

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX004969.D
 Acq On : 03 Oct 2018 15:16
 Operator : JC/MD
 Sample : VX1004WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBL01

Quant Time: Oct 04 01:22:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	253217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397348	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	384540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219442	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	177802	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
35) Dibromofluoromethane	5.50	113	152894	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	
50) Toluene-d8	8.71	98	572580	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.14	95	210118	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	

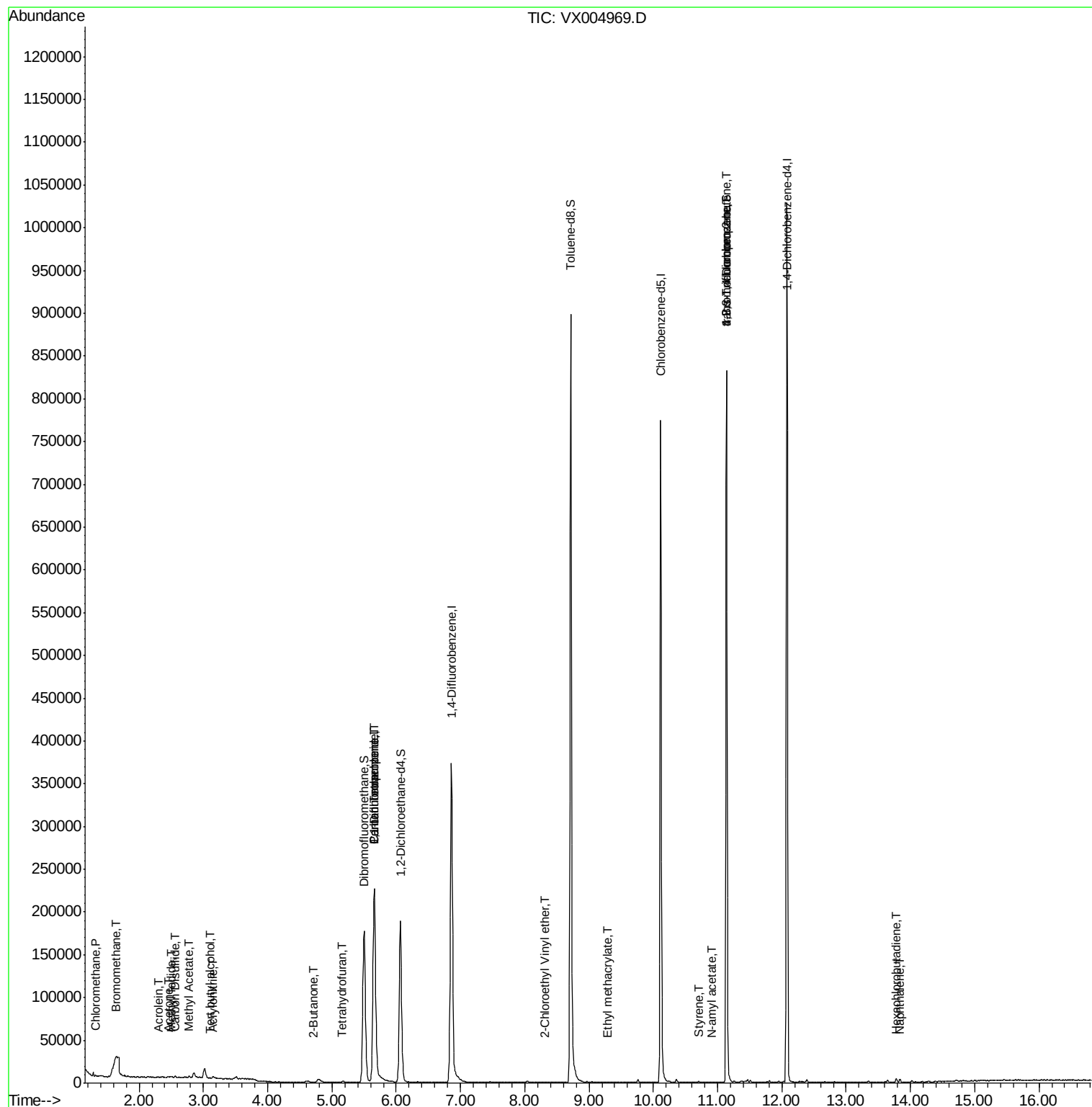
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1031	0.246	ug/l #	87
5) Bromomethane	1.64	94	2061	0.885	ug/l #	77
6) Chloroethane	1.75	64	68	Below Cal	#	77
10) Methyl Iodide	2.50	142	759	0.205	ug/l #	81
11) Tert butyl alcohol	3.09	59	400	0.395	ug/l #	84
13) Acrolein	2.31	56	333	0.463	ug/l #	1
15) Acrylonitrile	3.15	53	1082	0.486	ug/l	87
16) Acetone	2.45	43	1094	0.518	ug/l	93
17) Carbon Disulfide	2.56	76	1733	0.210	ug/l #	93
18) Methyl Acetate	2.78	43	1371	0.256	ug/l #	88
20) Methylene Chloride	2.85	84	2403	Below Cal	#	82
25) 2-Butanone	4.72	43	689	0.221	ug/l #	49
29) Tetrahydrofuran	5.17	42	1200	0.620	ug/l #	87
36) 1,1-Dichloropropene	5.66	75	16679	3.630	ug/l #	45
38) Carbon Tetrachloride	5.66	117	21733	4.500	ug/l #	17
56) Ethyl methacrylate	9.29	69	23	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.31	63	106	14.276	ug/l #	49
70) Styrene	10.71	104	278	2.166	ug/l #	85
74) N-amyl acetate	10.91	43	230	1.777	ug/l #	49
76) 1,2,3-Trichloropropane	11.14	75	101730	20.683	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	621	Below Cal		96
81) trans-1,4-Dichloro-2-buten	11.14	75	101730	56.156	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	1146	Below Cal		100
94) Hexachlorobutadiene	13.78	225	597	0.209	ug/l	84
95) Naphthalene	13.83	128	2167	0.837	ug/l	95

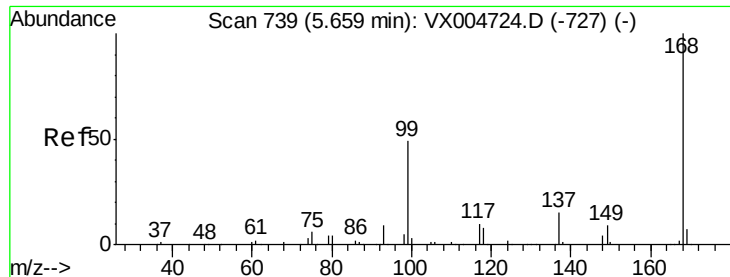
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100418\
Data File : VX004969.D
Acq On : 03 Oct 2018 15:16
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX1004WBL01

Quant Time: Oct 04 01:22:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

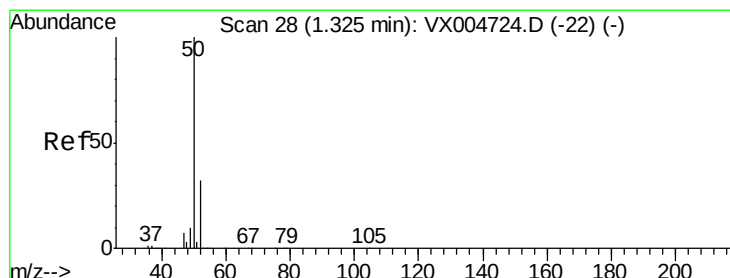
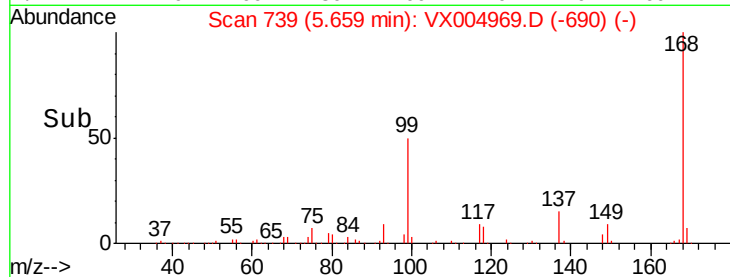
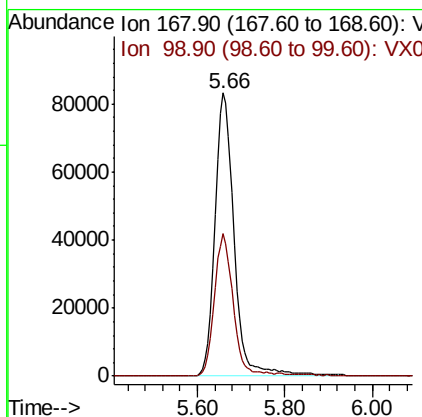
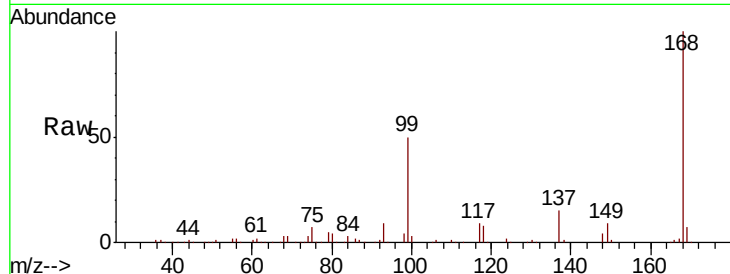




