

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
 Data File : VX011597.D
 Acq On : 16 Aug 2019 22:40
 Operator : JC/SP
 Sample : VX0816WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBL02

Quant Time: Aug 19 01:14:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	459662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	636470	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	561701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	274884	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	216814	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	5.49	113	187476	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	
50) Toluene-d8	8.71	98	715153	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
62) 4-Bromofluorobenzene	11.13	95	251405	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	

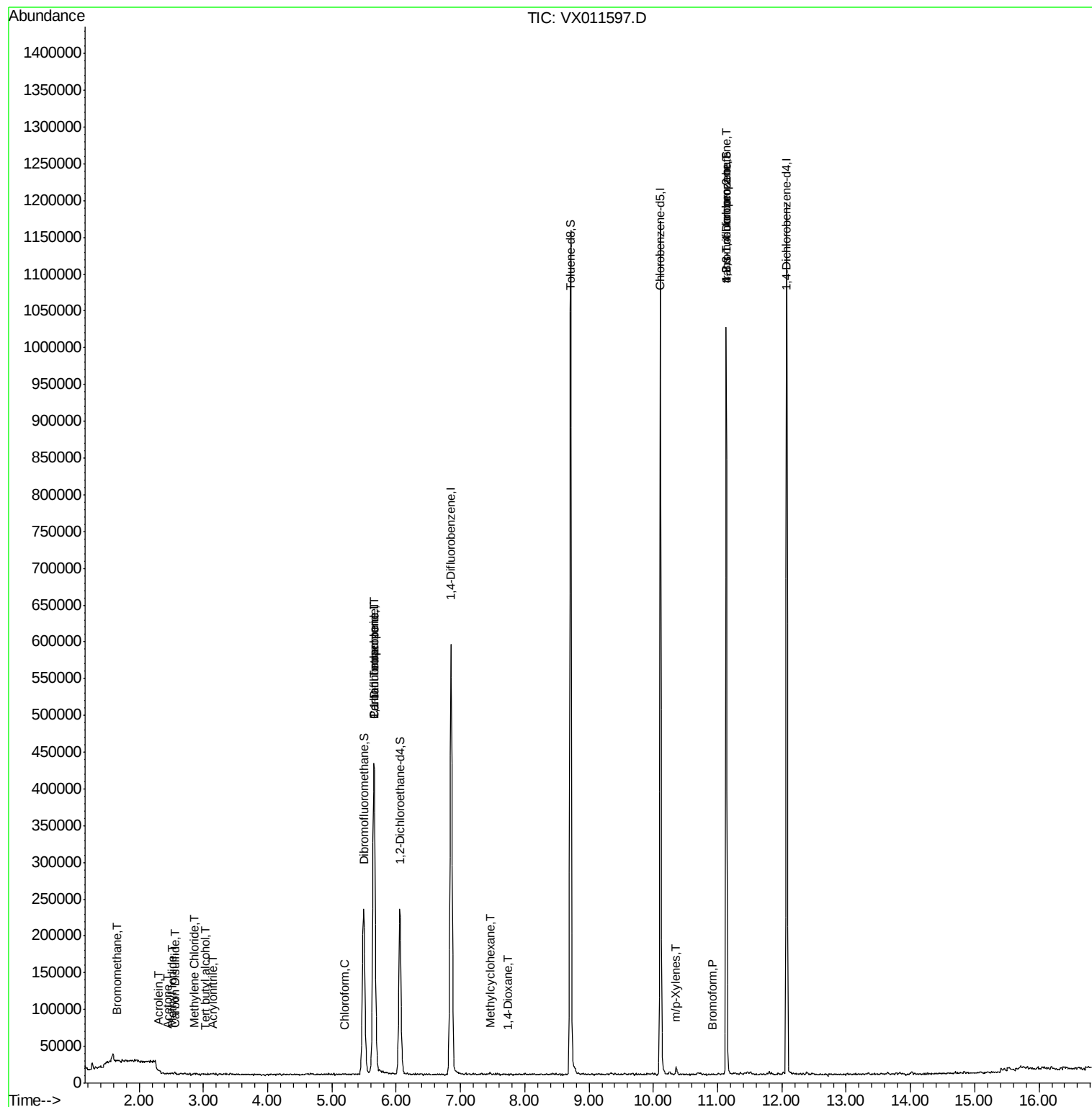
Target Compounds						Qvalue
5) Bromomethane	1.66	94	411	0.216	ug/l #	11
10) Methyl Iodide	2.51	142	2043	0.354	ug/l #	85
11) Tert butyl alcohol	3.03	59	371	0.355	ug/l #	1
13) Acrolein	2.31	56	172	12.692	ug/l #	1
15) Acrylonitrile	3.15	53	530	0.221	ug/l #	76
16) Acetone	2.43	43	474	0.221	ug/l #	4
17) Carbon Disulfide	2.56	76	2714	0.294	ug/l	99
20) Methylene Chloride	2.85	84	996	0.221	ug/l #	78
30) Chloroform	5.20	83	1615	0.208	ug/l #	30
36) 1,1-Dichloropropene	5.65	75	25947	4.768	ug/l #	50
38) Carbon Tetrachloride	5.66	117	39681	6.619	ug/l #	16
39) Methylcyclohexane	7.46	83	1367	0.203	ug/l #	91
49) 1,4-Dioxane	7.75	88	135	1.049	ug/l #	57
68) m/p-Xylenes	10.35	106	2683	0.350	ug/l	96
71) Bromoform	10.93	173	141	3.322	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	116350	22.322	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	116350	59.529	ug/l #	11

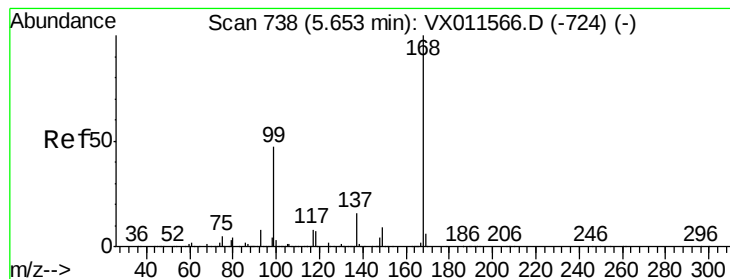
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
Data File : VX011597.D
Acq On : 16 Aug 2019 22:40
Operator : JC/SP
Sample : VX0816WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL02

Quant Time: Aug 19 01:14:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011597.D

Acq: 16 Aug 2019 22:40

Instrument :

MSVOA_X

ClientSampleId :

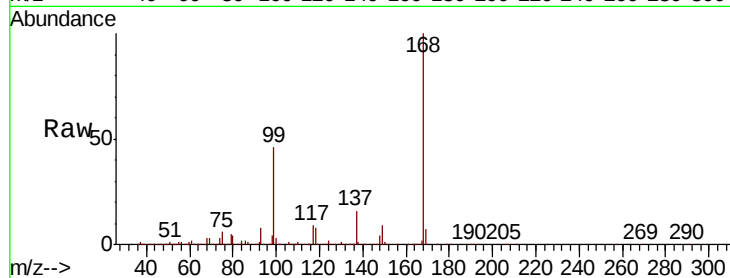
VX0816WBL02

Tgt Ion:168 Resp: 459662

Ion Ratio Lower Upper

168 100

99 45.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

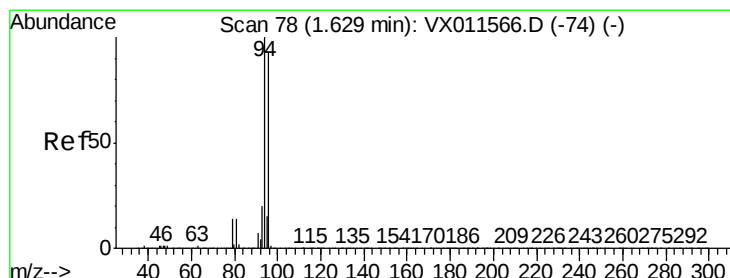
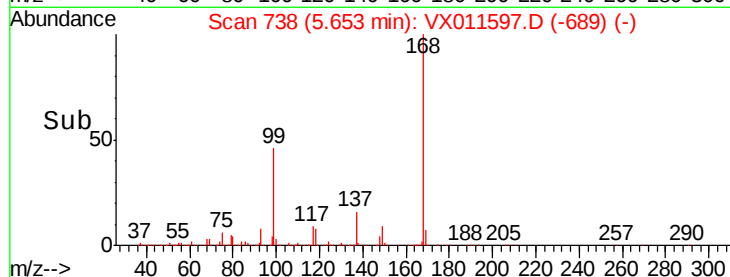
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.216 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.03 min

