

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080619\
 Data File : VX011346.D
 Acq On : 06 Aug 2019 12:17
 Operator : JC/SP
 Sample : K4153-01
 Misc : 5.99g/5mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RT-4221

Quant Time: Aug 07 01:12:57 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	191899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275222	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108916	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	93367	48.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.62%	
35) Dibromofluoromethane	5.49	113	77719	43.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.50%	
50) Toluene-d8	8.71	98	312457	46.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.14%	
62) 4-Bromofluorobenzene	11.13	95	96506	39.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.70%	

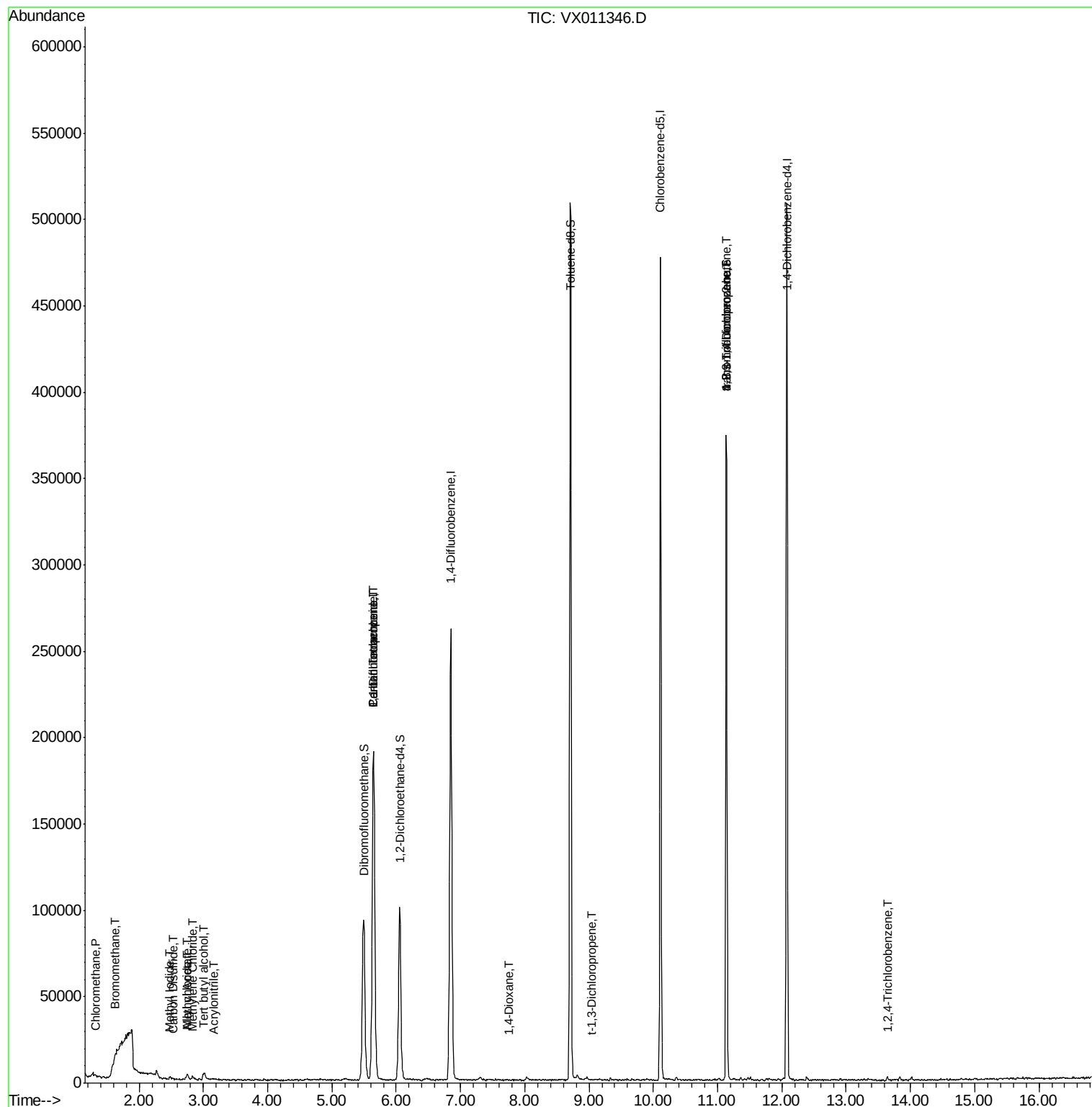
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	393	0.236	ug/l #	42
5) Bromomethane	1.63	94	593	0.454	ug/l	89
6) Chloroethane	1.73	64	198	Below Cal	#	1
10) Methyl Iodide	2.48	142	1423	0.641	ug/l #	96
11) Tert butyl alcohol	3.00	59	2503	6.517	ug/l #	84
13) Acrolein	2.29	56	45	Below Cal	#	15
14) Allyl chloride	2.75	41	661	0.284	ug/l #	66
15) Acrylonitrile	3.16	53	482	0.524	ug/l #	55
17) Carbon Disulfide	2.53	76	990	0.242	ug/l #	75
18) Methyl Acetate	2.75	43	1155	0.549	ug/l #	49
20) Methylene Chloride	2.84	84	976	0.484	ug/l #	89
36) 1,1-Dichloropropene	5.65	75	13070	5.439	ug/l #	48
38) Carbon Tetrachloride	5.65	117	17760	7.346	ug/l #	15
49) 1,4-Dioxane	7.75	88	25	0.476	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	160	2.895	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	47567	23.981	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	47567	62.766	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	506	0.208	ug/l	84

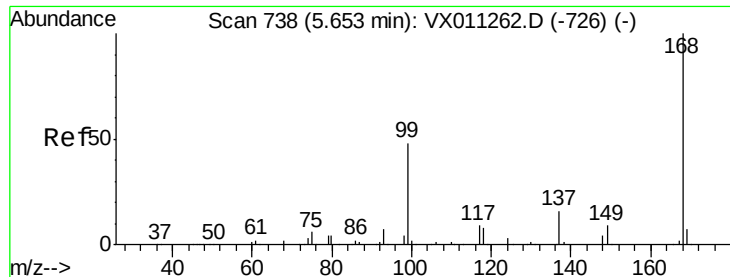
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleID :
RT-4221

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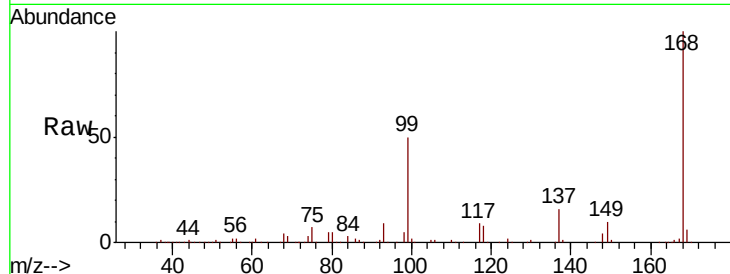




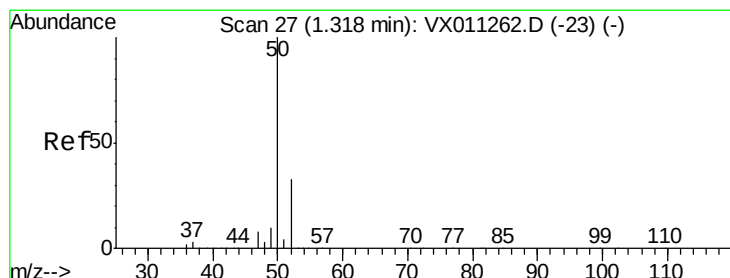
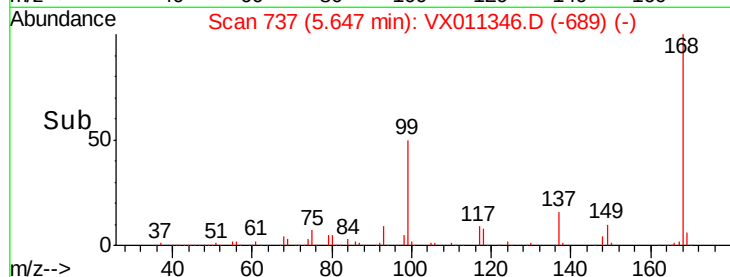
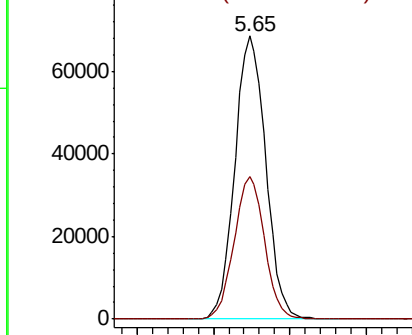
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 737
Delta R.T. -0.01 min
Lab File: VX011346.D
Acq: 06 Aug 2019 12:17