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX004969.D
Acq: 03 Oct 2018 15:16

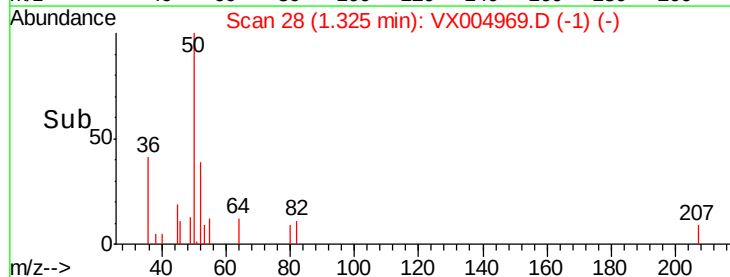
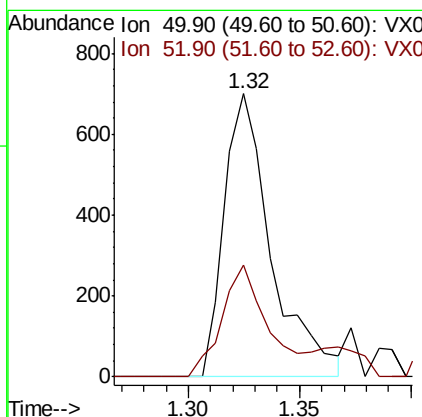
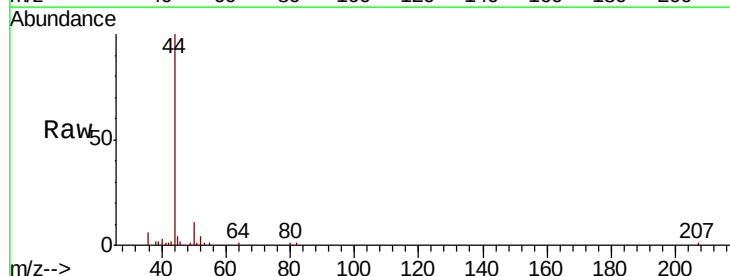
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL01

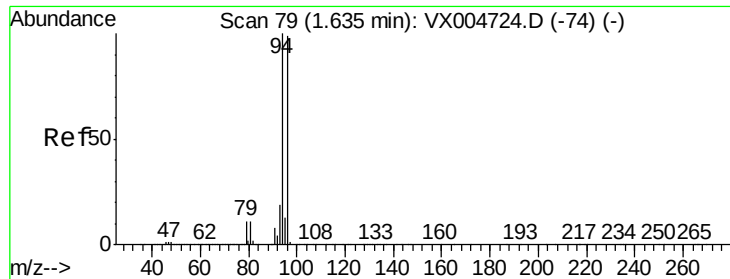
Tot Ion:168 Resp: 253217
Ion Ratio Lower Upper
168 100
99 50.4 39.3 58.9



#3
Chloromethane
Concen: 0.246 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX004969.D
Acq: 03 Oct 2018 15:16

Tgt Ion: 50 Resp: 1031
Ion Ratio Lower Upper
50 100
52 39.4 25.8 38.6#





#5

Bromomethane

Concen: 0.885 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004969.D

Acq: 03 Oct 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

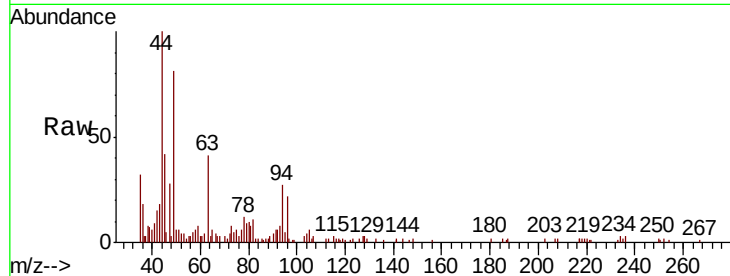
VX1004WBL01

Tot Ion: 94 Resp: 2061

Ion Ratio Lower Upper

94 100

96 76.3 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

600

400

200

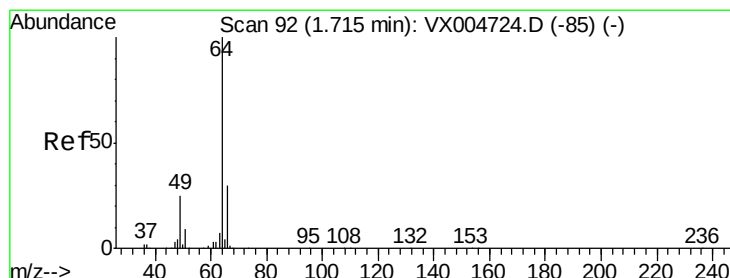
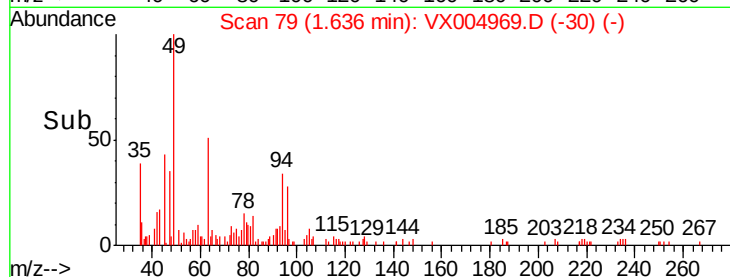
0