Lab File: VX011597.D

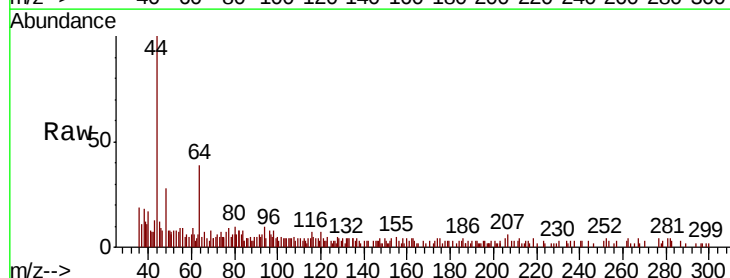
Acq: 16 Aug 2019 22:40

Tgt Ion: 94 Resp: 411

Ion Ratio Lower Upper

94 100

96 7.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

600

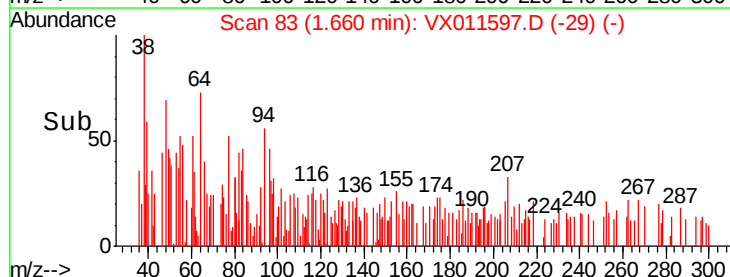
400

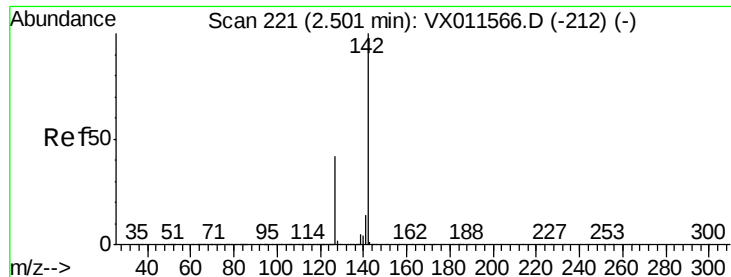
200

0

Time-->

1.62 1.64 1.66 1.68

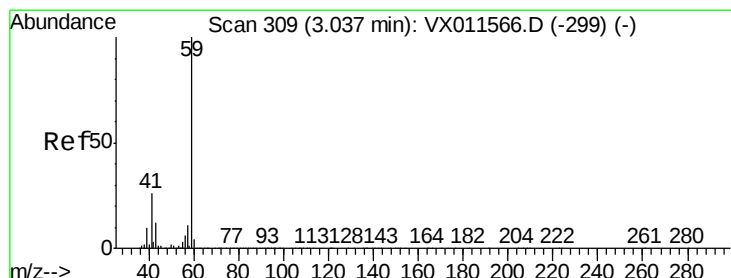
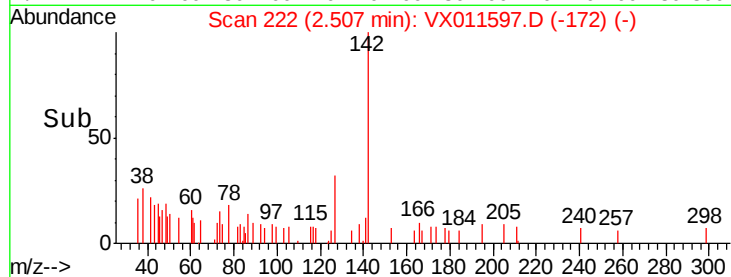
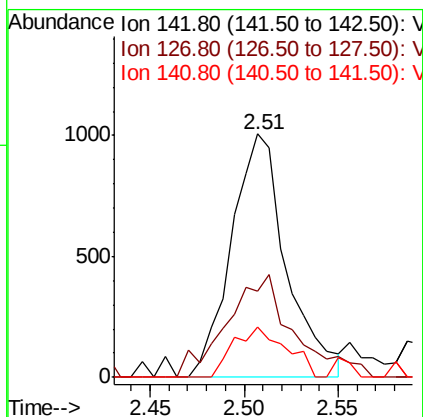
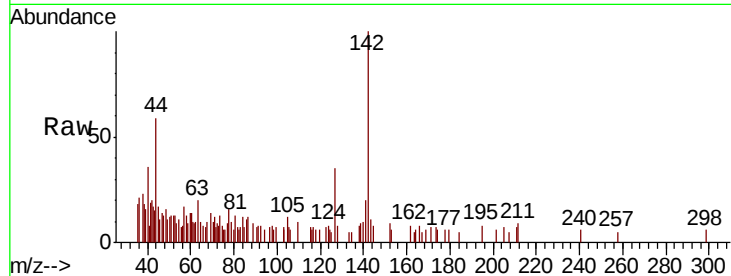




#10
Methyl Iodide
Concen: 0.354 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.01 min
Lab File: VX011597.D
Acq: 16 Aug 2019 22:40

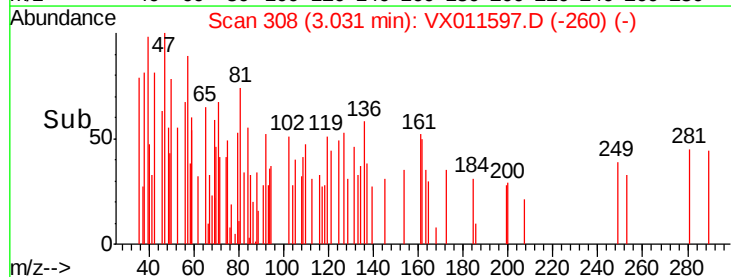
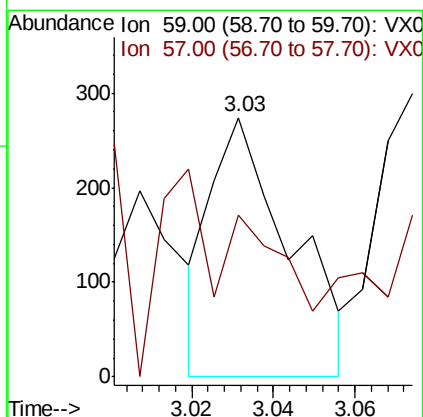
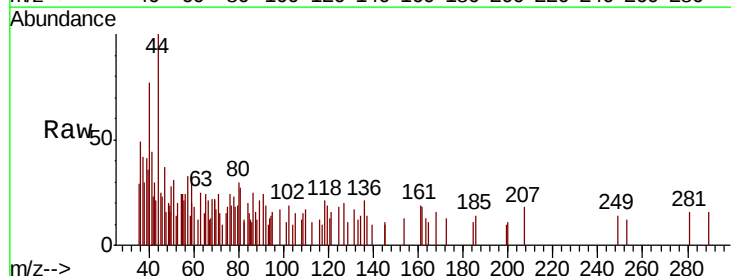
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL02

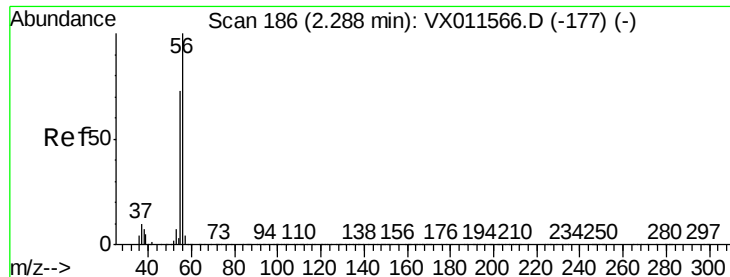
Tgt Ion:142 Resp: 2043
Ion Ratio Lower Upper
142 100
127 51.2 32.8 49.2#
141 19.6 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.355 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011597.D
Acq: 16 Aug 2019 22:40

Tgt Ion: 59 Resp: 371
Ion Ratio Lower Upper
59 100
57 48.5 8.7 13.1#





#13

Acrolein

Concen: 12.692 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX011597.D

Acq: 16 Aug 2019 22:40

Instrument :

MSVOA_X

ClientSampleId :

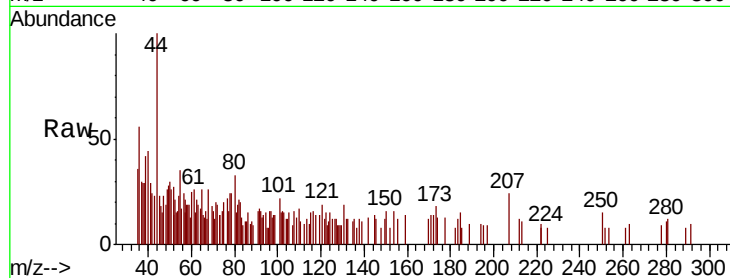
VX0816WBL02

Tgt Ion: 56 Resp: 172

Ion Ratio Lower Upper

56 100

55 172.7 55.5 83.3#

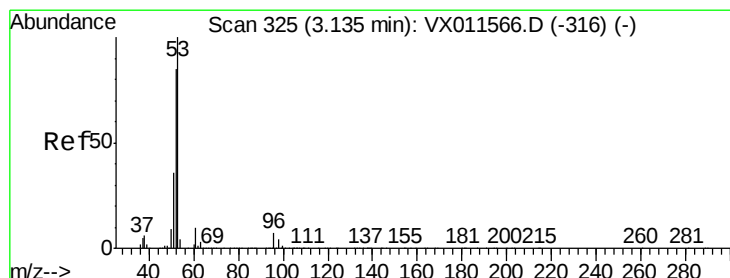
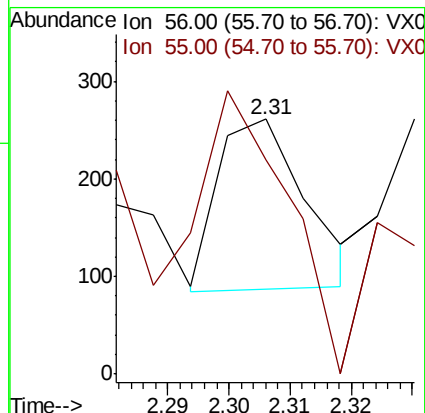
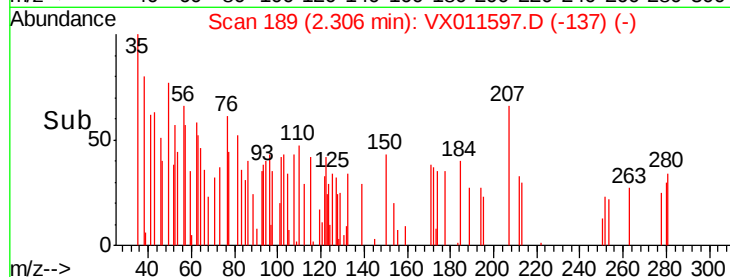