Instrument :
MSVOA_X
ClientSampleId :
RT-4221

Tgt Ion: 168 Resp: 191899
Ion Ratio Lower Upper
168 100
99 50.3 38.5 57.7

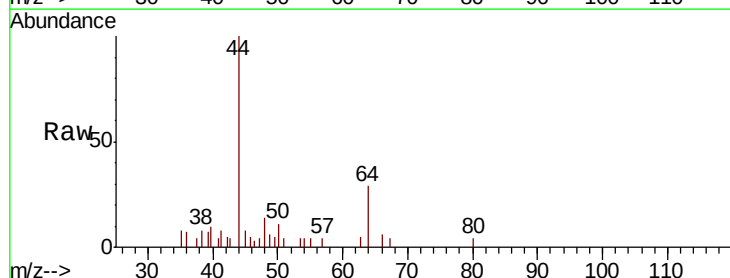


Abundance Ion 167.90 (167.60 to 168.60): VX0
Ion 98.90 (98.60 to 99.60): VX0

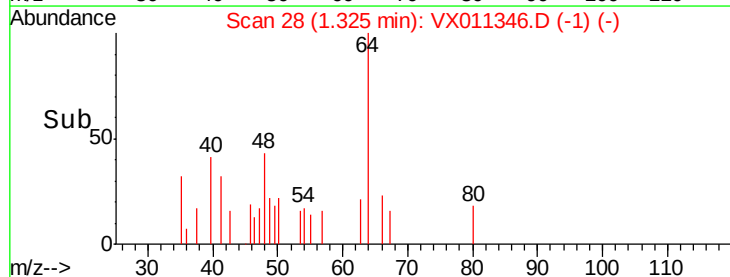
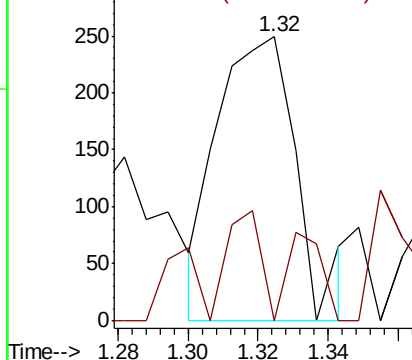


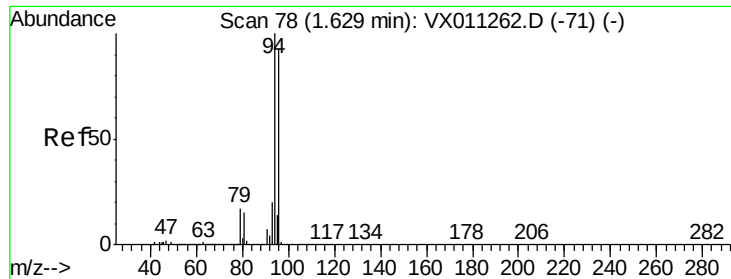
#3
Chloromethane
Concen: 0.236 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.01 min
Lab File: VX011346.D
Acq: 06 Aug 2019 12:17

Tgt Ion: 50 Resp: 393
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.454 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011346.D

Acq: 06 Aug 2019 12:17

Instrument :

MSVOA_X

ClientSampled :

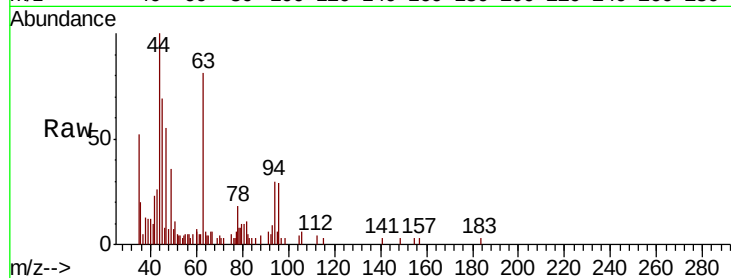
RT-4221

Tgt Ion: 94 Resp: 593

Ion Ratio Lower Upper

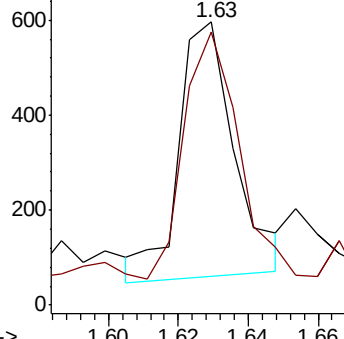
94 100

96 103.4 74.6 112.0

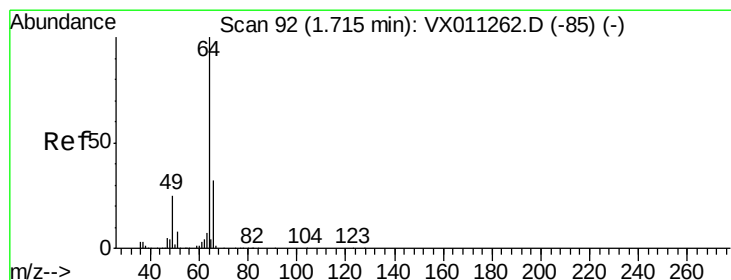
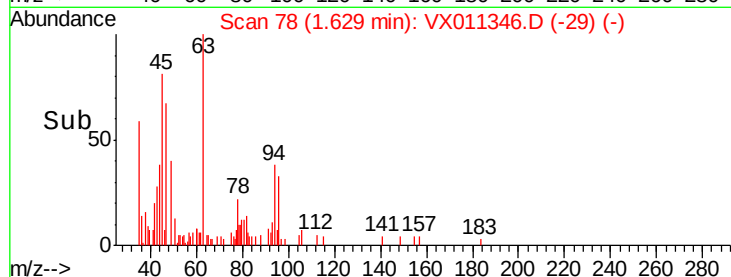


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX011346.D

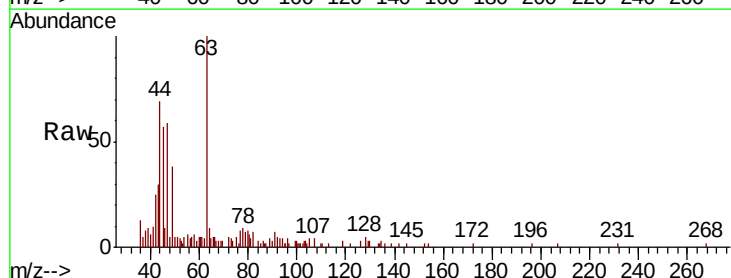
Acq: 06 Aug 2019 12:17

Tgt Ion: 64 Resp: 198

Ion Ratio Lower Upper

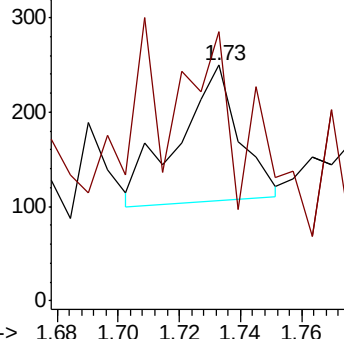
64 100

66 113.2 25.1 37.7#

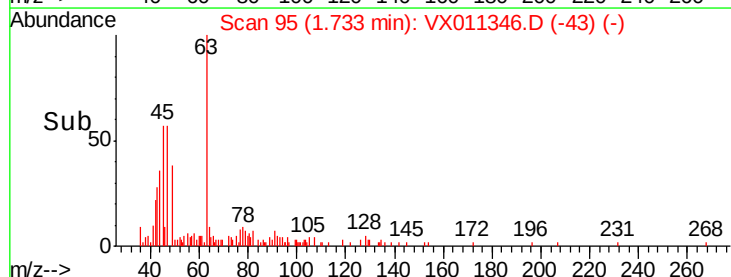


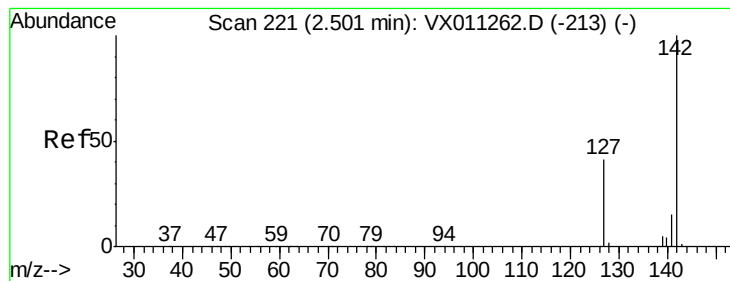
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

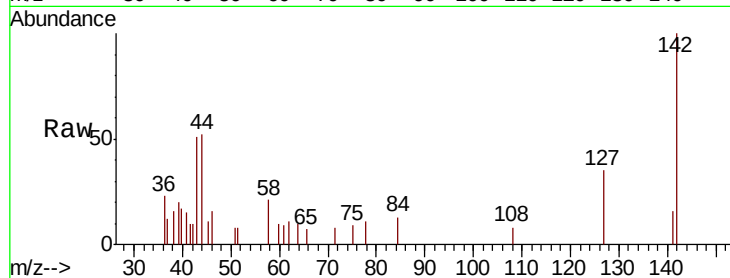




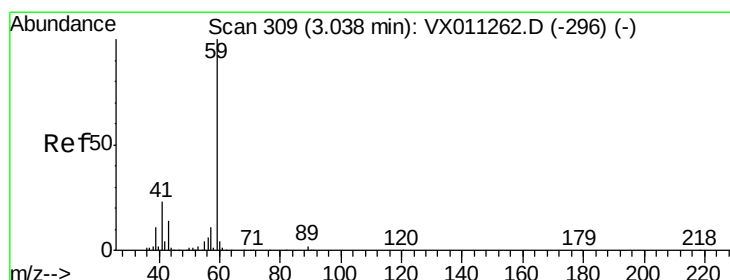
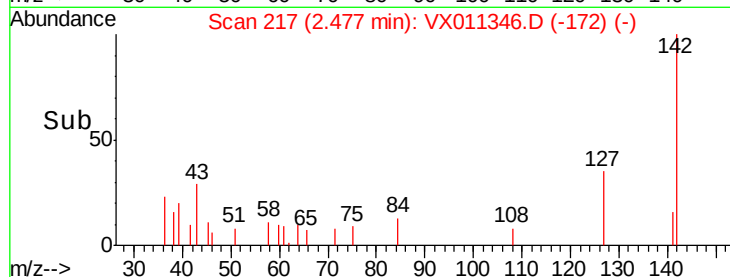
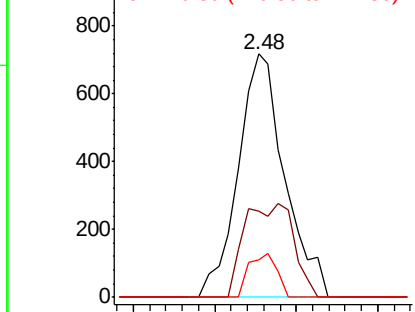
#10
Methyl Iodide
Concen: 0.641 ug/l
RT: 2.48 min Scan# 217
Delta R.T. -0.02 min
Lab File: VX011346.D
Acq: 06 Aug 2019 12:17