1.64

1.60

1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 98

Delta R.T. 0.04 min

Lab File: VX004969.D

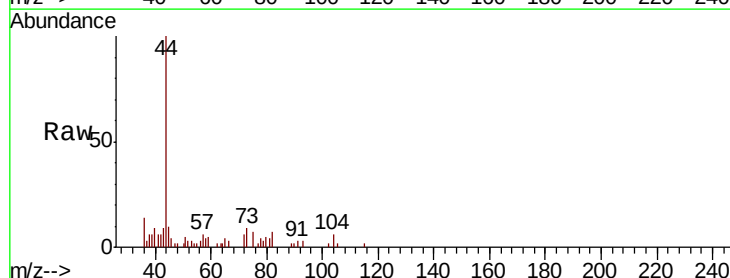
Acq: 03 Oct 2018 15:16

Tgt Ion: 64 Resp: 68

Ion Ratio Lower Upper

64 100

66 17.5 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

150

100

50

0

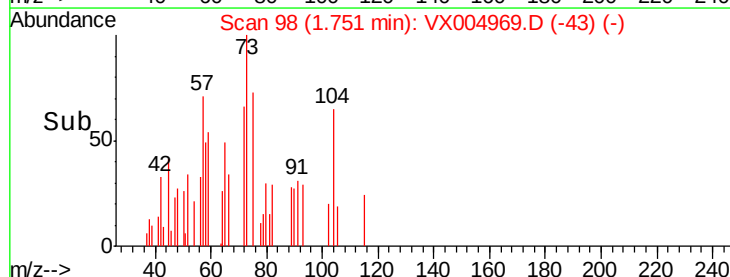
1.75

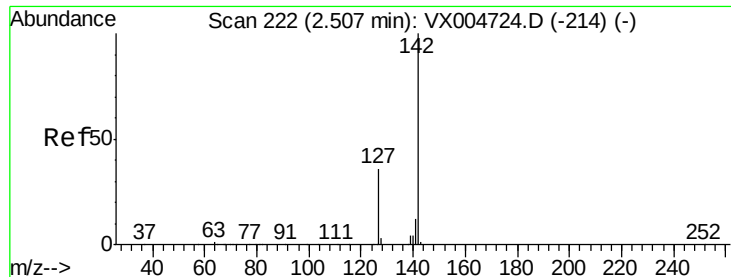
1.74

1.76

1.77

Time-->

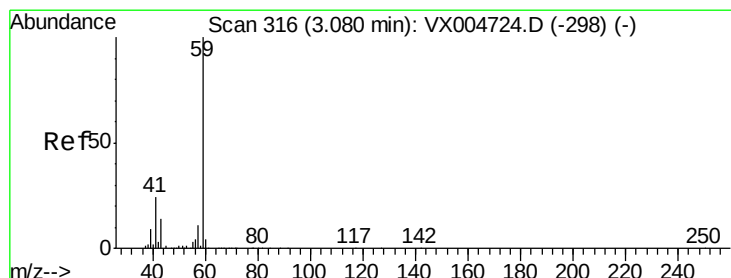
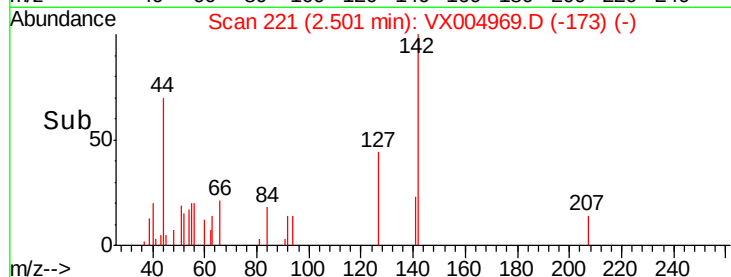
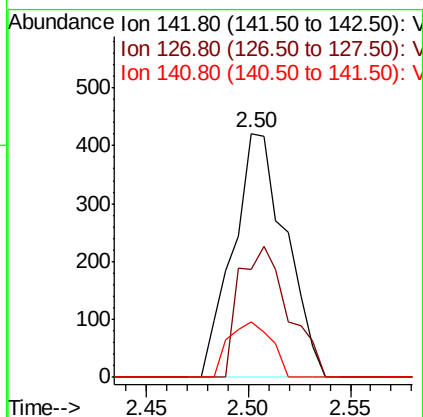
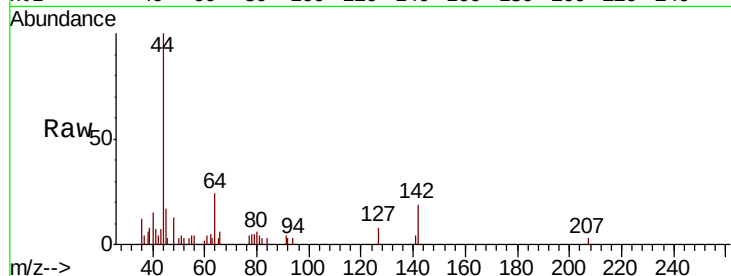




#10
Methvl Iodide
Concen: 0.205 ug/l
RT: 2.50 min Scan# 221
Delta R.T. -0.01 min
Lab File: VX004969.D
Acq: 03 Oct 2018 15:16

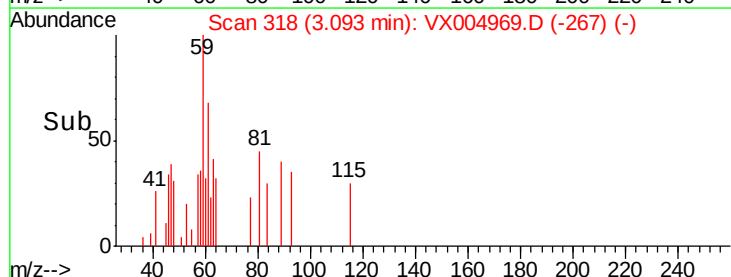
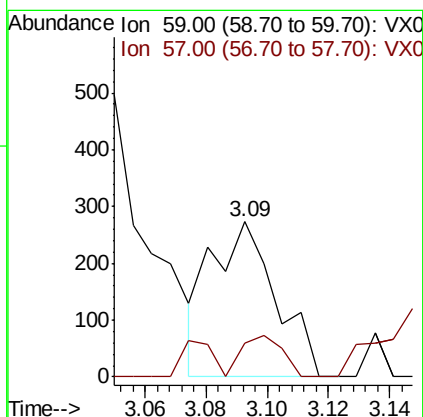
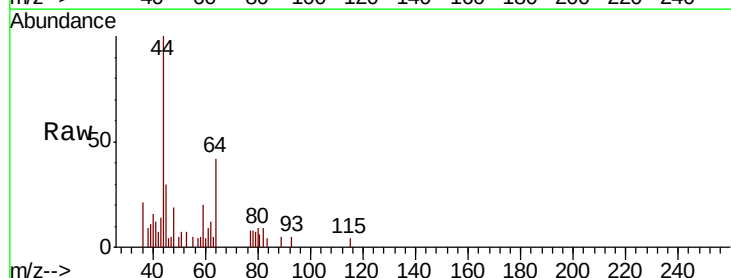
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL01

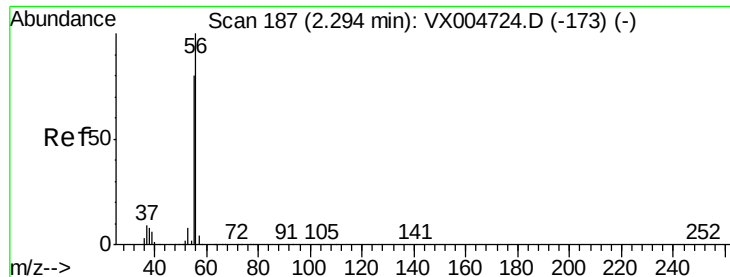
Tot Ion:142 Resp: 759
Ion Ratio Lower Upper
142 100
127 49.9 30.1 45.1#
141 18.2 10.1 15.1#



#11
Tert butyl alcohol
Concen: 0.395 ug/l
RT: 3.09 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX004969.D
Acq: 03 Oct 2018 15:16

Tgt Ion: 59 Resp: 400
Ion Ratio Lower Upper
59 100
57 16.8 8.6 12.8#

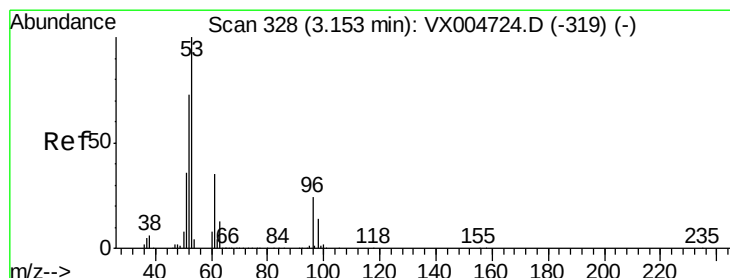
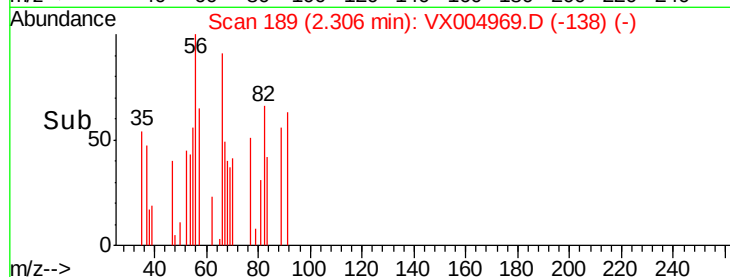
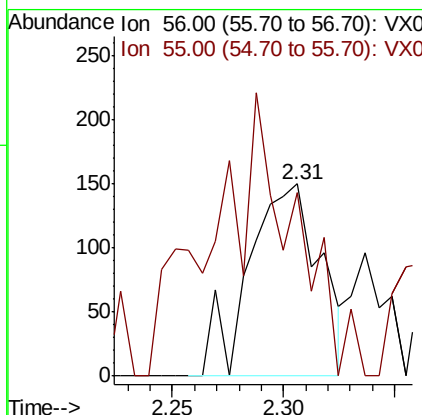
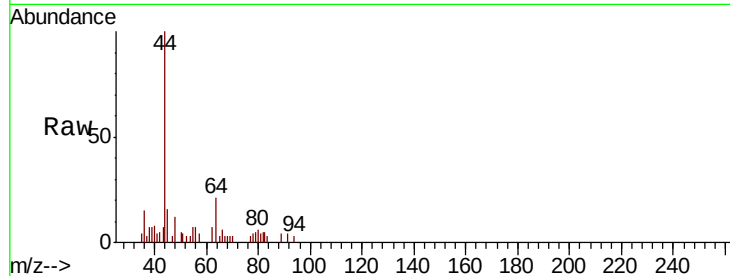