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.31

2.32



#15

Acrylonitrile

Concen: 0.221 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.02 min

Lab File: VX011597.D

Acq: 16 Aug 2019 22:40

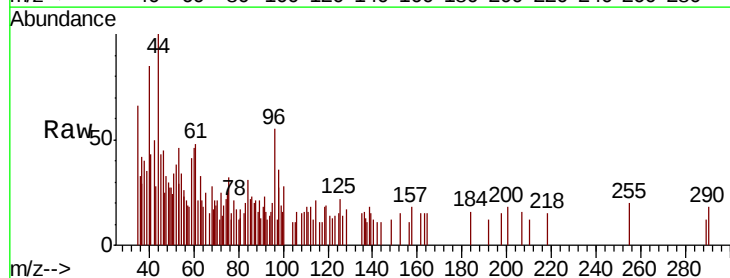
Tgt Ion: 53 Resp: 530

Ion Ratio Lower Upper

53 100

52 90.6 66.7 100.1

51 0.0 28.7 43.1#



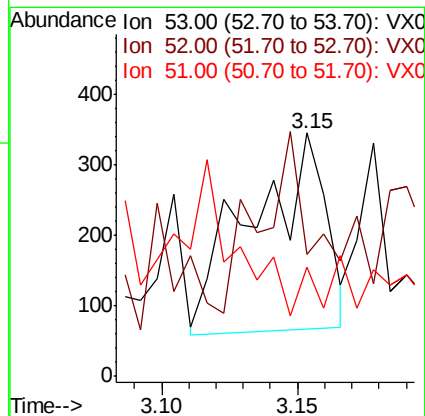
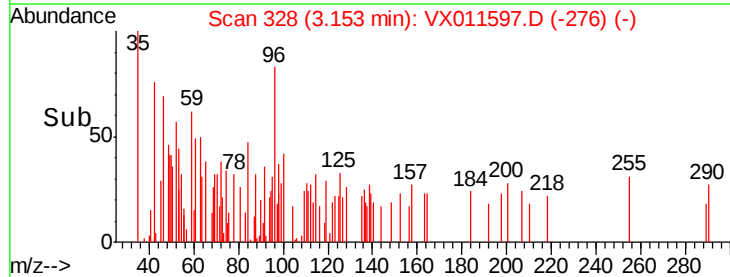
Abundance Ion 53.00 (52.70 to 53.70): VX0

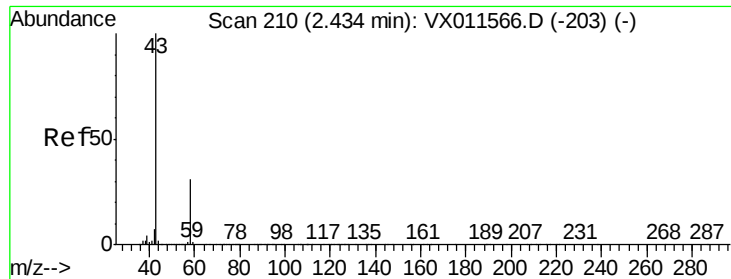
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.15

3.10





#16

Acetone

Concen: 0.221 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011597.D

Acq: 16 Aug 2019 22:40

Instrument :

MSVOA_X

ClientSampled :

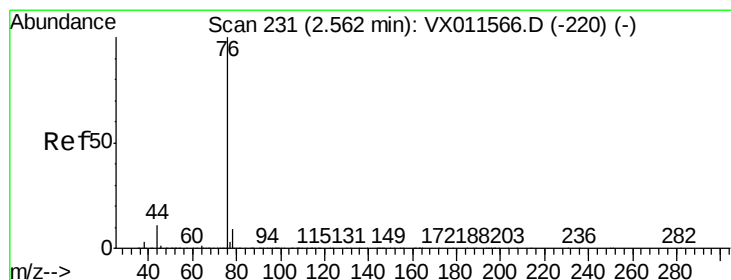
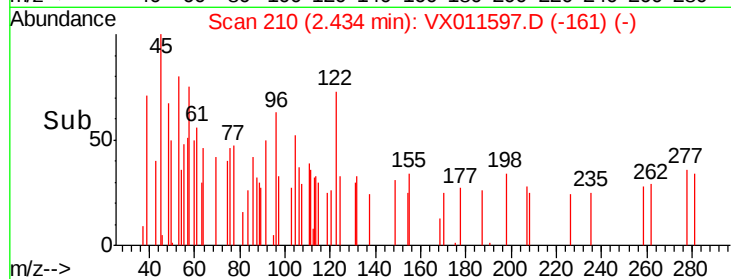
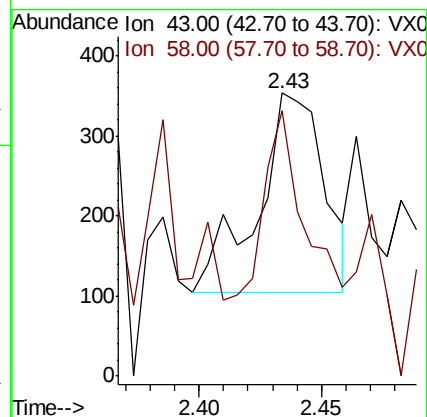
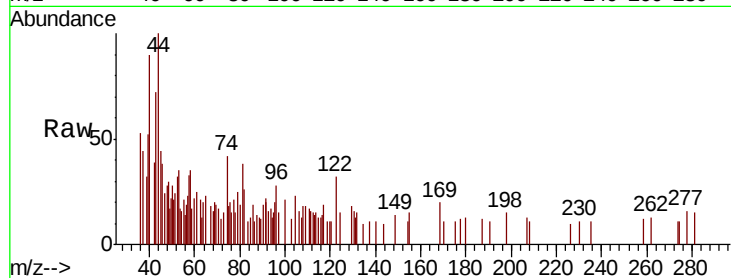
VX0816WBL02

Tgt Ion: 43 Resp: 474

Ion Ratio Lower Upper

43 100

58 84.7 25.2 37.8#



#17

Carbon Disulfide

Concen: 0.294 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011597.D

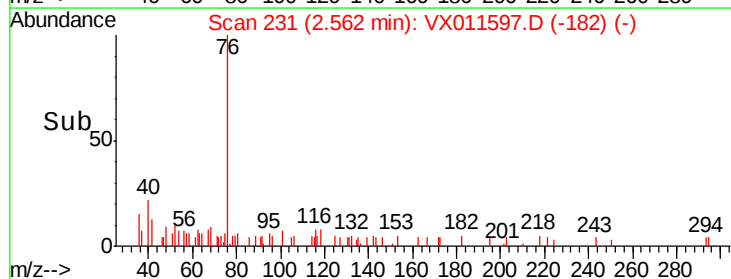
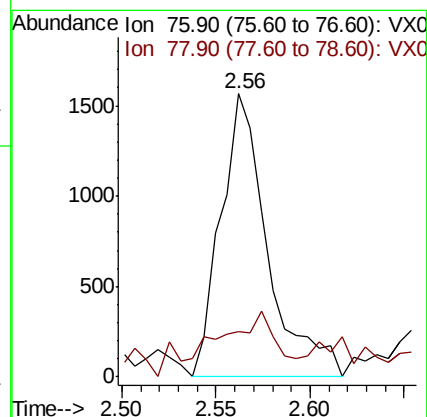
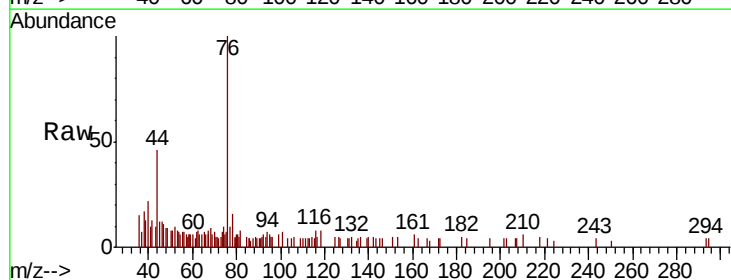
Acq: 16 Aug 2019 22:40

