

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080619\
 Data File : VX011349.D
 Acq On : 06 Aug 2019 14:23
 Operator : JC/SP
 Sample : K4119-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0690

Quant Time: Aug 07 01:14:18 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	5.65	168	153185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	251572	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	111999	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	84150	54.55	ug/l	0.00
Spiked Amount			Recovery	=	109.10%	
35) Dibromofluoromethane	5.48	113	79470	48.38	ug/l	-0.01
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	8.71	98	303641	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.13	95	105015	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	

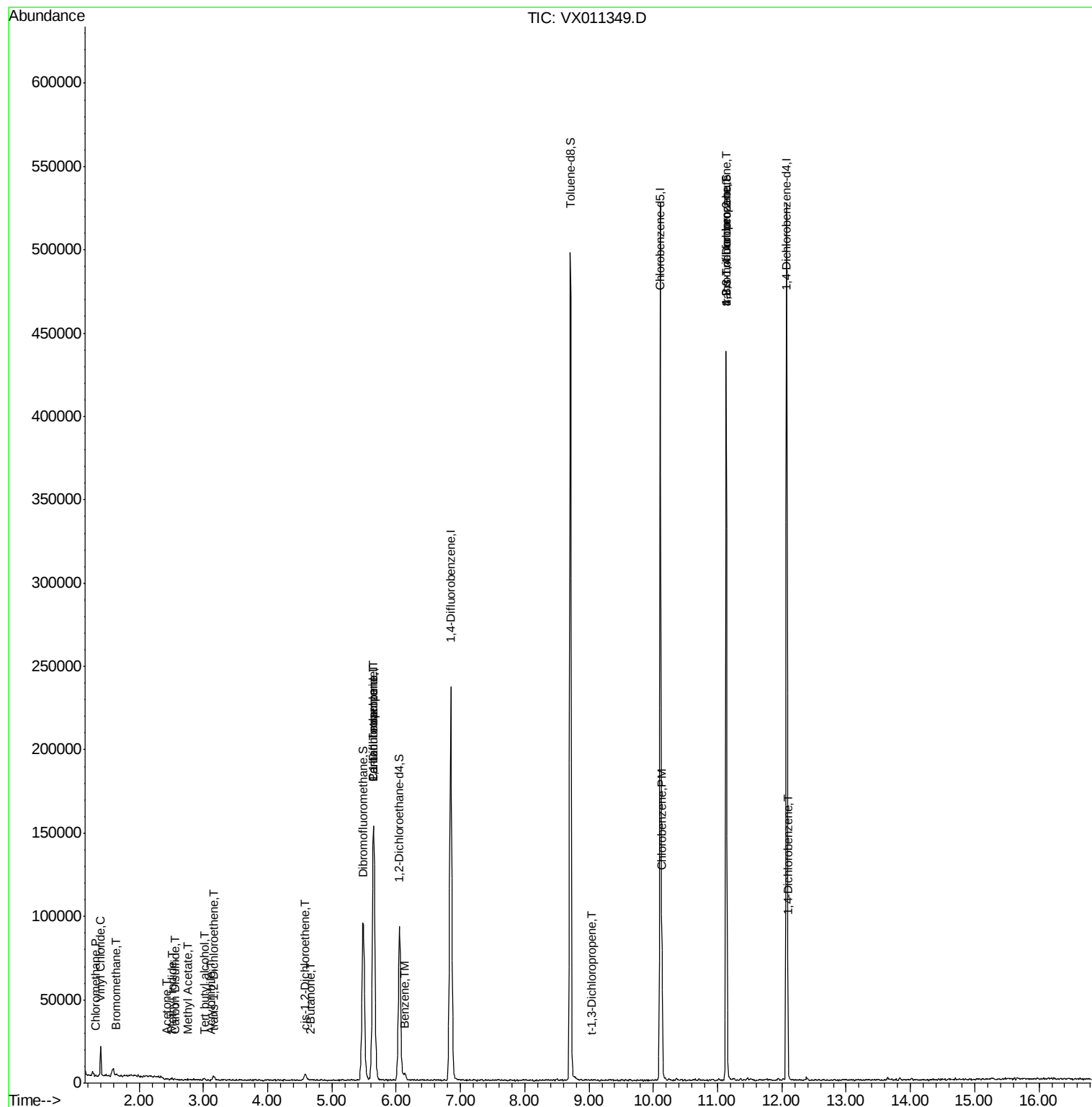
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	361	0.272	ug/l #	57
4) Vinyl Chloride	1.40	62	11562	7.911	ug/l	100
5) Bromomethane	1.65	94	506	0.485	ug/l #	59
6) Chloroethane	1.71	64	229	Below Cal	#	49
10) Methyl Iodide	2.51	142	740	0.417	ug/l #	90
11) Tert butyl alcohol	3.02	59	850	2.786	ug/l #	93
13) Acrolein	2.29	56	52	Below Cal	#	15
15) Acrylonitrile	3.13	53	239	0.326	ug/l #	68
16) Acetone	2.43	43	469	0.639	ug/l #	40
17) Carbon Disulfide	2.56	76	717	0.219	ug/l #	75
18) Methyl Acetate	2.76	43	356	0.212	ug/l	91
21) trans-1,2-Dichloroethene	3.15	96	767	0.520	ug/l	88
25) 2-Butanone	4.67	43	263	0.252	ug/l #	46
27) cis-1,2-Dichloroethene	4.59	96	2281	1.343	ug/l	91
36) 1,1-Dichloropropene	5.65	75	10058	4.579	ug/l #	50
38) Carbon Tetrachloride	5.64	117	14180	6.417	ug/l #	16
40) Benzene	6.13	78	4384	0.669	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	45	2.856	ug/l #	43
65) Chlorobenzene	10.13	112	29691	5.844	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	52400	25.691	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	52400	66.917	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	1202	0.311	ug/l #	43

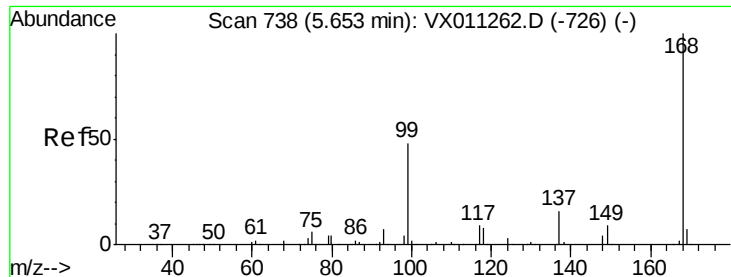
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX080619\
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Quant Time: Aug 07 01:14:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
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: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011349.D

Acq: 06 Aug 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

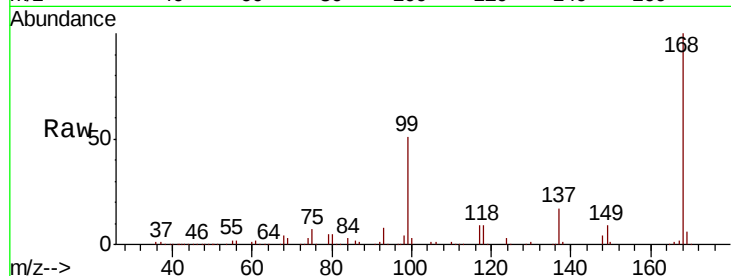
Z3-0690

Tgt Ion:168 Resp: 153185

Ion Ratio Lower Upper

168 100

99 50.5 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

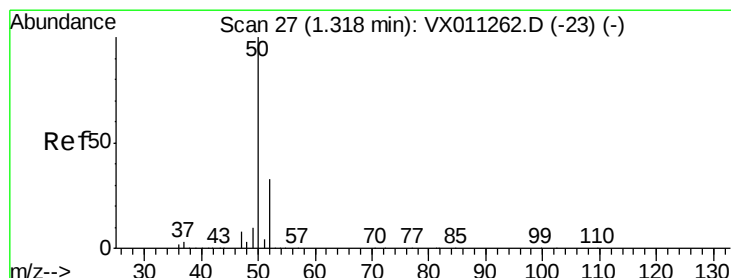
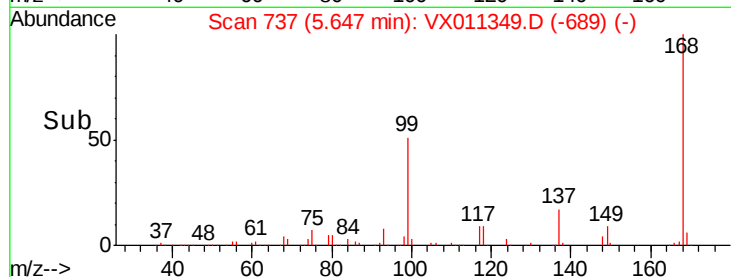
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.272 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011349.D

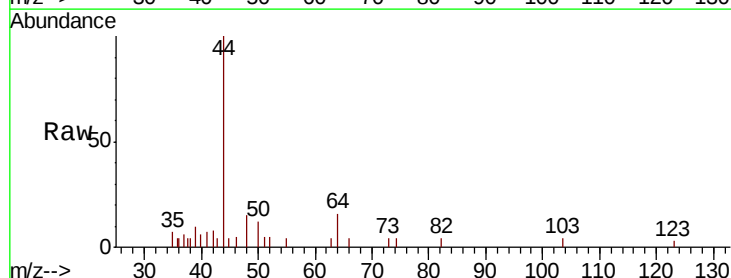
Acq: 06 Aug 2019 14:23

Tgt Ion: 50 Resp: 361

Ion Ratio Lower Upper

50 100

52 8.5 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

250

200

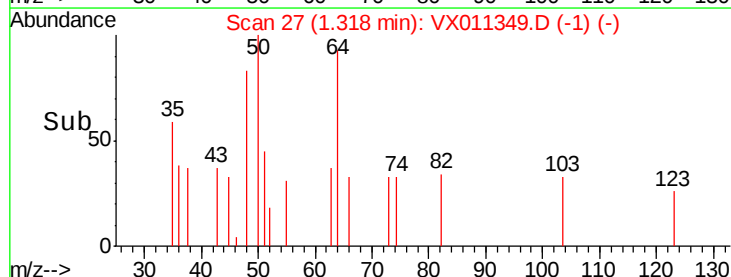
150

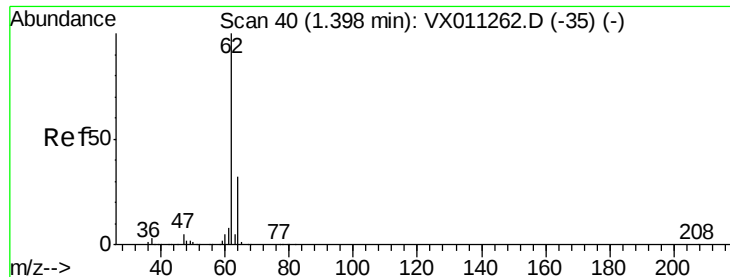
100

50

0

Time--> 1.28 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 7.911 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011349.D

