

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009434.D
 Acq On : 09 May 2019 17:44
 Operator : JC/SP
 Sample : K2786-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:08:24 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	184853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	297637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109987	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	120268	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
35) Dibromofluoromethane	5.50	113	91221	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	8.71	98	372286	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.13	95	122883	44.77	ug/l	0.00
Spiked Amount			Recovery	=	89.54%	

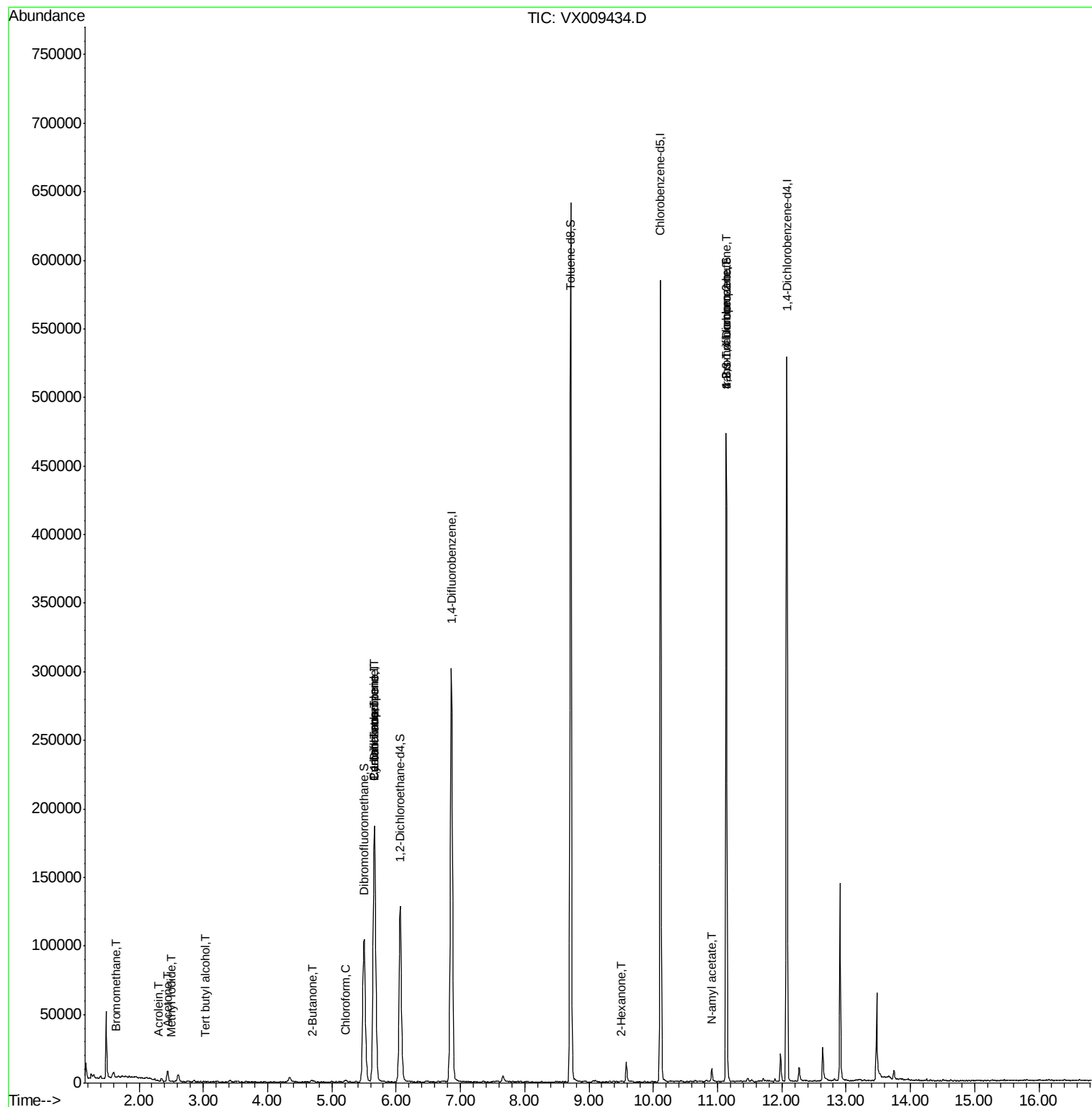
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	288	0.212	ug/l	92
10) Methyl Iodide	2.51	142	50	4.616	ug/l #	1
11) Tert butyl alcohol	3.03	59	269	0.461	ug/l #	78
13) Acrolein	2.29	56	312	0.590	ug/l #	42
16) Acetone	2.44	43	8908	6.574	ug/l	95
25) 2-Butanone	4.68	43	2076	0.986	ug/l #	79
28) Bromochloromethane	5.00	49	77	Below Cal	#	20
30) Chloroform	5.21	83	1283	0.354	ug/l	96
31) Cyclohexane	5.66	56	3786	1.015	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14234	5.146	ug/l #	51
38) Carbon Tetrachloride	5.67	117	16977	6.755	ug/l #	16
59) 2-Hexanone	9.50	43	718	0.227	ug/l	92
74) N-amyl acetate	10.91	43	1621	0.348	ug/l #	13
76) 1,2,3-Trichloropropane	11.13	75	62588	24.532	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62588	62.768	ug/l #	10

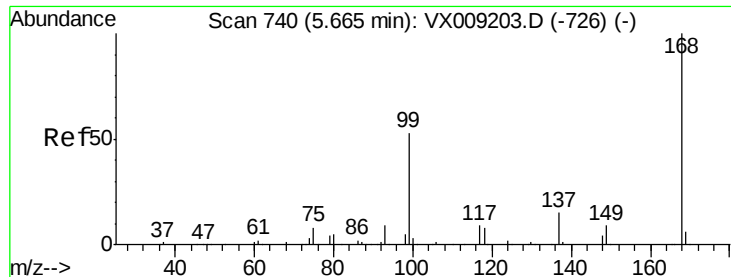
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009434.D

Acq: 09 May 2019 17:44

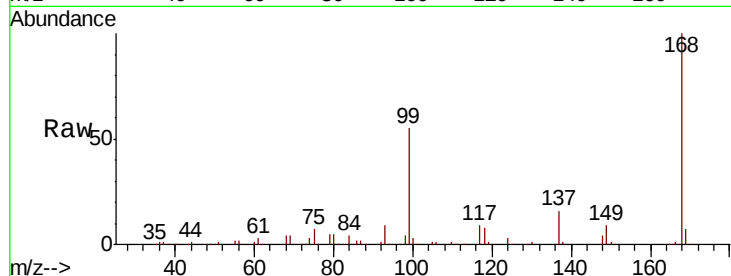
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 184853

Ion Ratio Lower Upper

168 100

99 55.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

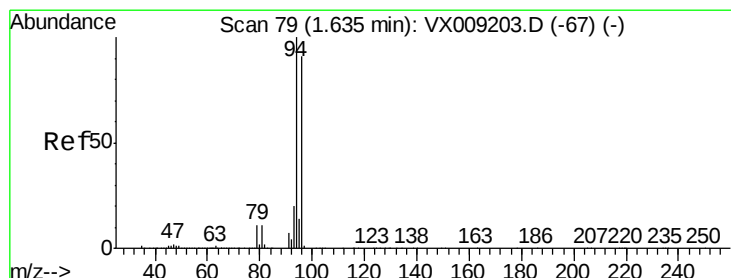
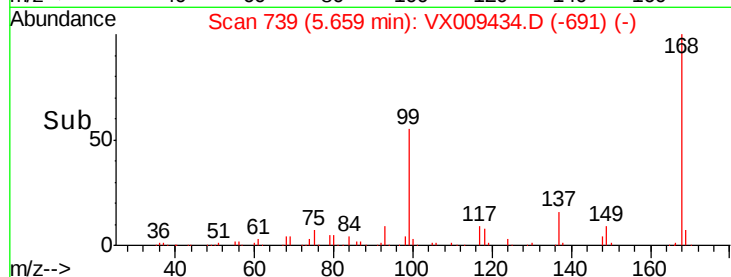
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.212 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009434.D