Instrument :
MSVOA_X
ClientSampleId :
RT-4221

Tgt Ion:142 Resp: 1423
Ion Ratio Lower Upper
142 100
127 40.5 33.8 50.8
141 10.7 11.4 17.2#

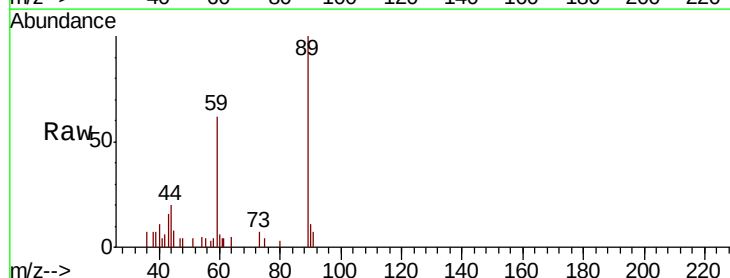


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

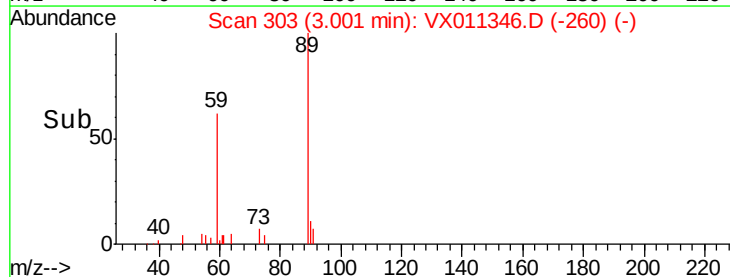
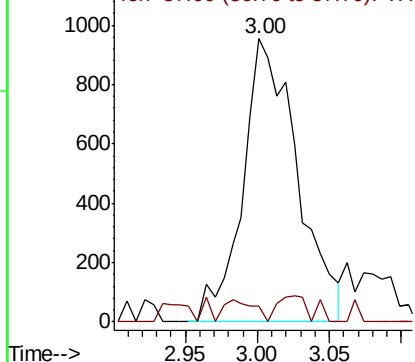


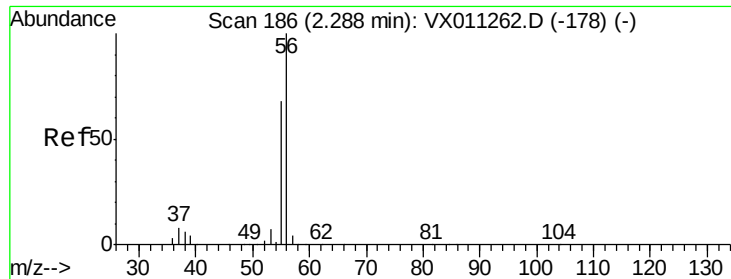
#11
Tert butyl alcohol
Concen: 6.517 ug/l
RT: 3.00 min Scan# 303
Delta R.T. -0.04 min
Lab File: VX011346.D
Acq: 06 Aug 2019 12:17

Tgt Ion: 59 Resp: 2503
Ion Ratio Lower Upper
59 100
57 4.3 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011346.D

Acq: 06 Aug 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

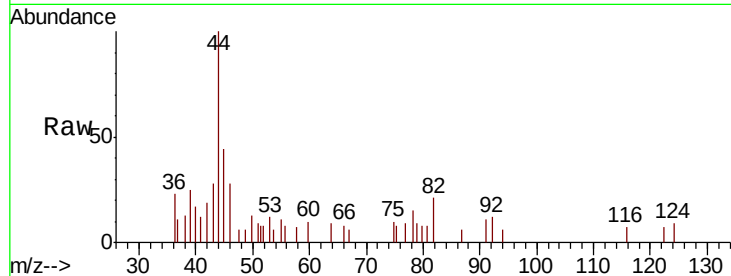
RT-4221

Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

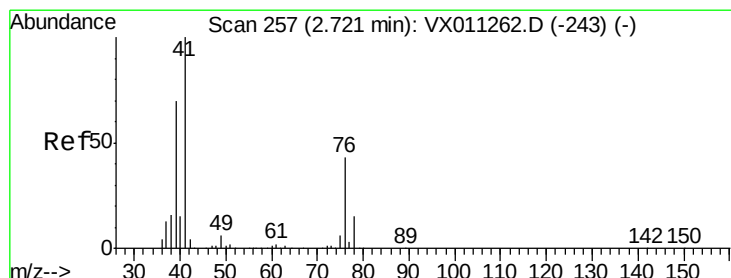
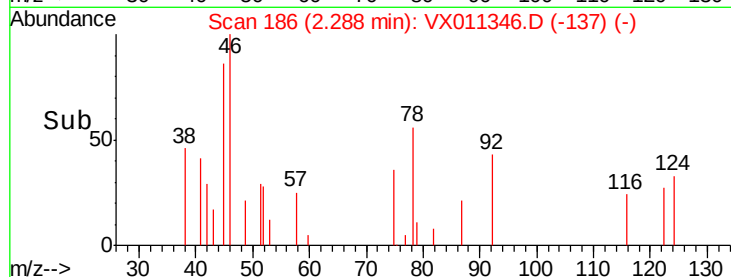
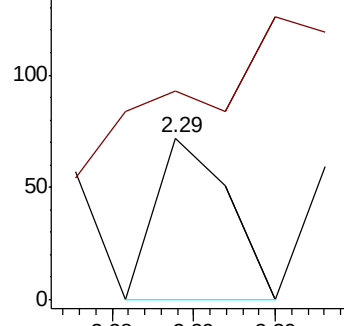
56 100

55 0.0 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.284 ug/l

RT: 2.75 min Scan# 262

Delta R.T. 0.03 min

Lab File: VX011346.D

Acq: 06 Aug 2019 12:17

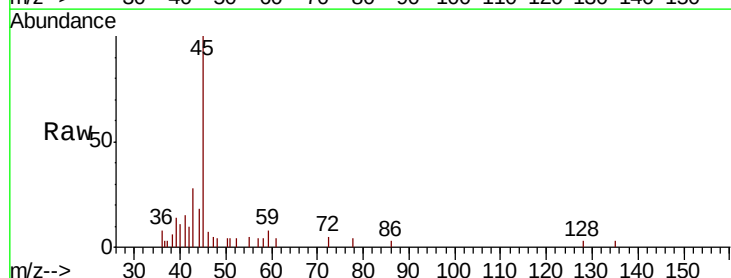
Tgt Ion: 41 Resp: 661

Ion Ratio Lower Upper

41 100

39 53.0 52.8 79.2

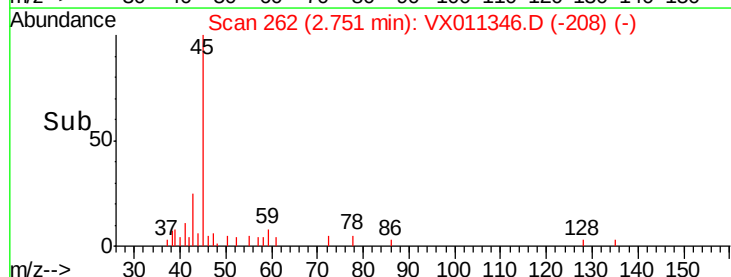
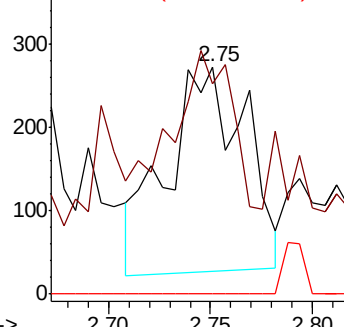
76 0.0 31.1 46.7#

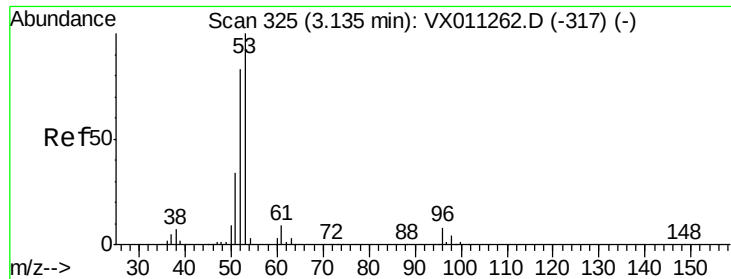


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 0.524 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX011346.D

Acq: 06 Aug 2019 12:17

Instrument :

MSVOA_X

ClientSampled :