Acq: 06 Aug 2019 14:23

Instrument :

MSVOA_X

ClientSampled :

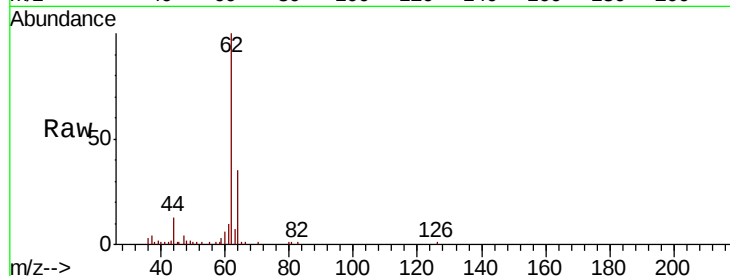
Z3-0690

Tgt Ion: 62 Resp: 11562

Ion Ratio Lower Upper

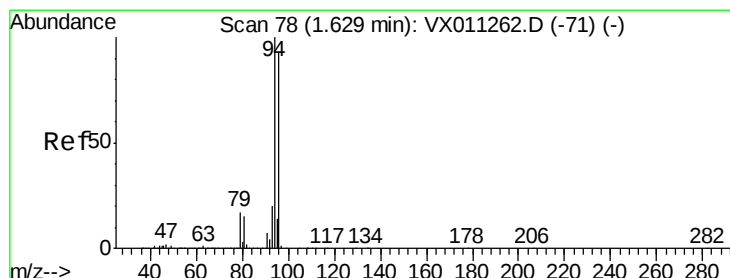
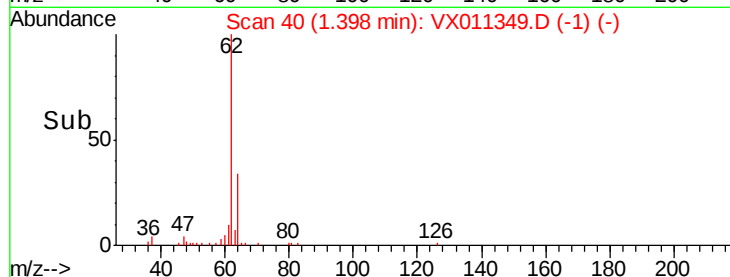
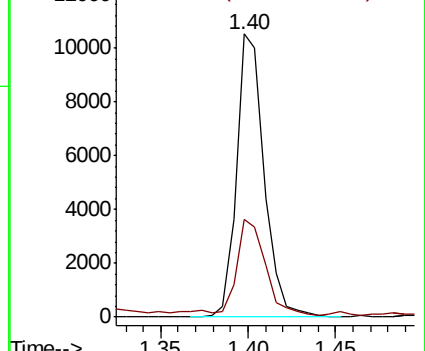
62 100

64 32.7 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: 0.485 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX011349.D

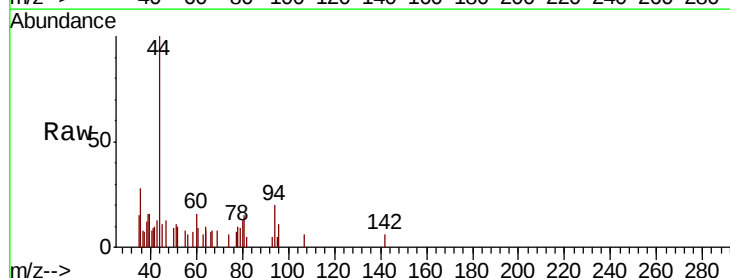
Acq: 06 Aug 2019 14:23

Tgt Ion: 94 Resp: 506

Ion Ratio Lower Upper

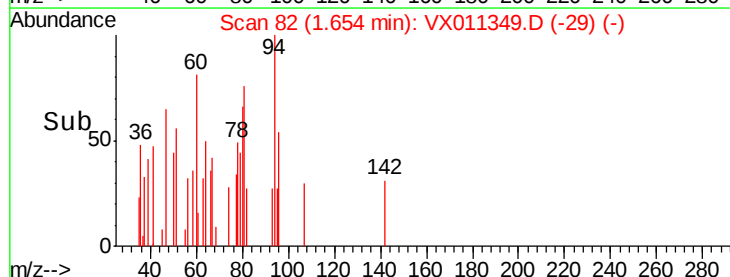
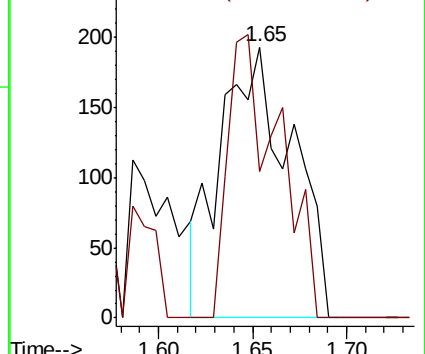
94 100

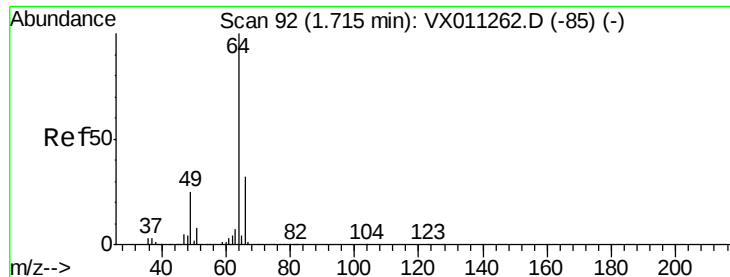
96 53.9 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011349.D

Acq: 06 Aug 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

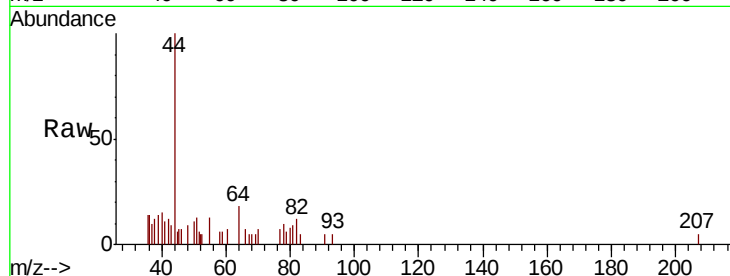
Z3-0690

Tgt Ion: 64 Resp: 229

Ion Ratio Lower Upper

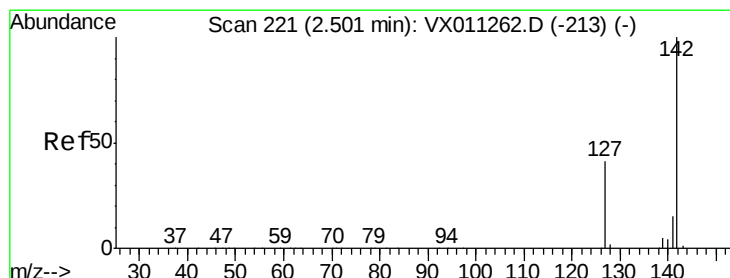
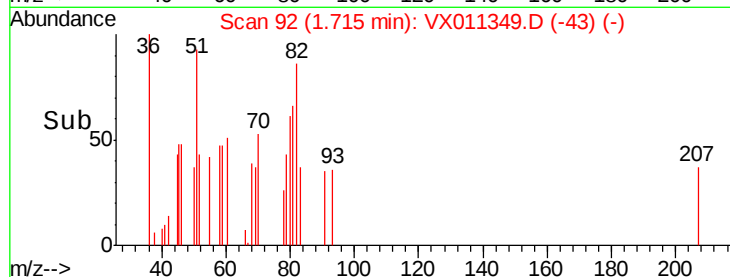
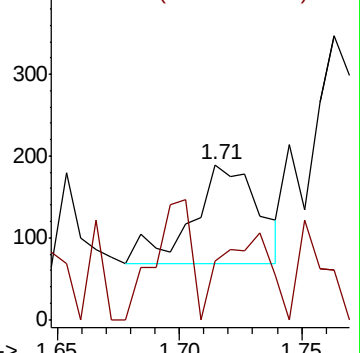
64 100

66 59.5 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.417 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011349.D

Acq: 06 Aug 2019 14:23

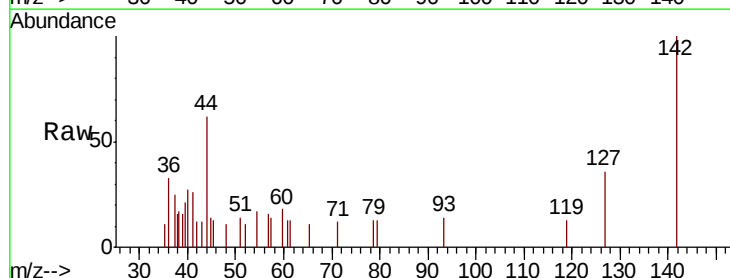
Tgt Ion: 142 Resp: 740

Ion Ratio Lower Upper

142 100

127 44.7 33.8 50.8

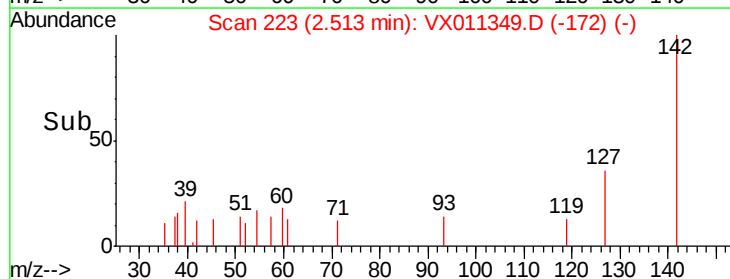
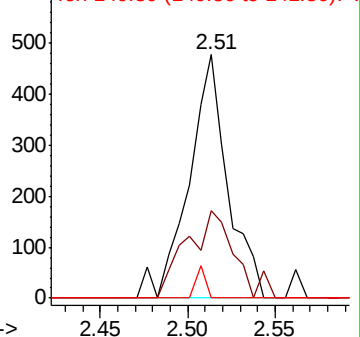
141 3.2 11.4 17.2#