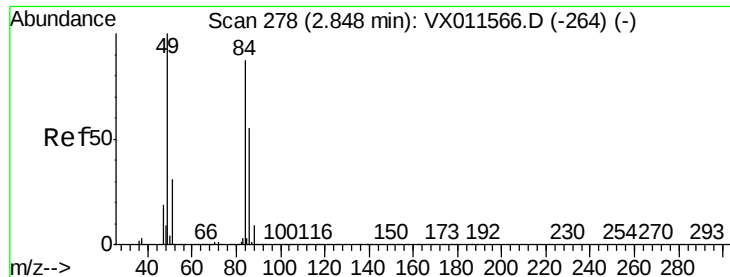
Tgt Ion: 76 Resp: 2714

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8

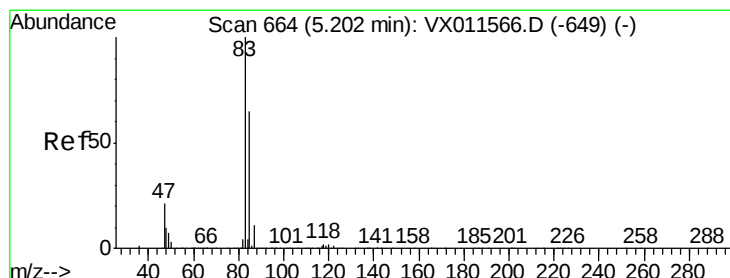
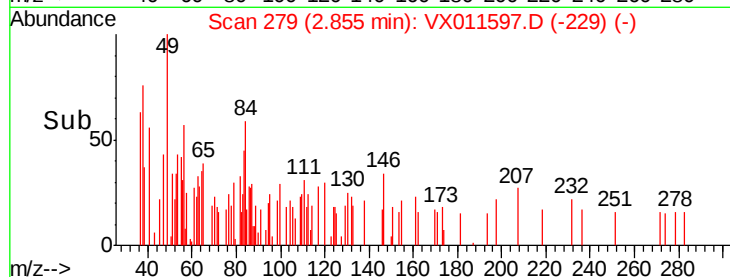
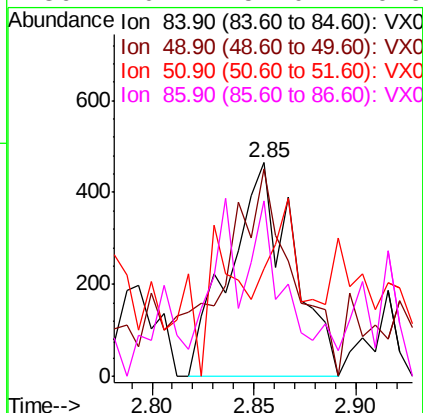
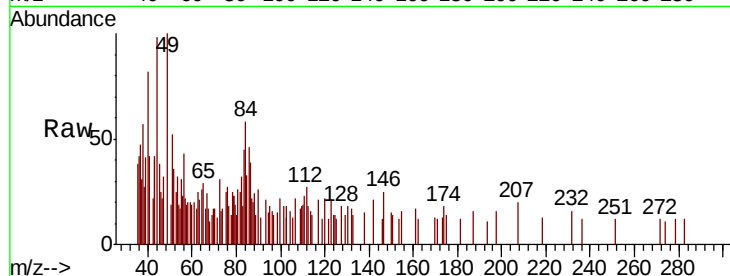




#20
Methylene Chloride
Concen: 0.221 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011597.D
Acq: 16 Aug 2019 22:40

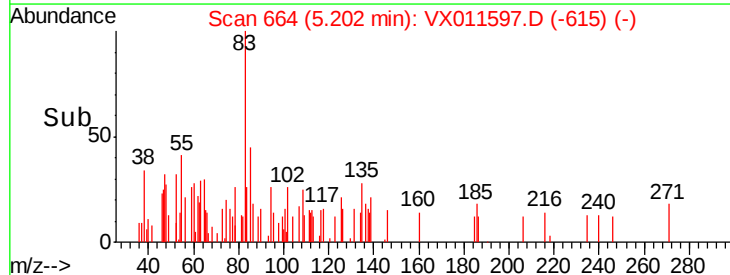
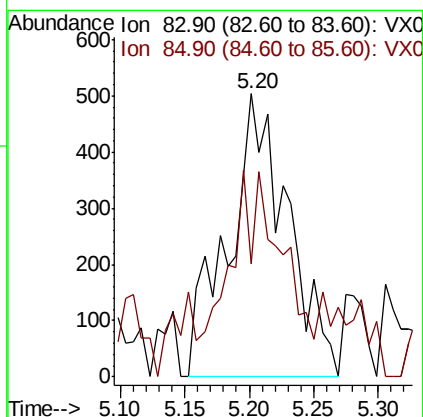
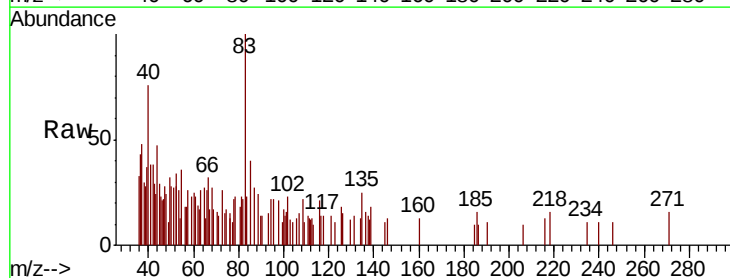
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL02

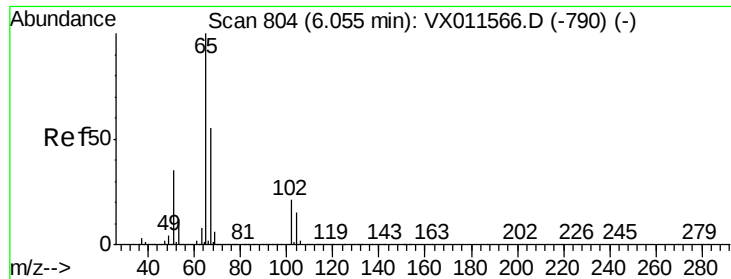
Tgt Ion:	84	Resp:	996
Ion	Ratio	Lower	Upper
84	100		
49	97.0	92.4	138.6
51	0.0	28.5	42.7#
86	70.1	51.0	76.6



#30
Chloroform
Concen: 0.208 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011597.D
Acq: 16 Aug 2019 22:40

Tgt Ion:	83	Resp:	1615
Ion	Ratio	Lower	Upper
83	100		
85	9.9	51.9	77.9#





#33

1,2-Dichloroethane-d4

Concen: 50.863 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011597.D

Acq: 16 Aug 2019 22:40

Instrument :

MSVOA_X

ClientSampleId :

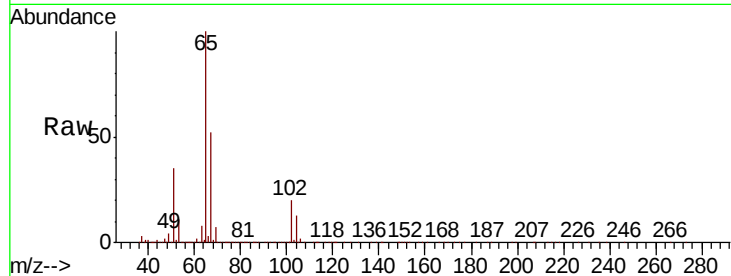
VX0816WBL02

Tgt Ion: 65 Resp: 216814

Ion Ratio Lower Upper

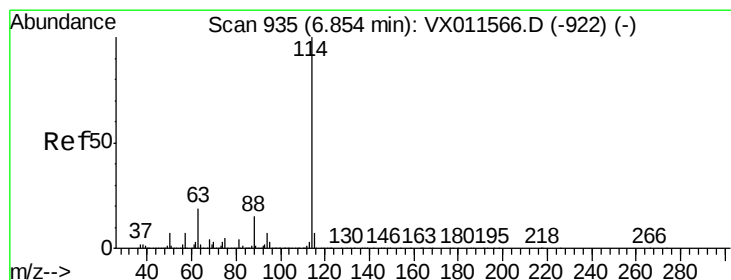
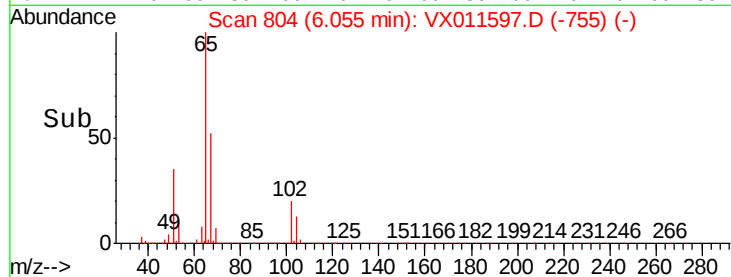
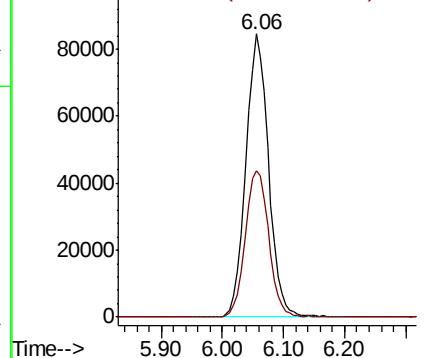
65 100