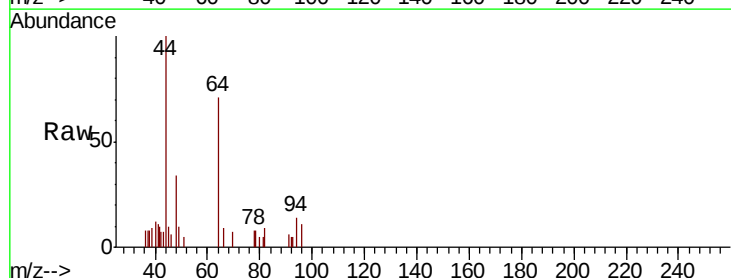
Acq: 09 May 2019 17:44

Tgt Ion: 94 Resp: 288

Ion Ratio Lower Upper

94 100

96 84.1 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

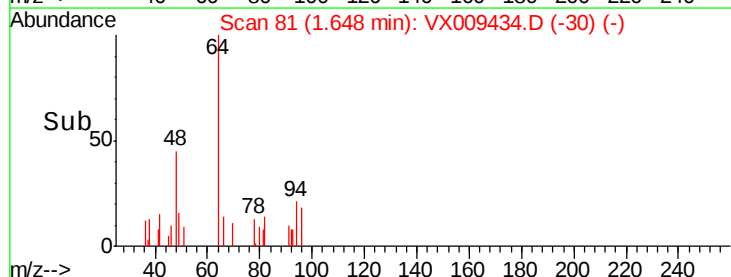
150

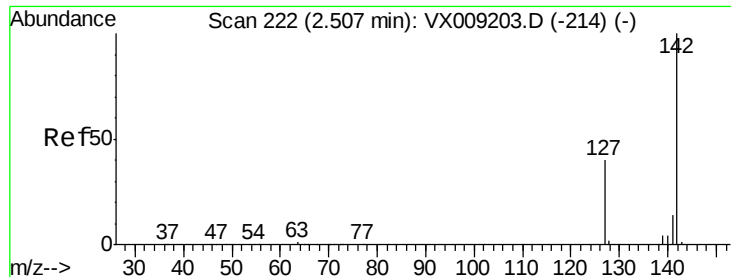
100

50

0

Time--> 1.60 1.65 1.70

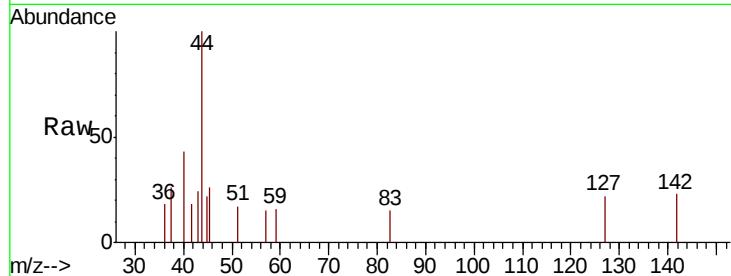




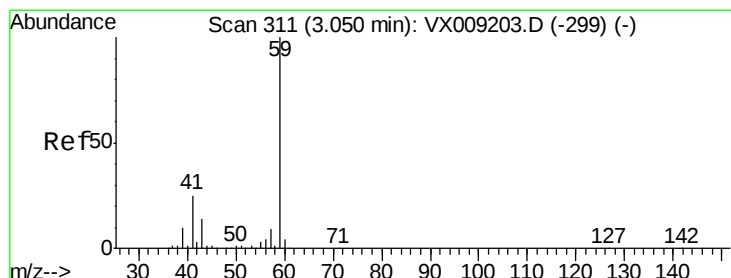
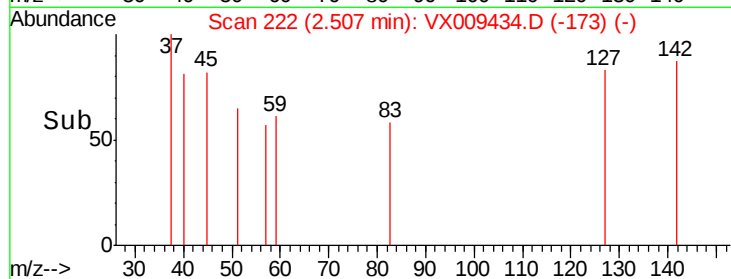
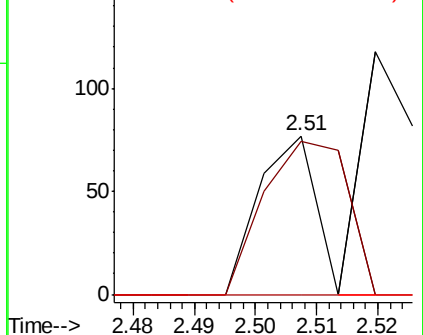
#10
Methyl Iodide
Concen: 4.616 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009434.D
Acq: 09 May 2019 17:44

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 50
Ion Ratio Lower Upper
142 100
127 142.0 32.7 49.1#
141 0.0 11.5 17.3#

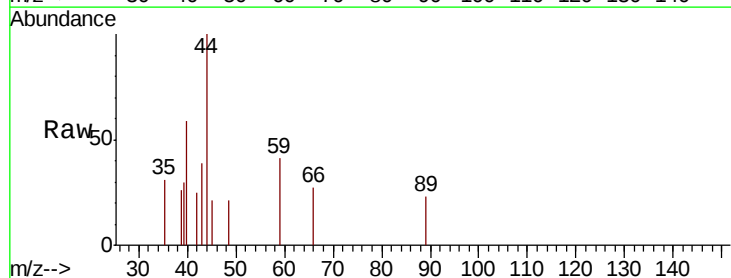


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

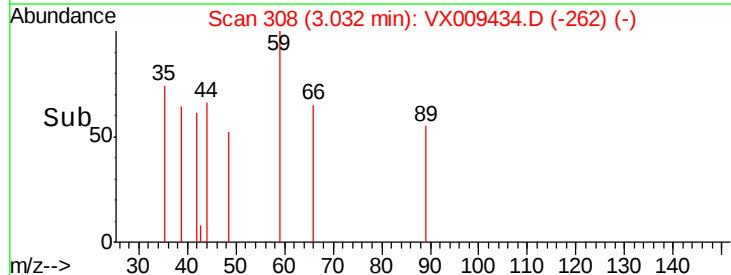
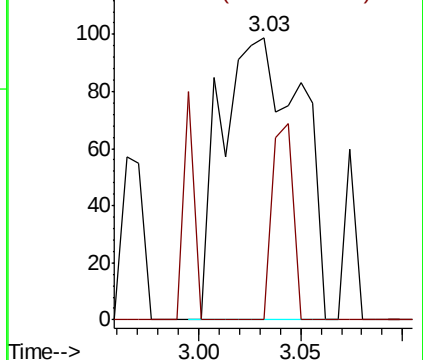


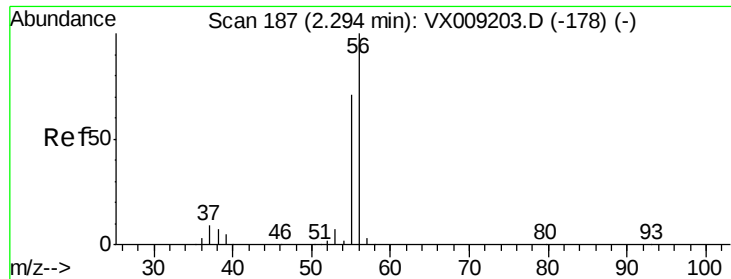
#11
Tert butyl alcohol
Concen: 0.461 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009434.D
Acq: 09 May 2019 17:44

Tgt Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 18.2 8.2 12.2#



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





#13

Acrolein

Concen: 0.590 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009434.D

Acq: 09 May 2019 17:44

Instrument :