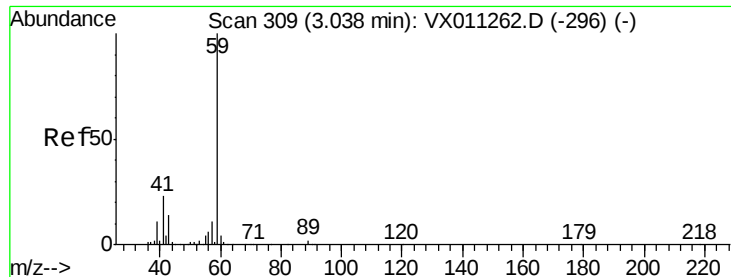


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

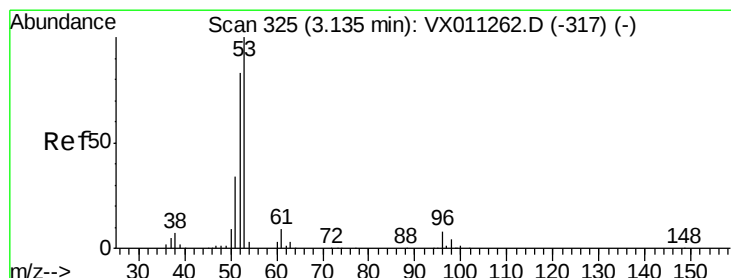
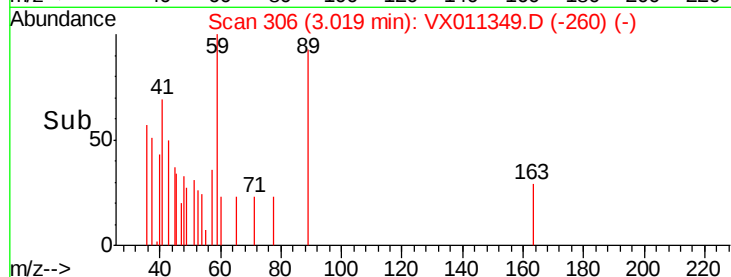
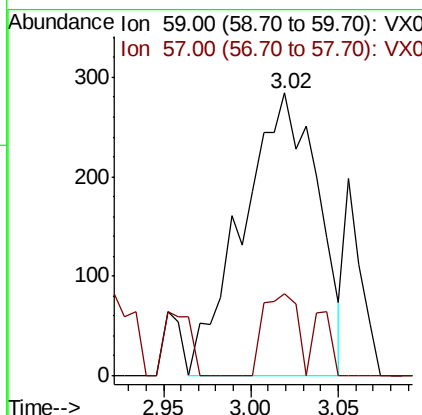
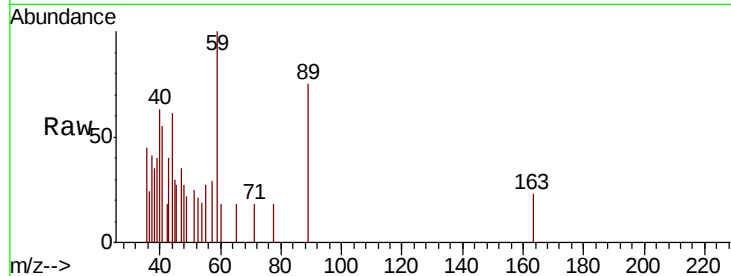




#11
Tert butyl alcohol
Concen: 2.786 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX011349.D
Acq: 06 Aug 2019 14:23

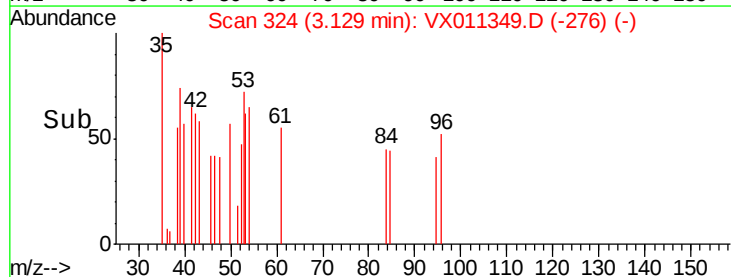
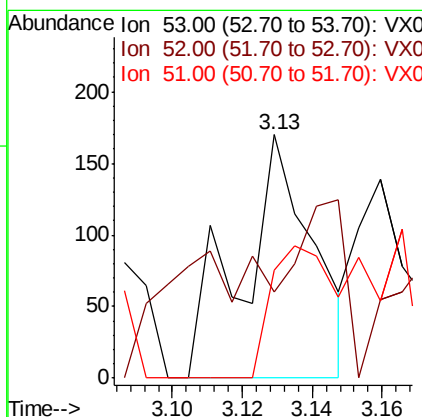
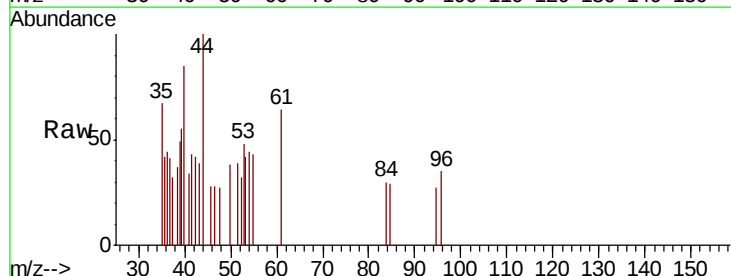
Instrument :
MSVOA_X
ClientSampled :
Z3-0690

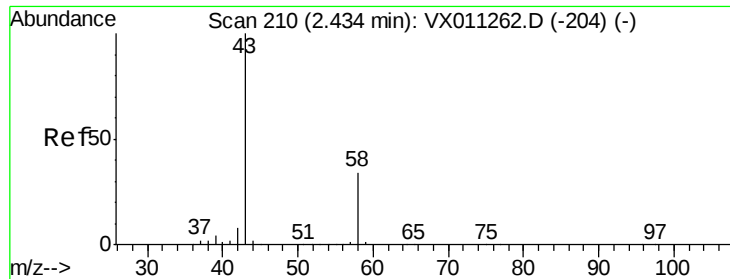
Tgt Ion: 59 Resp: 850
Ion Ratio Lower Upper
59 100
57 13.1 8.3 12.5#



#15
Acrylonitrile
Concen: 0.326 ug/l
RT: 3.13 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX011349.D
Acq: 06 Aug 2019 14:23

Tgt Ion: 53 Resp: 239
Ion Ratio Lower Upper
53 100
52 49.8 65.5 98.3#
51 47.3 27.9 41.9#





#16

Acetone

Concen: 0.639 ug/l

RT: 2.43 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX011349.D

Acq: 06 Aug 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

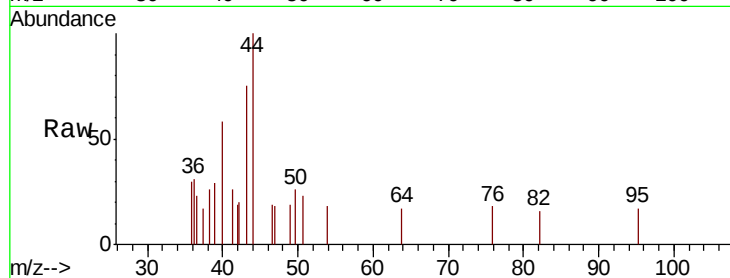
Z3-0690

Tgt Ion: 43 Resp: 469

Ion Ratio Lower Upper

43 100

58 0.0 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

250

200

150

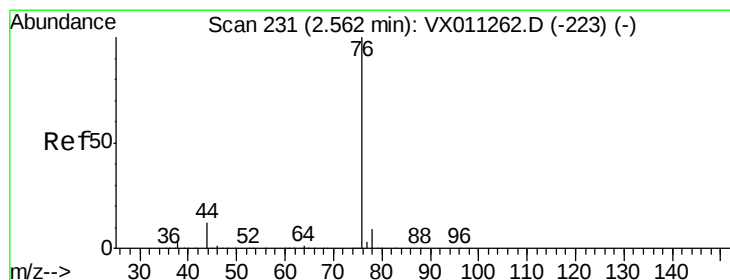
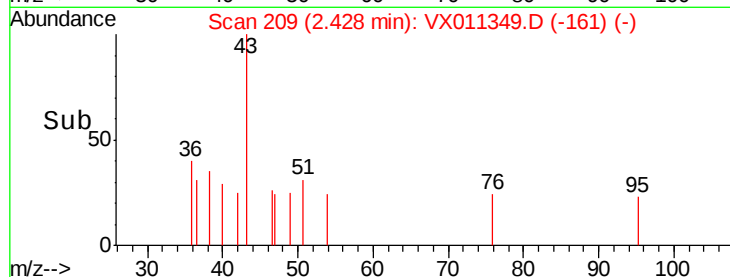
100

