

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009590.D
 Acq On : 15 May 2019 19:08
 Operator : JC/SP
 Sample : K2857-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:13:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	171117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274347	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95888	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	111667	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
35) Dibromofluoromethane	5.50	113	83753	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	8.71	98	339940	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.13	95	108626	42.93	ug/l	0.00
Spiked Amount			Recovery	=	85.86%	

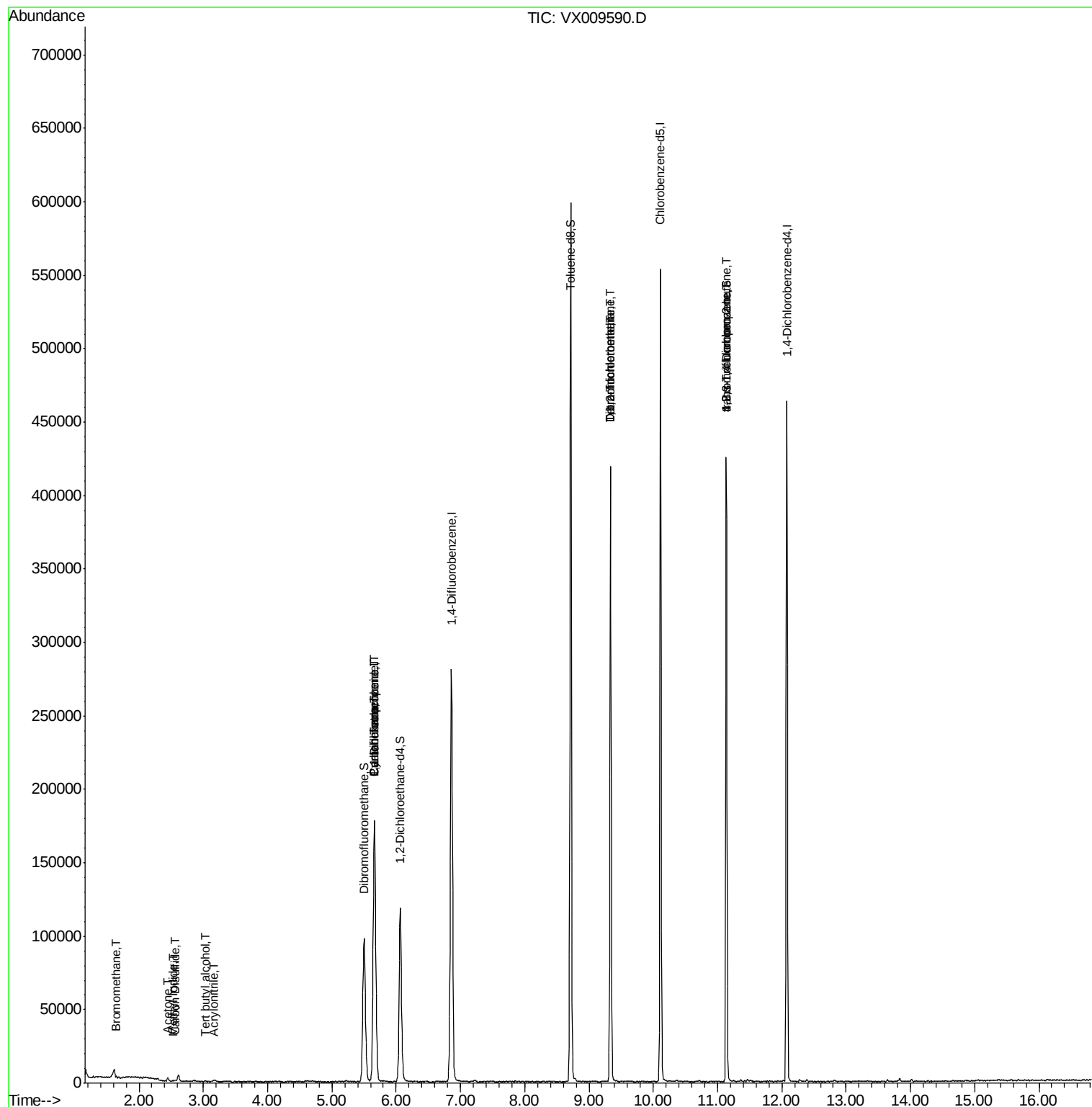
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	439	0.348	ug/l	83
10) Methyl Iodide	2.53	142	377	4.778	ug/l #	66
11) Tert butyl alcohol	3.03	59	152	0.281	ug/l #	4
15) Acrylonitrile	3.15	53	350	0.265	ug/l #	84
16) Acetone	2.45	43	2564	2.044	ug/l	93
17) Carbon Disulfide	2.57	76	976	0.217	ug/l #	77
28) Bromochloromethane	5.03	49	180	Below Cal	#	20
31) Cyclohexane	5.66	56	3837	1.111	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13442	5.272	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16313	7.042	ug/l #	17
55) 1,1,2-Trichloroethane	9.34	97	870	0.445	ug/l #	17
60) Dibromochloromethane	9.34	129	75820	39.672	ug/l #	11
64) Tetrachloroethene	9.34	164	81964	50.214	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	56121	25.231	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	56121	64.558	ug/l #	10

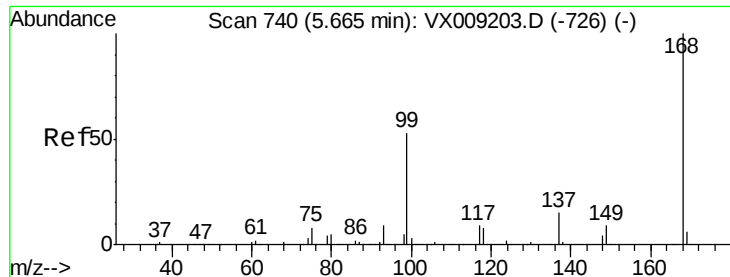
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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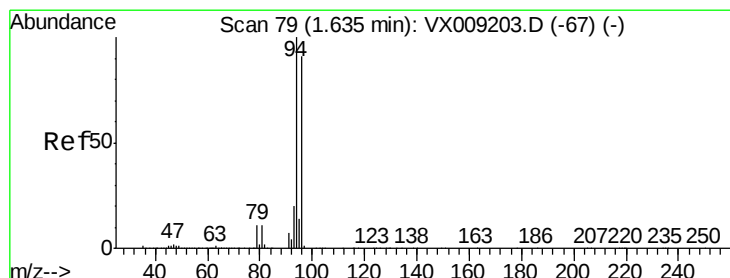
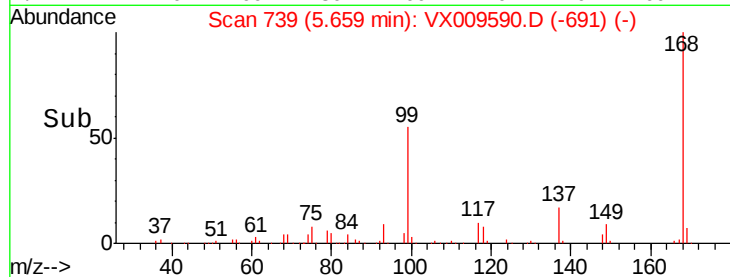
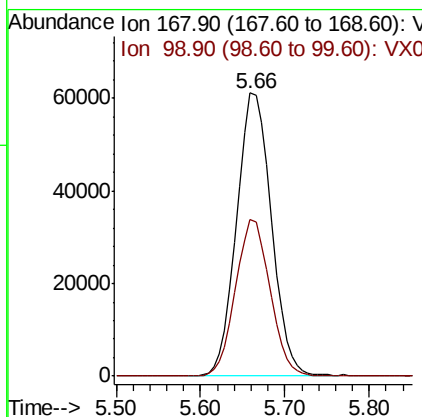
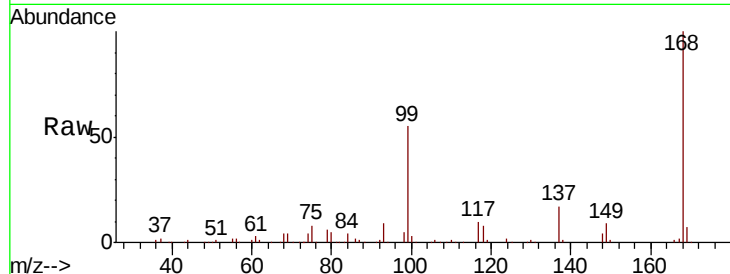