MSVOA_X

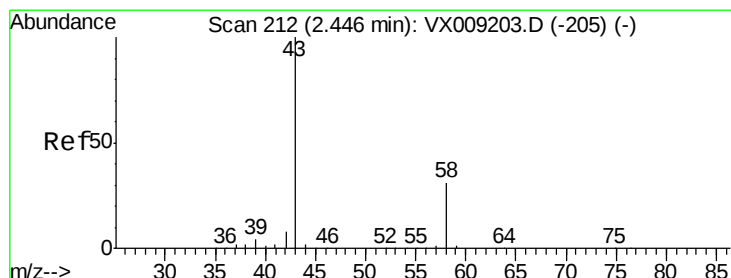
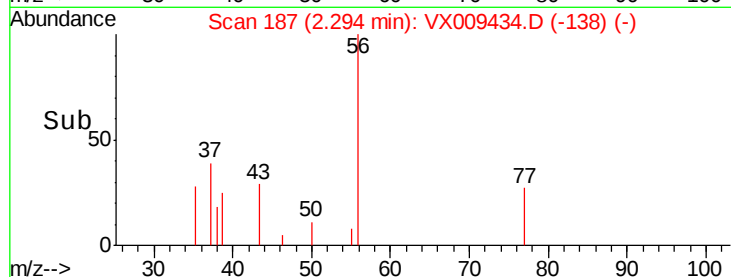
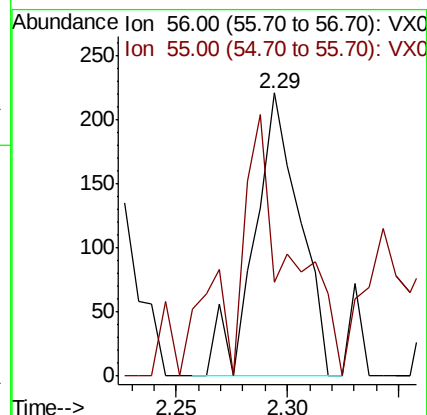
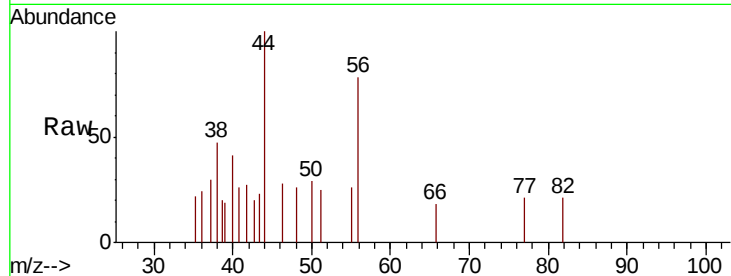
ClientSampleId :

Tot Ion: 56 Resp: 312

Ion Ratio Lower Upper

56 100

55 118.9 56.6 85.0#



#16

Acetone

Concen: 6.574 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009434.D

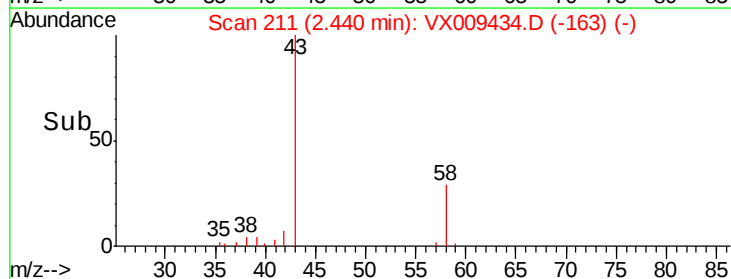
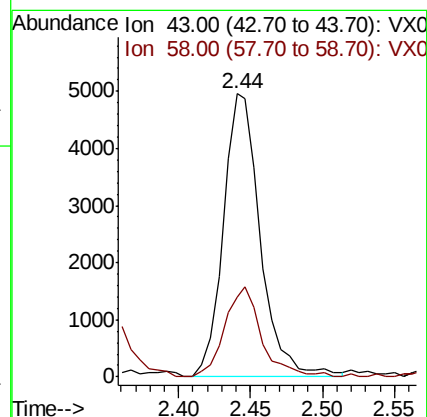
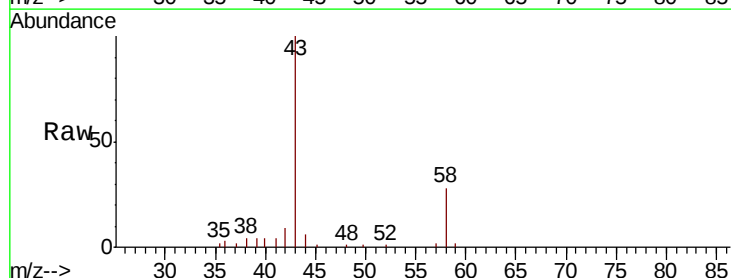
Acq: 09 May 2019 17:44

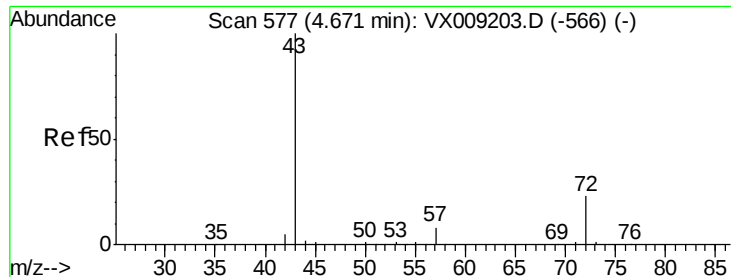
Tgt Ion: 43 Resp: 8908

Ion Ratio Lower Upper

43 100

58 28.4 24.9 37.3





#25

2-Butanone

Concen: 0.986 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009434.D

Acq: 09 May 2019 17:44

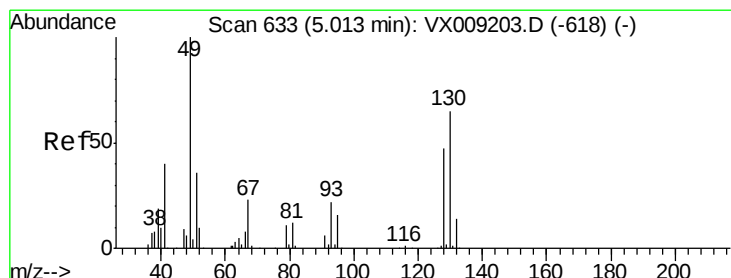
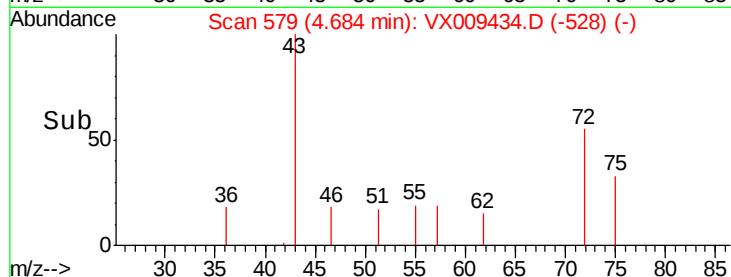
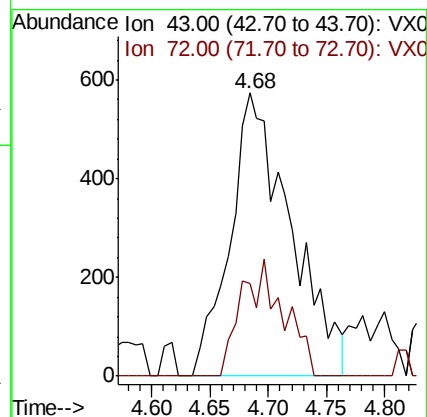
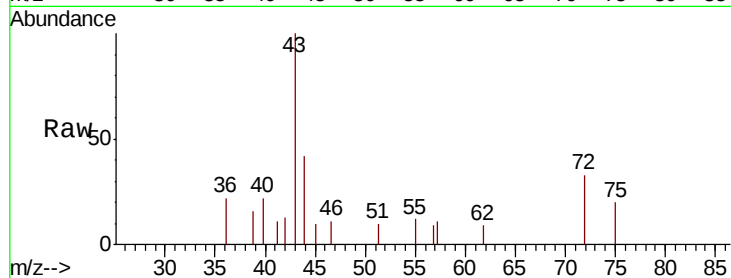
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 2076