#13
Acrolein
Concen: 0.463 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX004969.D
Acq: 03 Oct 2018 15:16

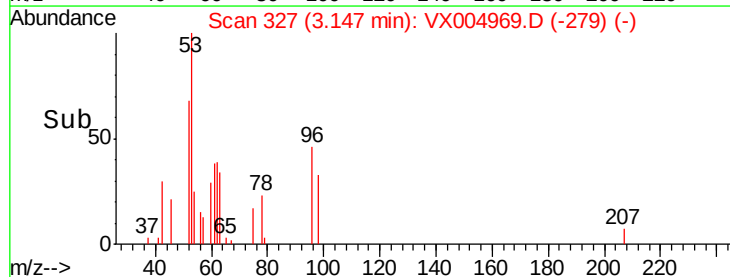
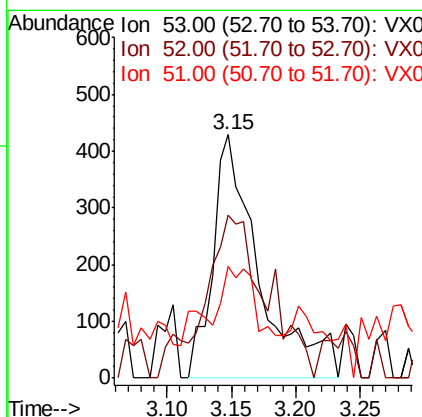
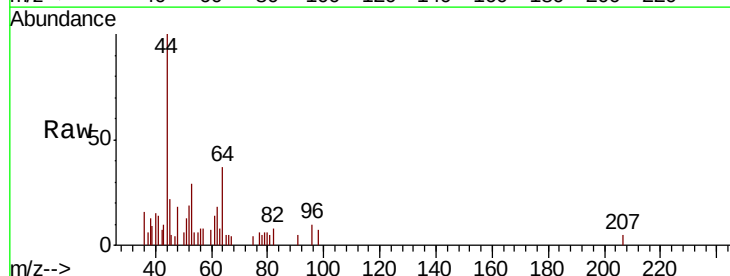
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL01

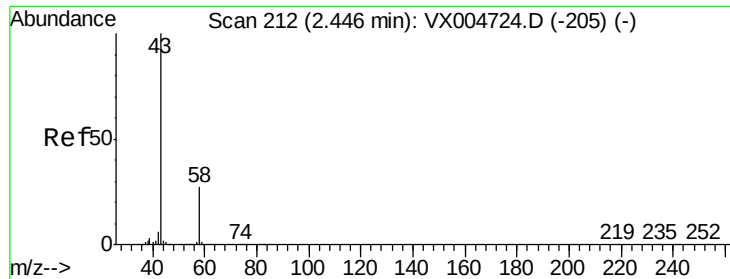
Tot Ion: 56 Resp: 333
Ion Ratio Lower Upper
56 100
55 169.1 63.4 95.2#



#15
Acrylonitrile
Concen: 0.486 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX004969.D
Acq: 03 Oct 2018 15:16

Tgt Ion: 53 Resp: 1082
Ion Ratio Lower Upper
53 100
52 90.0 63.0 94.4
51 28.9 28.6 42.8





#16

Acetone

Concen: 0.518 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX004969.D

Acq: 03 Oct 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

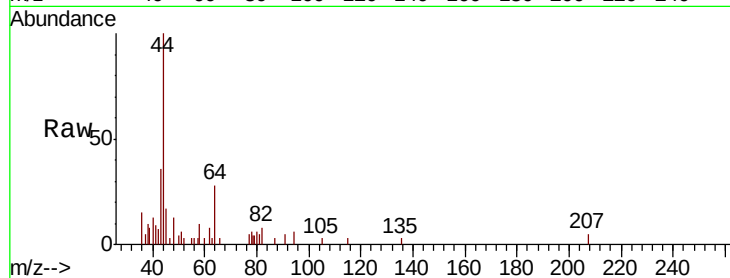
VX1004WBL01

Tot Ion: 43 Resp: 1094

Ion Ratio Lower Upper

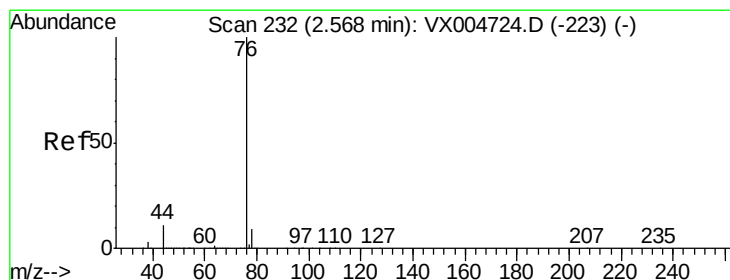
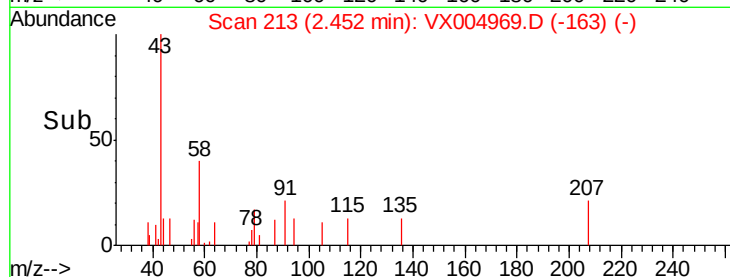
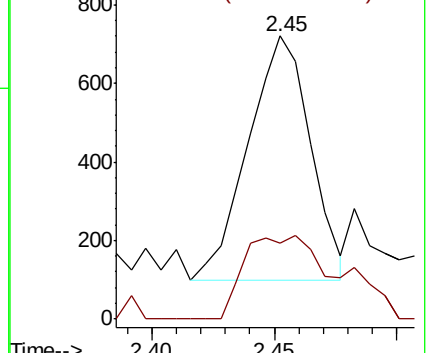
43 100

58 30.9 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.210 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX004969.D

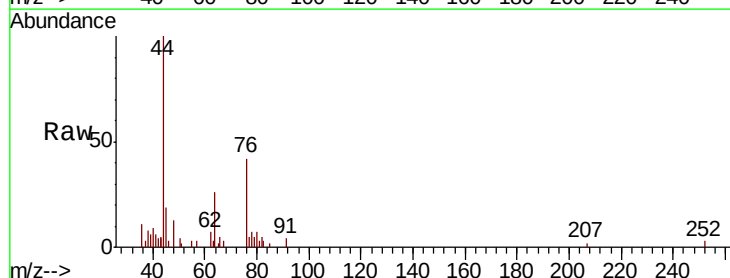
Acq: 03 Oct 2018 15:16

Tgt Ion: 76 Resp: 1733

Ion Ratio Lower Upper

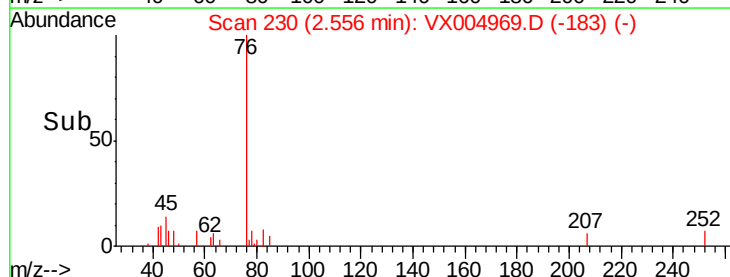
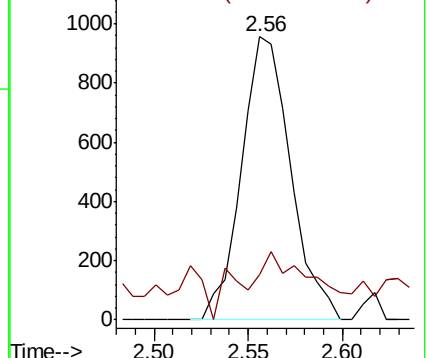
76 100