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009590.D
Acq: 15 May 2019 19:08

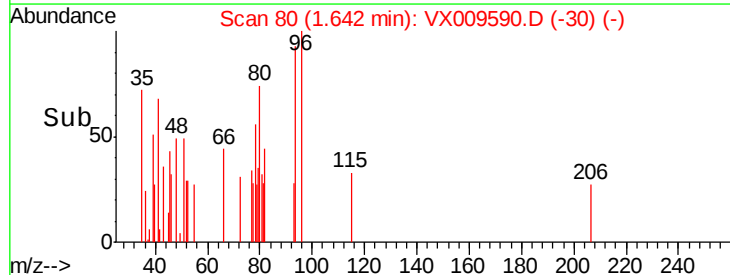
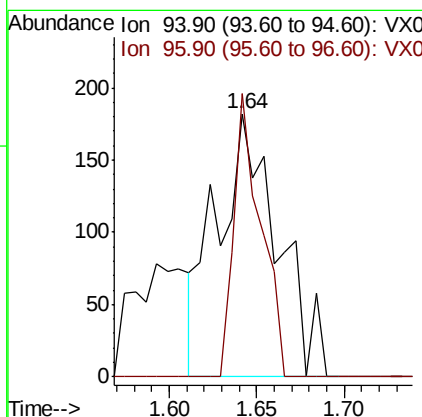
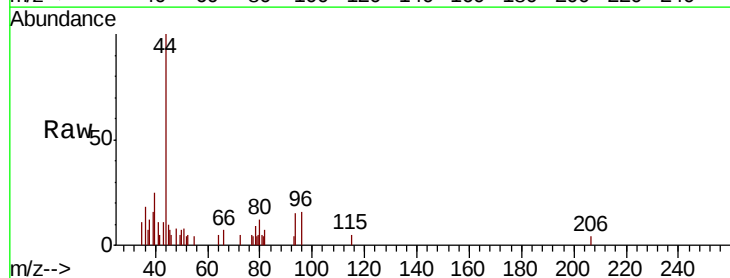
Instrument :
MSVOA_X
ClientSampleId :

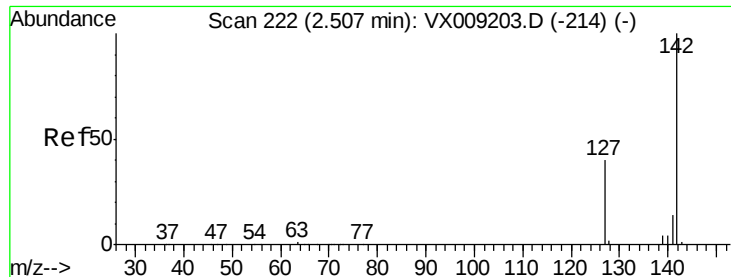
Tot Ion:168 Resp: 171117
Ion Ratio Lower Upper
168 100
99 55.4 42.3 63.5



#5
Bromomethane
Concen: 0.348 ug/l
RT: 1.64 min Scan# 80
Delta R.T. 0.01 min
Lab File: VX009590.D
Acq: 15 May 2019 19:08

Tgt Ion: 94 Resp: 439
Ion Ratio Lower Upper
94 100
96 107.7 73.0 109.6

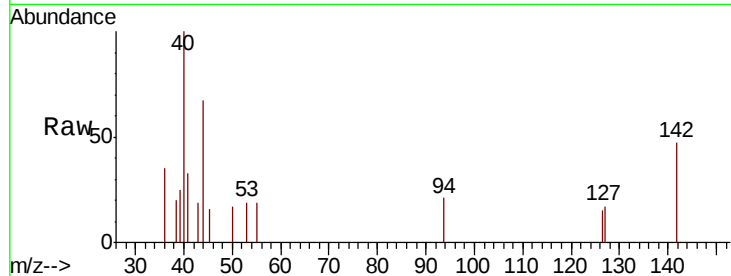




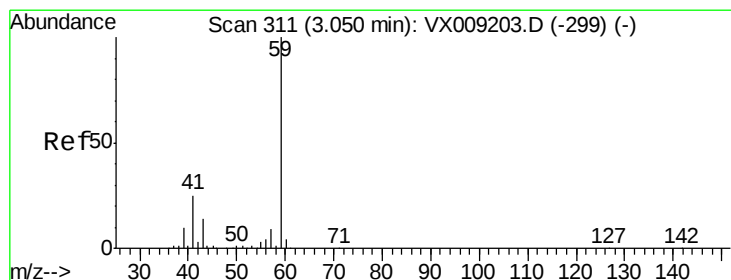
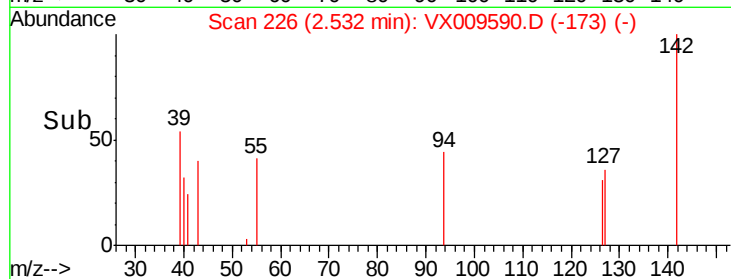
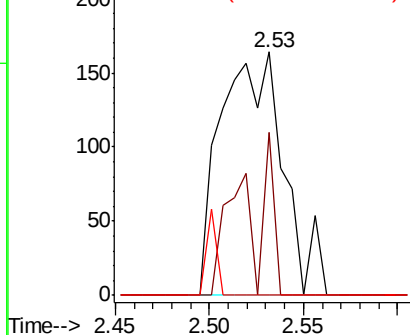
#10
Methvl Iodide
Concen: 4.778 ug/l
RT: 2.53 min Scan# 226
Delta R.T. 0.02 min
Lab File: VX009590.D
Acq: 15 May 2019 19:08

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 377
Ion Ratio Lower Upper
142 100
127 20.2 32.7 49.1#
141 0.0 11.5 17.3#

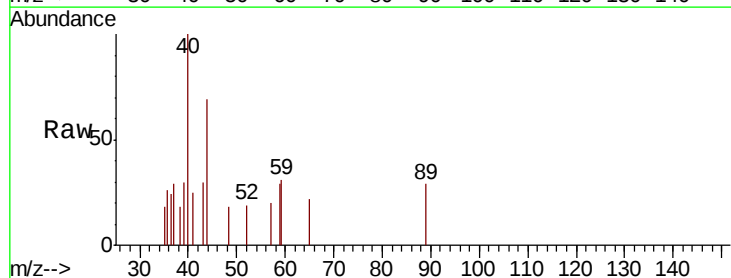


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

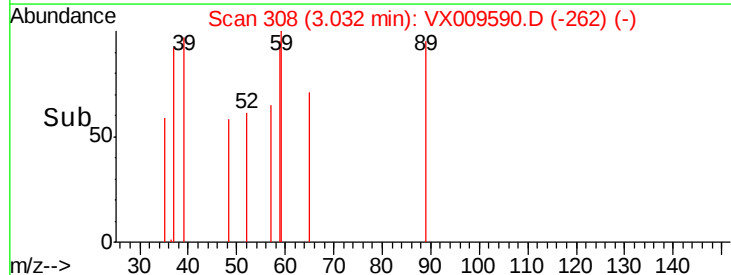
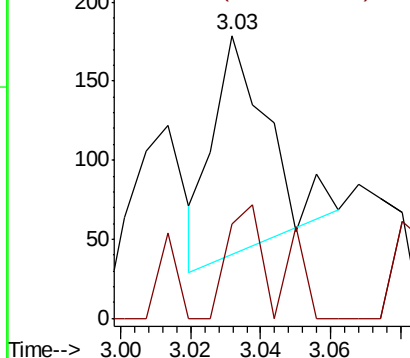


