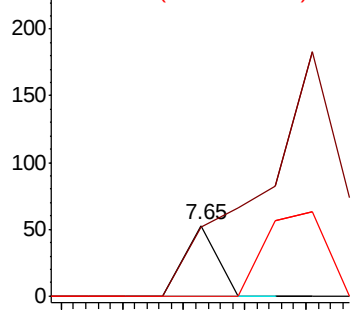
#49
1,4-Dioxane
Concen: 0.364 ug/l
RT: 7.65 min Scan# 1066
Delta R.T. -0.09 min
Lab File: VX011492.D
Acq: 12 Aug 2019 18:36

Instrument :
MSVOA_X
ClientSampleId :
Z3-0699

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 994.7 22.2 33.2#
58 231.6 47.8 71.8#

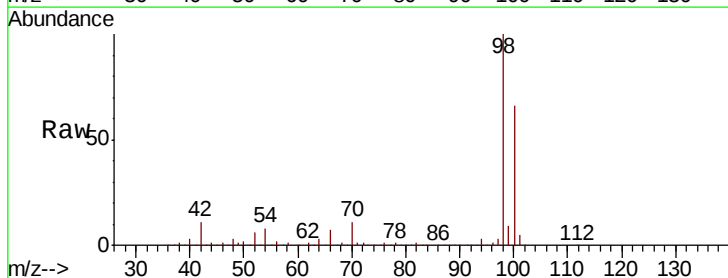


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

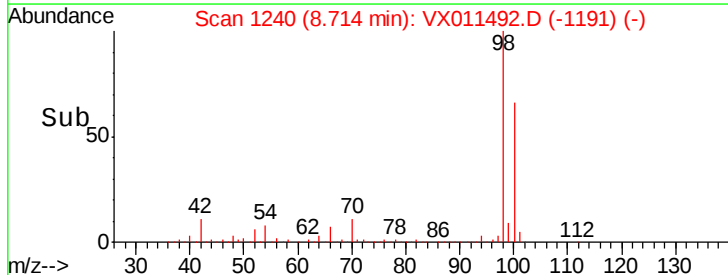
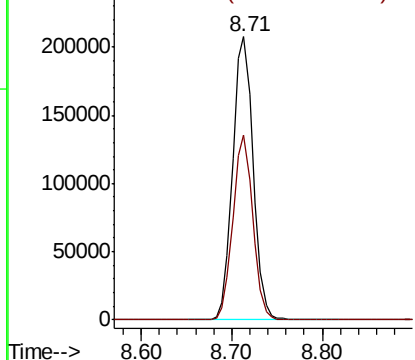


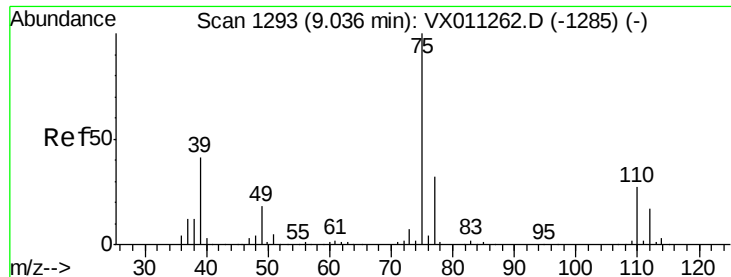
#50
Toluene-d8
Concen: 48.074 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011492.D
Acq: 12 Aug 2019 18:36

Tgt Ion: 98 Resp: 324057
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): V