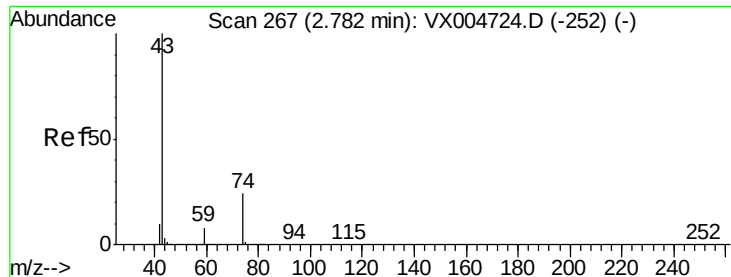
78 6.4 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

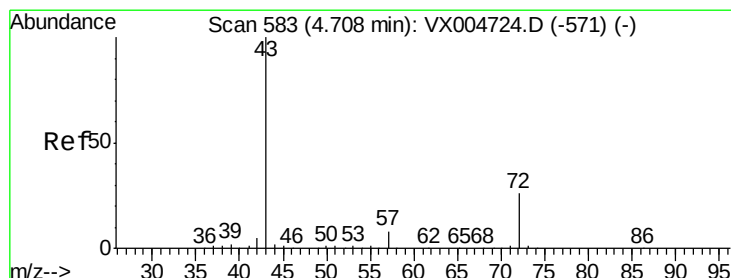
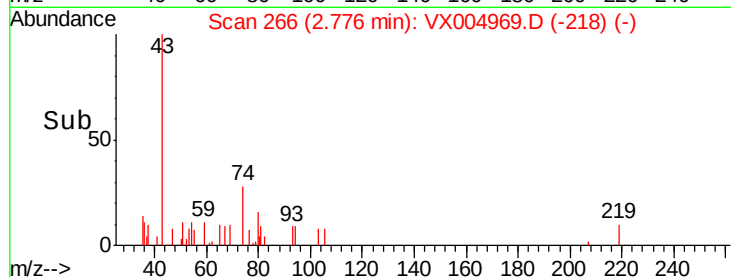
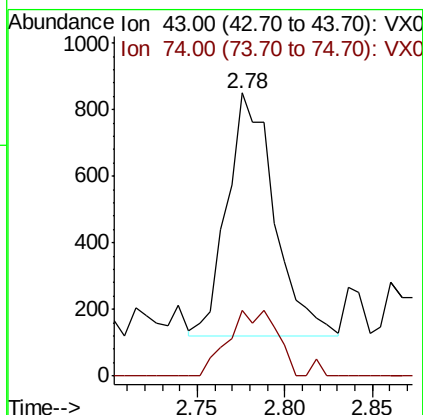
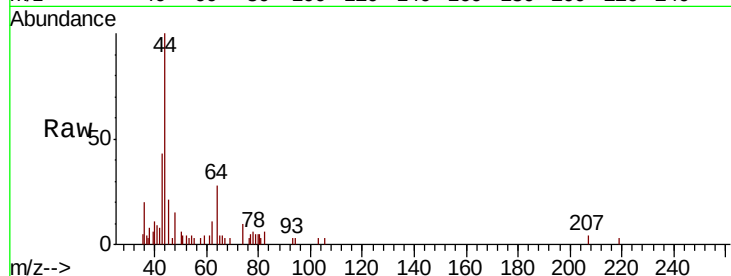




#18
Methyl Acetate
Concen: 0.256 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004969.D
Acq: 03 Oct 2018 15:16

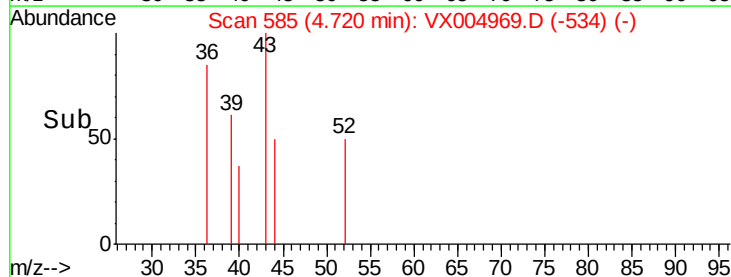
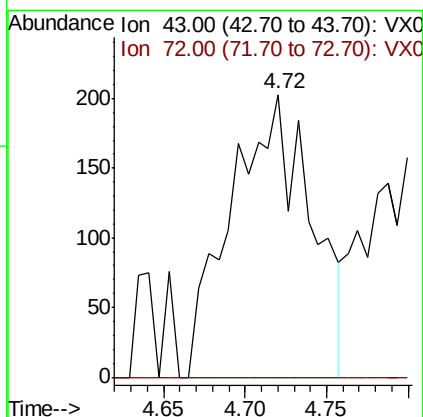
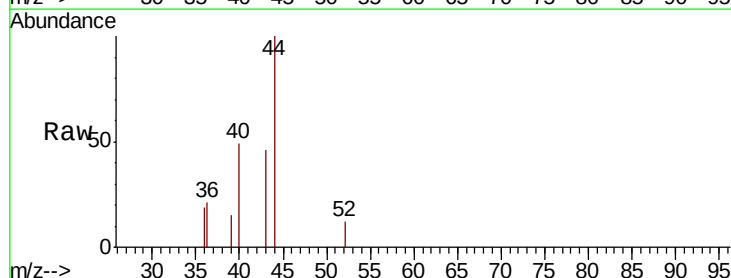
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL01

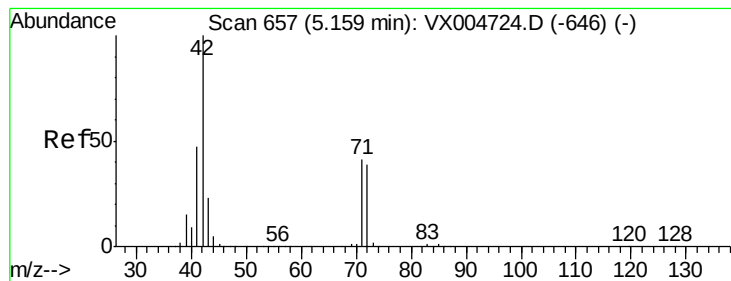
Tot Ion: 43 Resp: 1371
Ion Ratio Lower Upper
43 100
74 27.9 17.8 26.8#



#25
2-Butanone
Concen: 0.221 ug/l
RT: 4.72 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX004969.D
Acq: 03 Oct 2018 15:16

Tgt Ion: 43 Resp: 689
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#





#29

Tetrahydrofuran

Concen: 0.620 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX004969.D

Acq: 03 Oct 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBL01

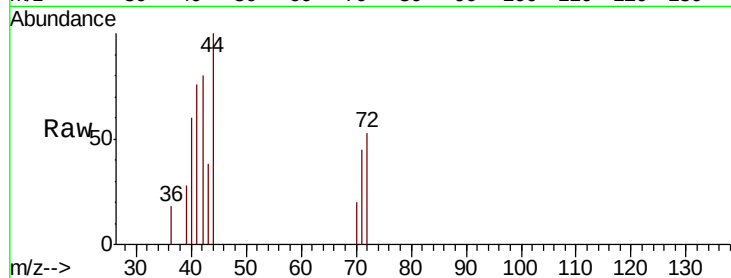
Tot Ion: 42 Resp: 1200

Ion Ratio Lower Upper

42 100

72 33.3 33.7 50.5#

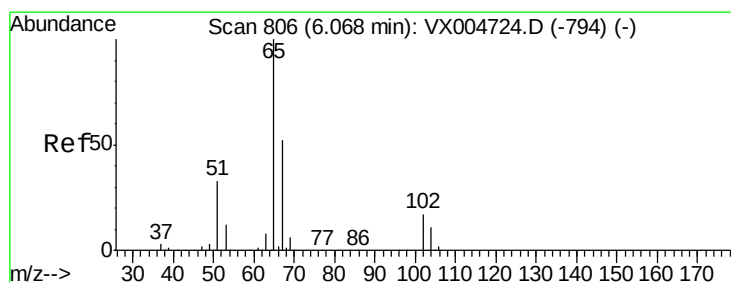
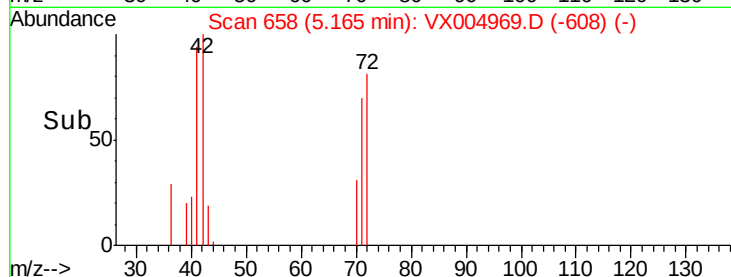
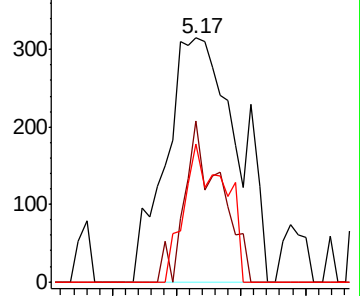
71 32.6 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.154 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004969.D