Ion Ratio Lower Upper

43 100

72 32.8 18.2 27.2#



#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009434.D

Acq: 09 May 2019 17:44

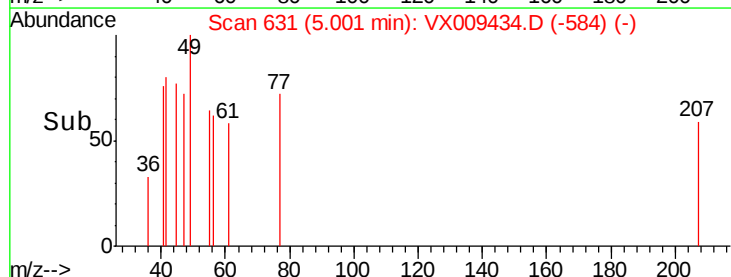
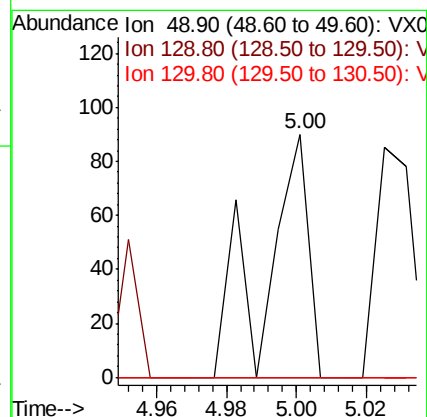
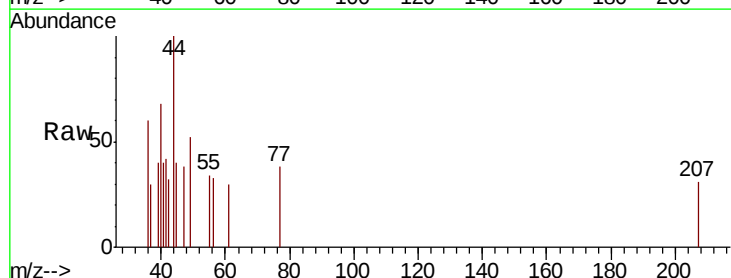
Tgt Ion: 49 Resp: 77

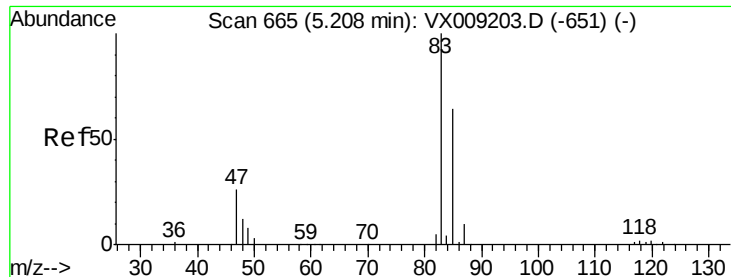
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#

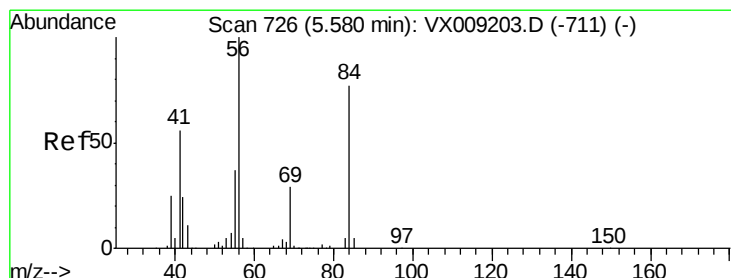
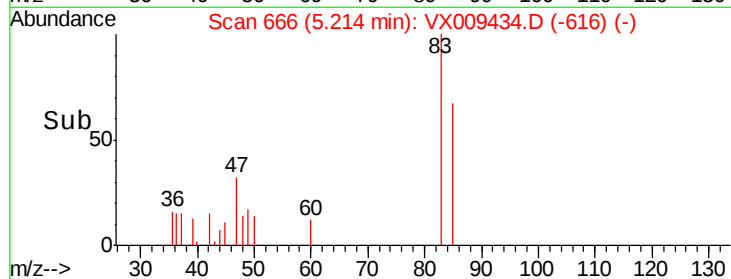
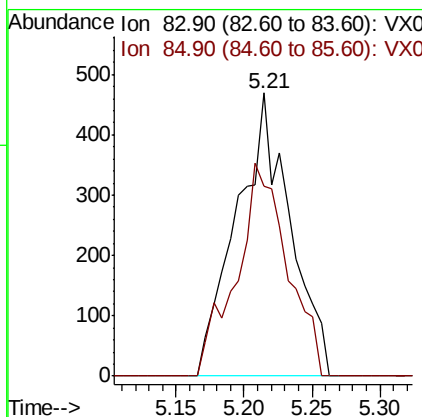
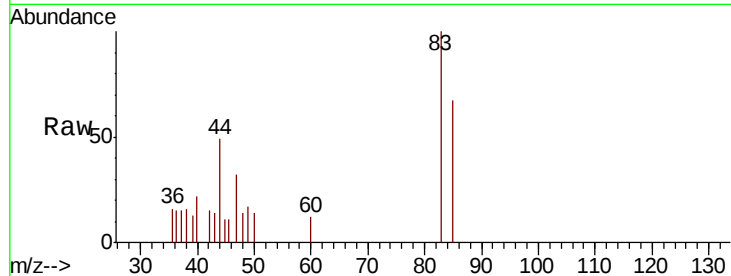




#30
Chloroform
Concen: 0.354 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009434.D
Acq: 09 May 2019 17:44

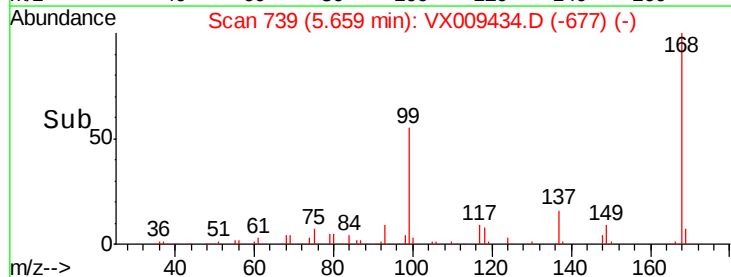
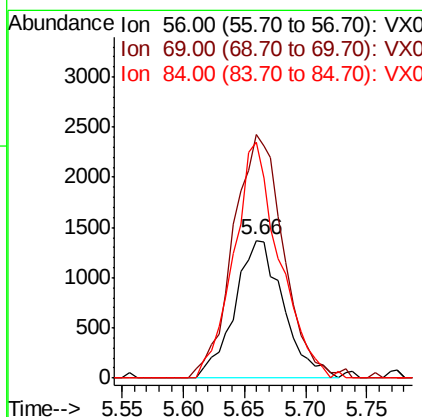
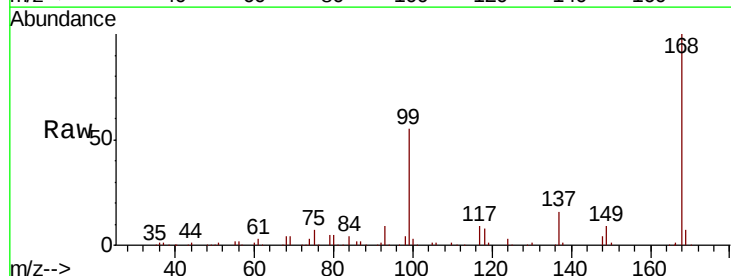
Instrument :
MSVOA_X
ClientSampled :

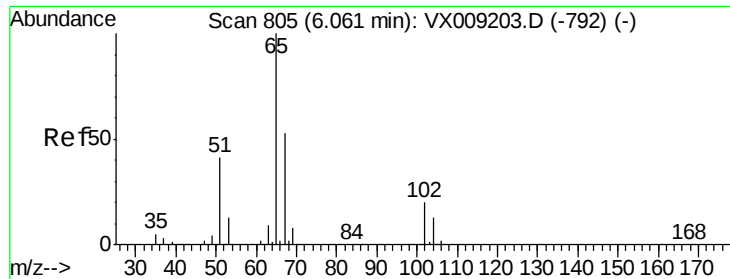
Tot Ion: 83 Resp: 1283
Ion Ratio Lower Upper
83 100
85 67.2 51.5 77.3



#31
Cyclohexane
Concen: 1.015 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009434.D
Acq: 09 May 2019 17:44

Tgt Ion: 56 Resp: 3786
Ion Ratio Lower Upper
56 100
69 176.6 23.4 35.0#
84 171.0 61.9 92.9#