67 53.1 0.0 107.6



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: VX011597.D

Acq: 16 Aug 2019 22:40

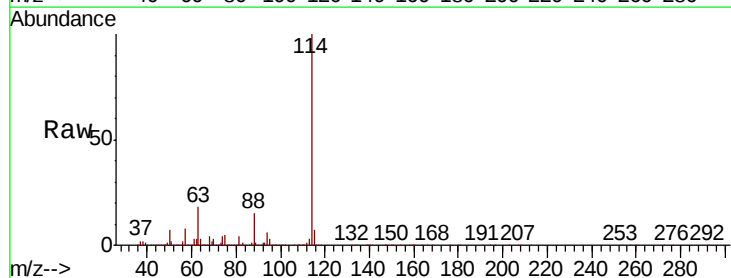
Tgt Ion: 114 Resp: 636470

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.8

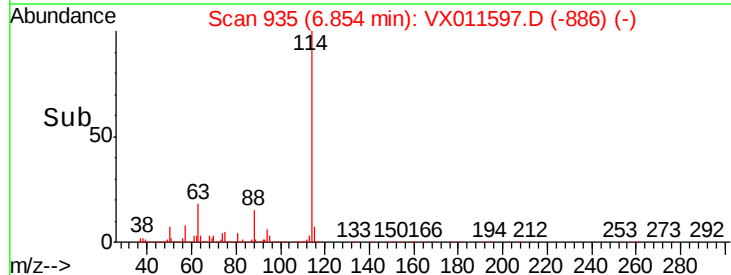
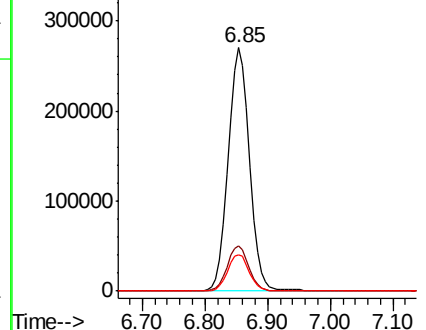
88 14.6 0.0 30.2

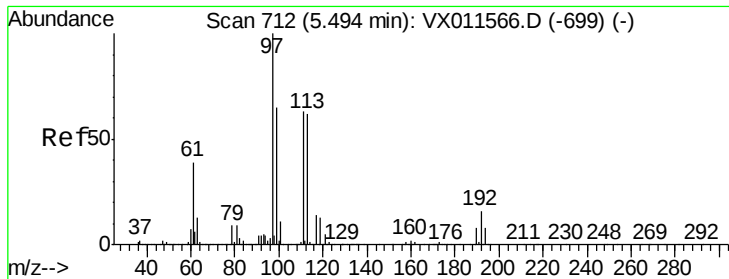


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.035 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011597.D

Acq: 16 Aug 2019 22:40

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBL02

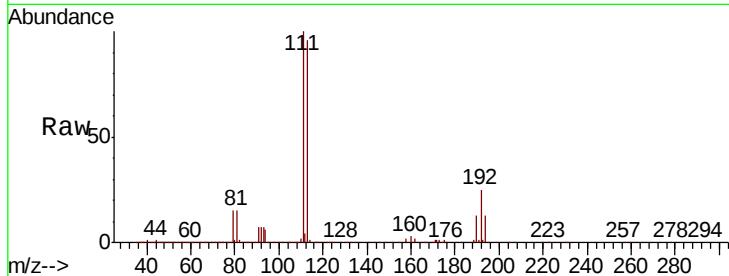
Tgt Ion:113 Resp: 187476

Ion Ratio Lower Upper

113 100

111 103.3 81.1 121.7

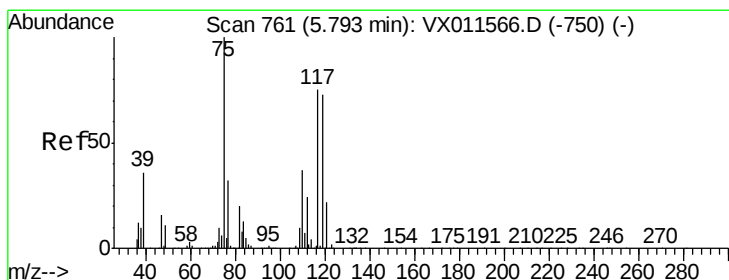
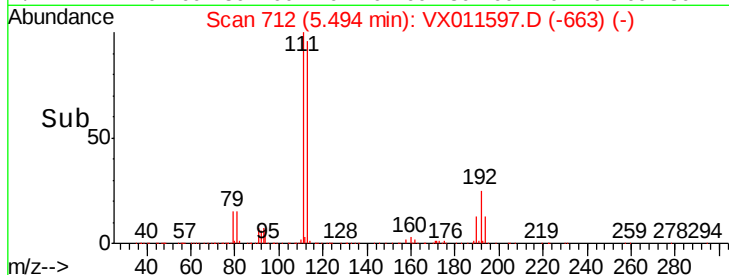
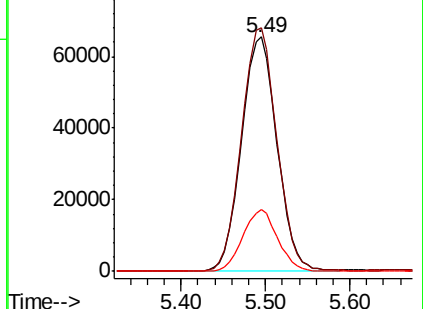
192 25.7 20.8 31.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.768 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011597.D

Acq: 16 Aug 2019 22:40

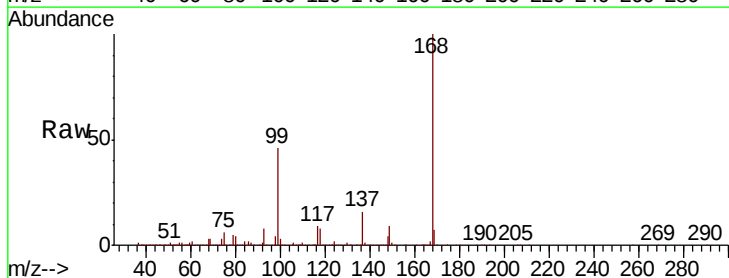
Tgt Ion: 75 Resp: 25947

Ion Ratio Lower Upper

75 100

110 11.6 19.4 58.1#

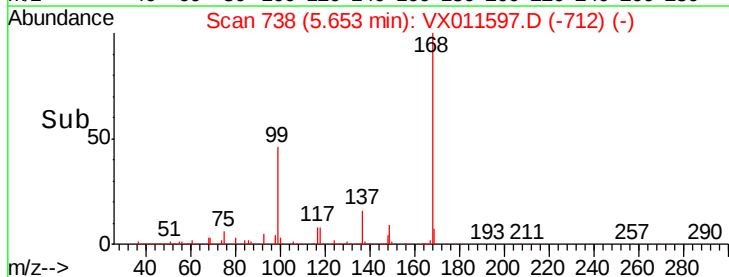
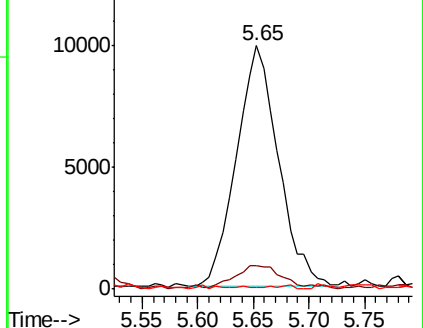
77 0.5 25.1 37.7#

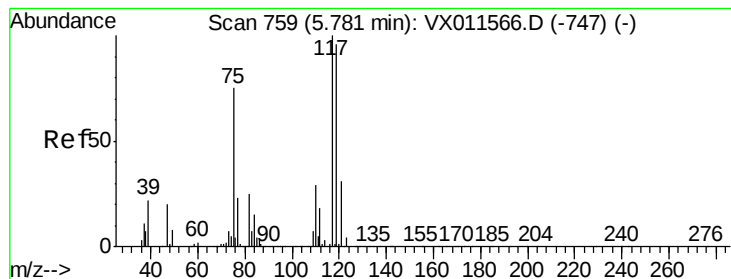


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.619 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011597.D