50

0

2.38 2.40 2.42 2.44 2.46

Time-->



#17

Carbon Disulfide

Concen: 0.219 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011349.D

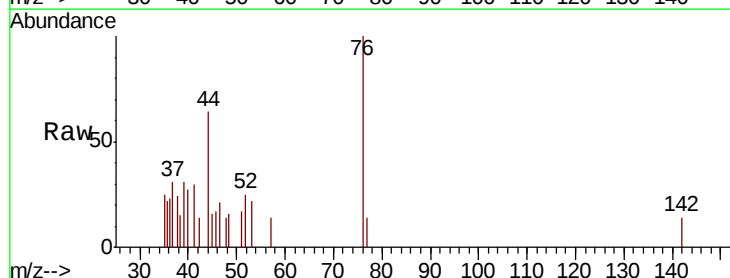
Acq: 06 Aug 2019 14:23

Tgt Ion: 76 Resp: 717

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

400

300

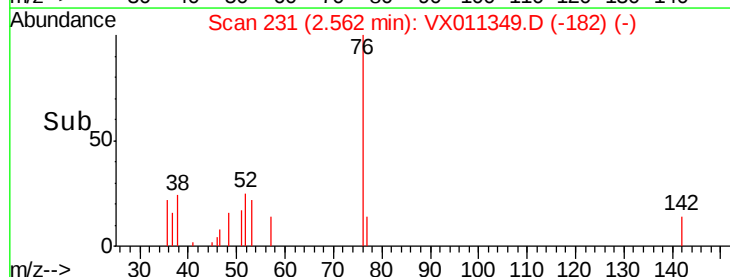
200

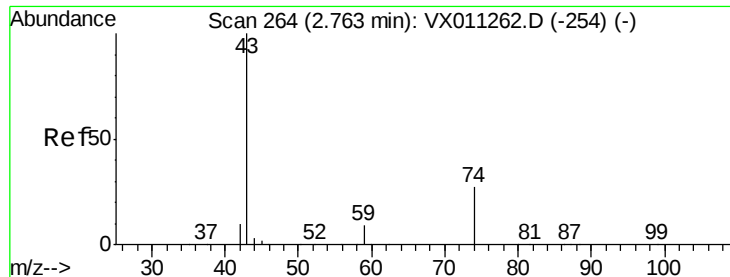
100

0

2.50 2.55 2.60

Time-->

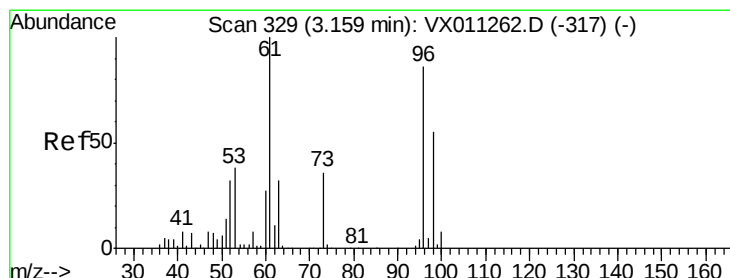
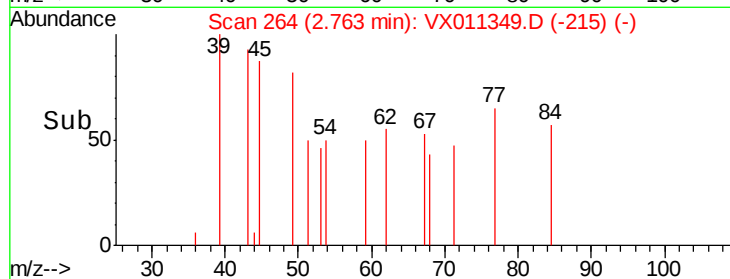
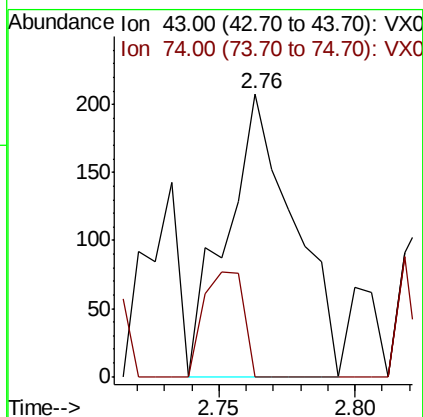
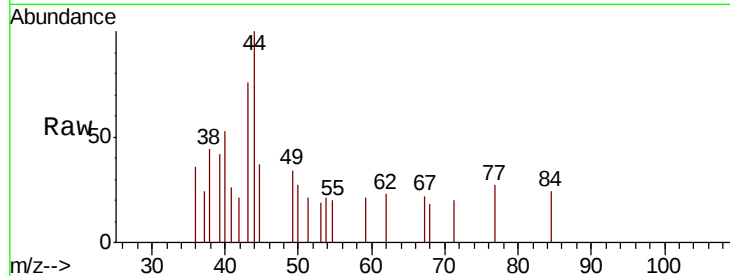




#18
Methyl Acetate
Concen: 0.212 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011349.D
Acq: 06 Aug 2019 14:23

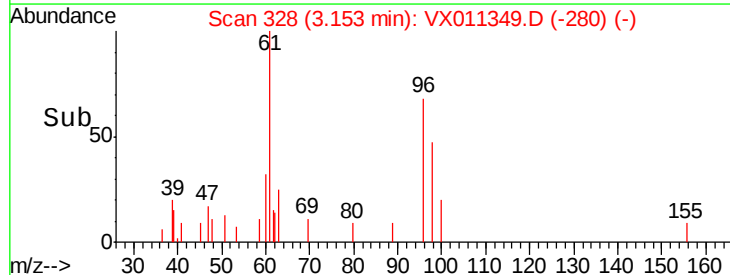
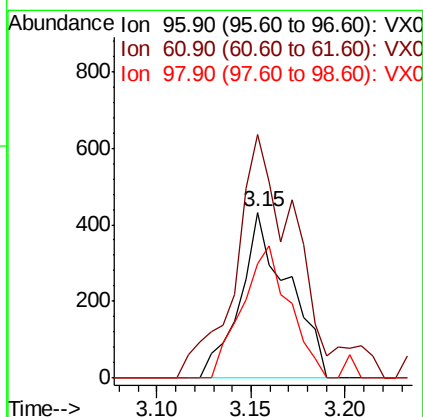
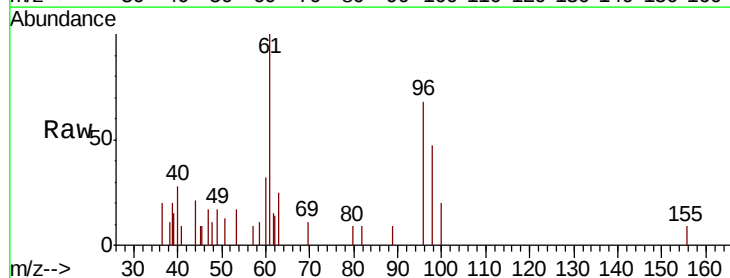
Instrument :
MSVOA_X
ClientSampled :
Z3-0690

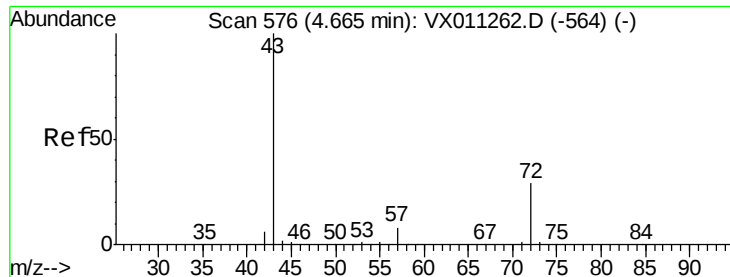
Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
74 21.9 21.0 31.6



#21
trans-1,2-Dichloroethene
Concen: 0.520 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.01 min
Lab File: VX011349.D
Acq: 06 Aug 2019 14:23

Tgt Ion: 96 Resp: 767
Ion Ratio Lower Upper
96 100
61 132.8 92.8 139.2
98 68.6 51.2 76.8





#25

2-Butanone

Concen: 0.252 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011349.D

Acq: 06 Aug 2019 14:23

Instrument :

MSVOA_X

ClientSampled :

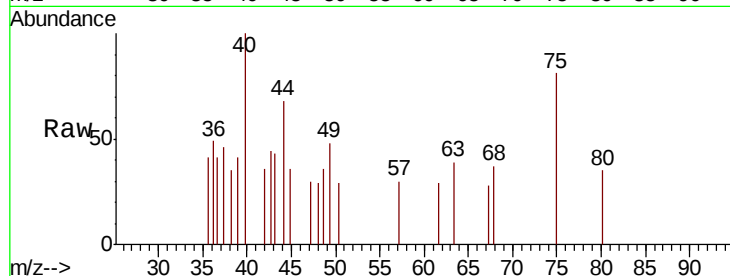
Z3-0690

Tgt Ion: 43 Resp: 263

Ion Ratio Lower Upper

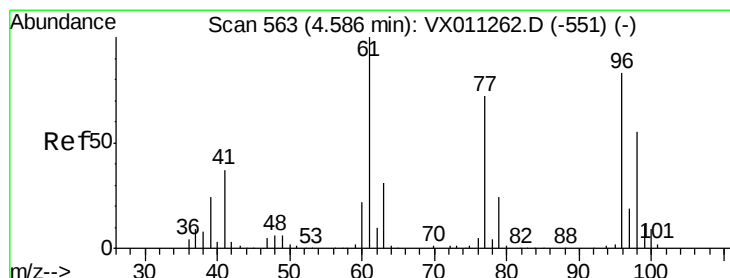
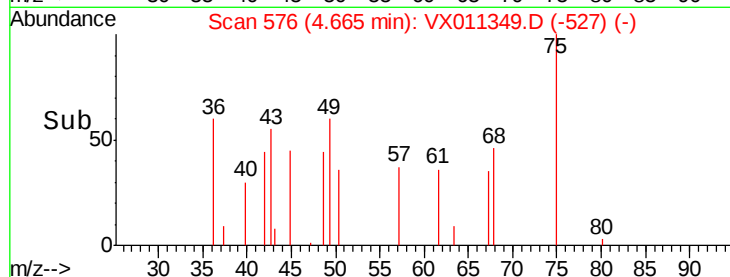
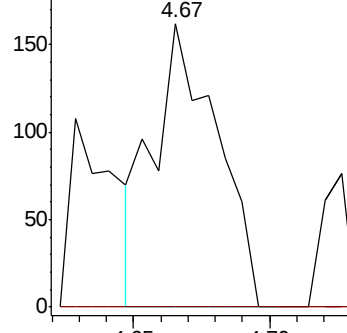
43 100

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: 1.343 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX011349.D