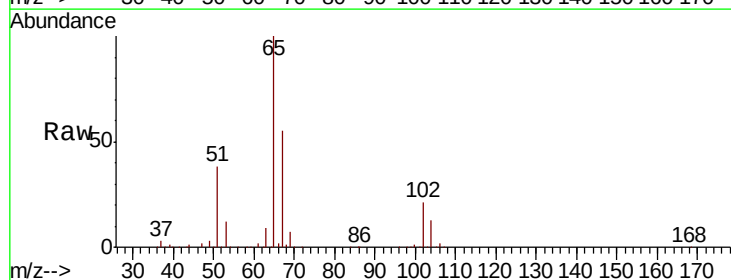
Acq: 03 Oct 2018 15:16

Tgt Ion: 65 Resp: 177802

Ion Ratio Lower Upper

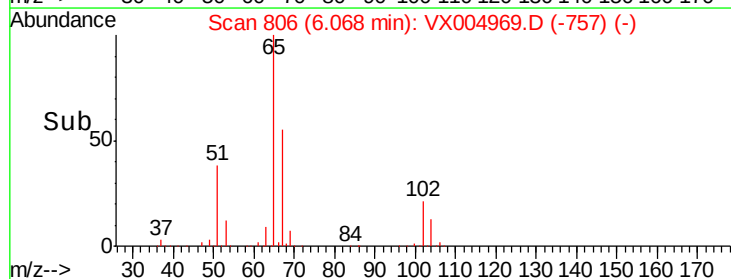
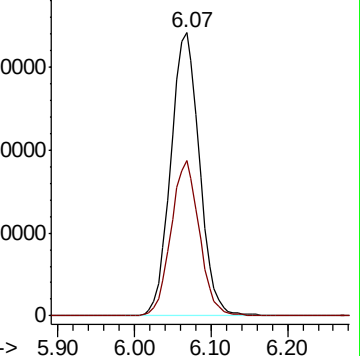
65 100

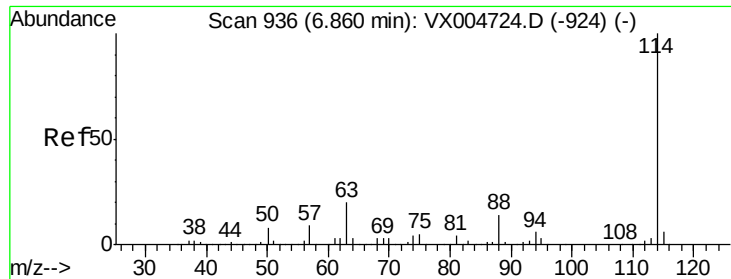
67 54.0 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

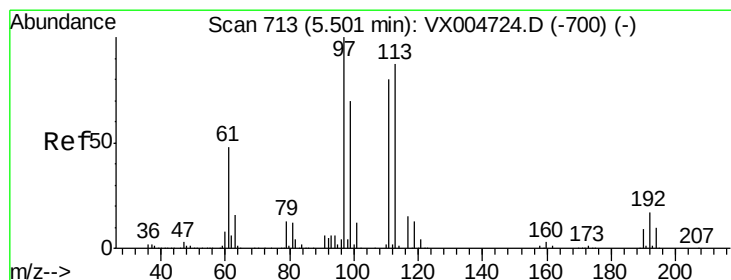
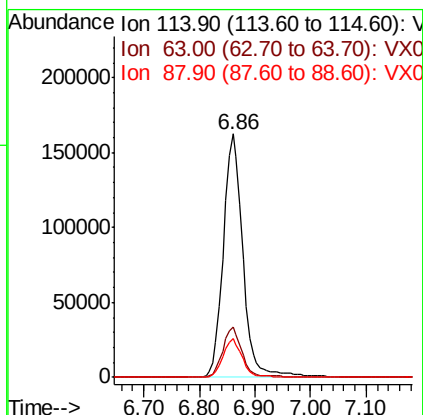
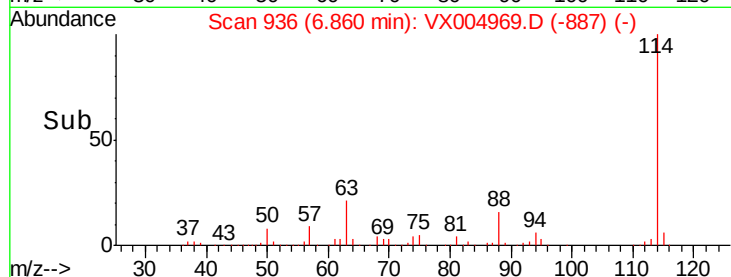
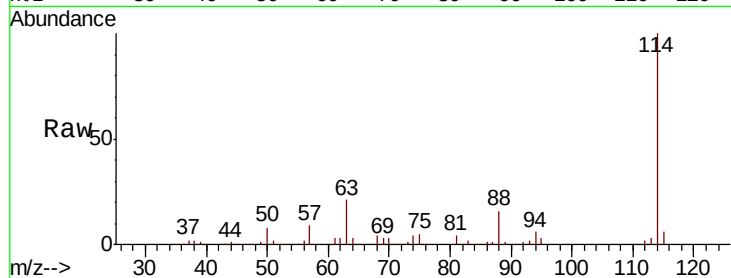




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004969.D
 Acq: 03 Oct 2018 15:16

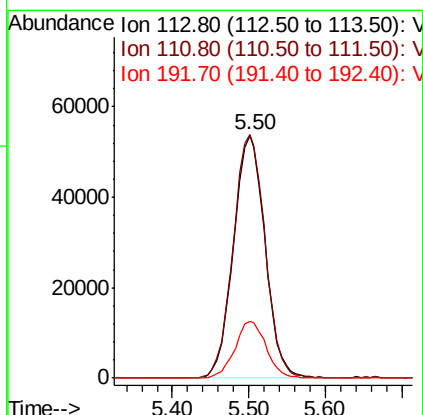
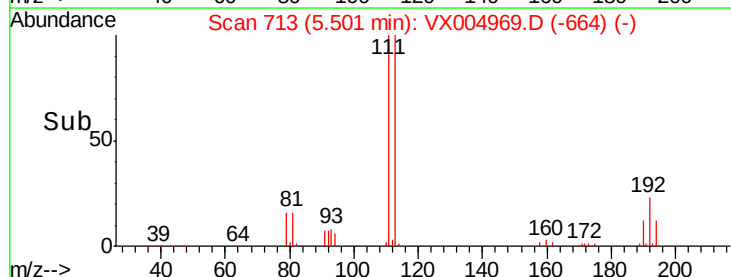
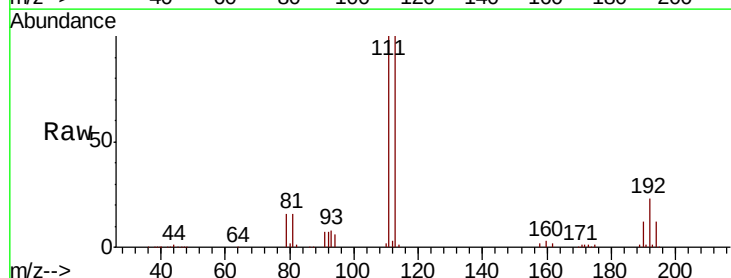
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBL01

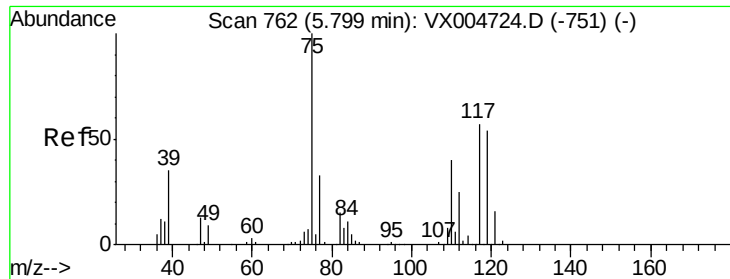
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.8
88	16.1	0.0	27.0