Acq: 16 Aug 2019 22:40

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBL02

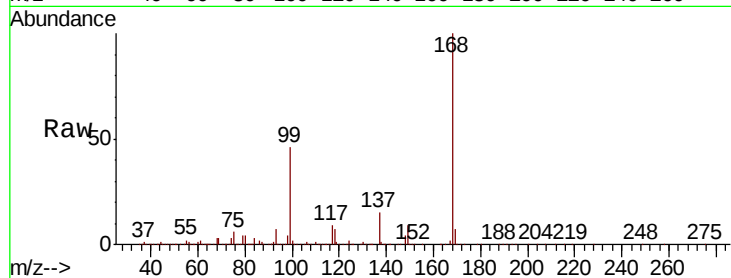
Tgt Ion:117 Resp: 39681

Ion Ratio Lower Upper

117 100

119 5.8 76.9 115.3#

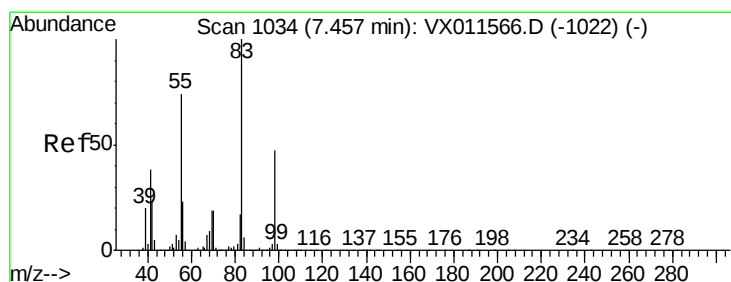
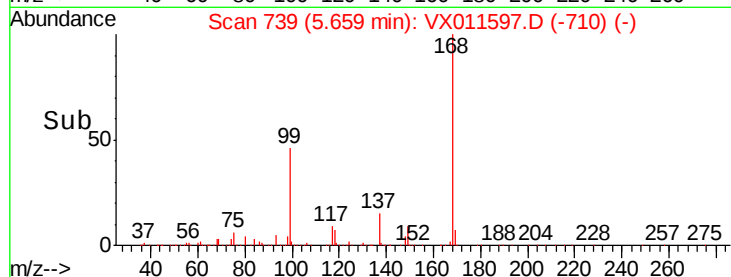
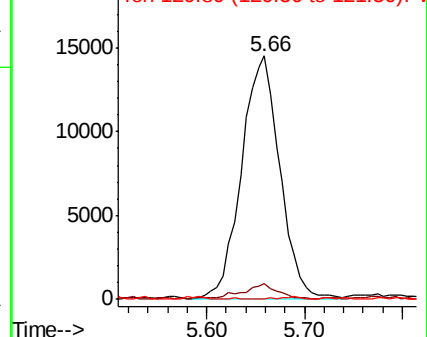
121 0.0 24.8 37.2#



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



#39

Methylcyclohexane

Concen: 0.203 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX011597.D

Acq: 16 Aug 2019 22:40

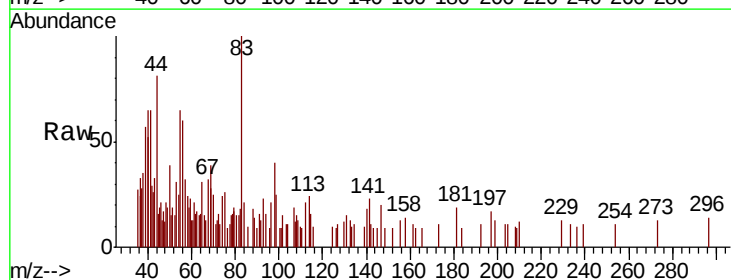
Tgt Ion: 83 Resp: 1367

Ion Ratio Lower Upper

83 100

55 74.5 58.8 88.2

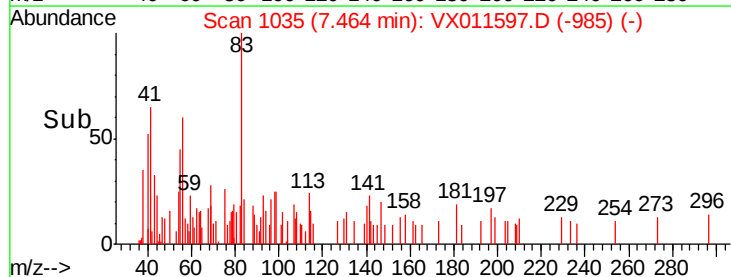
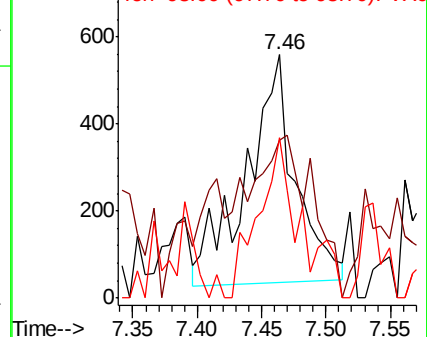
98 61.1 37.8 56.6#

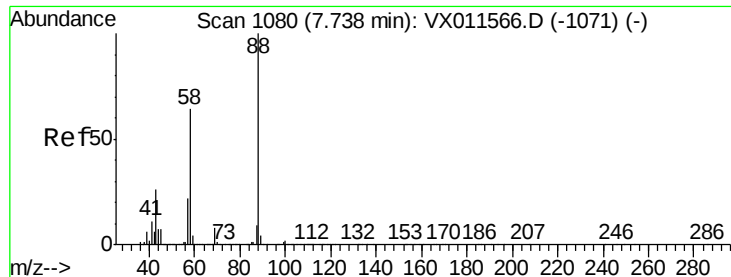


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

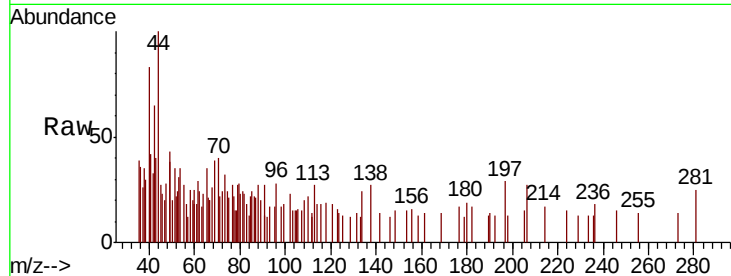




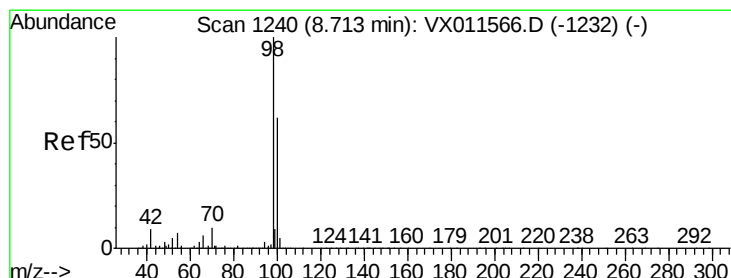
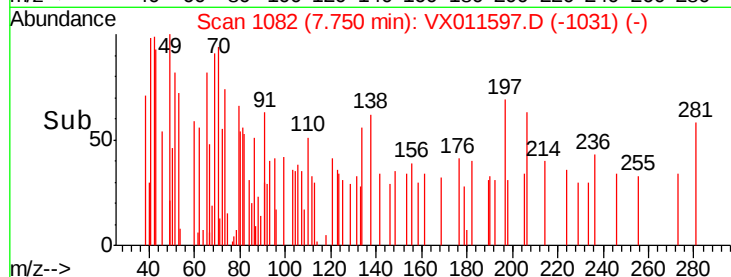
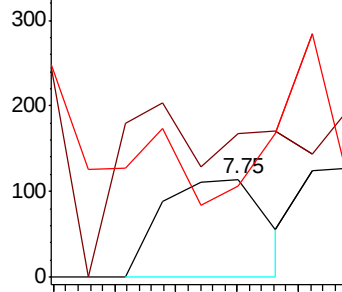
#49
1,4-Dioxane
Concen: 1.049 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX011597.D
Acq: 16 Aug 2019 22:40

Instrument :
MSVOA_X
ClientSampled :
VX0816WBL02

Tgt Ion: 88 Resp: 135
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.0#
58 98.5 54.3 81.5#

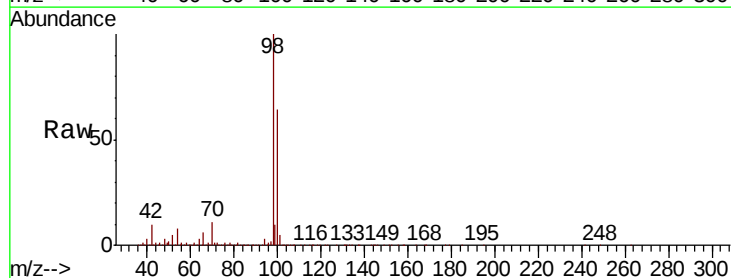


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

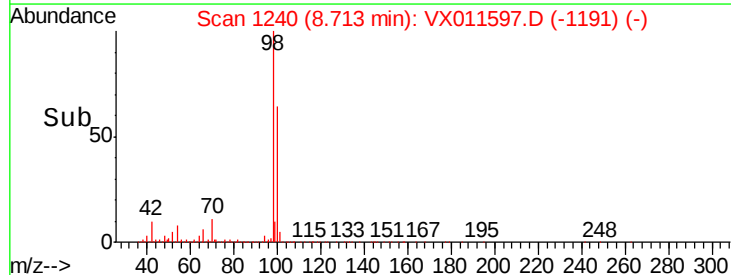
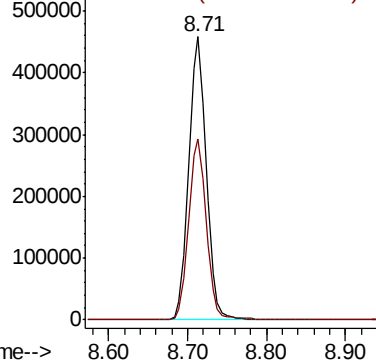