RT-4221

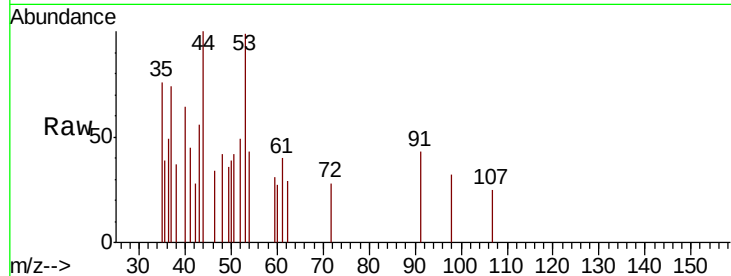
Tgt Ion: 53 Resp: 482

Ion Ratio Lower Upper

53 100

52 37.8 65.5 98.3#

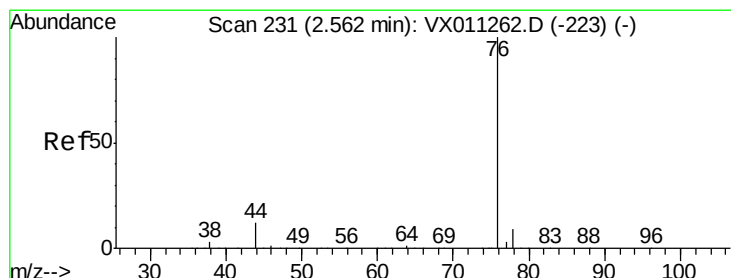
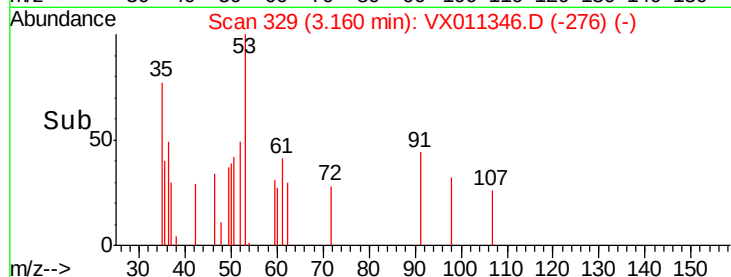
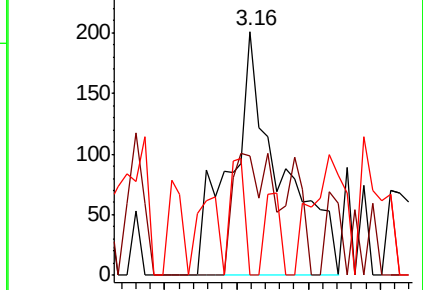
51 14.3 27.9 41.9#



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



#17

Carbon Disulfide

Concen: 0.242 ug/l

RT: 2.53 min Scan# 225

Delta R.T. -0.04 min

Lab File: VX011346.D

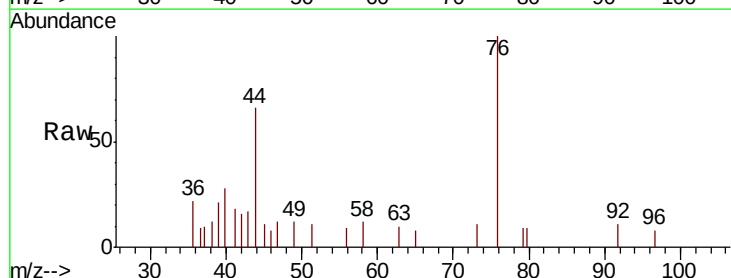
Acq: 06 Aug 2019 12:17

Tgt Ion: 76 Resp: 990

Ion Ratio Lower Upper

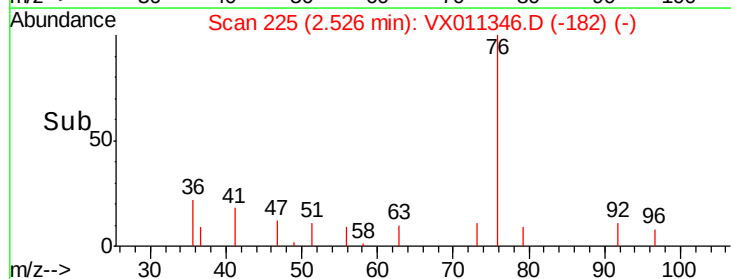
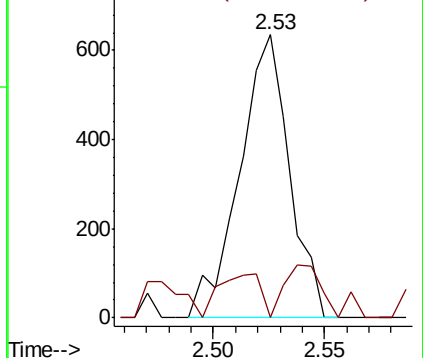
76 100

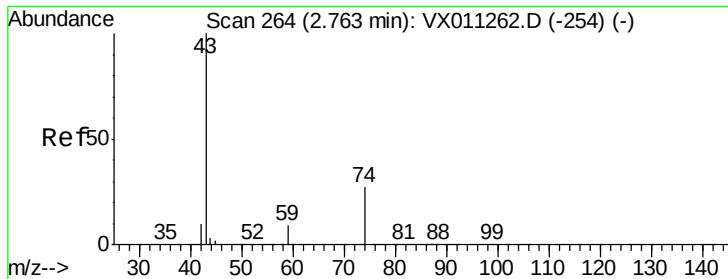
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

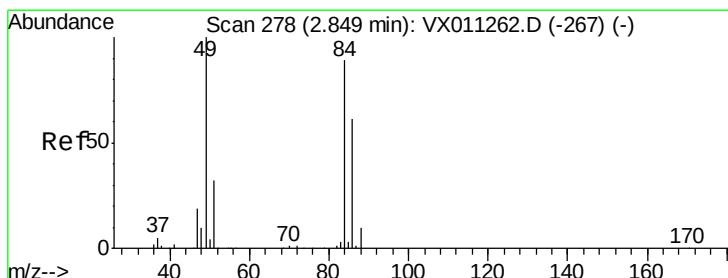
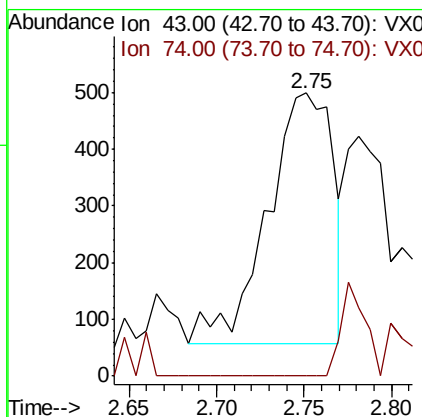
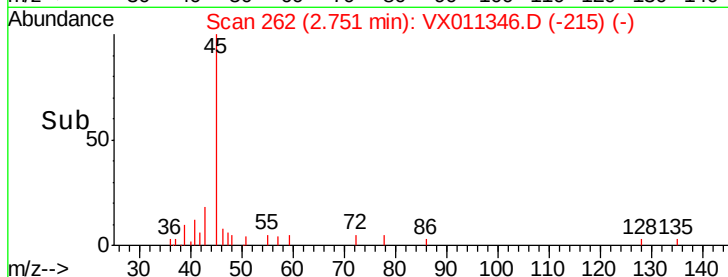
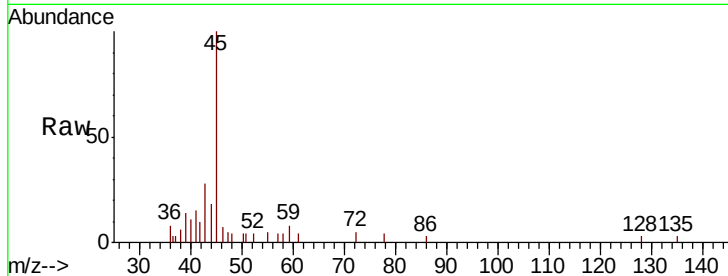




#18
Methyl Acetate
Concen: 0.549 ug/l
RT: 2.75 min Scan# 262
Delta R.T. -0.01 min
Lab File: VX011346.D
Acq: 06 Aug 2019 12:17

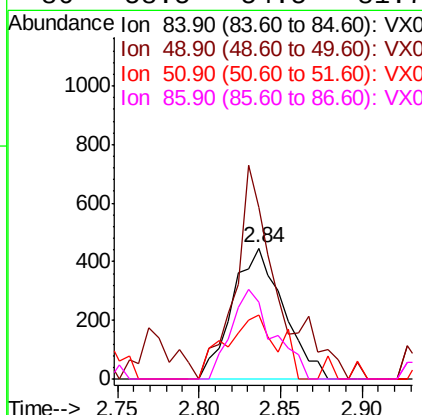
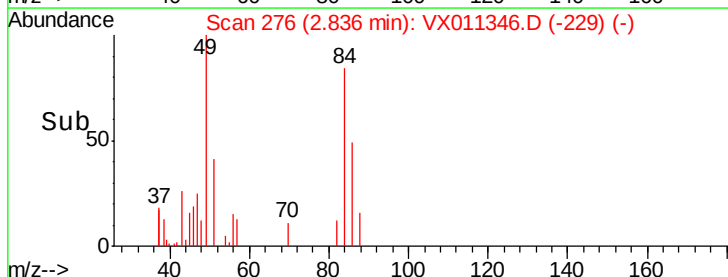
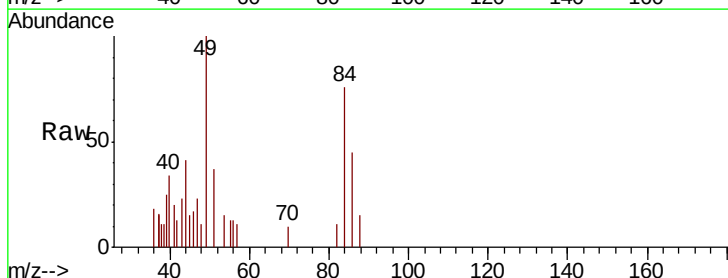
Instrument :
MSVOA_X
ClientSampled :
RT-4221