Acq: 06 Aug 2019 14:23

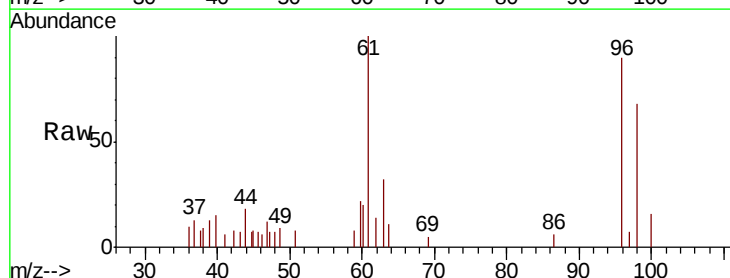
Tgt Ion: 96 Resp: 2281

Ion Ratio Lower Upper

96 100

61 114.8 0.0 260.2

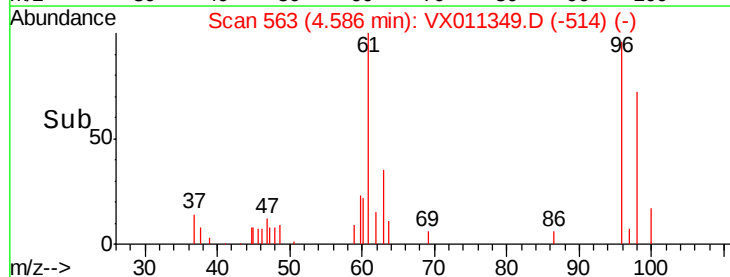
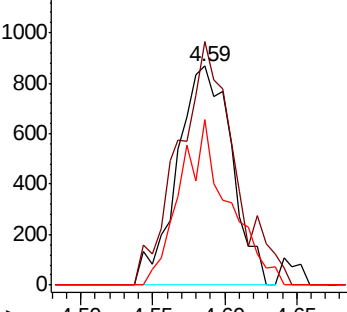
98 67.3 0.0 133.2

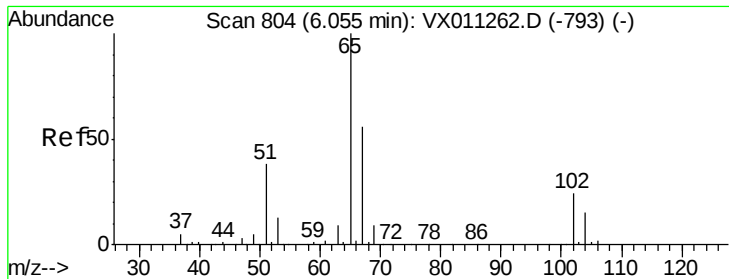


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.549 ug/l

RT: 6.05 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX011349.D

Acq: 06 Aug 2019 14:23

Instrument :

MSVOA_X

ClientSampled :

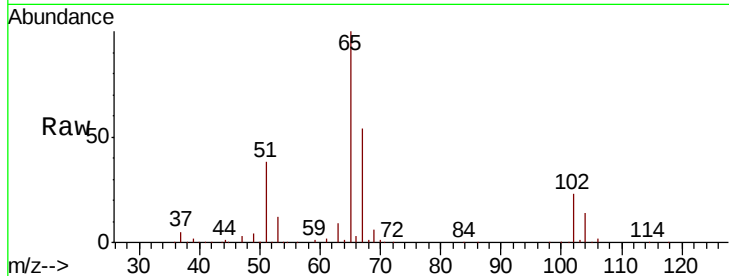
Z3-0690

Tgt Ion: 65 Resp: 84150

Ion Ratio Lower Upper

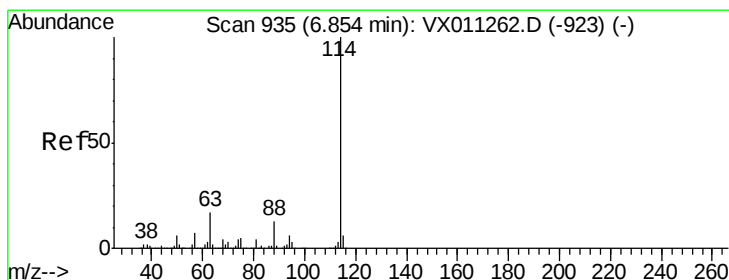
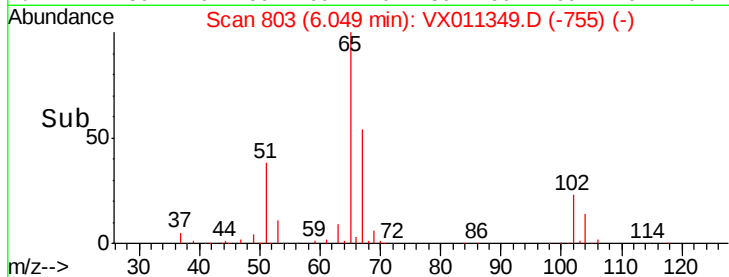
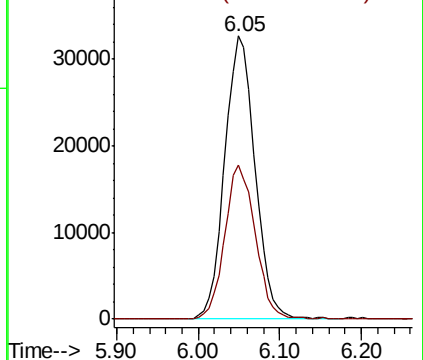
65 100

67 54.7 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# 934

Delta R.T. -0.01 min

Lab File: VX011349.D

Acq: 06 Aug 2019 14:23

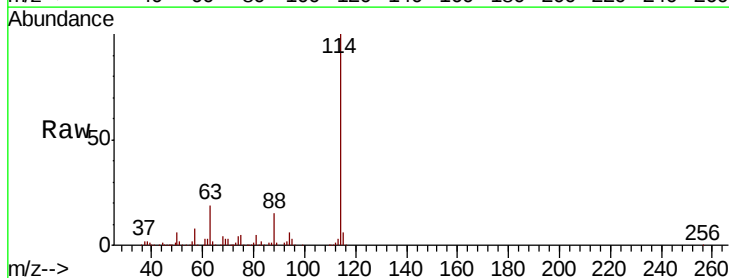
Tgt Ion: 114 Resp: 251572

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.0

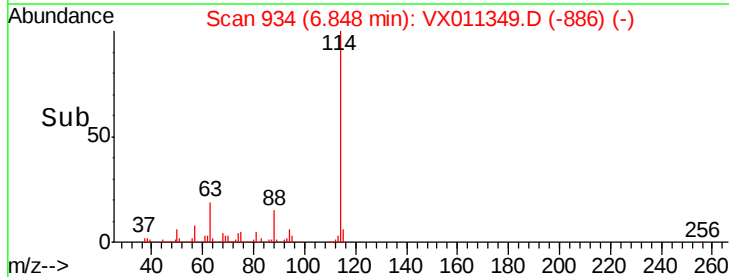
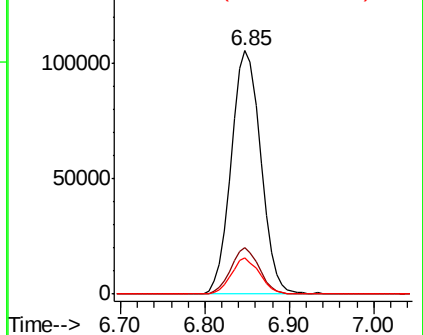
88 14.7 0.0 26.4

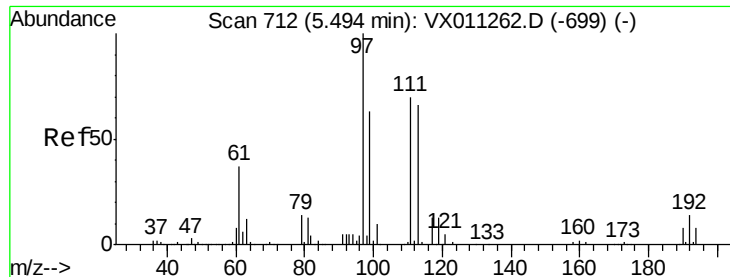


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

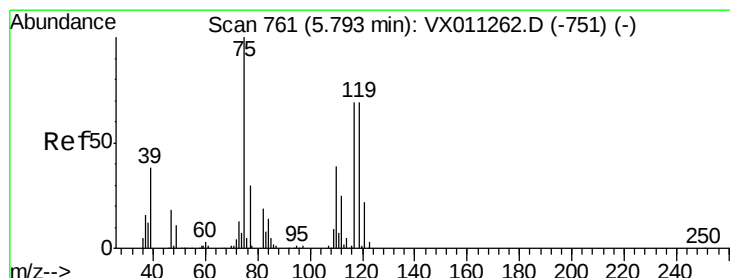
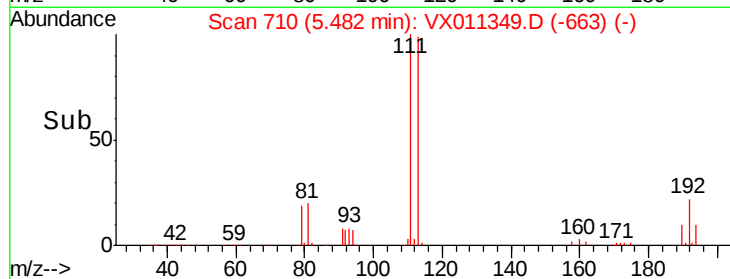
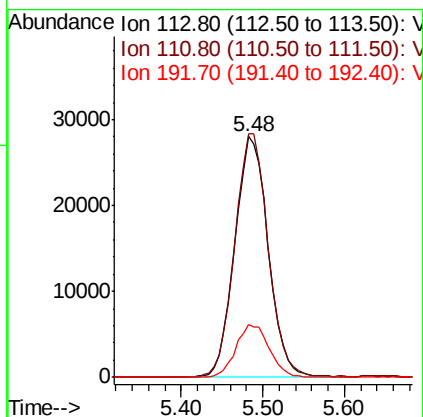
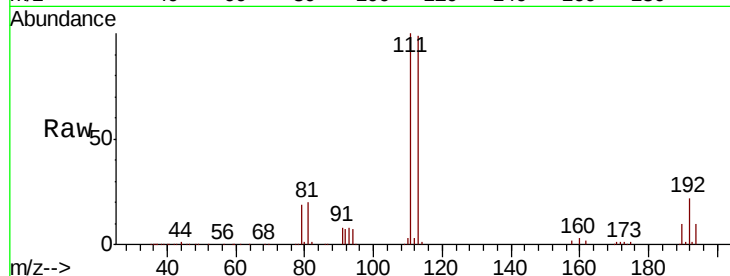




#35
 Dibromofluoromethane
 Concen: 48.385 ug/l
 RT: 5.48 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VX011349.D
 Acq: 06 Aug 2019 14:23