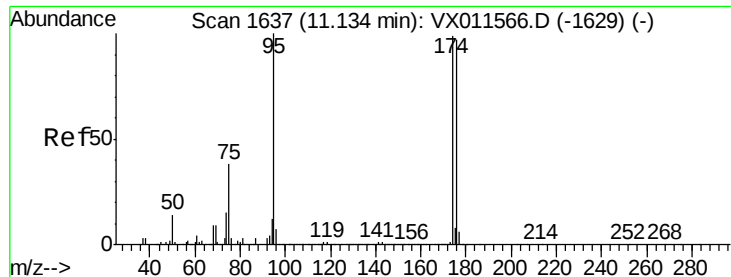
#50
Toluene-d8
Concen: 55.134 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011597.D
Acq: 16 Aug 2019 22:40

Tgt Ion: 98 Resp: 715153
Ion Ratio Lower Upper
98 100
100 64.7 52.4 78.6



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





#62

4-Bromofluorobenzene

Concen: 45.920 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011597.D

Acq: 16 Aug 2019 22:40

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBL02

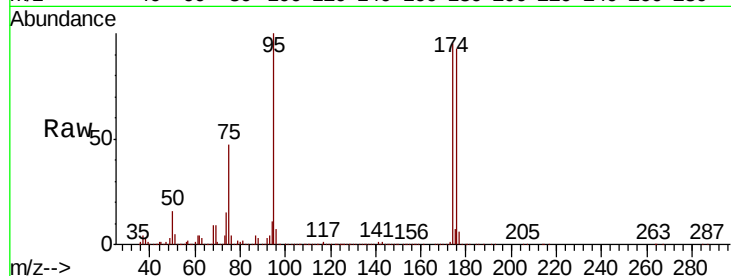
Tgt Ion: 95 Resp: 251405

Ion Ratio Lower Upper

95 100

174 98.9 0.0 200.6

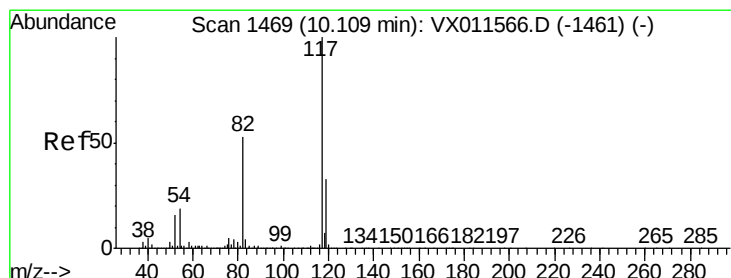
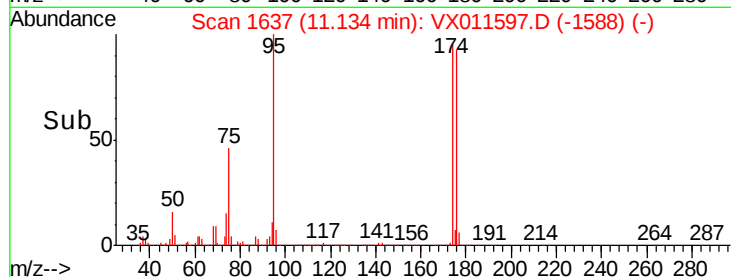
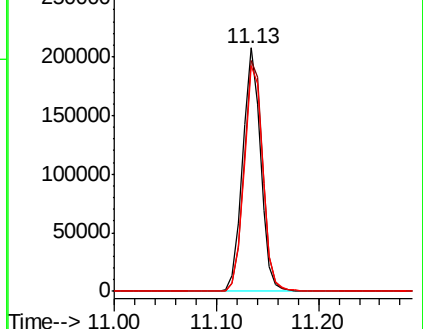
176 96.6 0.0 196.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011597.D

Acq: 16 Aug 2019 22:40

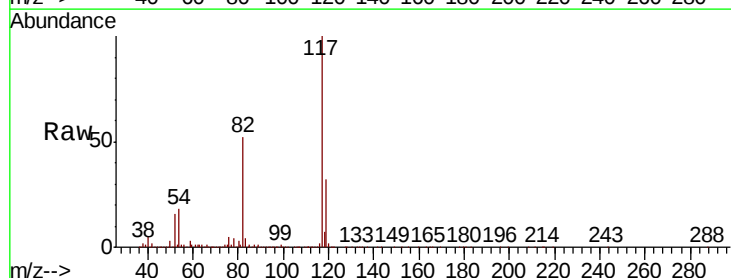
Tgt Ion: 117 Resp: 561701

Ion Ratio Lower Upper

117 100

82 52.2 42.0 63.0

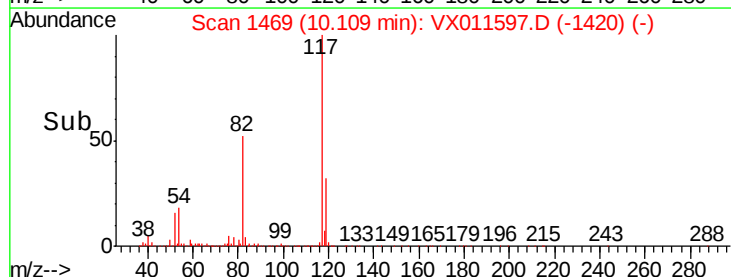
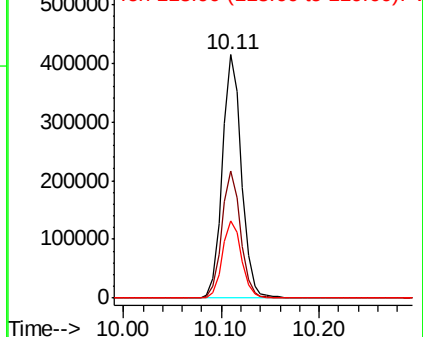
119 31.8 26.5 39.7

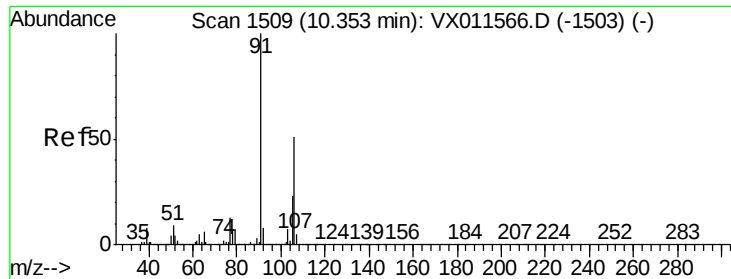


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

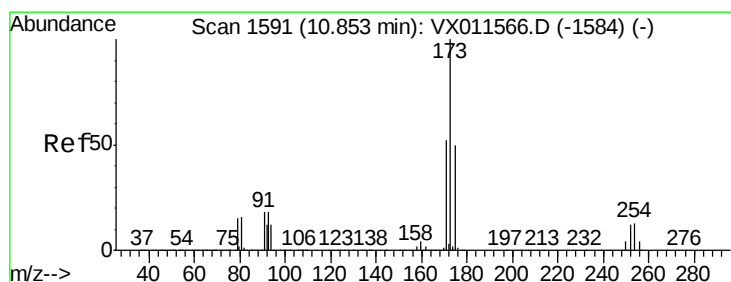
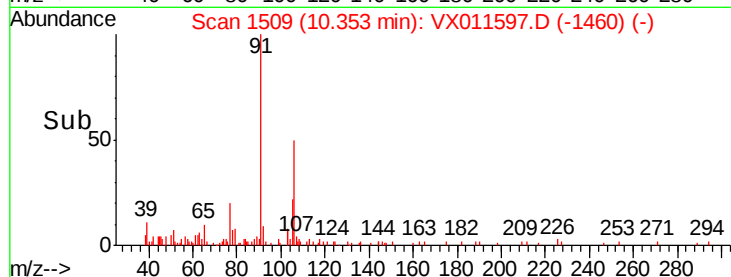
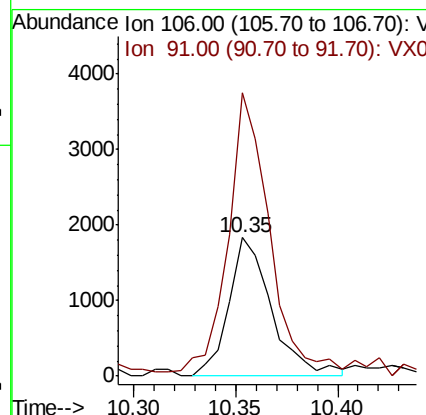
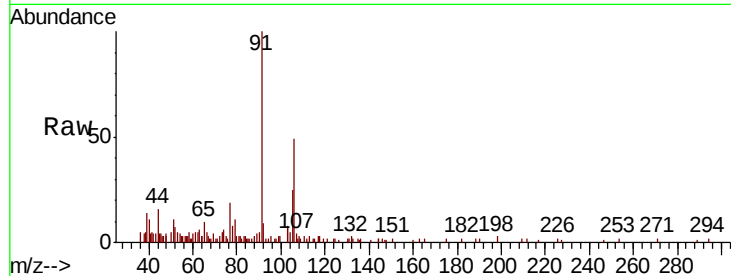