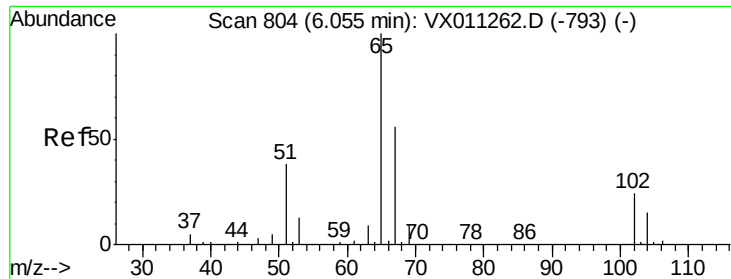
Tgt Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#



#20
Methylene Chloride
Concen: 0.484 ug/l
RT: 2.84 min Scan# 276
Delta R.T. -0.01 min
Lab File: VX011346.D
Acq: 06 Aug 2019 12:17

Tgt Ion: 84 Resp: 976
Ion Ratio Lower Upper
84 100
49 118.2 89.3 133.9
51 48.7 28.3 42.5#
86 58.5 54.5 81.7

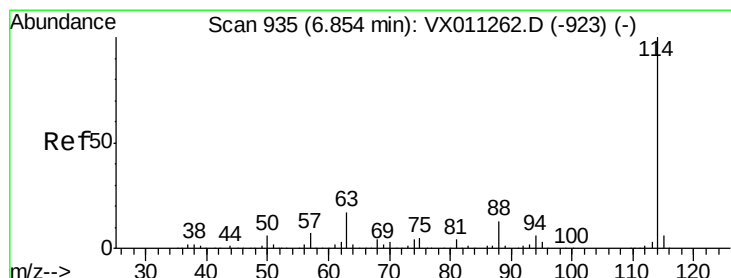
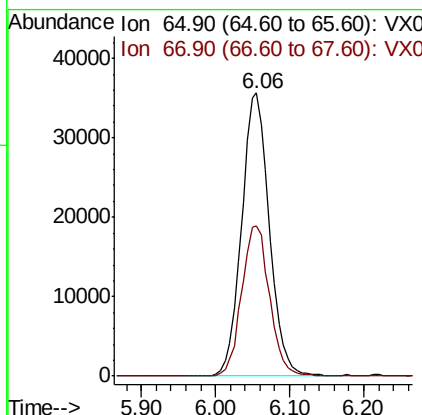
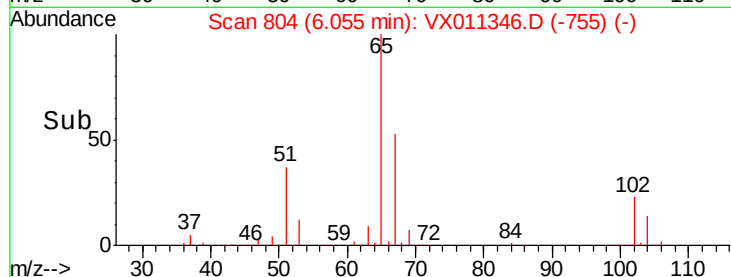
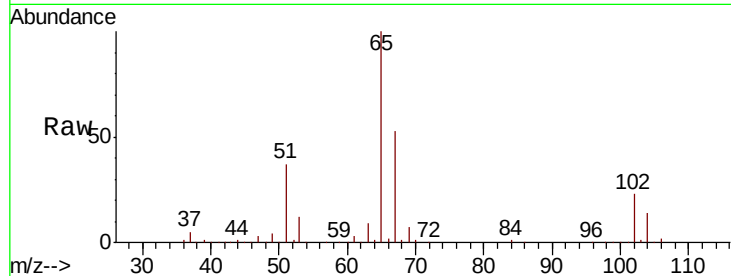




#33
 1,2-Dichloroethane-d4
 Concen: 48.313 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011346.D
 Acq: 06 Aug 2019 12:17

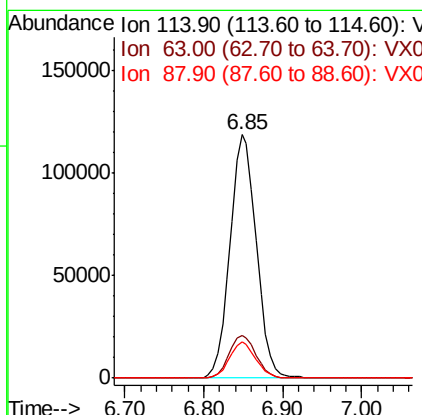
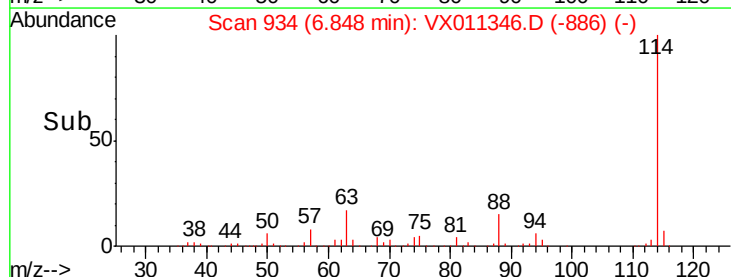
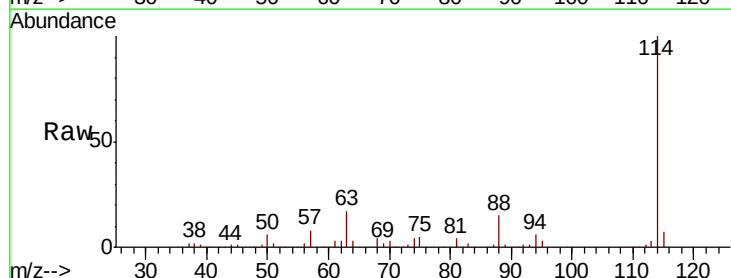
Instrument :
 MSVOA_X
 ClientSampleId :
 RT-4221

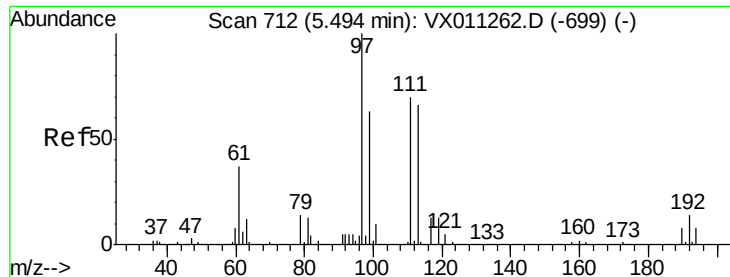
Tgt Ion: 65 Resp: 93367
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011346.D
 Acq: 06 Aug 2019 12:17

Tgt Ion: 114 Resp: 275222
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.0
 88 14.7 0.0 26.4

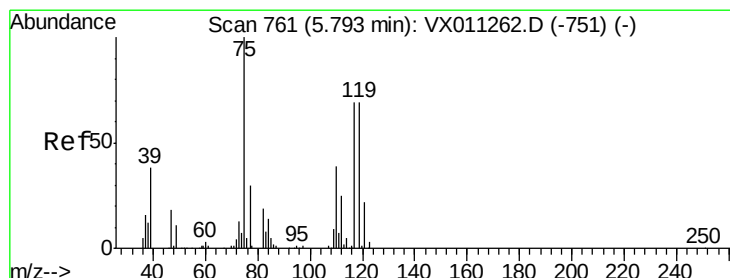
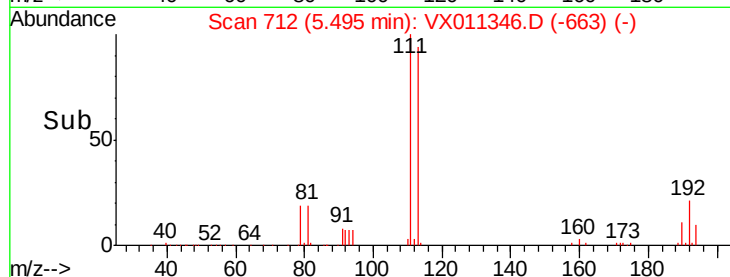
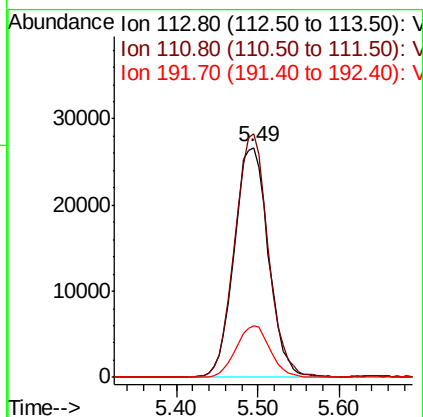
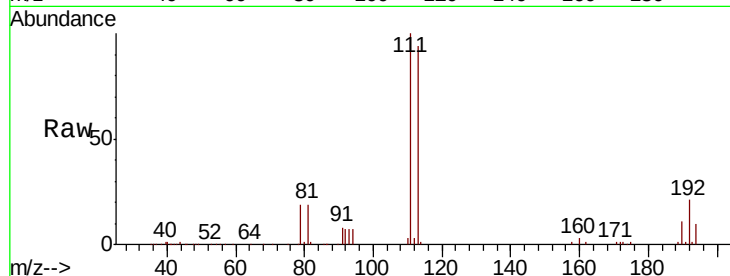