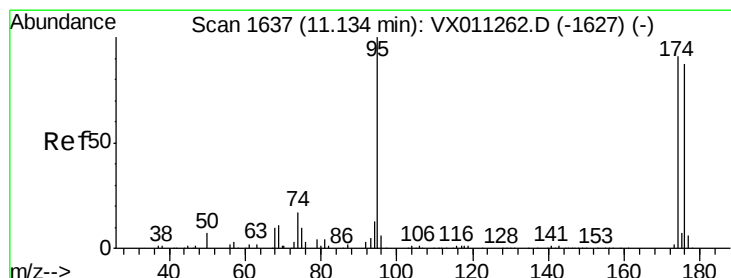
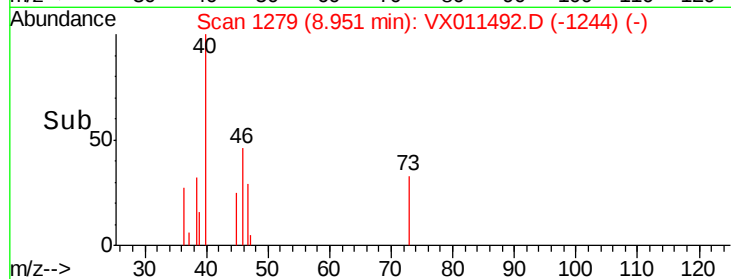
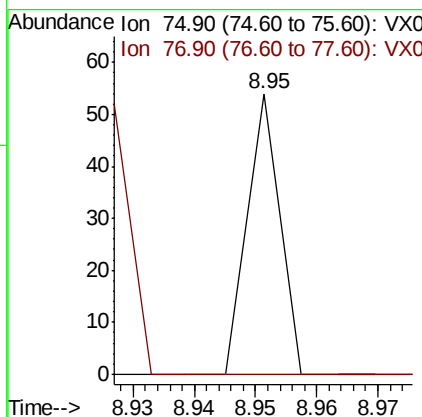
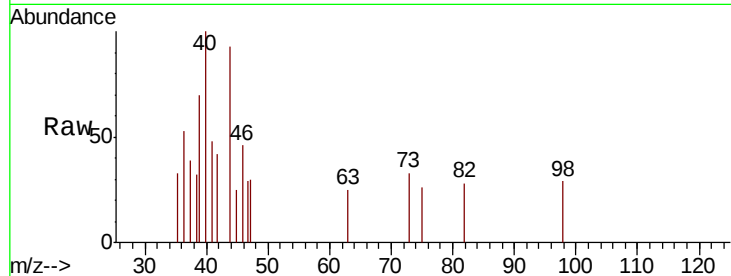




#53
t-1,3-Dichloropropene
Concen: 2.846 ug/l
RT: 8.95 min Scan# 1279
Delta R.T. -0.08 min
Lab File: VX011492.D
Acq: 12 Aug 2019 18:36

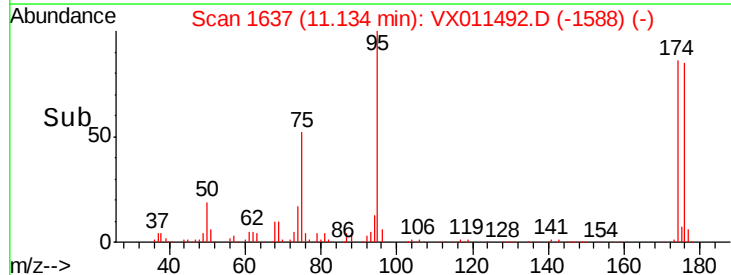
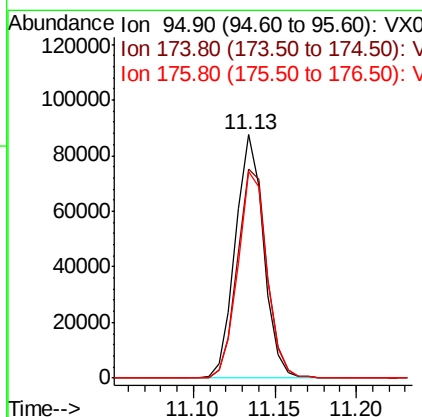
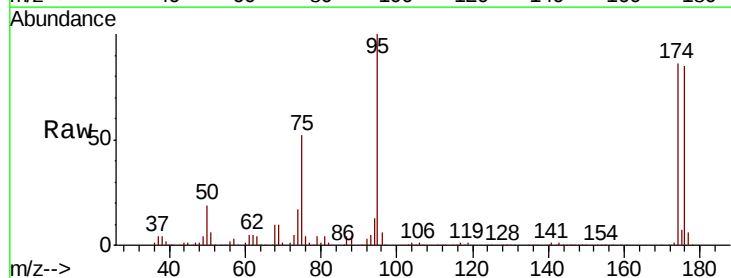
Instrument :
MSVOA_X
ClientSampleId :
Z3-0699