#33

1,2-Dichloroethane-d4

Concen: 47.660 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009434.D

Acq: 09 May 2019 17:44

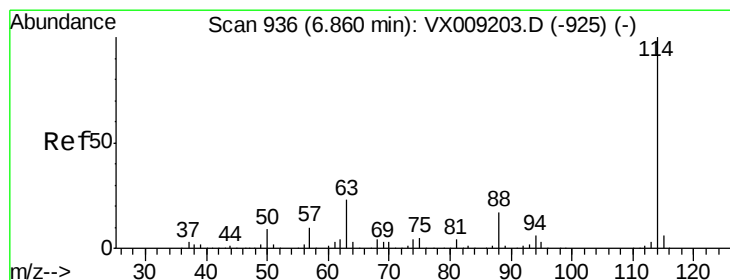
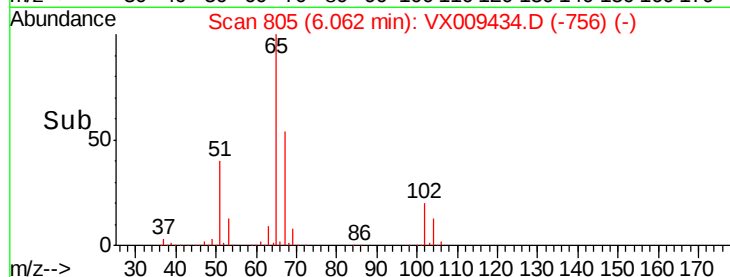
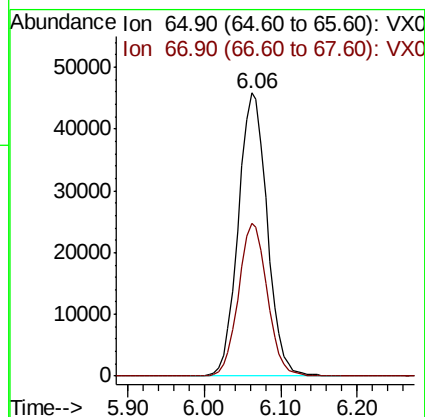
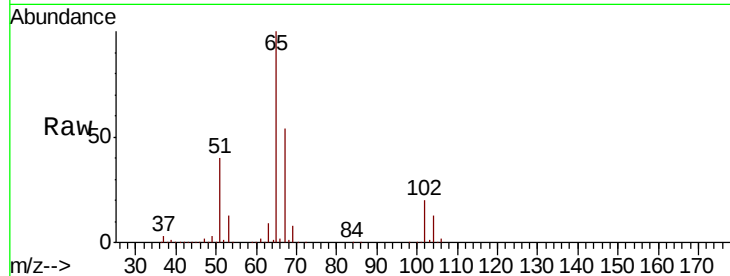
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 65 Resp: 120268

Ion Ratio Lower Upper

65 100

67 53.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009434.D

Acq: 09 May 2019 17:44

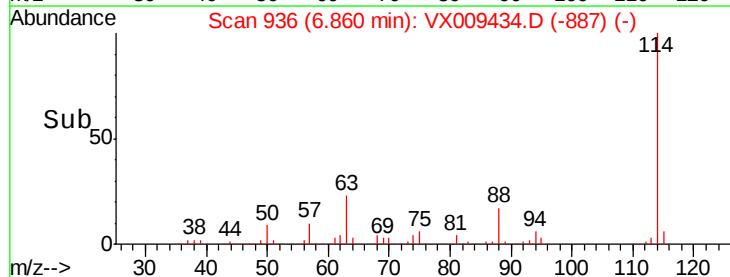
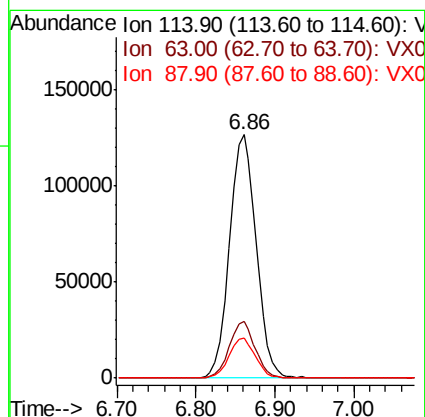
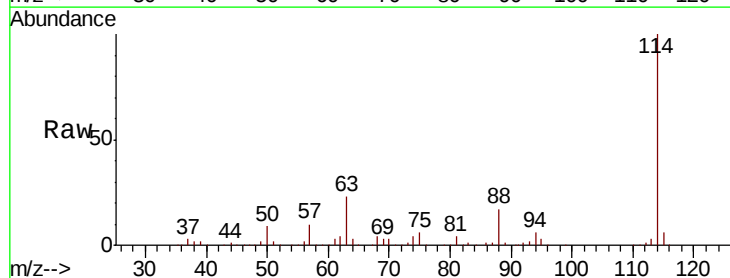
Tgt Ion: 114 Resp: 297637

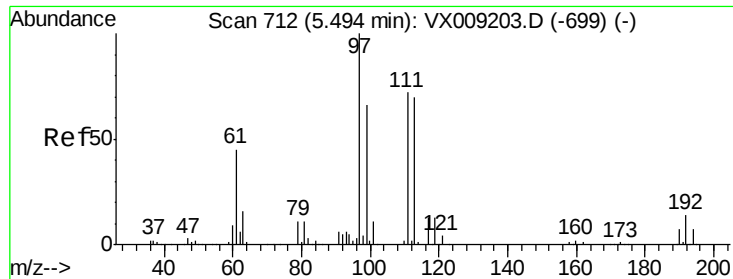
Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.6

88 16.6 0.0 33.2

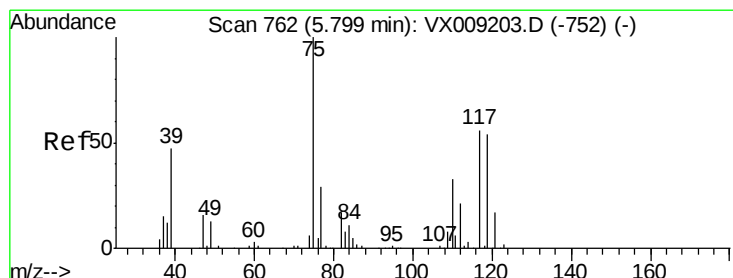
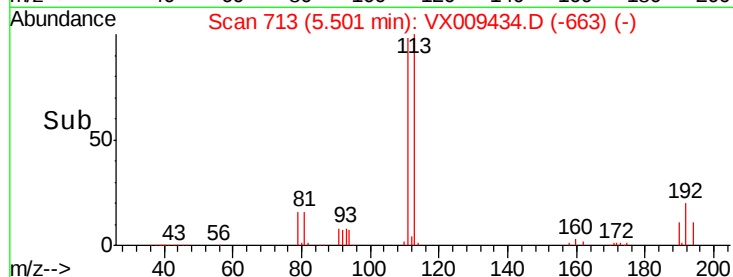
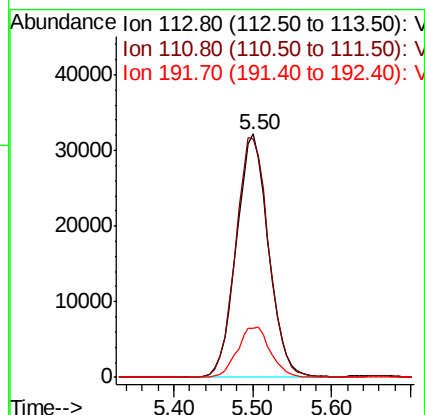
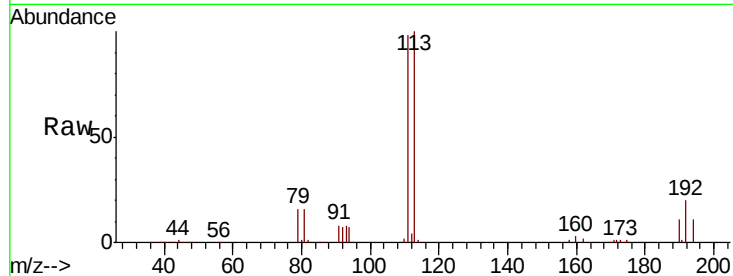




#35
 Dibromofluoromethane
 Concen: 48.754 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009434.D
 Acq: 09 May 2019 17:44