#35
 Dibromofluoromethane
 Concen: 43.253 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011346.D
 Acq: 06 Aug 2019 12:17

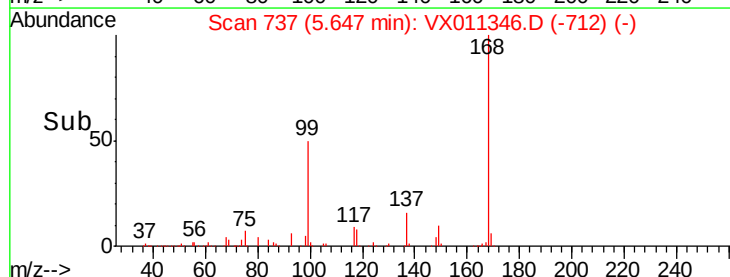
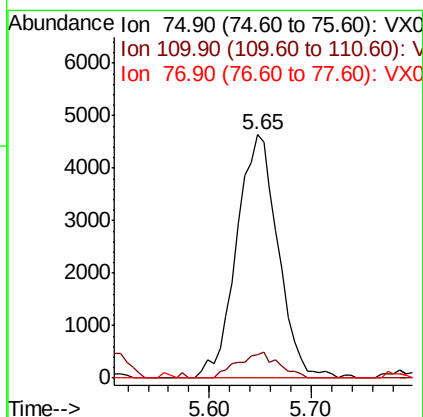
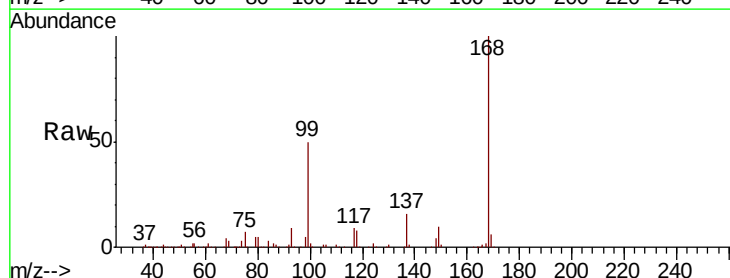
Instrument :
 MSVOA_X
 ClientSampleId :
 RT-4221

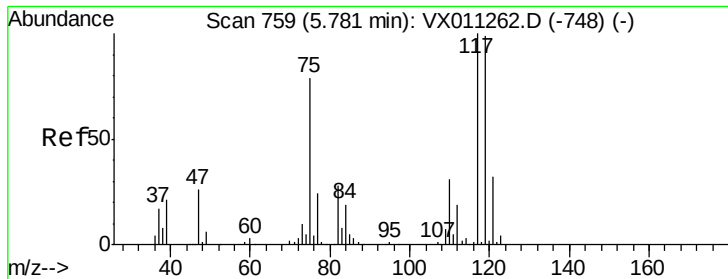
Tgt Ion:113 Resp: 77719
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.9 122.9
 192 22.2 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 5.439 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX011346.D
 Acq: 06 Aug 2019 12:17

Tgt Ion: 75 Resp: 13070
 Ion Ratio Lower Upper
 75 100
 110 10.4 20.0 59.9#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.346 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.13 min

Lab File: VX011346.D

Acq: 06 Aug 2019 12:17

Instrument :

MSVOA_X

ClientSampled :

RT-4221

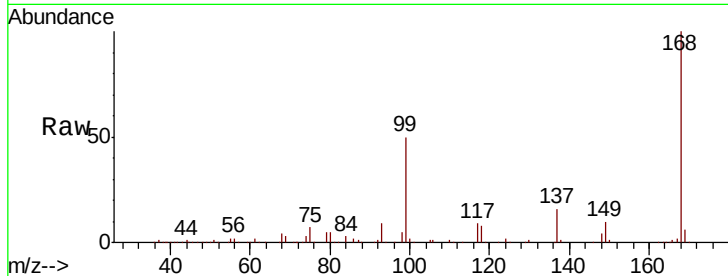
Tgt Ion: 117 Resp: 17760

Ion Ratio Lower Upper

117 100

119 5.3 79.0 118.4#

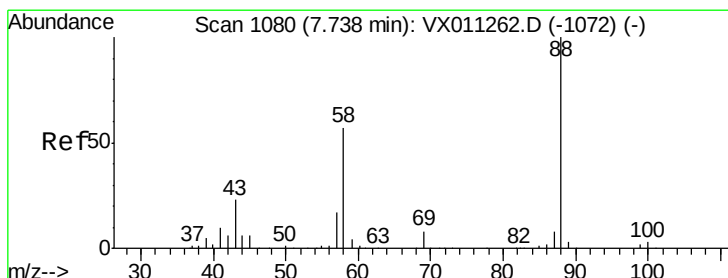
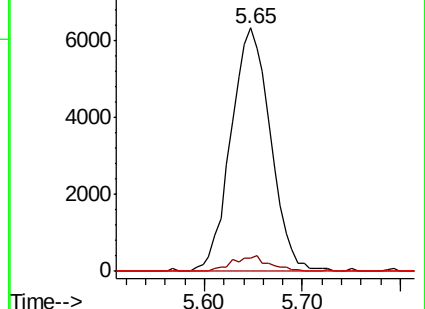
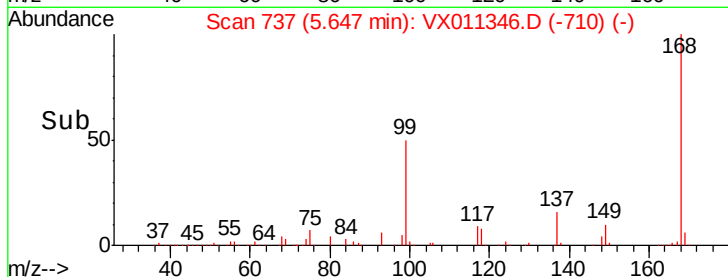
121 0.0 25.9 38.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.476 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX011346.D

Acq: 06 Aug 2019 12:17

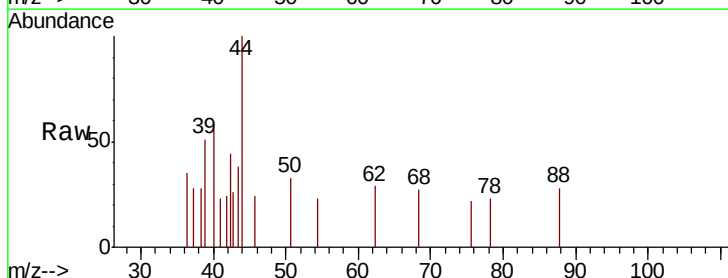
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 328.0 22.2 33.2#

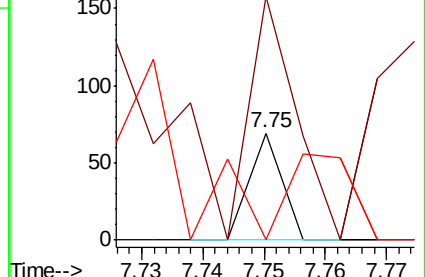
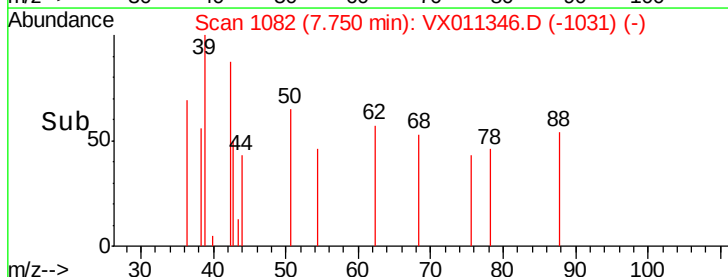
58 160.0 47.8 71.8#

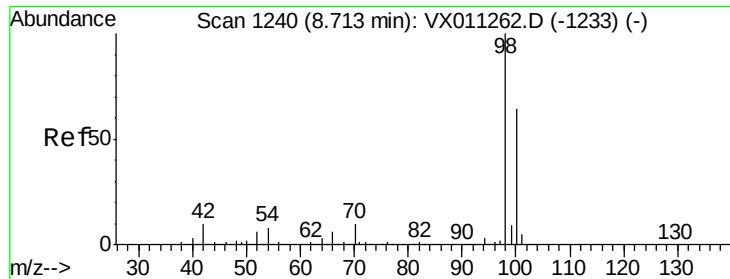


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 46.067 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011346.D

Acq: 06 Aug 2019 12:17

Instrument :

MSVOA_X

ClientSampled :