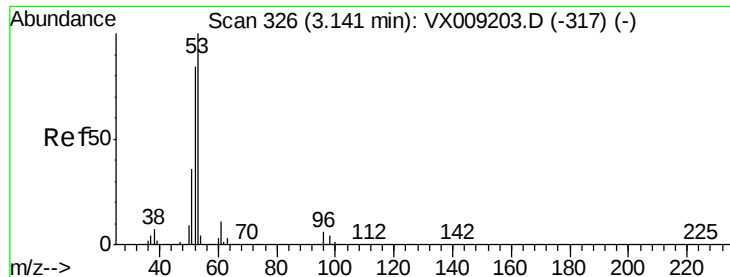
#11
Tert butyl alcohol
Concen: 0.281 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009590.D
Acq: 15 May 2019 19:08

Tgt Ion: 59 Resp: 152
Ion Ratio Lower Upper
59 100
57 46.1 8.2 12.2#



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





#15

Acrylonitrile

Concen: 0.265 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX009590.D

Acq: 15 May 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

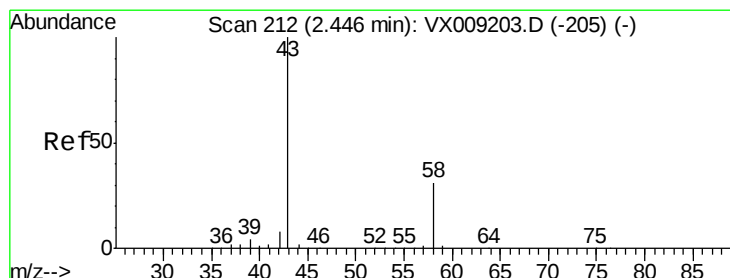
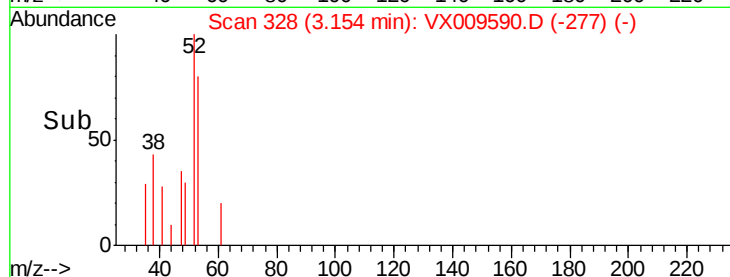
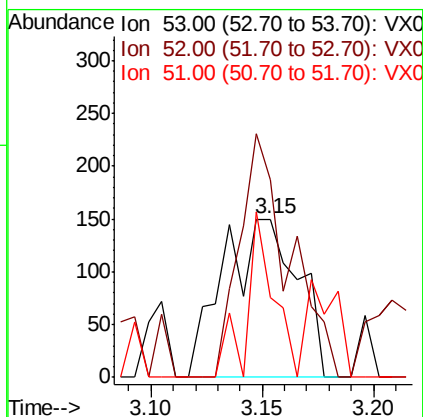
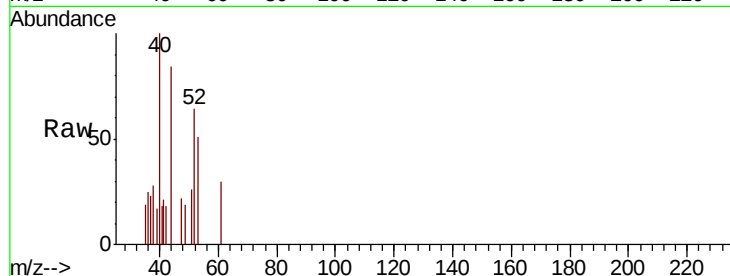
Tot Ion: 53 Resp: 350

Ion Ratio Lower Upper

53 100

52 102.6 66.9 100.3#

51 37.4 28.2 42.2



#16

Acetone

Concen: 2.044 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009590.D

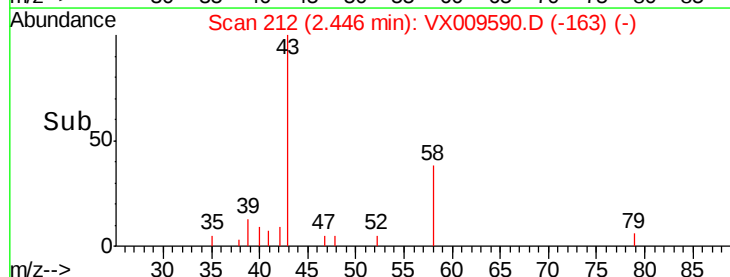
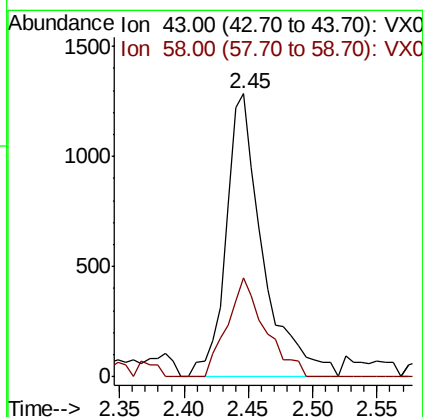
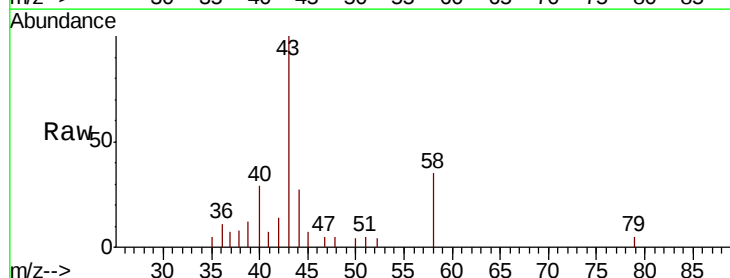
Acq: 15 May 2019 19:08

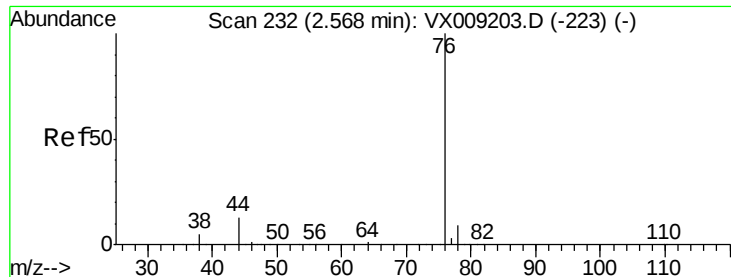
Tgt Ion: 43 Resp: 2564

Ion Ratio Lower Upper

43 100

58 35.2 24.9 37.3





#17

Carbon Disulfide

Concen: 0.217 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009590.D

Acq: 15 May 2019 19:08

Instrument :

MSVOA_X

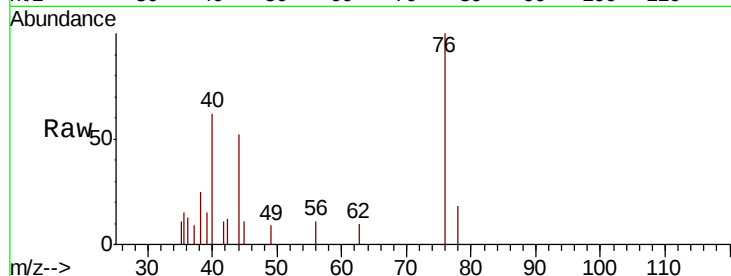
ClientSampleId :

Tot Ion: 76 Resp: 976

Ion Ratio Lower Upper

76 100

78 17.7 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

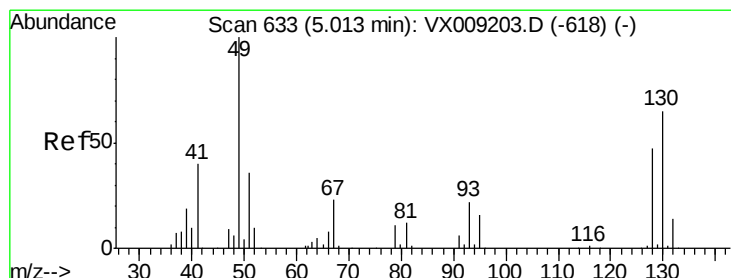
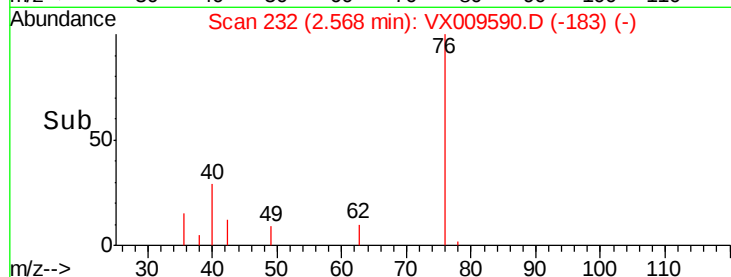
600