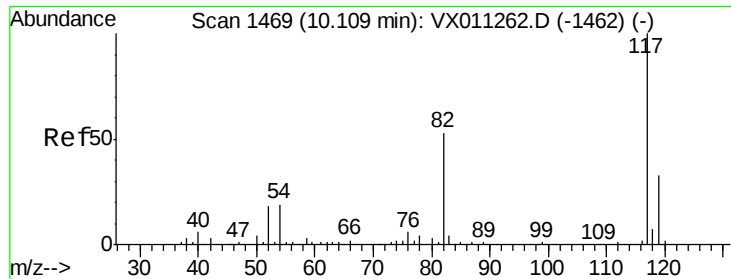
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 43.951 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011492.D
Acq: 12 Aug 2019 18:36

Tgt Ion: 95 Resp: 105774
Ion Ratio Lower Upper
95 100
174 90.4 0.0 191.2
176 87.1 0.0 184.8

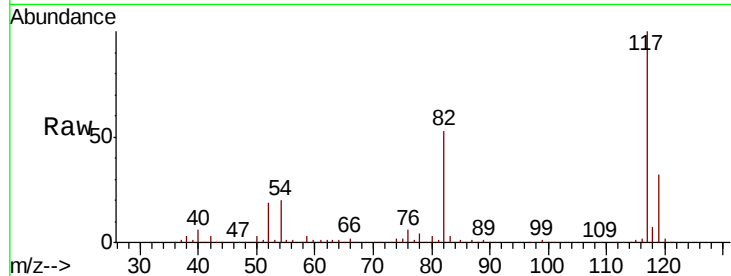




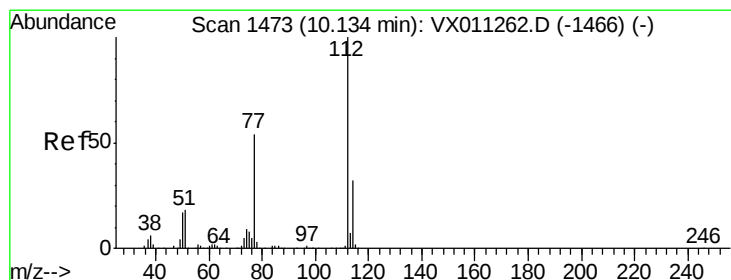
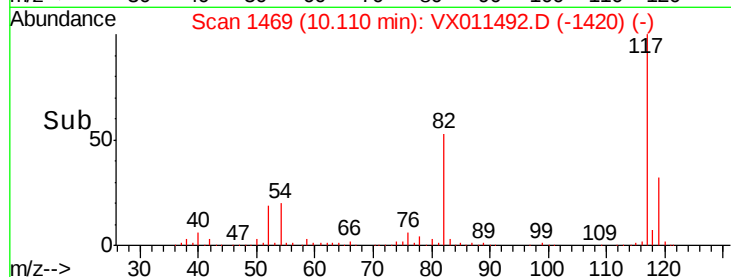
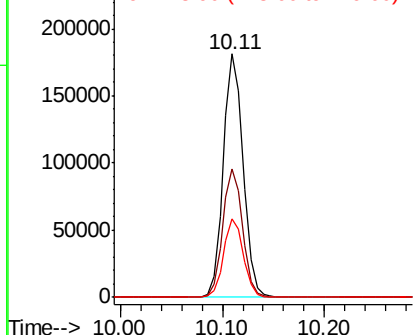
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011492.D
Acq: 12 Aug 2019 18:36

Instrument :
MSVOA_X
ClientSampled :
Z3-0699

Tgt Ion:117 Resp: 245716
Ion Ratio Lower Upper
117 100
82 52.7 42.2 63.2
119 32.0 26.6 39.8