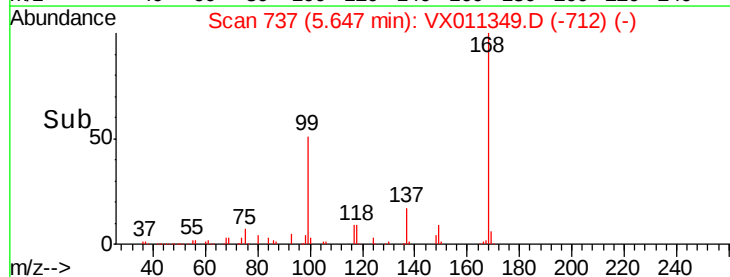
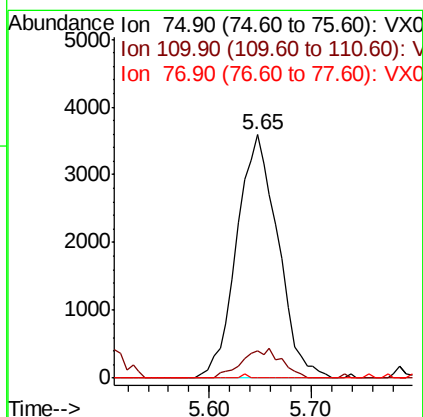
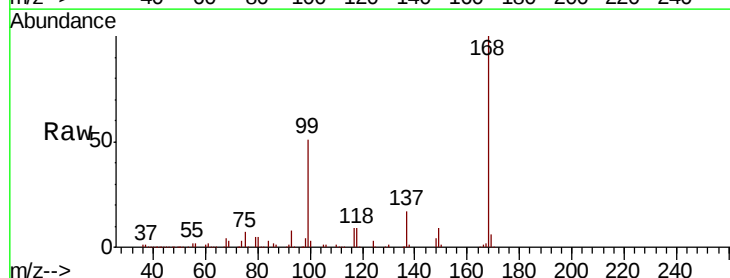
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0690

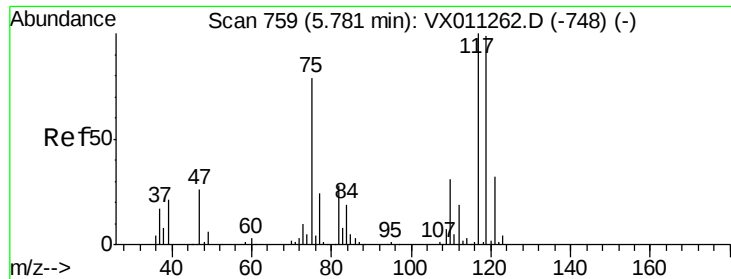
Tgt Ion: 113 Resp: 79470
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.9 122.9
 192 22.0 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.579 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX011349.D
 Acq: 06 Aug 2019 14:23

Tgt Ion: 75 Resp: 10058
 Ion Ratio Lower Upper
 75 100
 110 11.6 20.0 59.9#
 77 0.0 24.8 37.2#

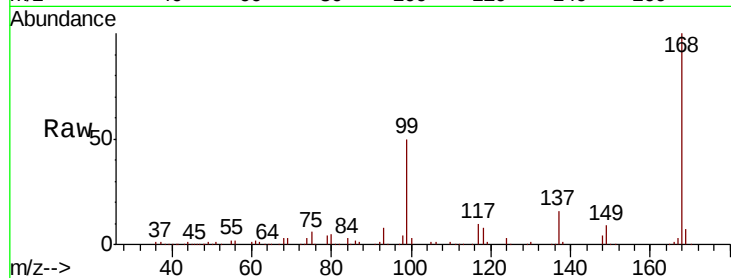




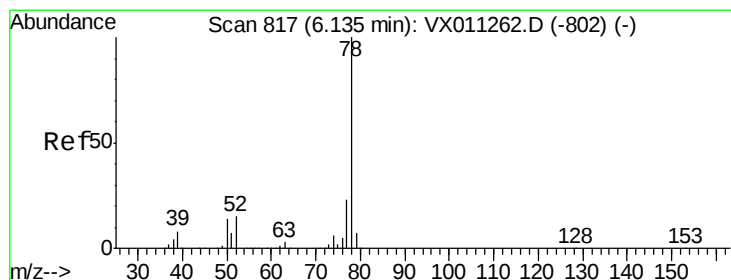
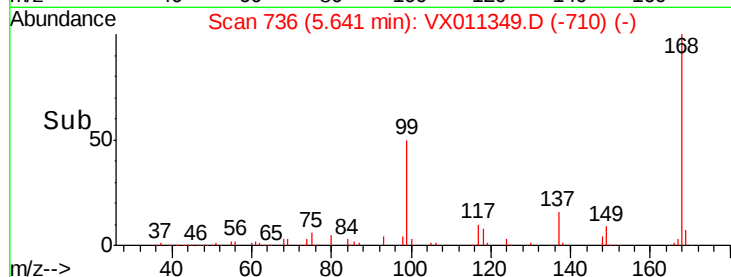
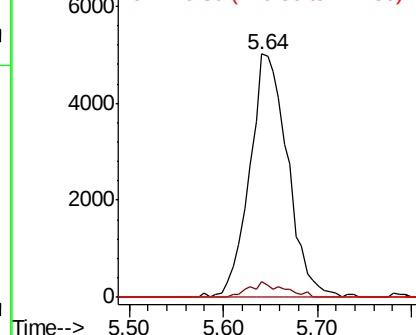
#38
Carbon Tetrachloride
Concen: 6.417 ug/l
RT: 5.64 min Scan# 736
Delta R.T. -0.14 min
Lab File: VX011349.D
Acq: 06 Aug 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
Z3-0690

Tgt Ion:117 Resp: 14180
Ion Ratio Lower Upper
117 100
119 6.7 79.0 118.4#
121 0.0 25.9 38.9#

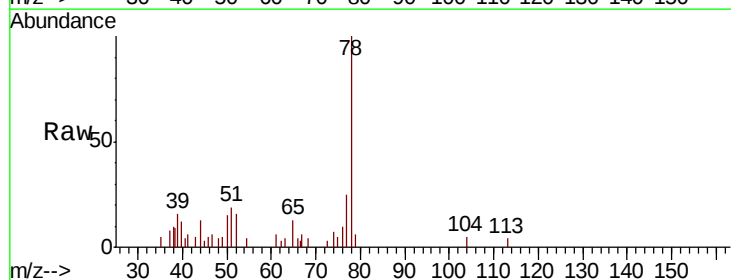


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

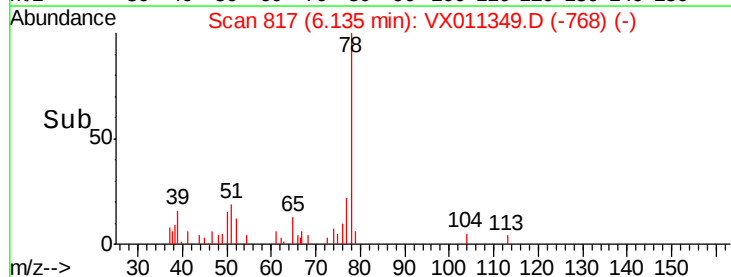
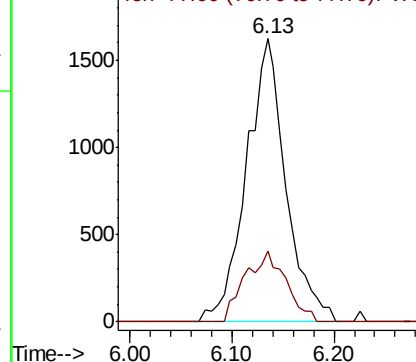


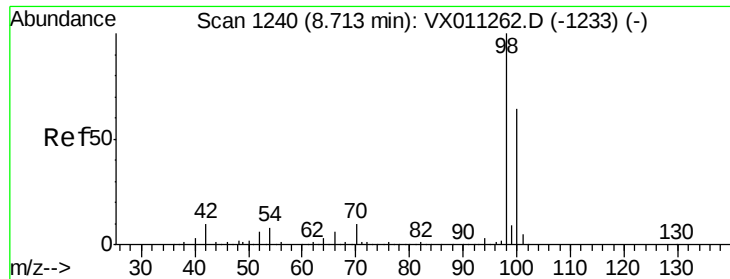
#40
Benzene
Concen: 0.669 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011349.D
Acq: 06 Aug 2019 14:23

Tgt Ion: 78 Resp: 4384
Ion Ratio Lower Upper
78 100
77 25.3 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 48.976 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VX011349.D

Acq: 06 Aug 2019 14:23

Instrument :

MSVOA_X

ClientSampled :

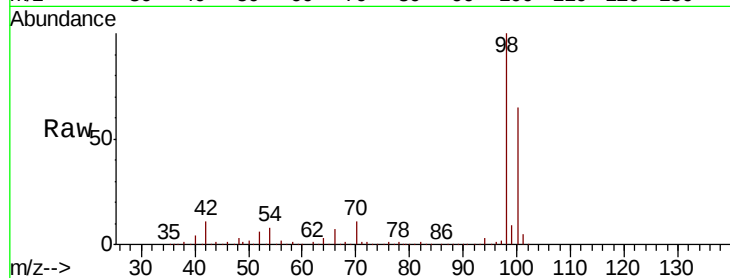
Z3-0690

Tgt Ion: 98 Resp: 303641

Ion Ratio Lower Upper

98 100

100 63.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

200000

150000

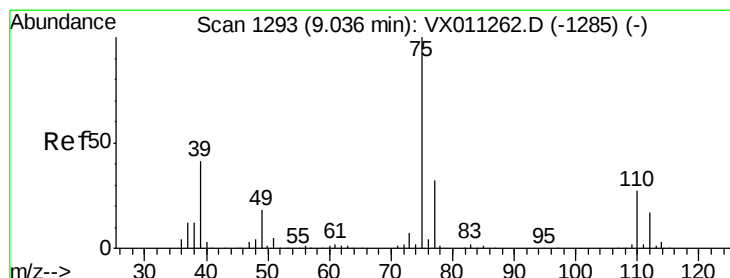
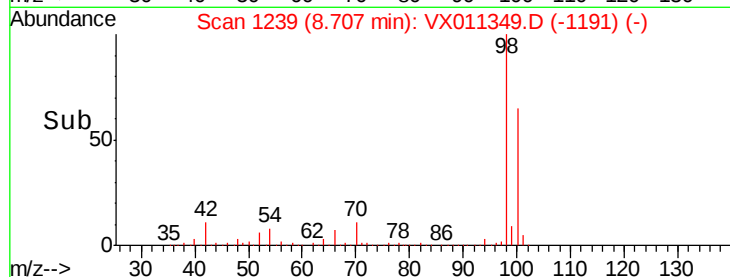
100000