400

200

0

Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.02 min

Lab File: VX009590.D

Acq: 15 May 2019 19:08

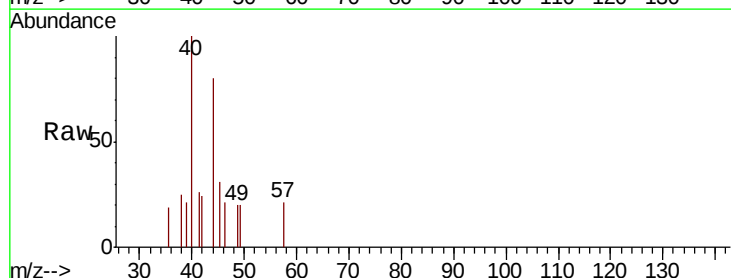
Tgt Ion: 49 Resp: 180

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

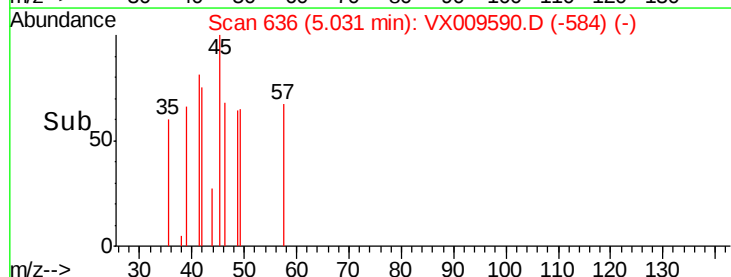
150

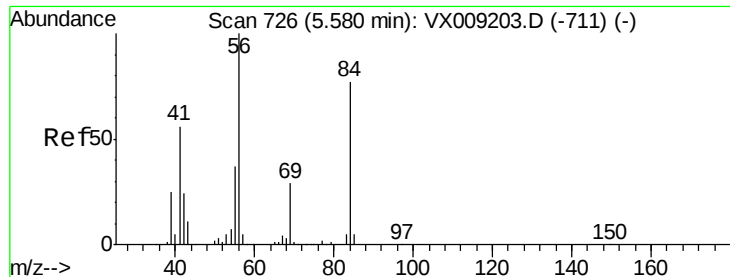
100

50

0

Time-->

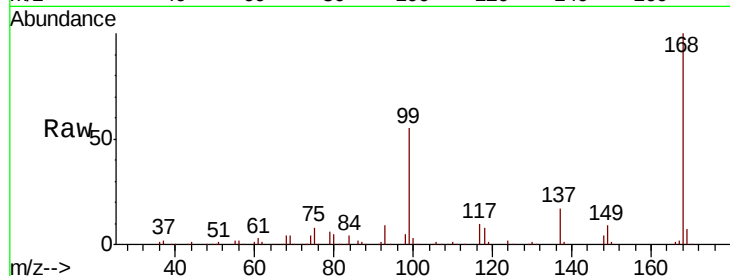




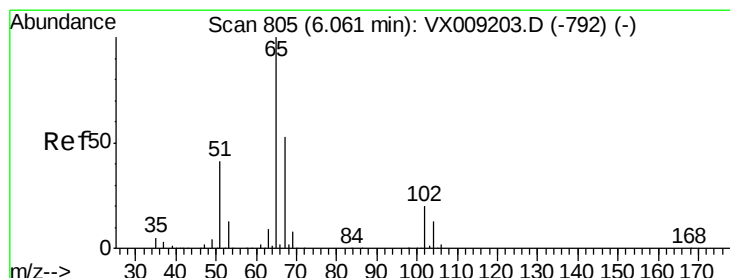
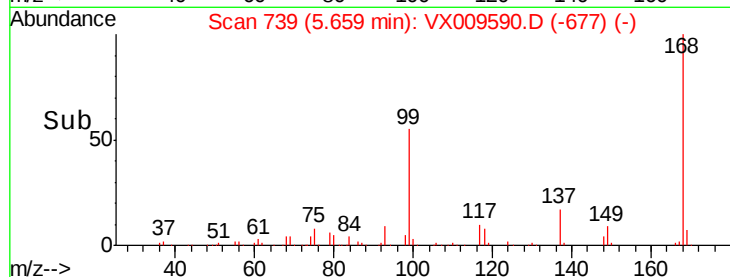
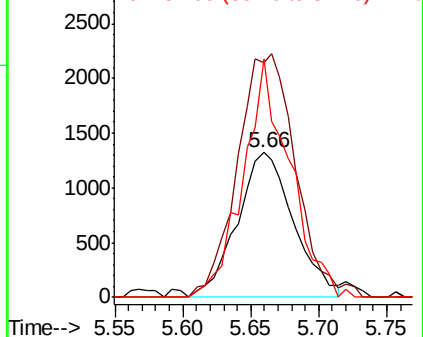
#31
Cyclohexane
Concen: 1.111 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009590.D
Acq: 15 May 2019 19:08

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 3837
Ion Ratio Lower Upper
56 100
69 162.3 23.4 35.0#
84 164.9 61.9 92.9#

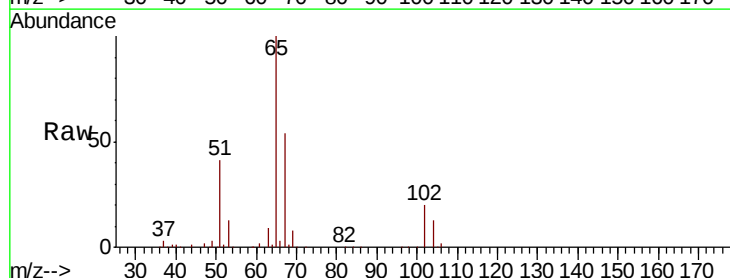


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

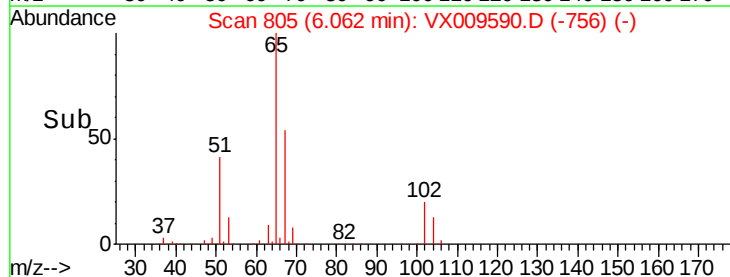
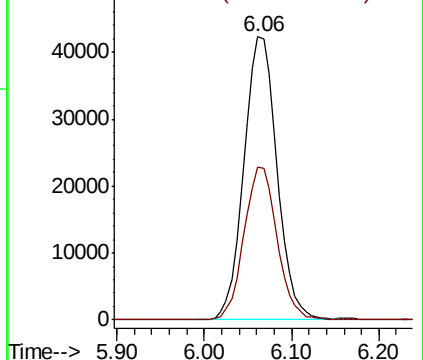


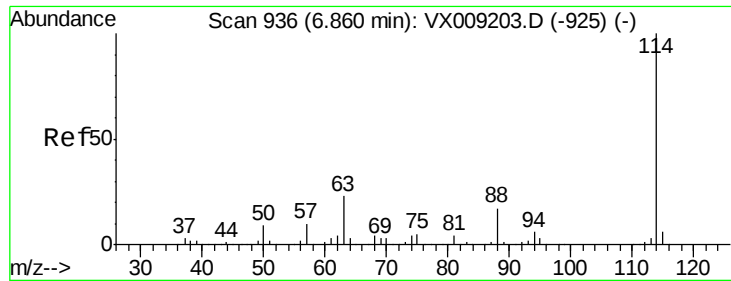
#33
1,2-Dichloroethane-d4
Concen: 47.804 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009590.D
Acq: 15 May 2019 19:08