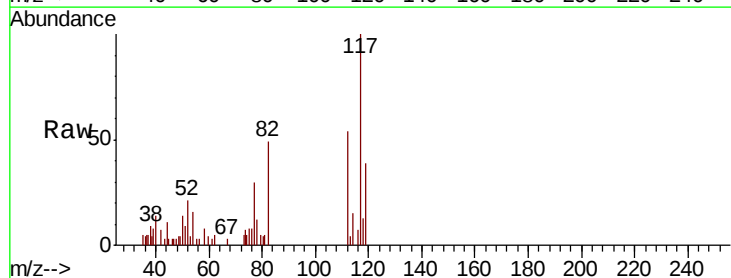


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

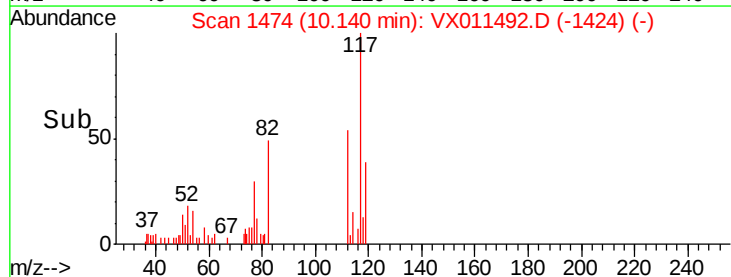
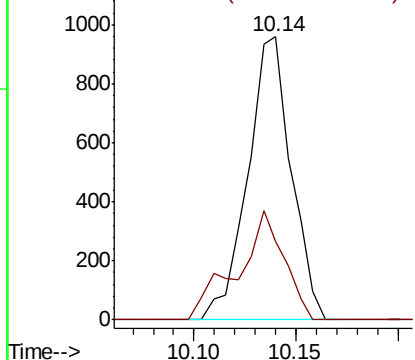


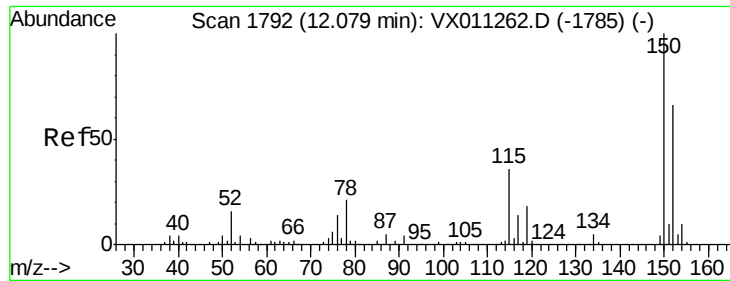
#65
Chlorobenzene
Concen: 0.270 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX011492.D
Acq: 12 Aug 2019 18:36

Tgt Ion:112 Resp: 1423
Ion Ratio Lower Upper
112 100
114 27.9 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VX011492.D