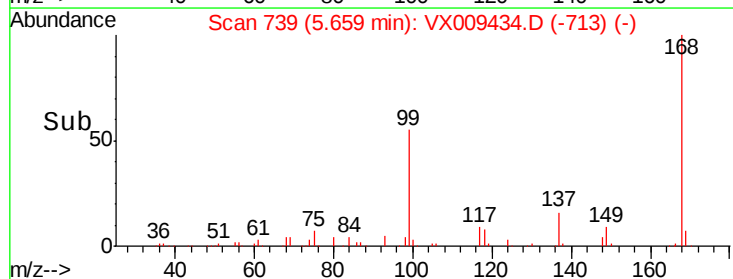
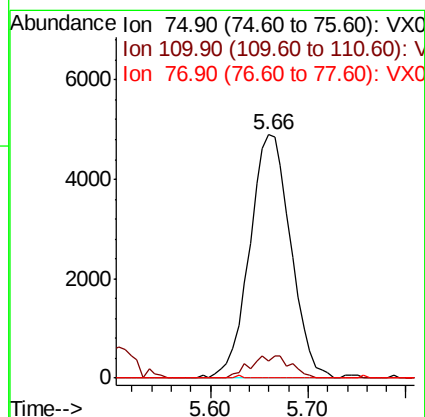
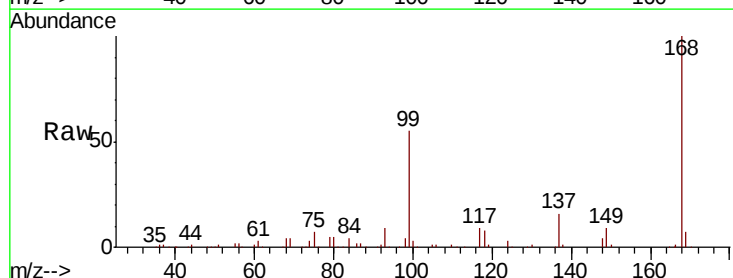
Instrument :
 MSVOA_X
 ClientSampleId :

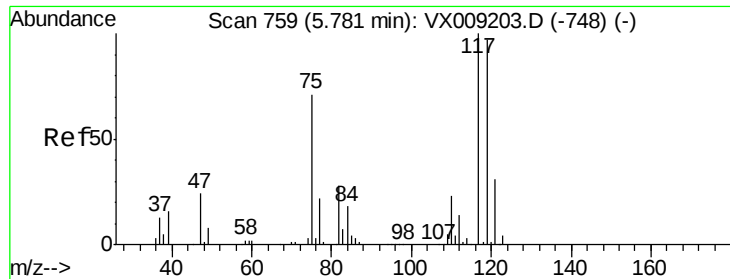
Tot Ion:113 Resp: 91221
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.8 124.2
 192 21.2 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.146 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009434.D
 Acq: 09 May 2019 17:44

Tgt Ion: 75 Resp: 14234
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.6#
 77 0.0 24.8 37.2#

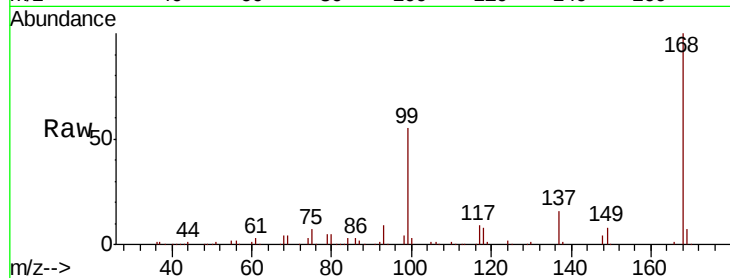




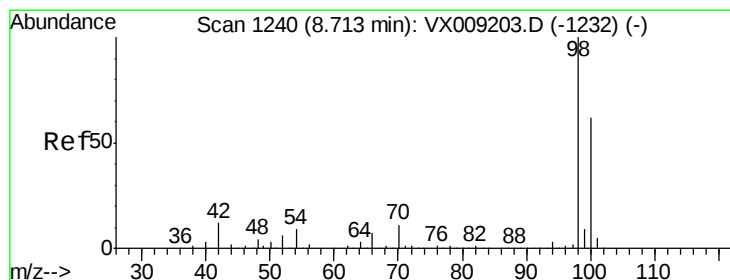
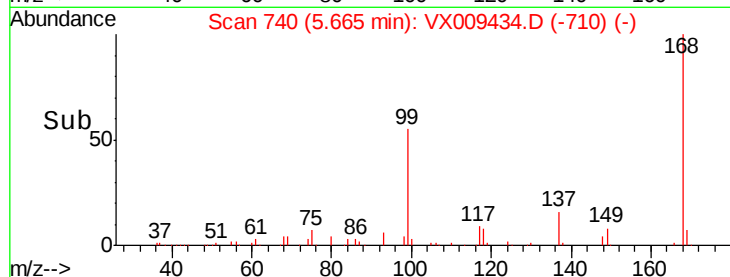
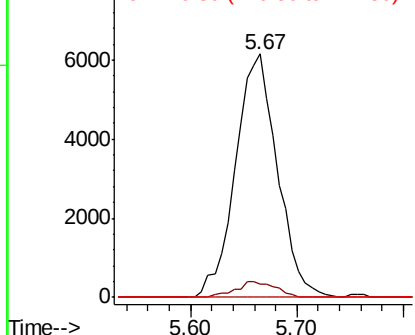
#38
Carbon Tetrachloride
Concen: 6.755 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009434.D
Acq: 09 May 2019 17:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 16977
Ion Ratio Lower Upper
117 100
119 5.4 77.5 116.3#
121 0.0 24.7 37.1#

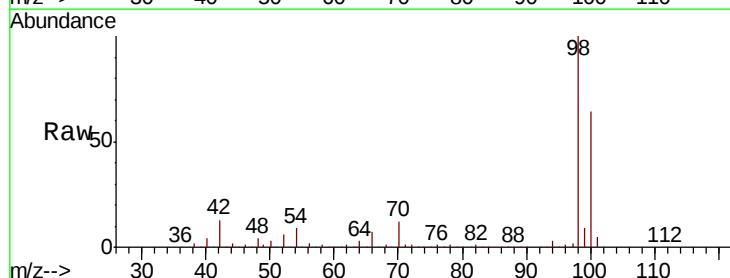


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

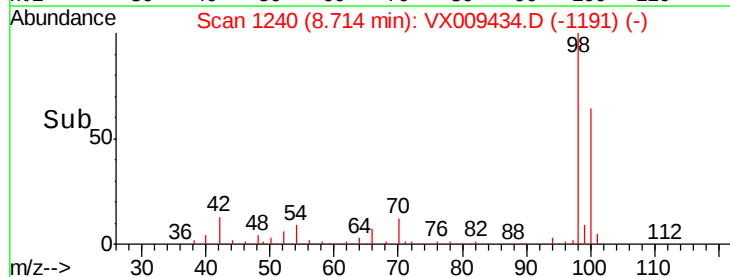
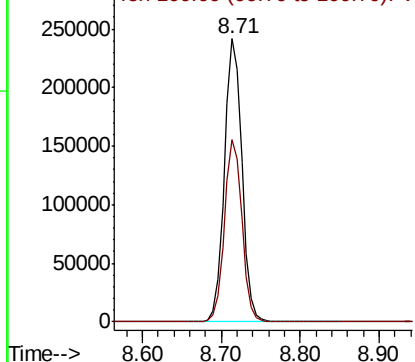


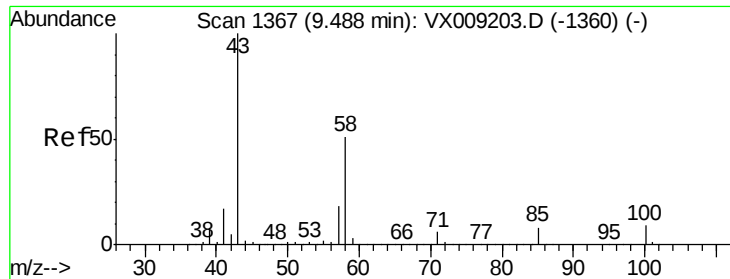
#50
Toluene-d8
Concen: 49.284 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009434.D
Acq: 09 May 2019 17:44