Tgt Ion: 65 Resp: 111667
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

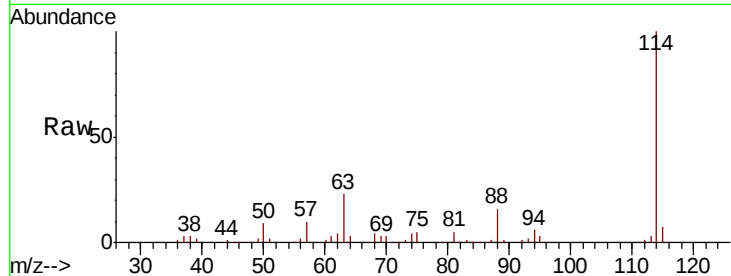




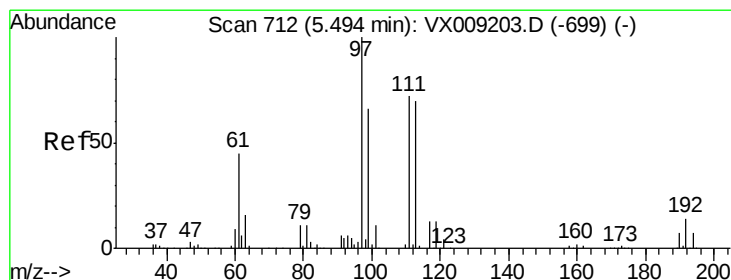
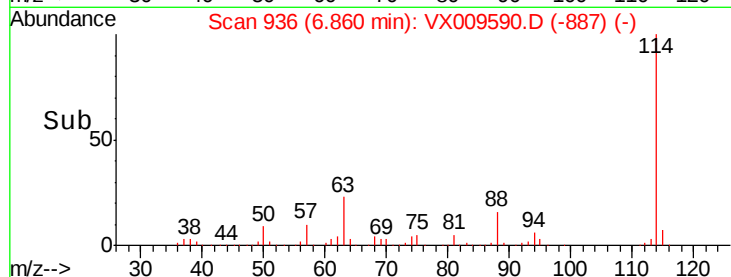
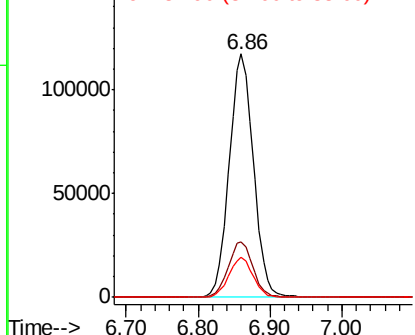
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009590.D
 Acq: 15 May 2019 19:08

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 274347
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.6
 88 16.3 0.0 33.2

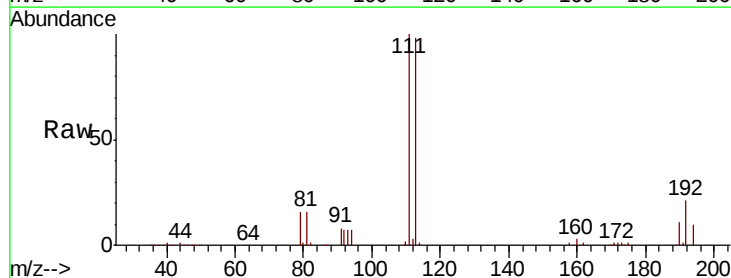


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

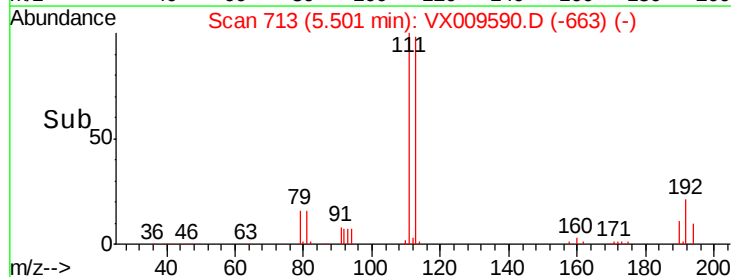
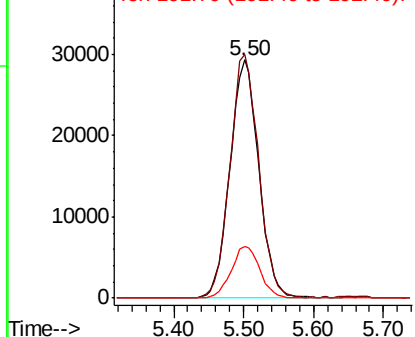


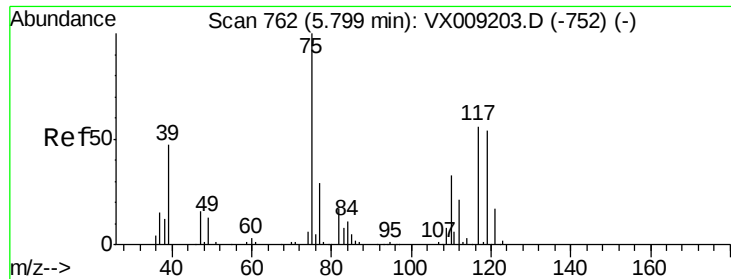
#35
 Dibromofluoromethane
 Concen: 48.562 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009590.D
 Acq: 15 May 2019 19:08

Tgt Ion:113 Resp: 83753
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.8 124.2
 192 21.7 17.0 25.6



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

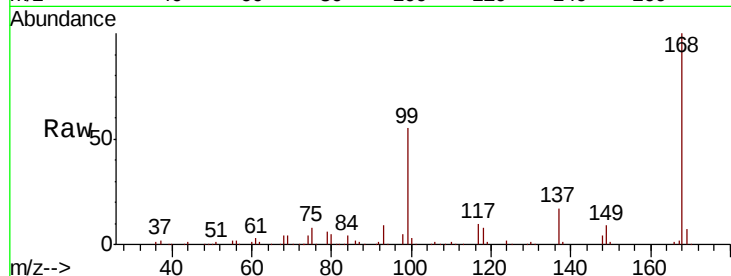




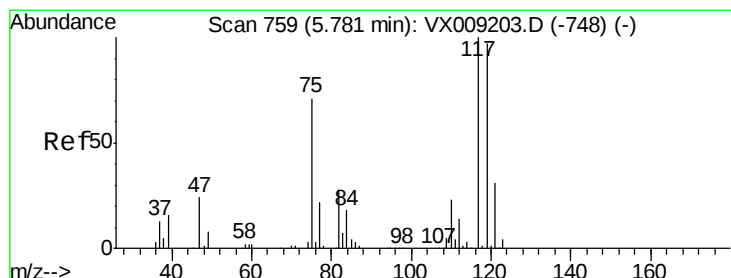
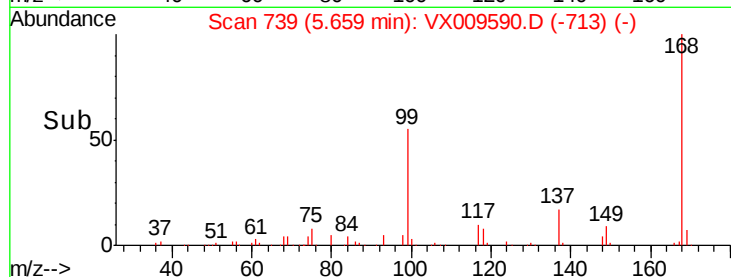
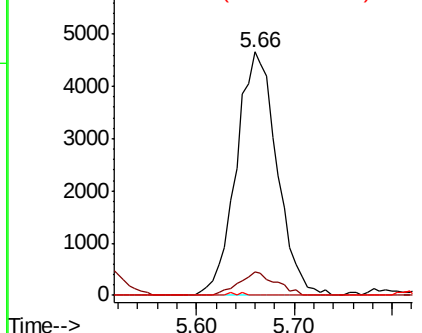
#36
 1,1-Dichloropropene
 Concen: 5.272 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009590.D
 Acq: 15 May 2019 19:08