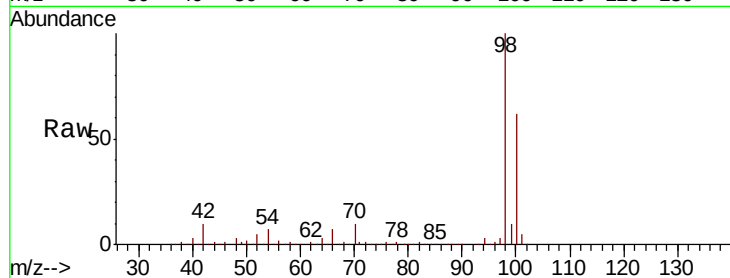
RT-4221

Tgt Ion: 98 Resp: 312457

Ion Ratio Lower Upper

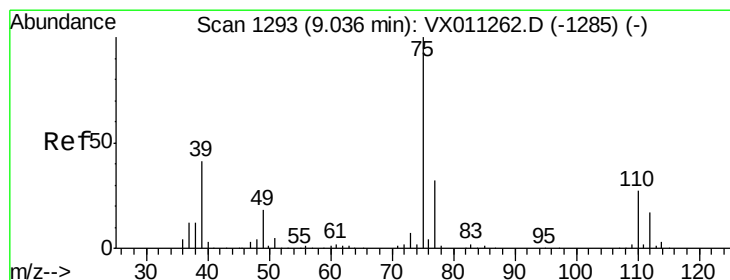
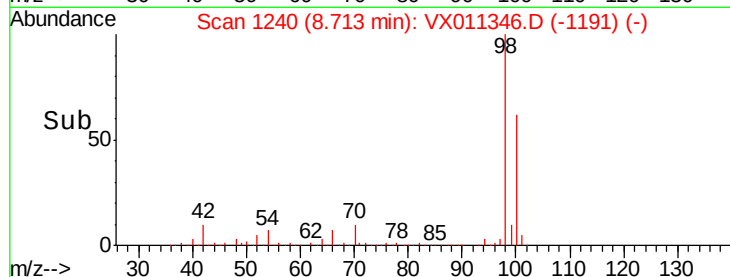
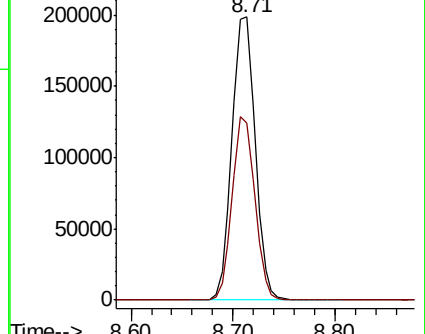
98 100

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): VX0



#53

t-1,3-Dichloropropene

Concen: 2.895 ug/l

RT: 9.05 min Scan# 1296

Delta R.T. 0.02 min

Lab File: VX011346.D

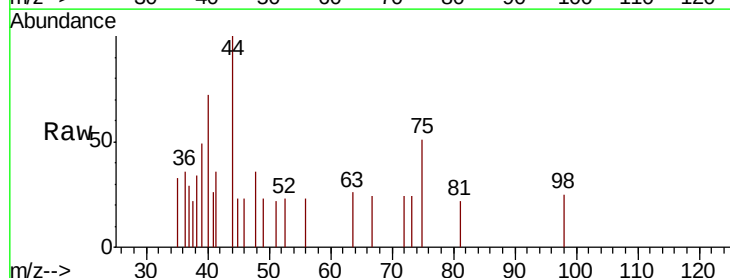
Acq: 06 Aug 2019 12:17

Tgt Ion: 75 Resp: 160

Ion Ratio Lower Upper

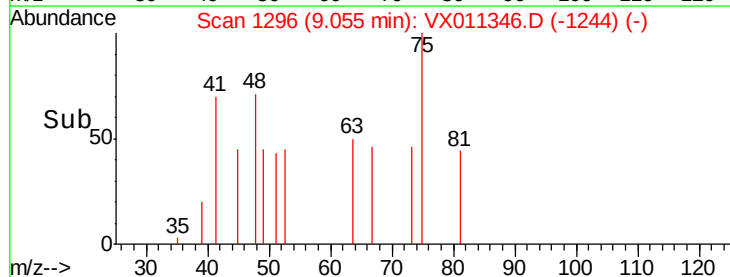
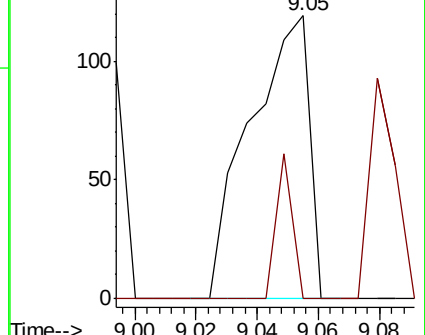
75 100

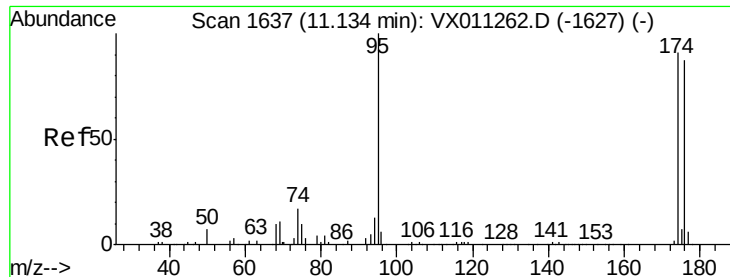
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#62

4-Bromofluorobenzene

Concen: 39.852 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011346.D

Acq: 06 Aug 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

RT-4221

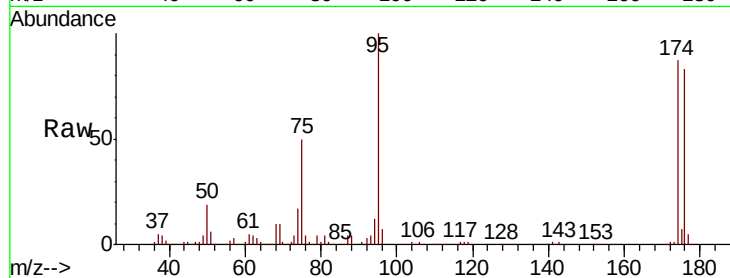
Tgt Ion: 95 Resp: 96506

Ion Ratio Lower Upper

95 100

174 93.2 0.0 191.2

176 88.0 0.0 184.8

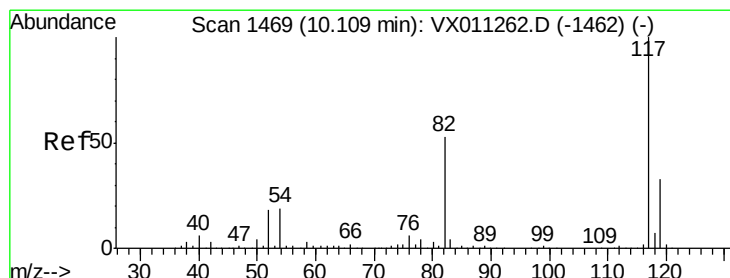
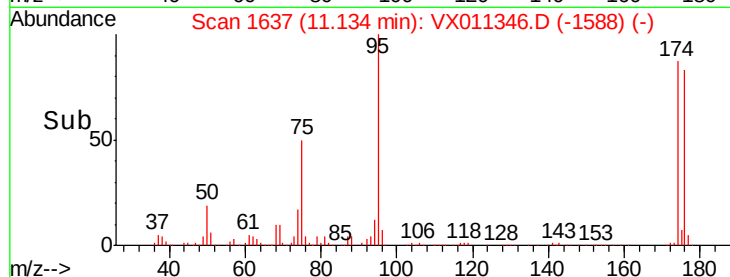
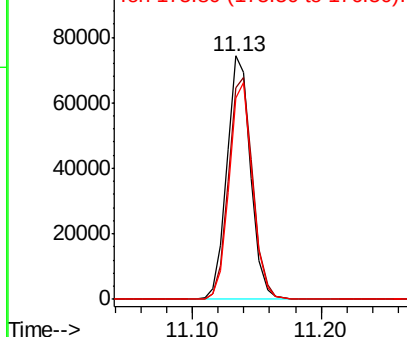


Abundance

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: VX011346.D

Acq: 06 Aug 2019 12:17

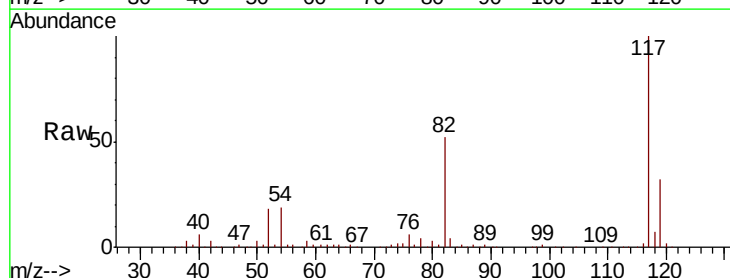
Tgt Ion: 117 Resp: 224837

Ion Ratio Lower Upper

117 100

82 51.5 42.2 63.2

119 32.2 26.6 39.8

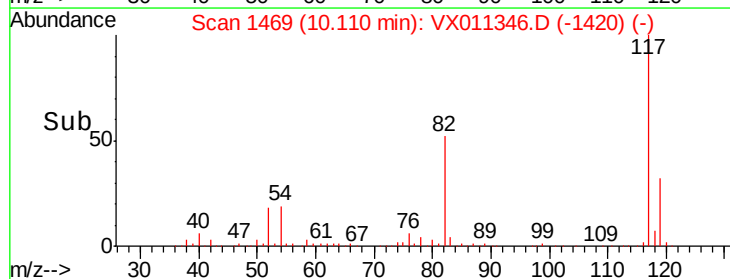
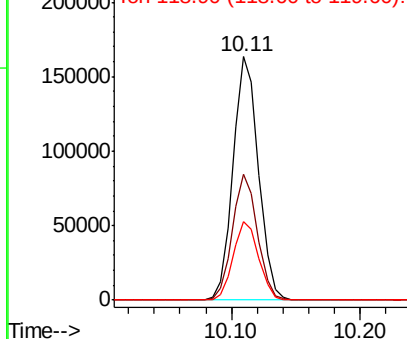


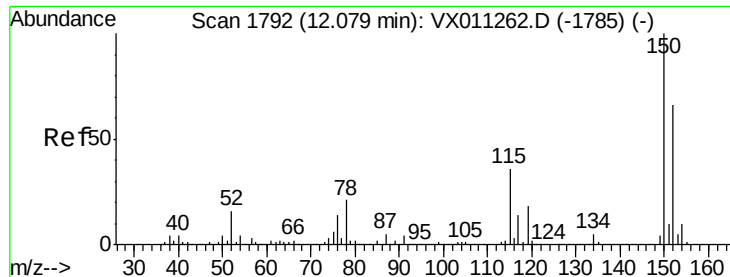
Abundance

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011346.D

Acq: 06 Aug 2019 12:17

Instrument :