#35
 Dibromofluoromethane
 Concen: 45.402 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004969.D
 Acq: 03 Oct 2018 15:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	77.0	115.4
192	23.3	17.0	25.6

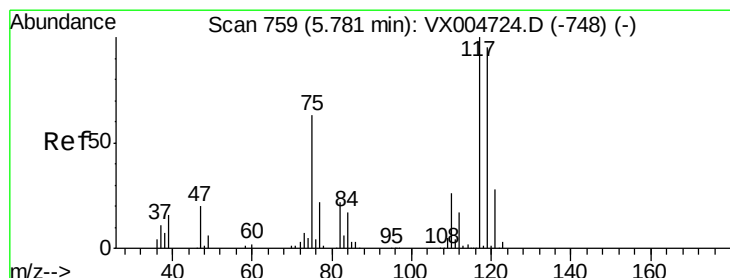
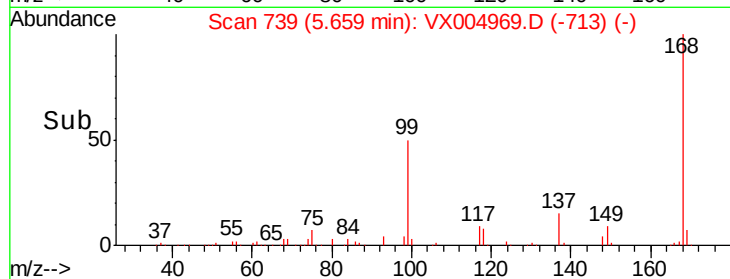
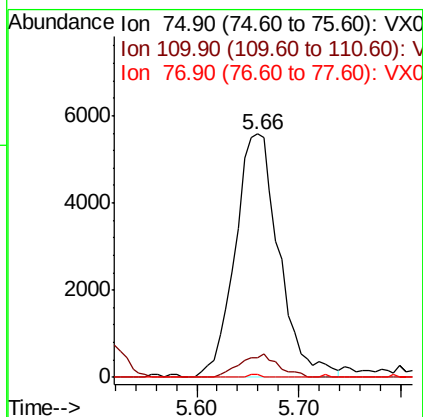
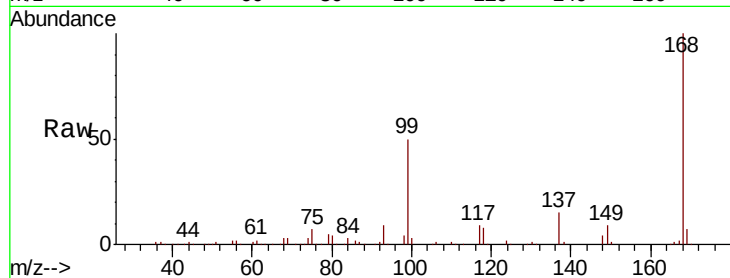




#36
 1,1-Dichloropropene
 Concen: 3.630 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004969.D
 Acq: 03 Oct 2018 15:16

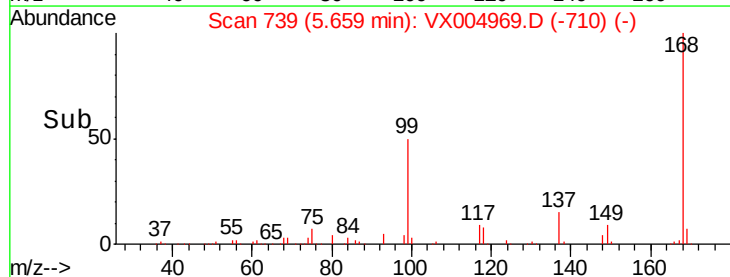
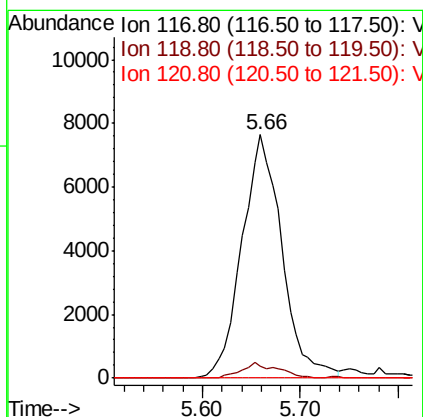
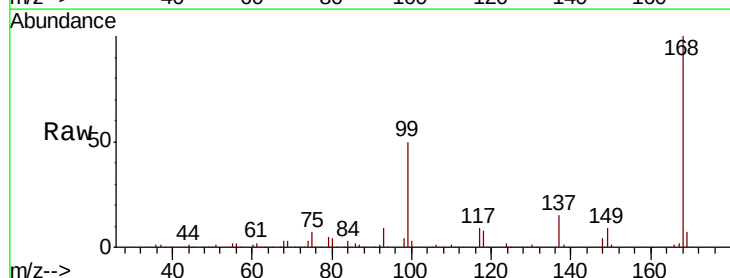
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBL01

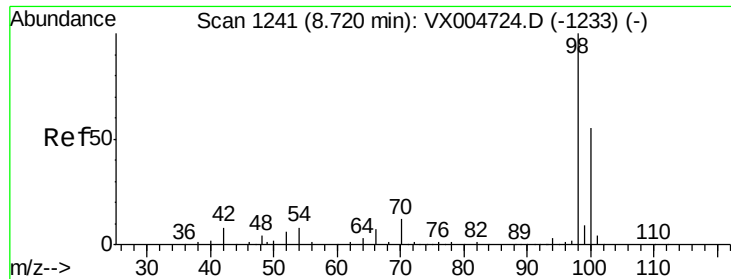
Tot Ion	75	Resp	16679
Ion Ratio	100	Lower	Upper
110	8.4	20.0	59.9#
77	0.3	27.1	40.7#



#38
 Carbon Tetrachloride
 Concen: 4.500 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004969.D
 Acq: 03 Oct 2018 15:16

Tgt Ion	117	Resp	21733
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	5.1	75.2	112.8#
121	0.0	22.5	33.7#

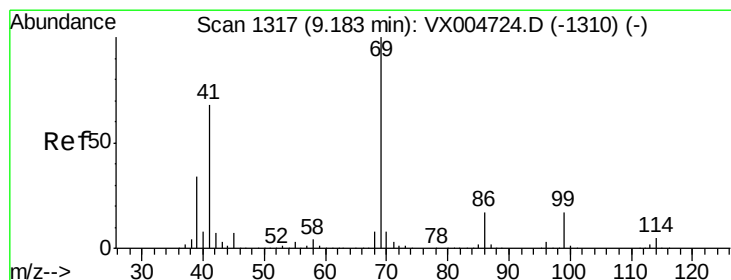
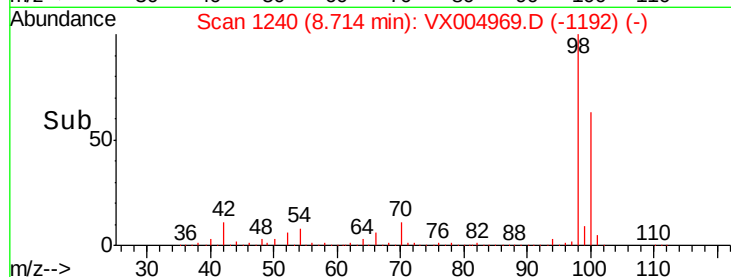
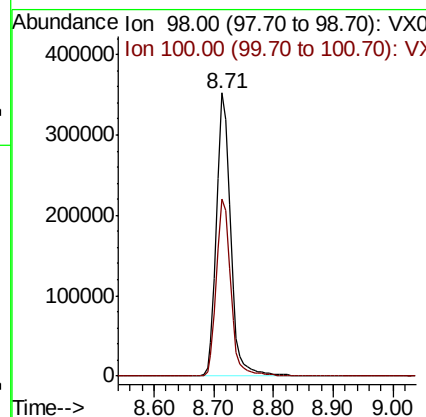
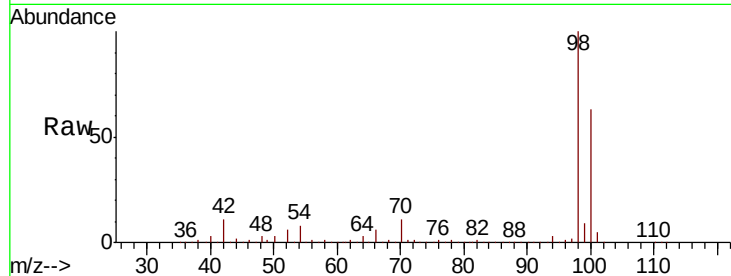