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.9	50.6#
77	0.0	24.8	37.2#

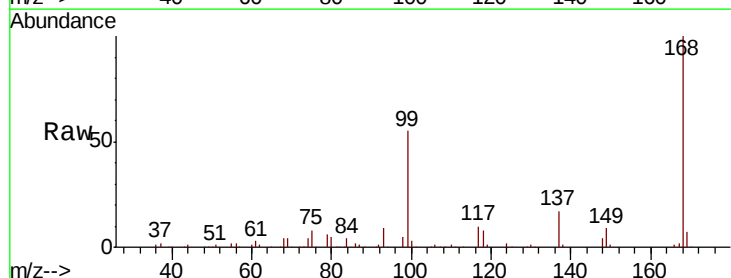


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

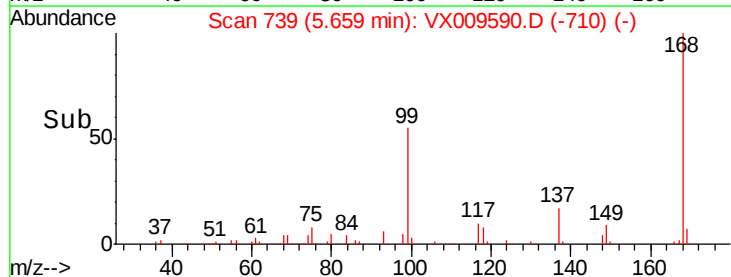
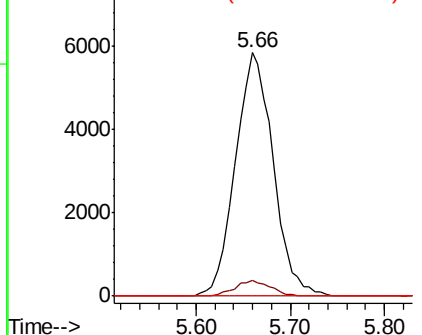


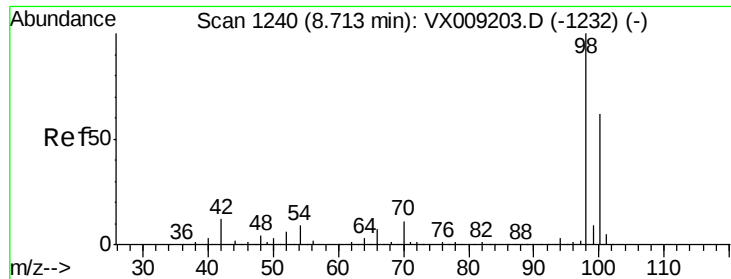
#38
 Carbon Tetrachloride
 Concen: 7.042 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009590.D
 Acq: 15 May 2019 19:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.5	116.3#
121	0.0	24.7	37.1#



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





#50

Toluene-d8

Concen: 48.822 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009590.D

Acq: 15 May 2019 19:08

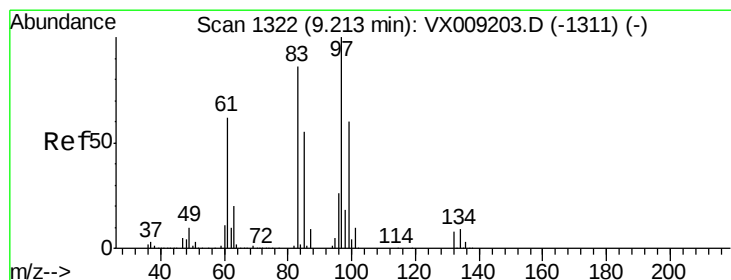
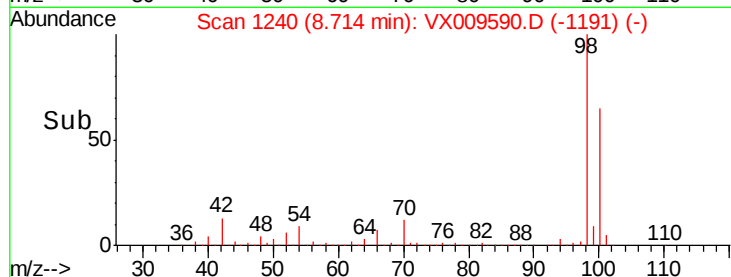
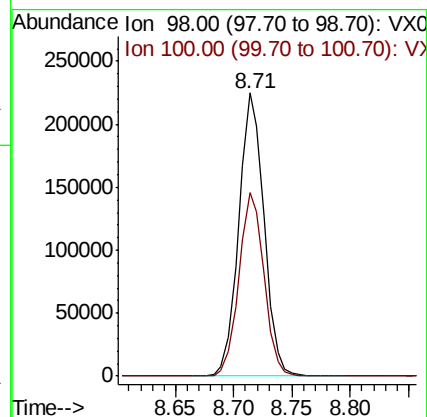
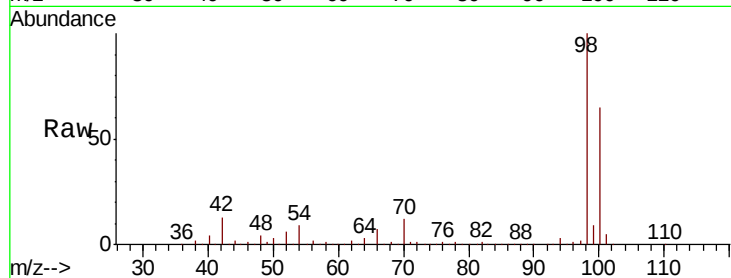
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 98 Resp: 339940

Ion Ratio Lower Upper

98 100

100 64.6 51.2 76.8



#55

1,1,2-Trichloroethane

Concen: 0.445 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX009590.D

Acq: 15 May 2019 19:08

Tgt Ion: 97 Resp: 870

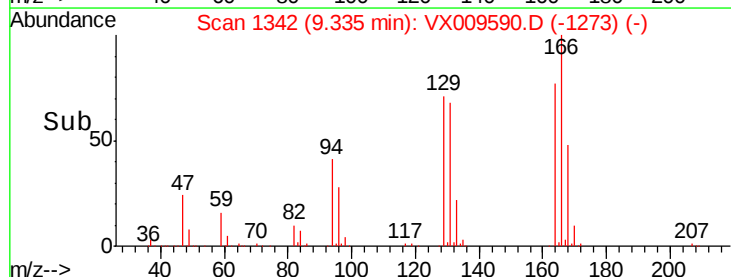
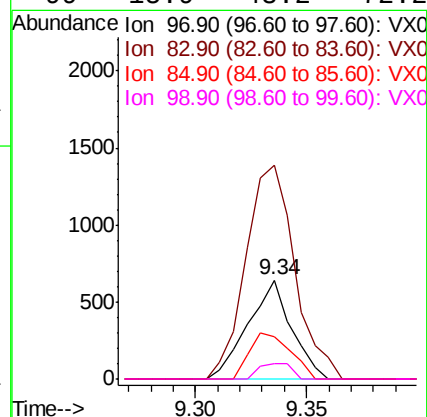
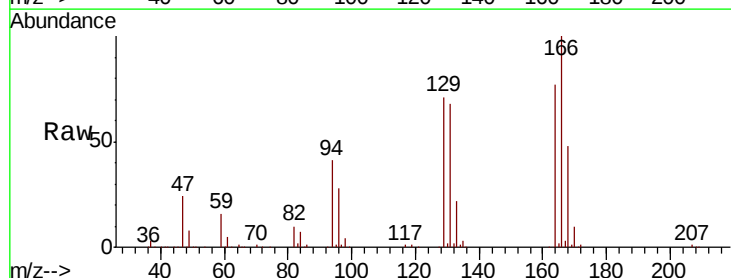
Ion Ratio Lower Upper