Acq: 12 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

Z3-0699

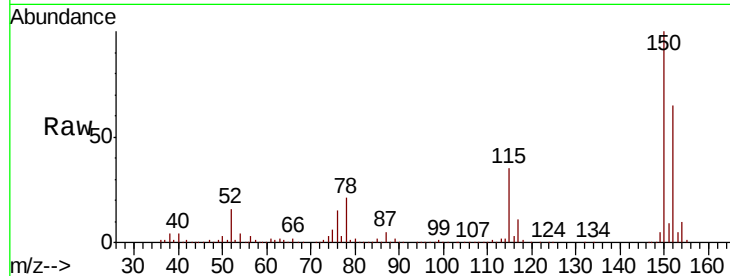
Tgt Ion:152 Resp: 110122

Ion Ratio Lower Upper

152 100

115 56.6 40.0 119.9

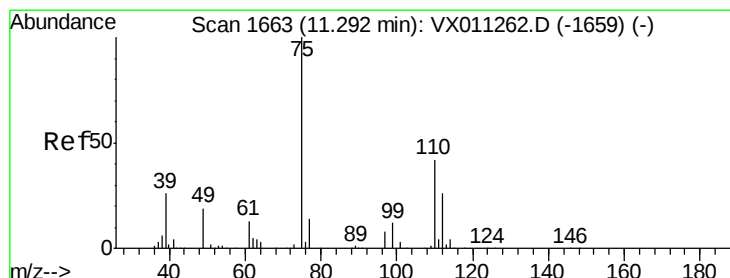
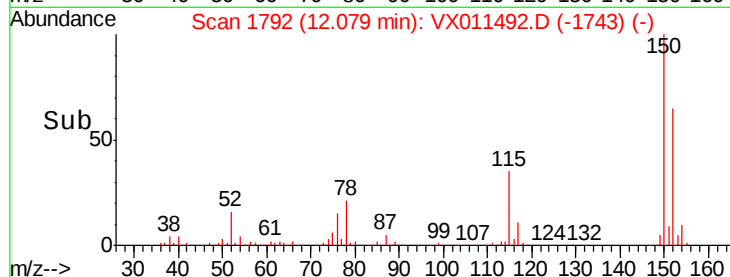
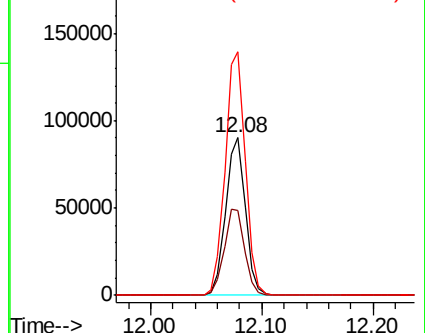
150 158.8 0.0 350.4



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: 27.404 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011492.D

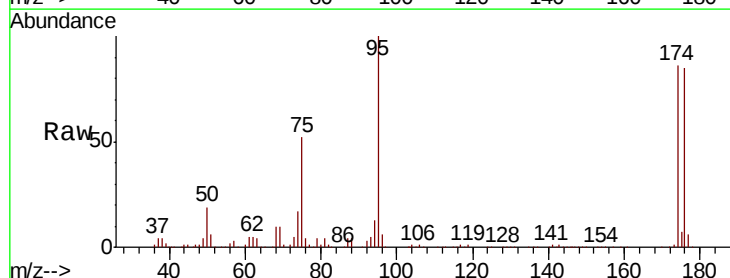
Acq: 12 Aug 2019 18:36

Tgt Ion: 75 Resp: 54958

Ion Ratio Lower Upper

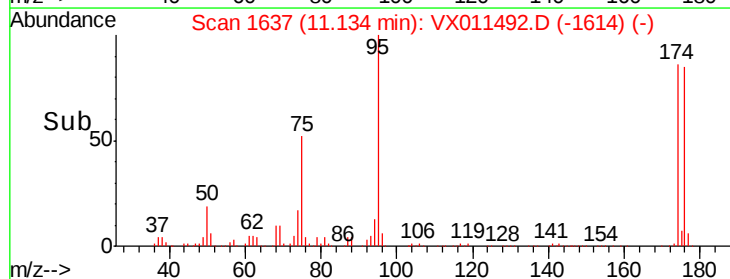
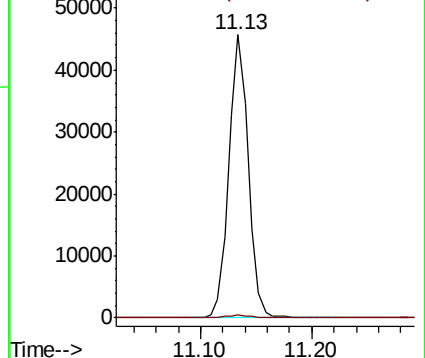
75 100

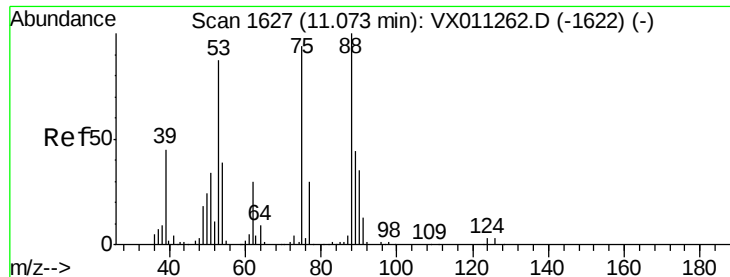
77 1.3 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.078 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011492.D

Acq: 12 Aug 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

Z3-0699

Tgt Ion: 75 Resp: 54958

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 37.9 56.9#