#68
m/p-Xylenes
Concen: 0.350 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011597.D
Acq: 16 Aug 2019 22:40

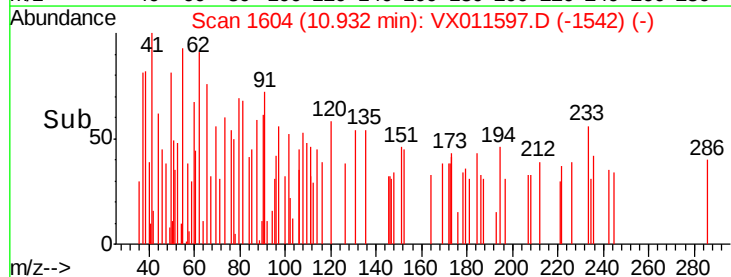
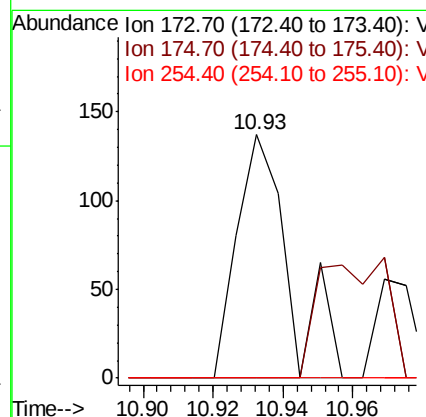
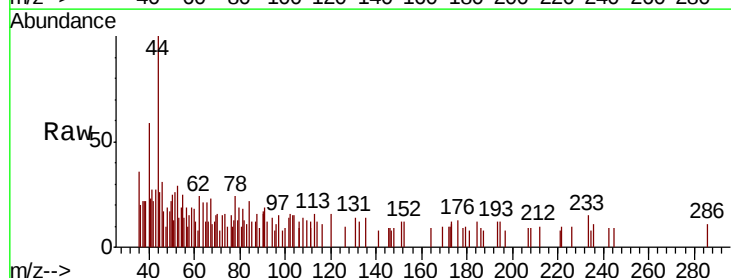
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBL02

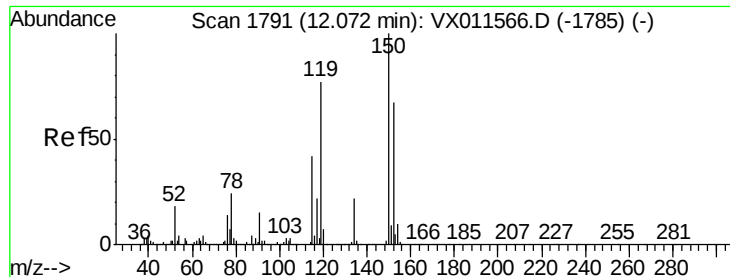
Tgt Ion:106 Resp: 2683
Ion Ratio Lower Upper
106 100
91 189.0 156.0 234.0



#71
Bromoform
Concen: 3.322 ug/l
RT: 10.93 min Scan# 1604
Delta R.T. 0.08 min
Lab File: VX011597.D
Acq: 16 Aug 2019 22:40

Tgt Ion:173 Resp: 141
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX011597.D

Acq: 16 Aug 2019 22:40

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBL02

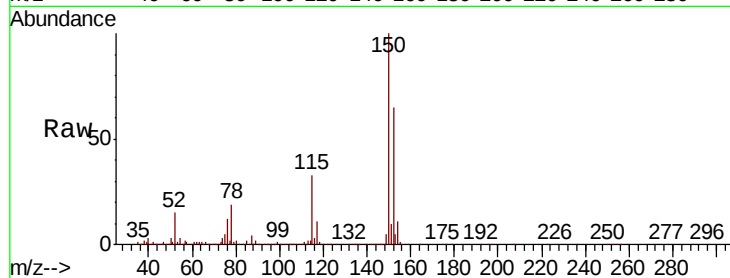
Tgt Ion:152 Resp: 274884

Ion Ratio Lower Upper

152 100

115 52.4 37.3 111.9

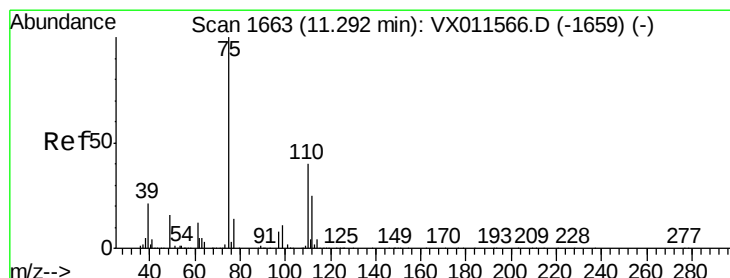
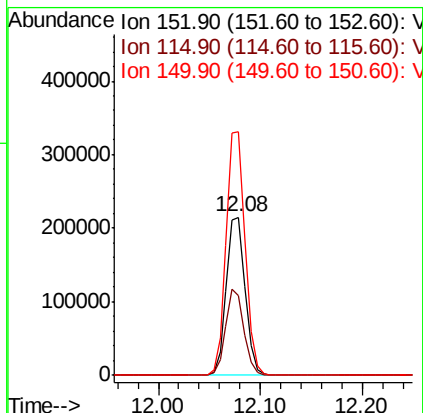
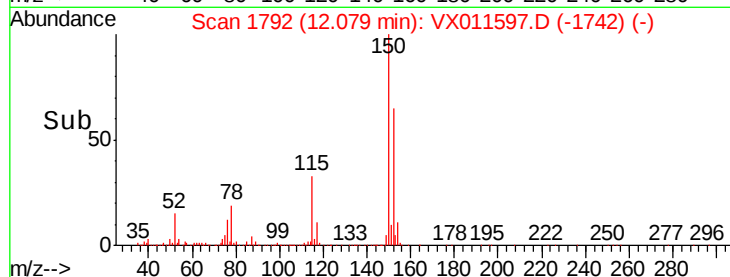
150 154.5 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.322 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011597.D

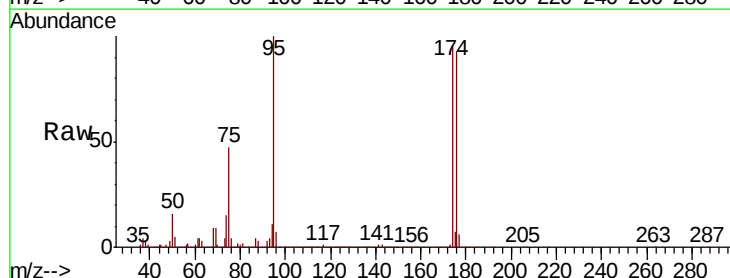
Acq: 16 Aug 2019 22:40

Tgt Ion: 75 Resp: 116350

Ion Ratio Lower Upper

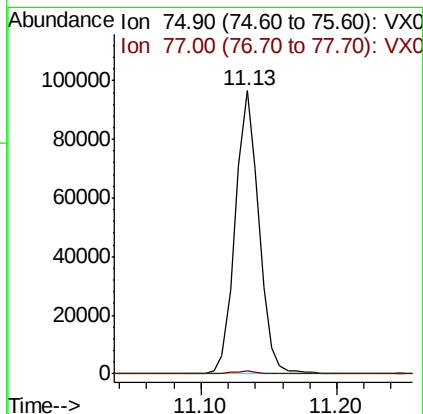
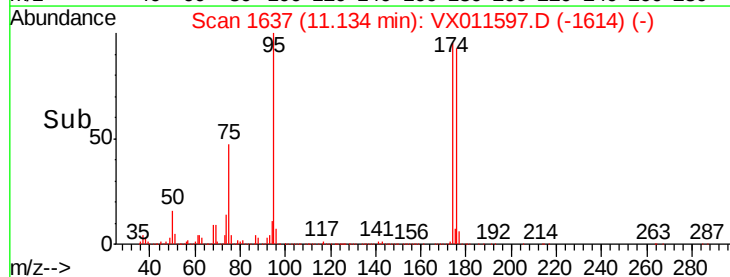
75 100

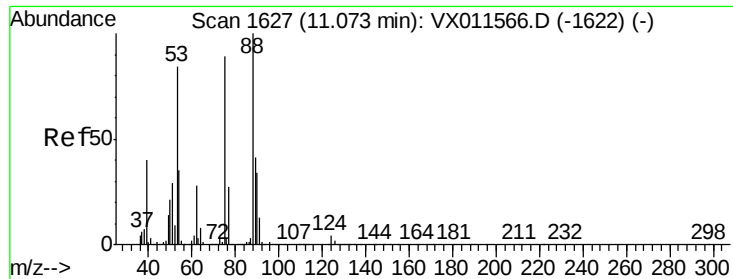
77 1.0 20.9 62.8#



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: 59.529 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011597.D

Acq: 16 Aug 2019 22:40

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBL02

Tgt Ion: 75 Resp: 116350

Ion Ratio Lower Upper

75 100

53 0.1 77.4 116.0#

89 0.1 37.3 55.9#