Tgt Ion: 98 Resp: 372286
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



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

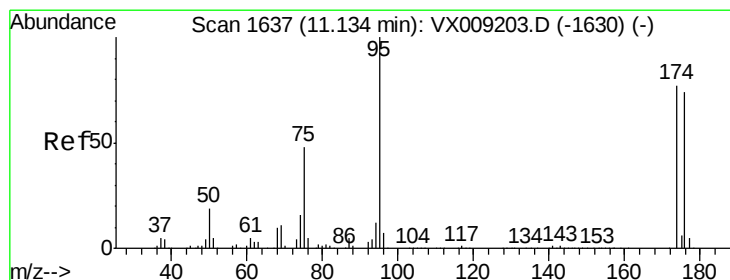
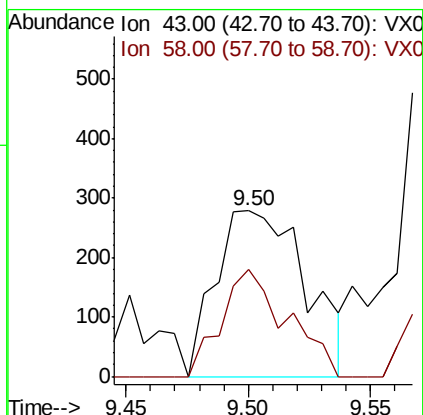
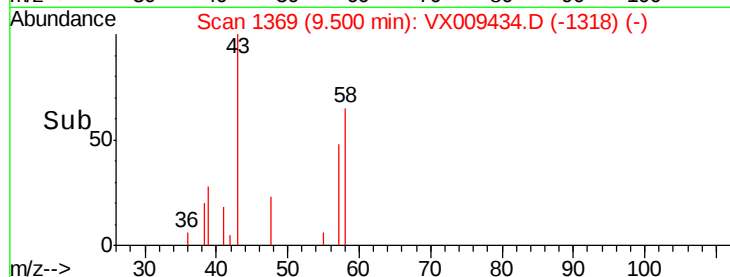
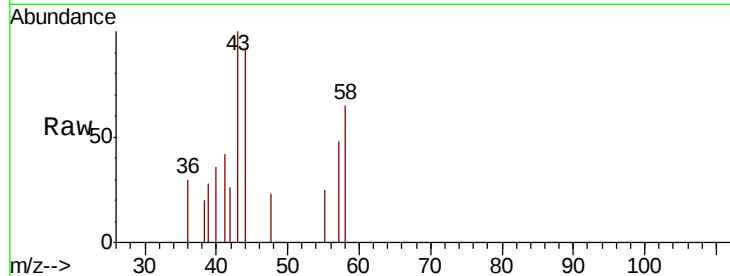




#59
2-Hexanone
Concen: 0.227 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX009434.D
Acq: 09 May 2019 17:44

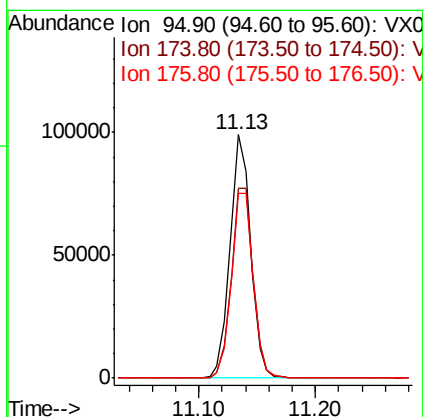
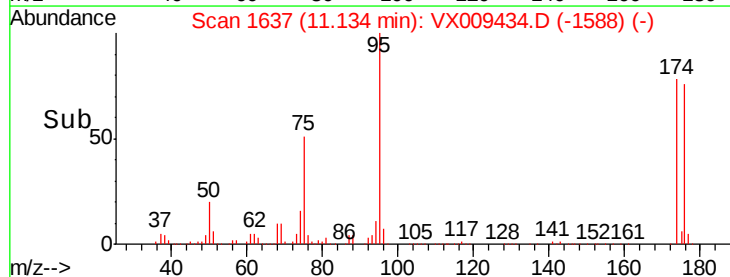
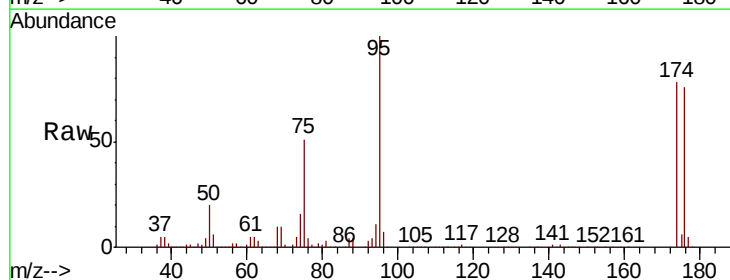
Instrument :
MSVOA_X
ClientSampled :

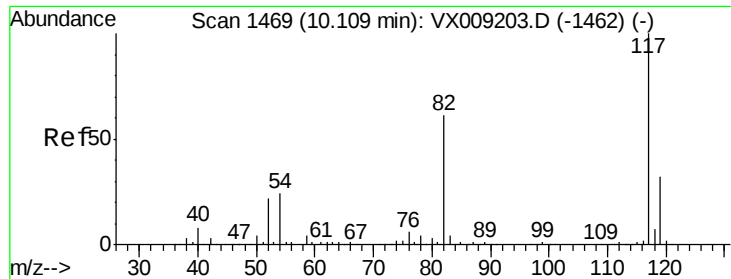
Tot Ion: 43 Resp: 718
Ion Ratio Lower Upper
43 100
58 46.5 25.9 77.7



#62
4-Bromofluorobenzene
Concen: 44.769 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009434.D
Acq: 09 May 2019 17:44

Tgt Ion: 95 Resp: 122883
Ion Ratio Lower Upper
95 100
174 82.3 0.0 161.6
176 80.5 0.0 159.2

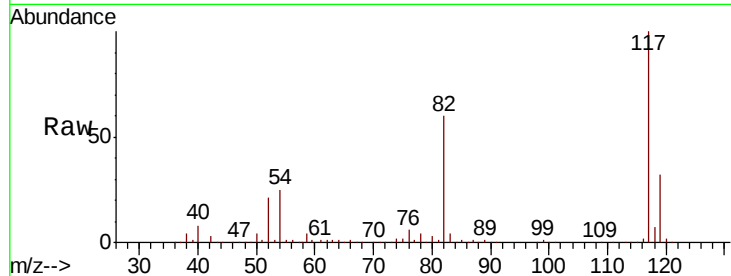




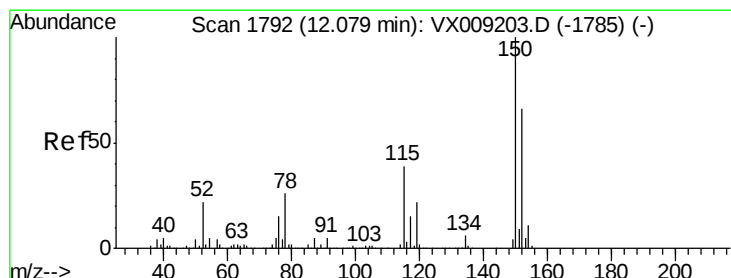
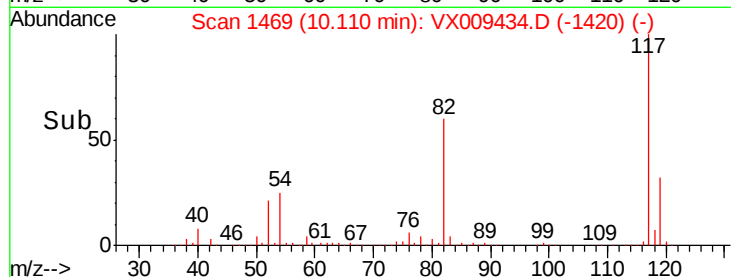
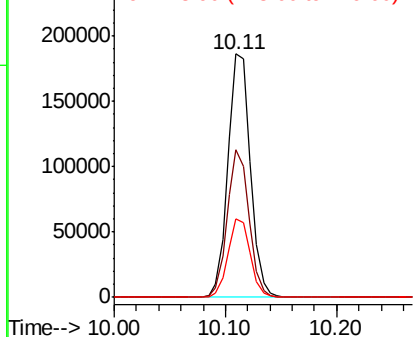
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009434.D
Acq: 09 May 2019 17:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 259176
Ion Ratio Lower Upper
117 100
82 60.4 48.8 73.2
119 32.0 25.8 38.6

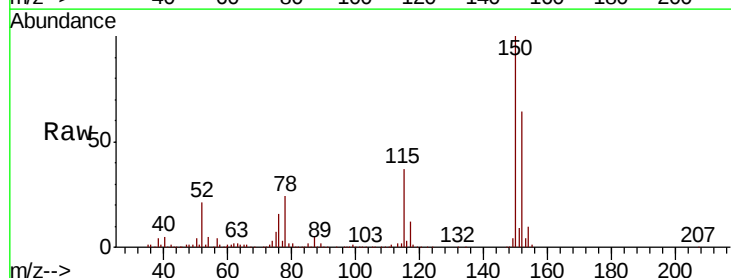


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

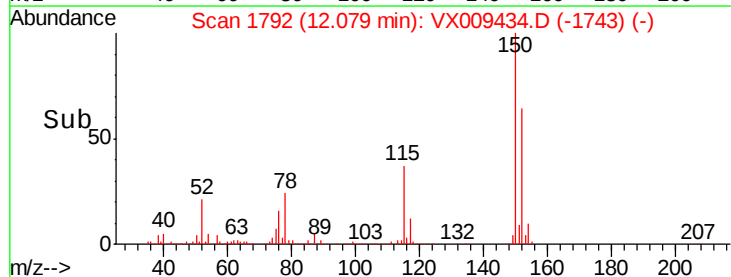
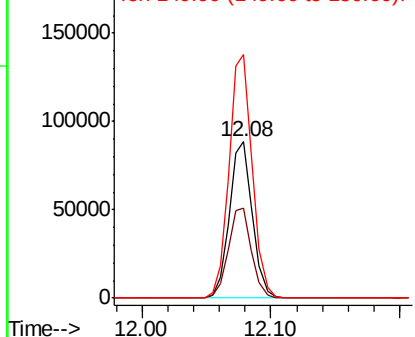