MSVOA_X

ClientSampleId :

RT-4221

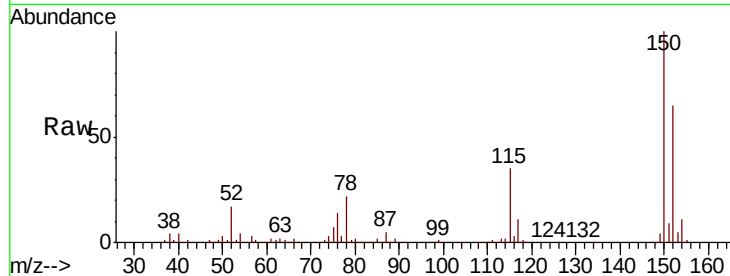
Tgt Ion:152 Resp: 108916

Ion Ratio Lower Upper

152 100

115 55.6 40.0 119.9

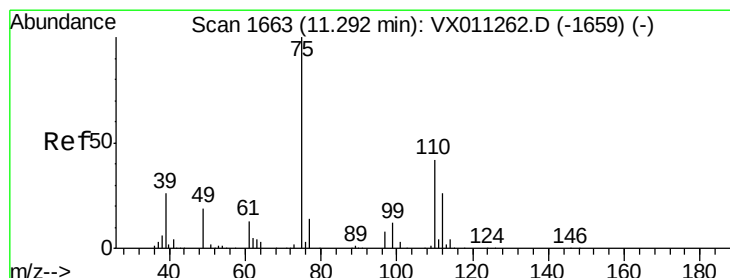
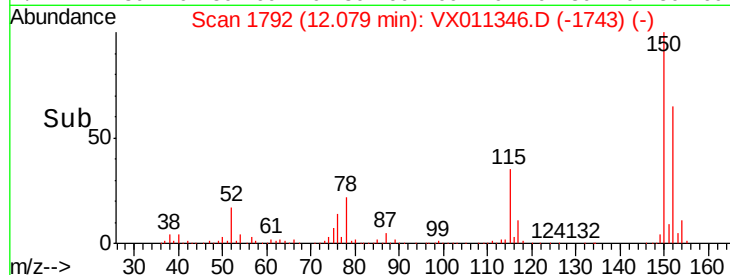
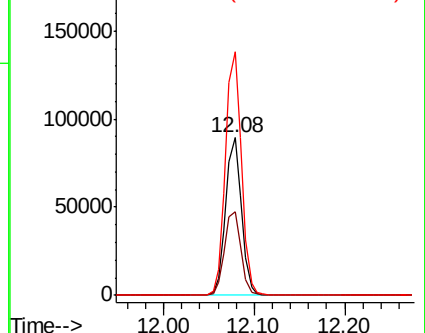
150 156.3 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.981 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011346.D

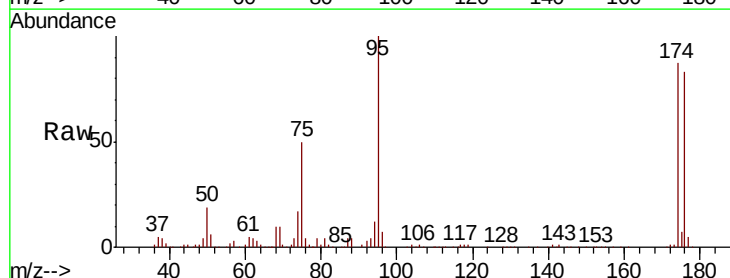
Acq: 06 Aug 2019 12:17

Tgt Ion: 75 Resp: 47567

Ion Ratio Lower Upper

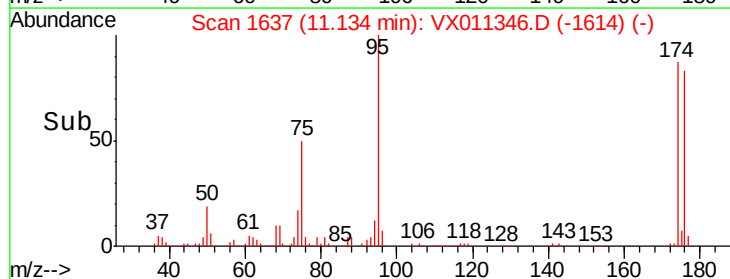
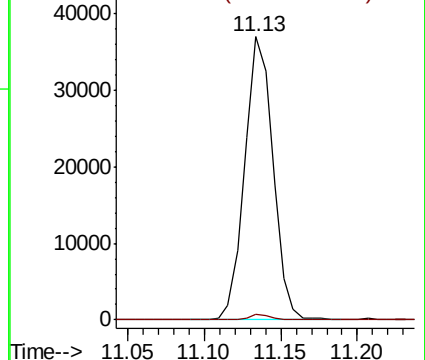
75 100

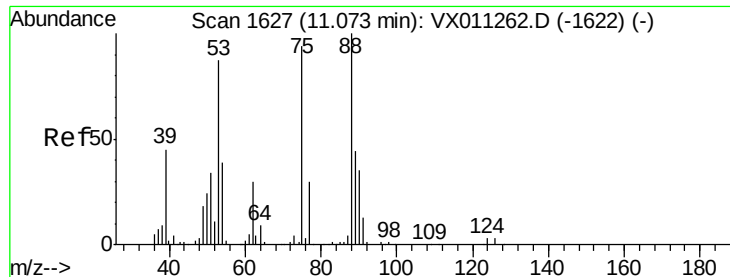
77 1.6 21.1 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

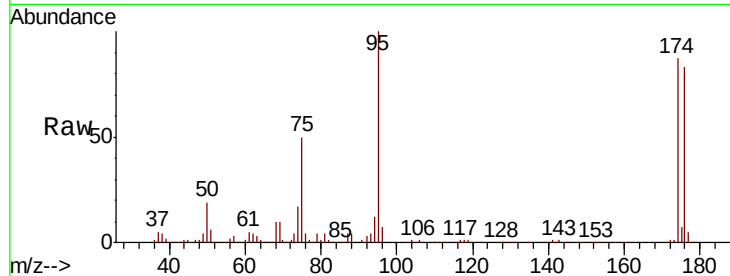




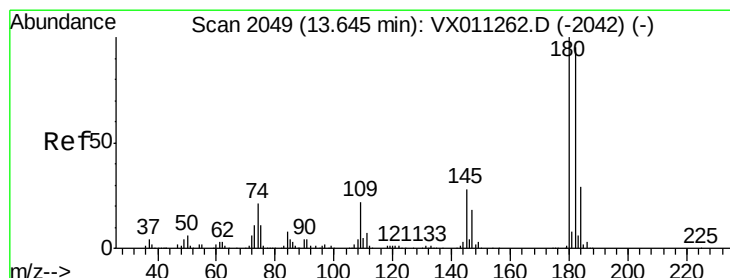
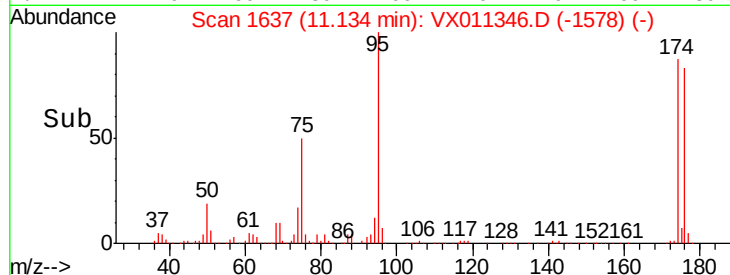
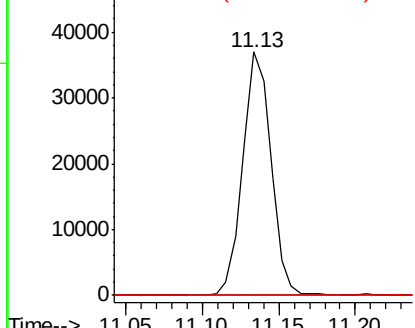
#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.766 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011346.D
 Acq: 06 Aug 2019 12:17

Instrument :
 MSVOA_X
 ClientSampleId :
 RT-4221

Tgt Ion: 75 Resp: 47567
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.2 117.4#
 89 0.0 37.9 56.9#

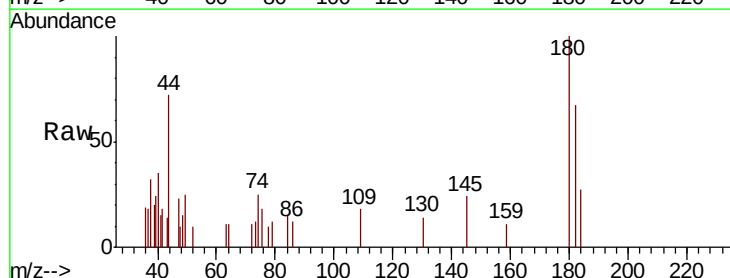


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 53.00 (52.70 to 53.70): VX0
 Ion 88.90 (88.60 to 89.60): VX0



#93
 1,2,4-Trichlorobenzene
 Concen: 0.208 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011346.D
 Acq: 06 Aug 2019 12:17

Tgt Ion: 180 Resp: 506
 Ion Ratio Lower Upper
 180 100
 182 82.8 47.8 143.4
 145 15.8 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