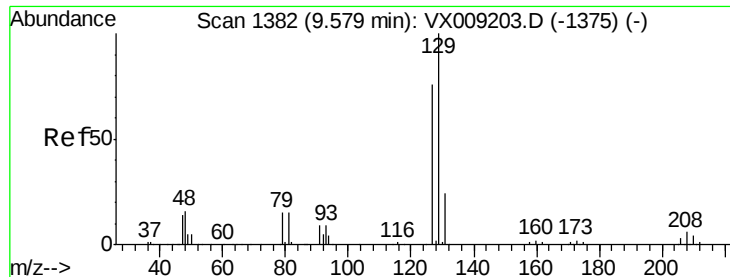
97 100

83 216.0 68.9 103.3#

85 42.2 43.8 65.6#

99 15.9 48.2 72.2#

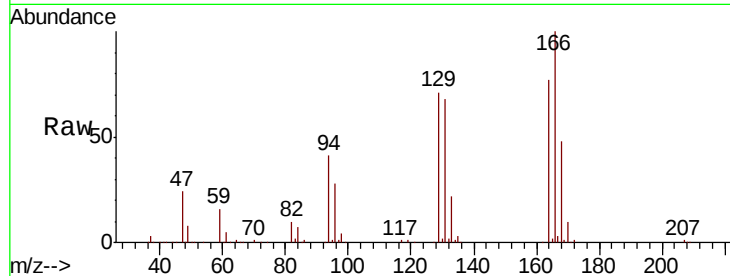




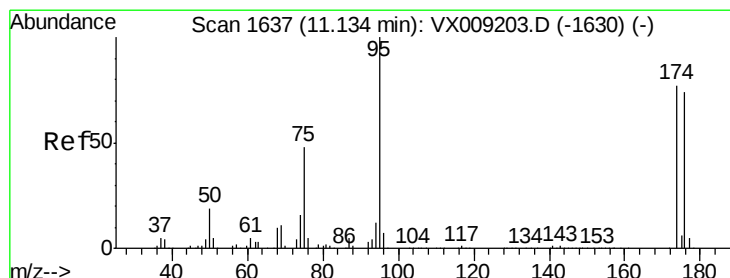
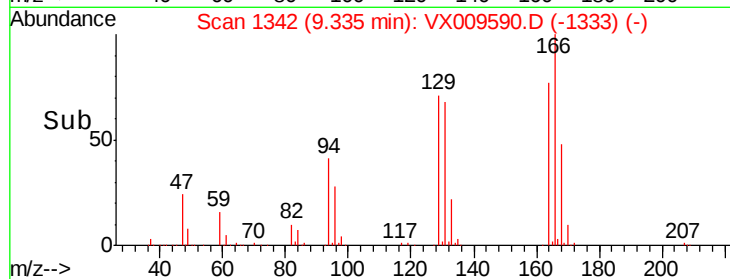
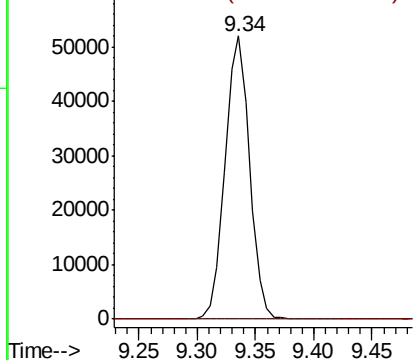
#60
Dibromochloromethane
Concen: 39.672 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX009590.D
Acq: 15 May 2019 19:08

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 75820
Ion Ratio Lower Upper
129 100
127 0.1 38.4 115.1#

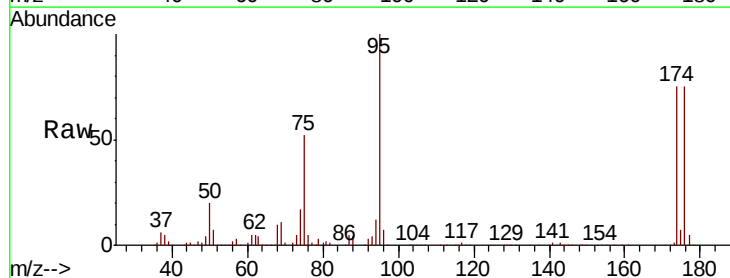


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

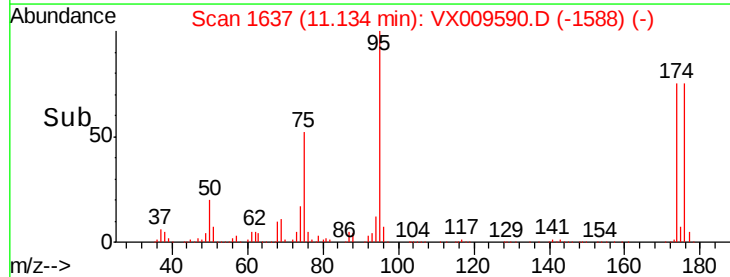
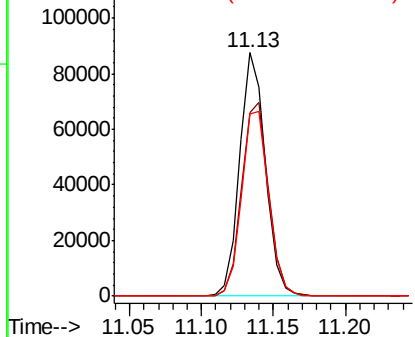


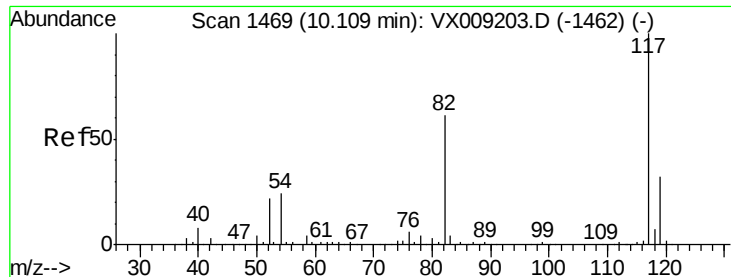
#62
4-Bromofluorobenzene
Concen: 42.935 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009590.D
Acq: 15 May 2019 19:08

Tgt Ion: 95 Resp: 108626
Ion Ratio Lower Upper
95 100
174 83.5 0.0 161.6
176 79.9 0.0 159.2



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

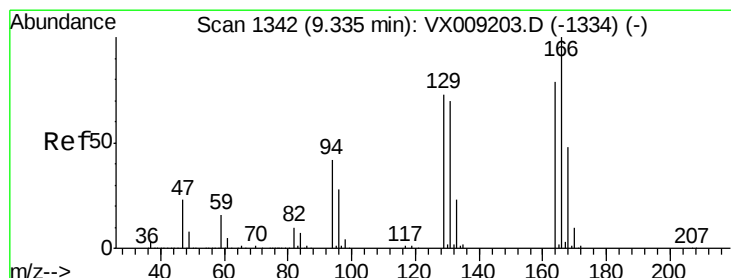
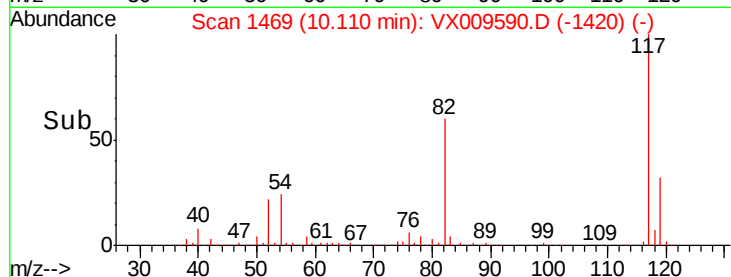
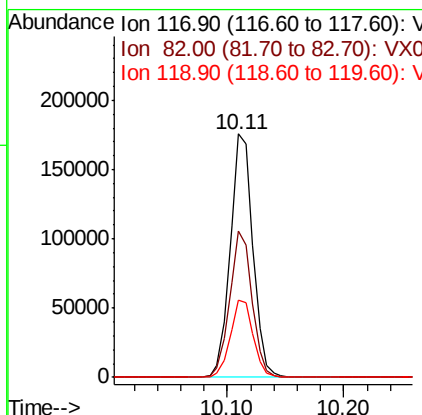
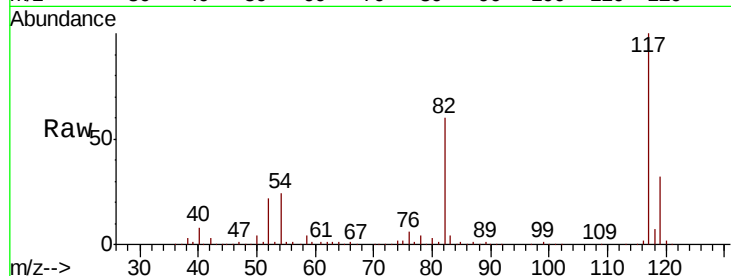




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009590.D
Acq: 15 May 2019 19:08