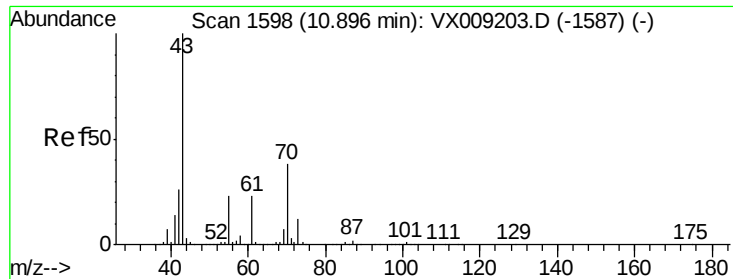
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009434.D
Acq: 09 May 2019 17:44

Tgt Ion:152 Resp: 109987
Ion Ratio Lower Upper
152 100
115 58.4 41.2 123.6
150 158.3 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





#74

N-amvl acetate

Concen: 0.348 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX009434.D

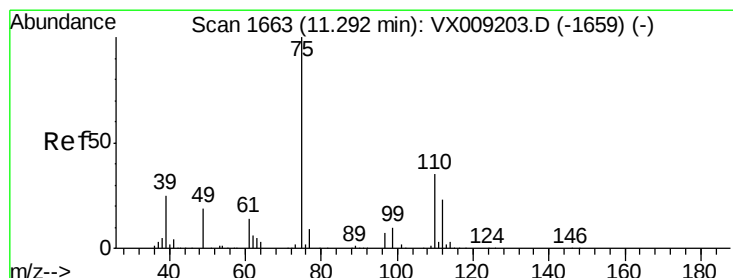
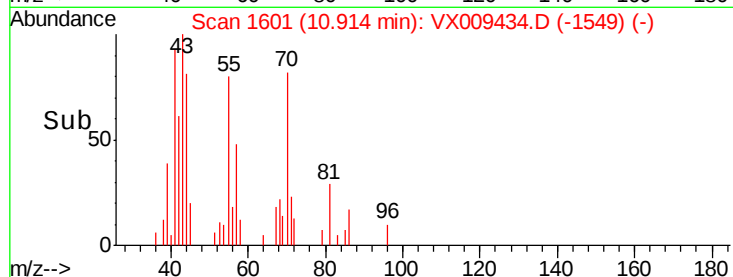
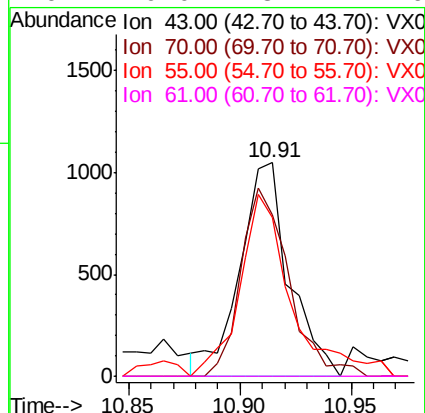
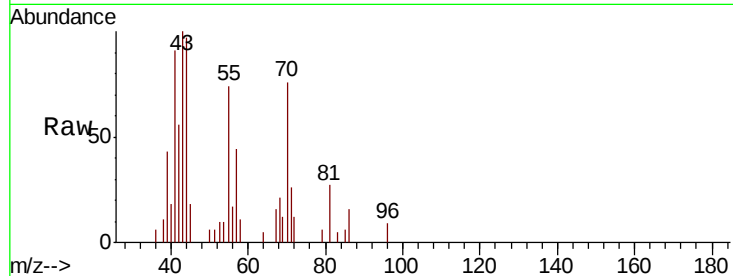
Acq: 09 May 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	43	Resp:	1621
Ion	Ratio	Lower	Upper
43	100		
70	86.1	30.0	45.0#
55	88.6	17.9	26.9#
61	0.0	18.4	27.6#



#76

1,2,3-Trichloropropane

Concen: 24.532 ug/l

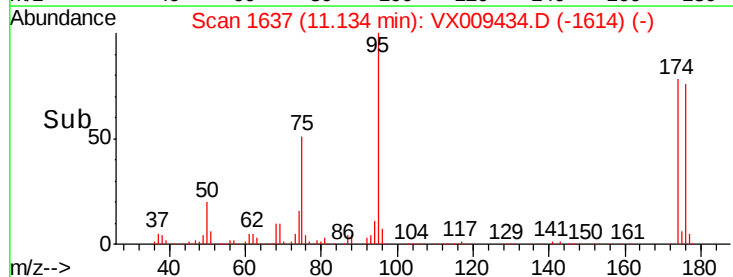
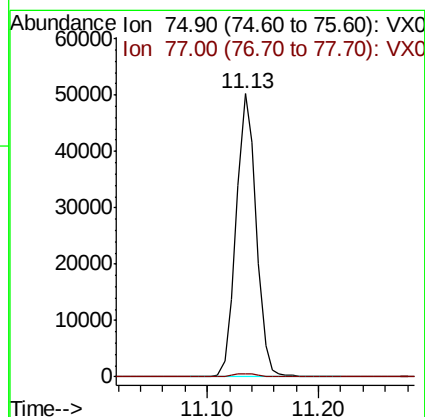
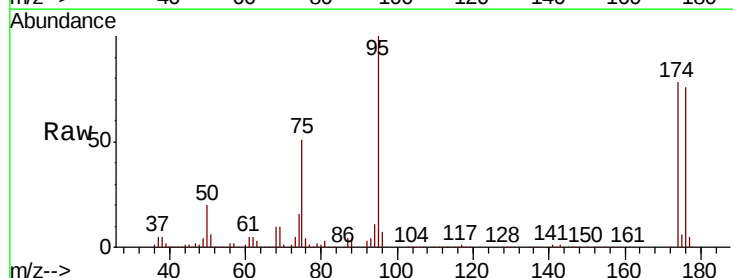
RT: 11.13 min Scan# 1637

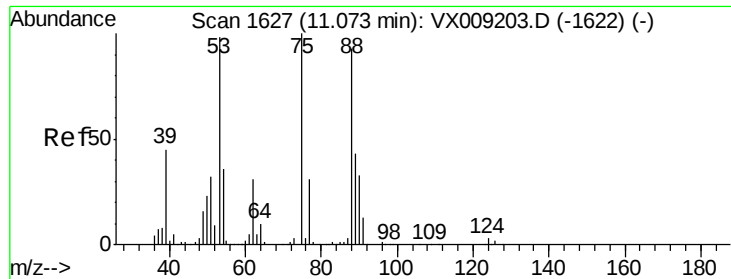
Delta R.T. -0.16 min

Lab File: VX009434.D

Acq: 09 May 2019 17:44

Tgt Ion:	75	Resp:	62588
Ion	Ratio	Lower	Upper
75	100		
77	1.6	22.1	66.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.768 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009434.D

Acq: 09 May 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

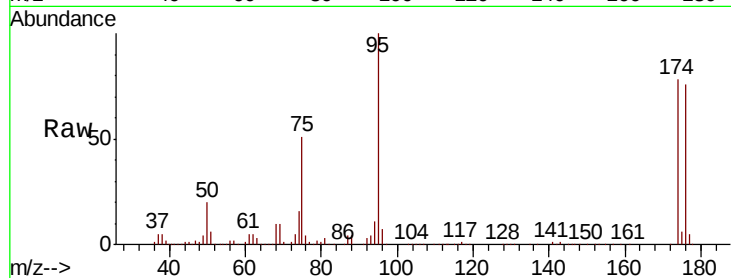
Tot Ion: 75 Resp: 62588

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#



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