50000

0

Time-->

8.60 8.65 8.70 8.75 8.80



#53

t-1,3-Dichloropropene

Concen: 2.856 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX011349.D

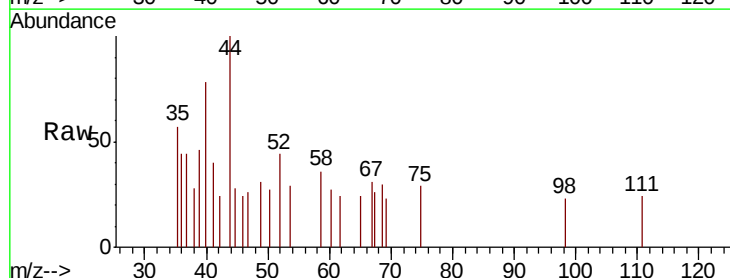
Acq: 06 Aug 2019 14:23

Tgt Ion: 75 Resp: 45

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

60

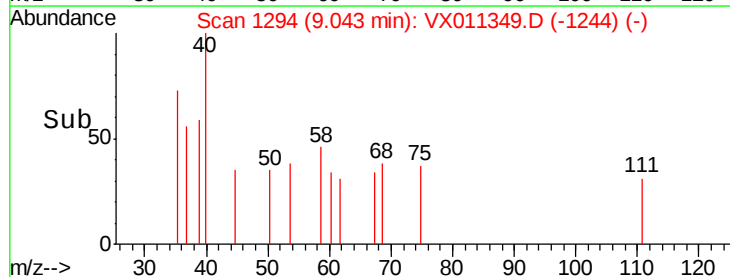
40

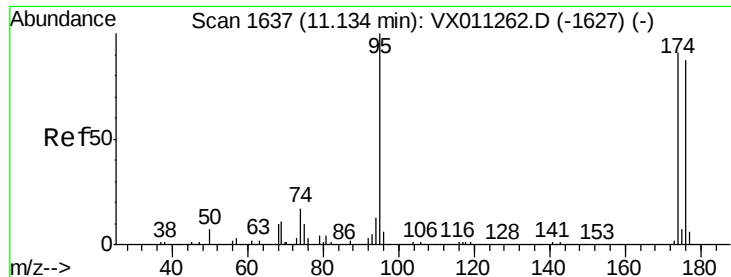
20

0

Time-->

9.02 9.04 9.06

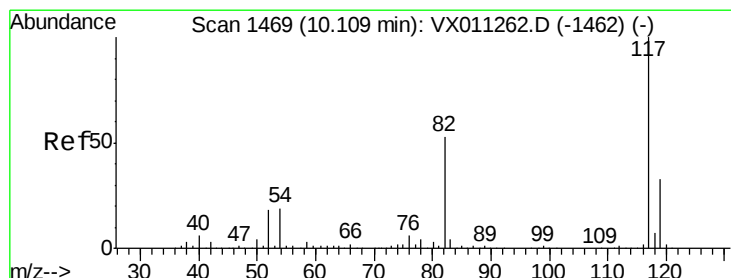
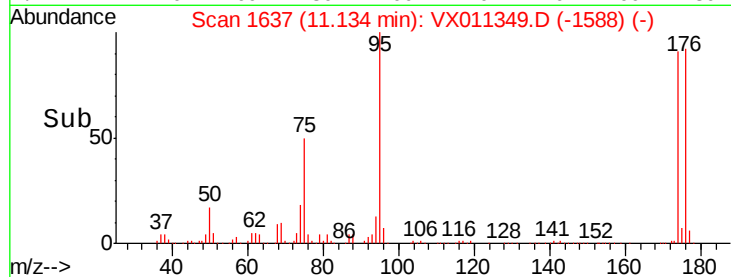
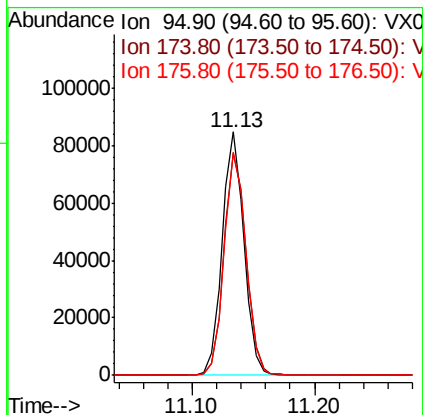
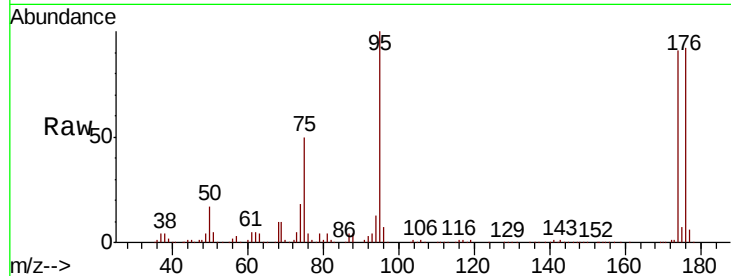




#62
4-Bromofluorobenzene
Concen: 47.443 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011349.D
Acq: 06 Aug 2019 14:23

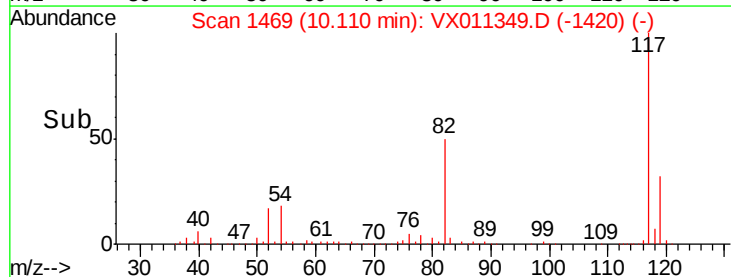
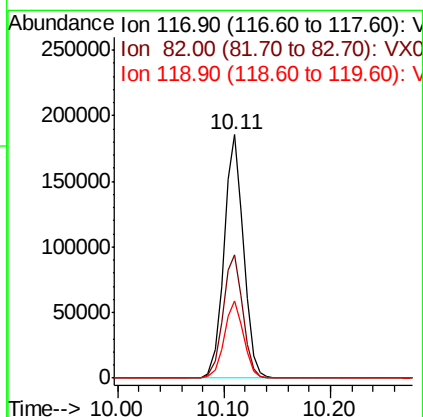
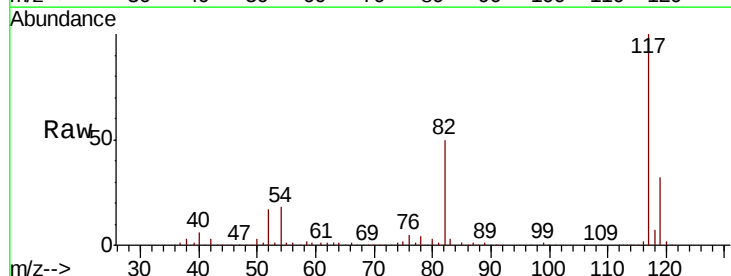
Instrument :
MSVOA_X
ClientSampleId :
Z3-0690

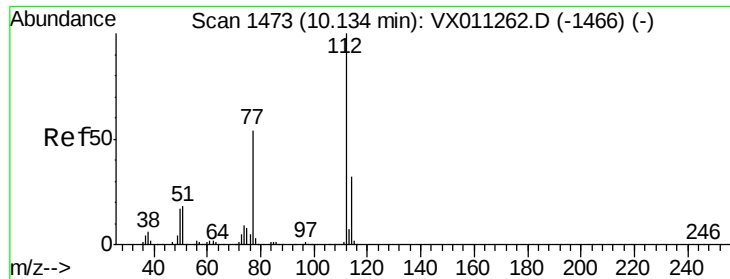
Tgt Ion: 95 Resp: 105015
Ion Ratio Lower Upper
95 100
174 92.4 0.0 191.2
176 91.6 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011349.D
Acq: 06 Aug 2019 14:23

Tgt Ion: 117 Resp: 236942
Ion Ratio Lower Upper
117 100
82 50.4 42.2 63.2
119 31.6 26.6 39.8





#65

Chlorobenzene

Concen: 5.844 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011349.D

Acq: 06 Aug 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

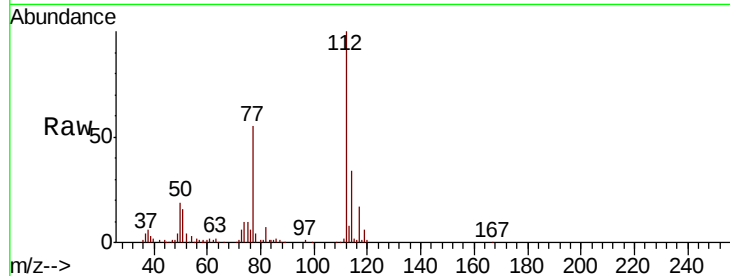
Z3-0690

Tgt Ion:112 Resp: 29691

Ion Ratio Lower Upper

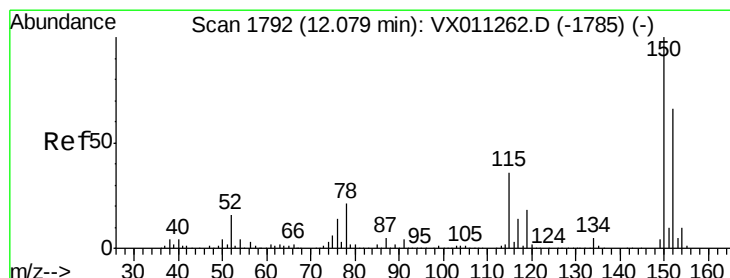
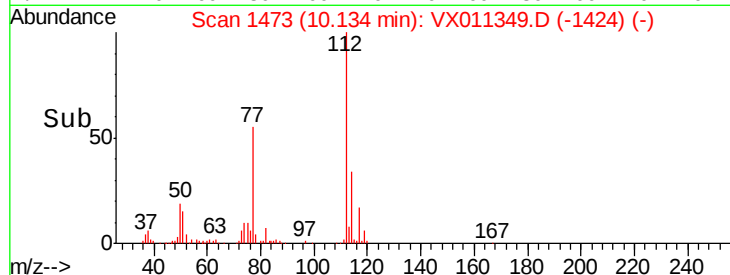
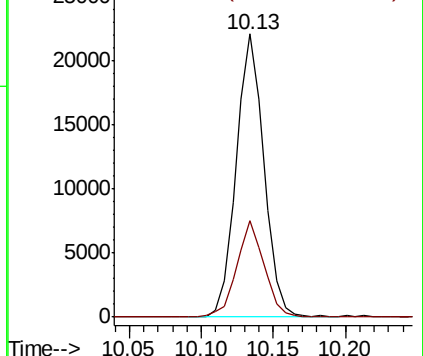
112 100