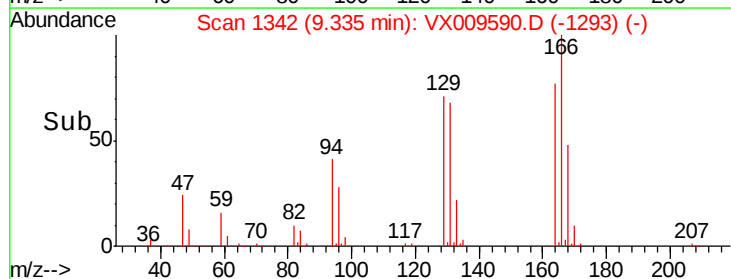
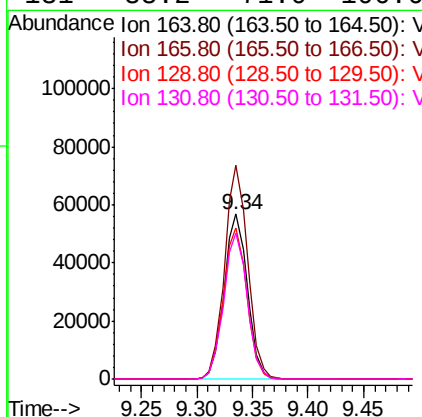
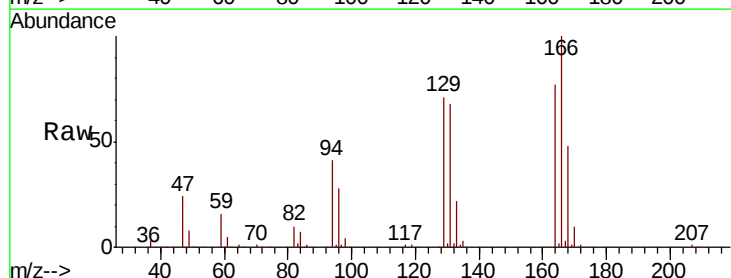
Instrument :
MSVOA_X
ClientSampled :

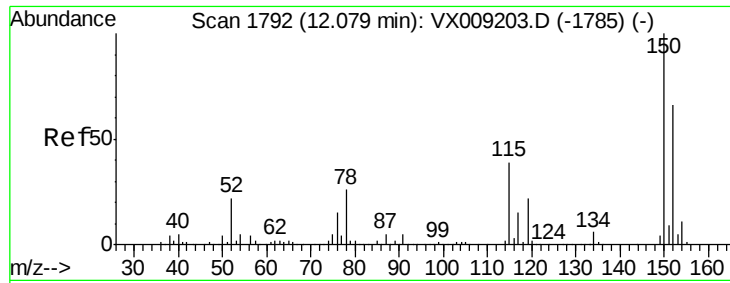
Tot Ion:117 Resp: 237957
Ion Ratio Lower Upper
117 100
82 59.8 48.8 73.2
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 50.214 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009590.D
Acq: 15 May 2019 19:08

Tgt Ion:164 Resp: 81964
Ion Ratio Lower Upper
164 100
166 129.4 101.2 151.8
129 91.5 74.3 111.5
131 88.2 71.0 106.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009590.D

Acq: 15 May 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

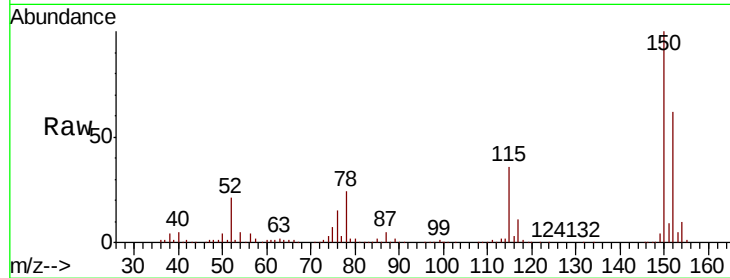
Tot Ion:152 Resp: 95888

Ion Ratio Lower Upper

152 100

115 59.7 41.2 123.6

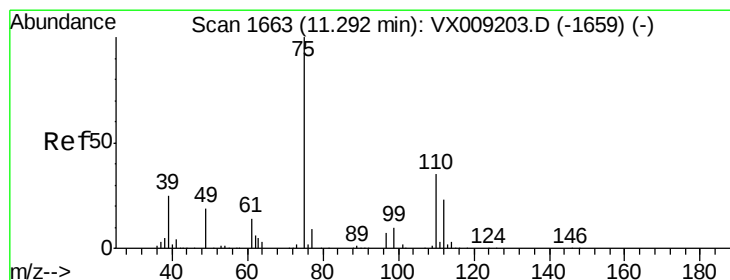
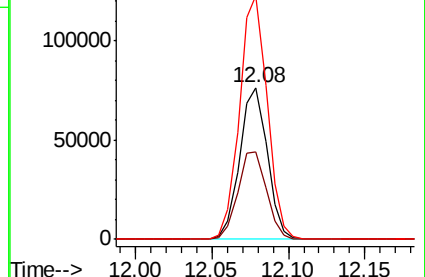
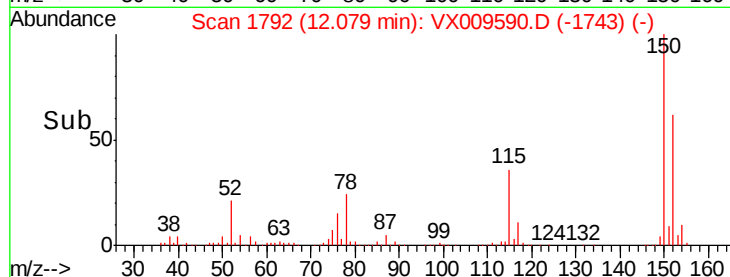
150 160.2 0.0 346.4



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: 25.231 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009590.D

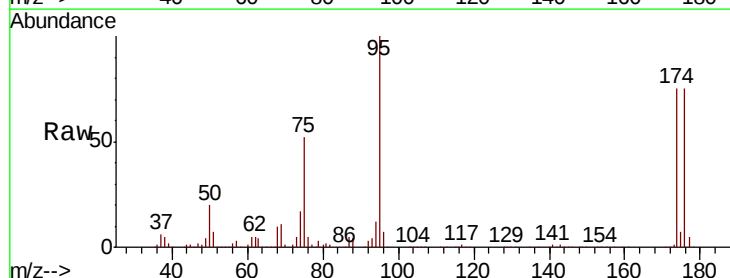
Acq: 15 May 2019 19:08

Tgt Ion: 75 Resp: 56121

Ion Ratio Lower Upper

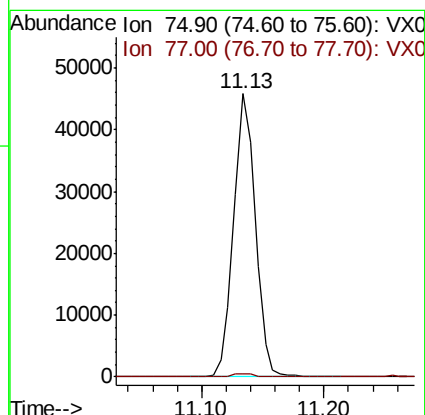
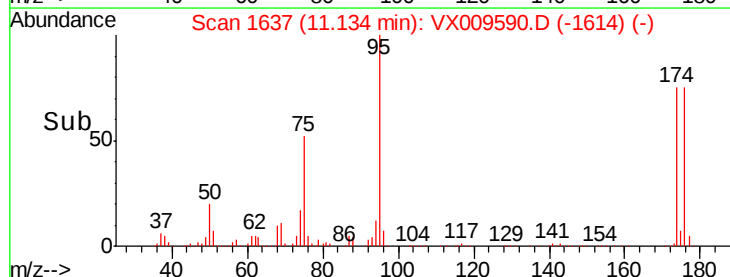
75 100

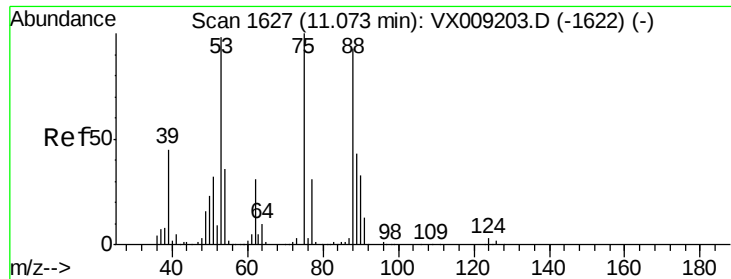
77 1.2 22.1 66.1#



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: 64.558 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009590.D

Acq: 15 May 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 56121

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.1 34.7 52.1#