114 34.0 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: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011349.D

Acq: 06 Aug 2019 14:23

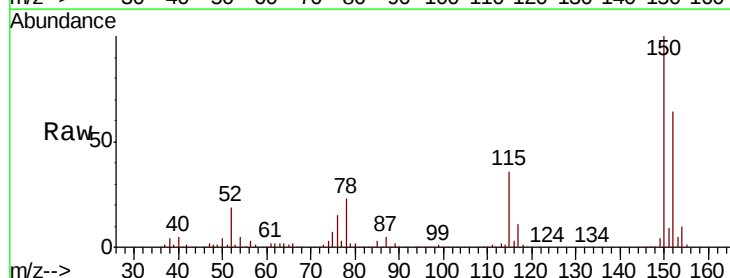
Tgt Ion:152 Resp: 111999

Ion Ratio Lower Upper

152 100

115 54.4 40.0 119.9

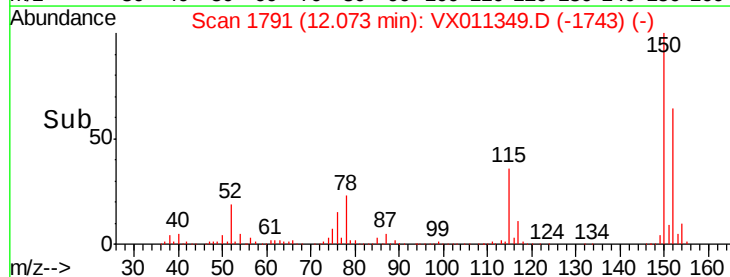
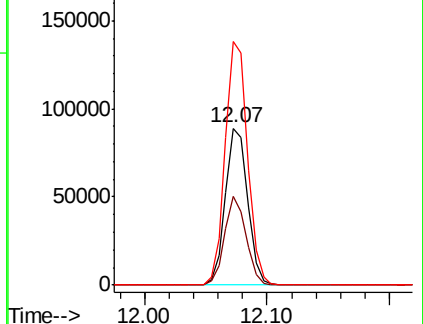
150 155.9 0.0 350.4

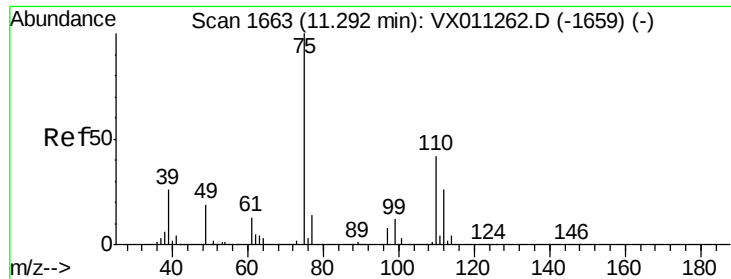


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

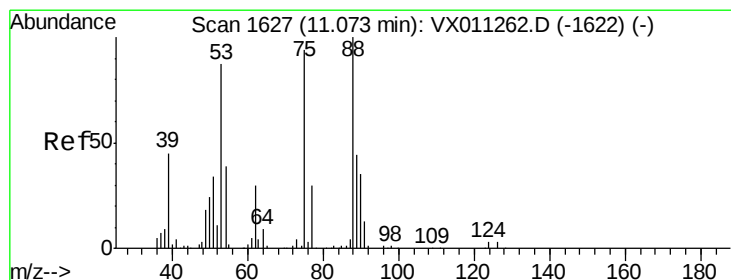
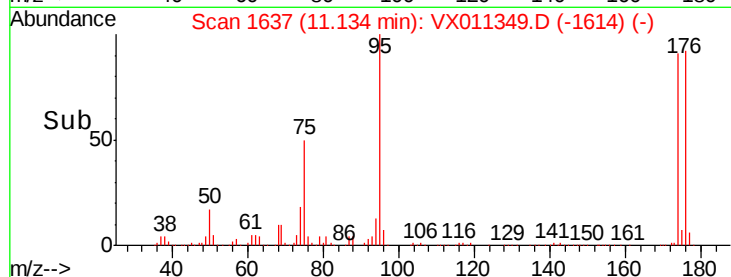
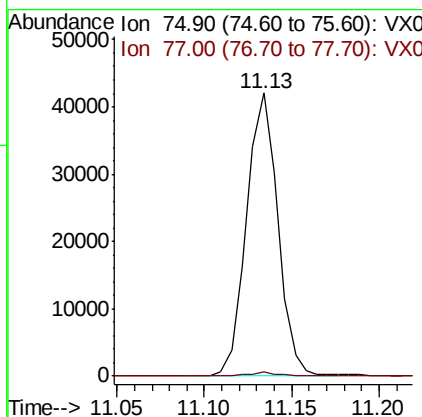
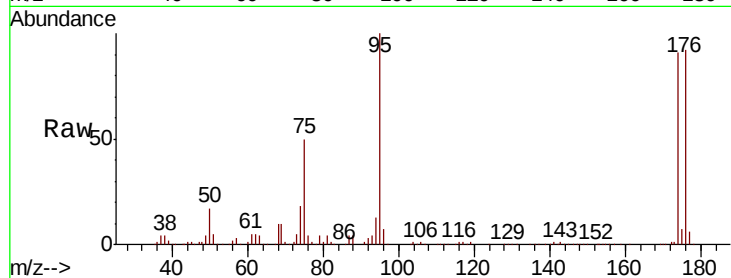




#76
 1,2,3-Trichloropropane
 Concen: 25.691 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011349.D
 Acq: 06 Aug 2019 14:23

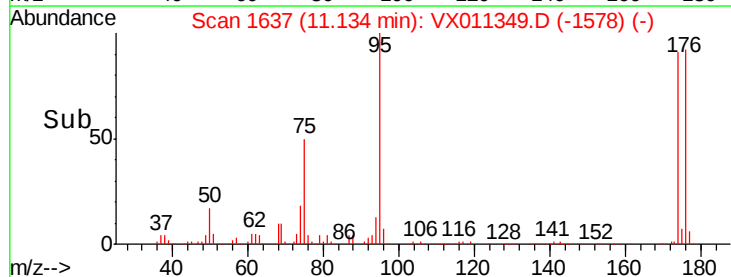
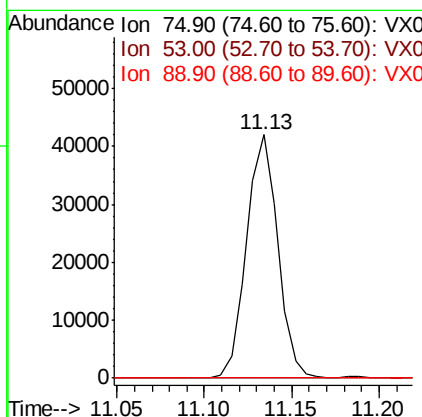
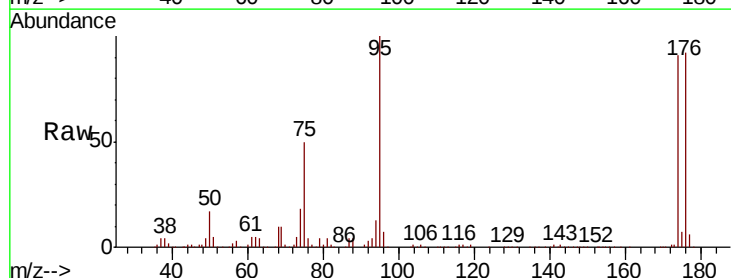
Instrument :
 MSVOA_X
 ClientSampleID :
 Z3-0690

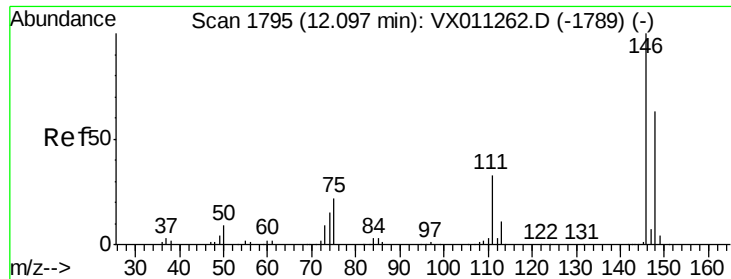
Tgt Ion: 75 Resp: 52400
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.917 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011349.D
 Acq: 06 Aug 2019 14:23

Tgt Ion: 75 Resp: 52400
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.1 37.9 56.9#





#88

1,4-Dichlorobenzene

Concen: 0.311 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX011349.D

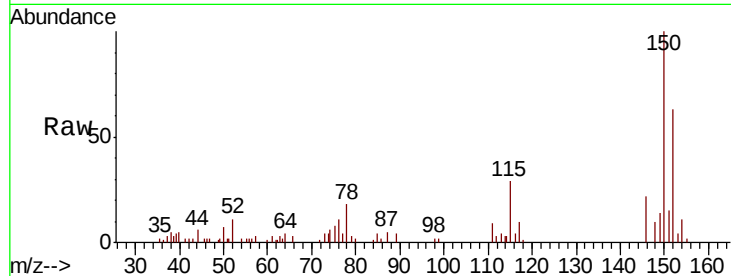
Acq: 06 Aug 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

Z3-0690



Tgt Ion:	146	Resp:	1202
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.8	53.4#
148	105.7	31.8	95.3#