#50
Toluene-d8
Concen: 51.144 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004969.D
Acq: 03 Oct 2018 15:16

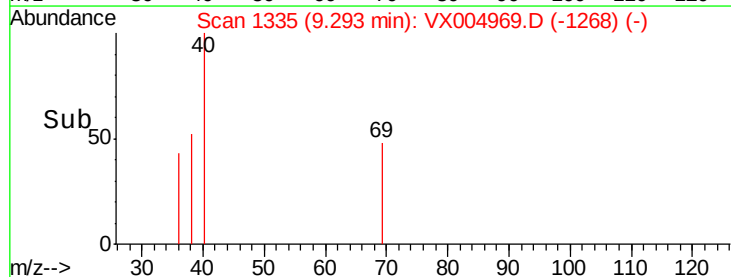
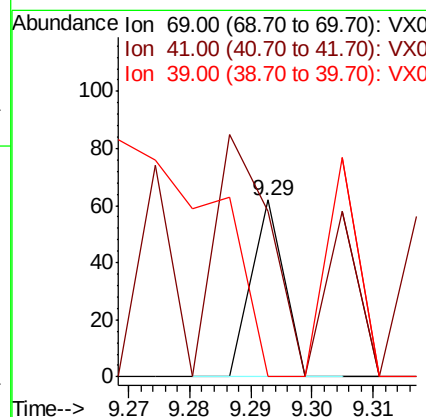
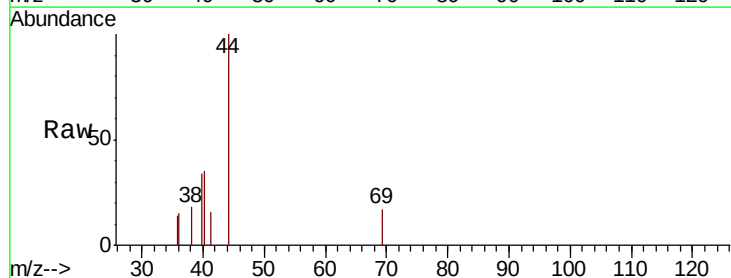
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL01

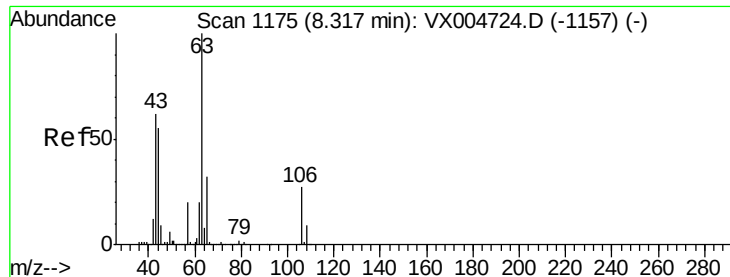
Tot Ion: 98 Resp: 572580
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#56
Ethyl methacrylate
Concen: 2.866 ug/l
RT: 9.29 min Scan# 1335
Delta R.T. 0.11 min
Lab File: VX004969.D
Acq: 03 Oct 2018 15:16

Tgt Ion: 69 Resp: 23
Ion Ratio Lower Upper
69 100
41 343.5 56.9 85.3#
39 0.0 28.4 42.6#





#58

2-Chloroethyl Vinyl ether

Concen: 14.276 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004969.D

Acq: 03 Oct 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

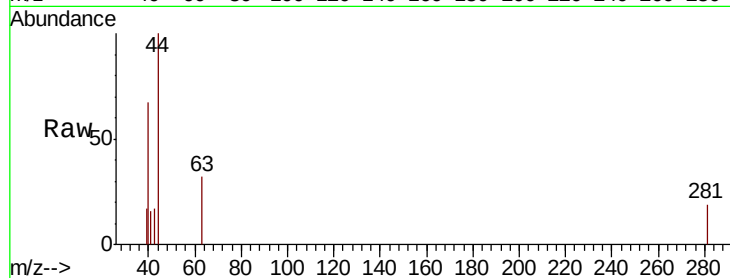
VX1004WBL01

Tot Ion: 63 Resp: 106

Ion Ratio Lower Upper

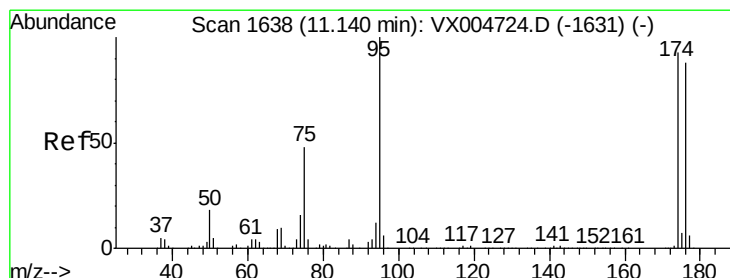
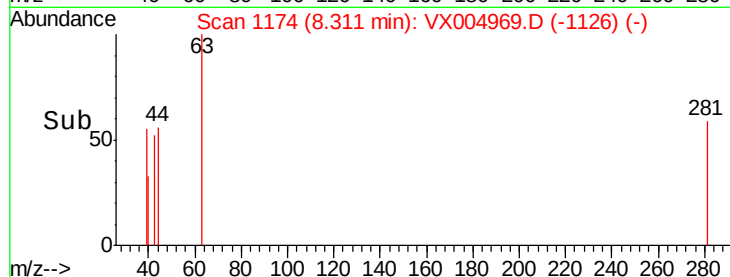
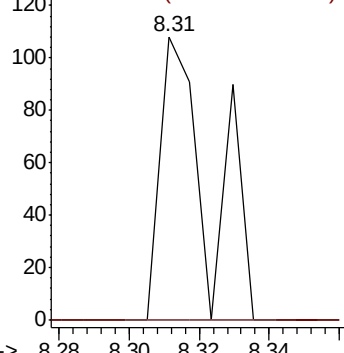
63 100

106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



#62

4-Bromofluorobenzene

Concen: 52.097 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004969.D

Acq: 03 Oct 2018 15:16

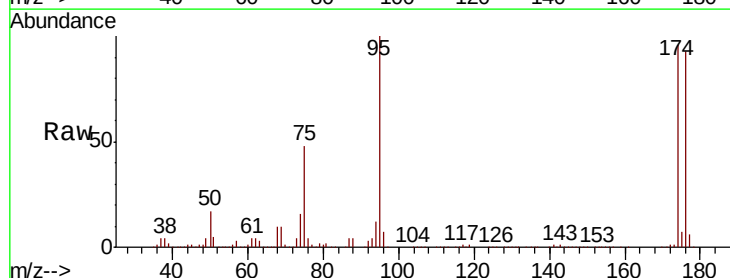
Tgt Ion: 95 Resp: 210118

Ion Ratio Lower Upper

95 100

174 92.0 0.0 185.0

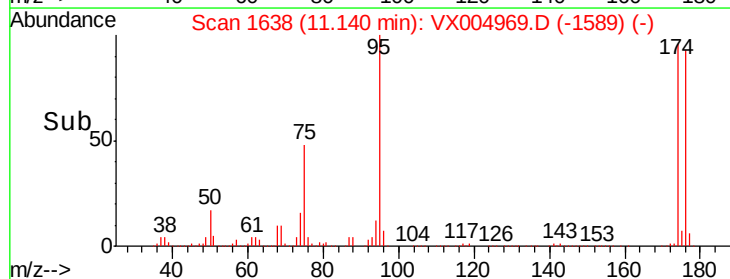
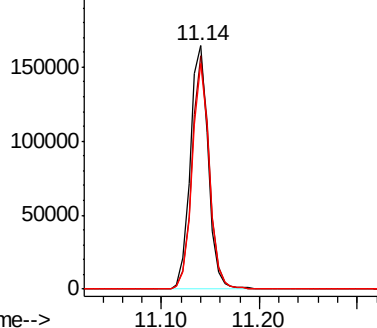
176 88.4 0.0 180.2

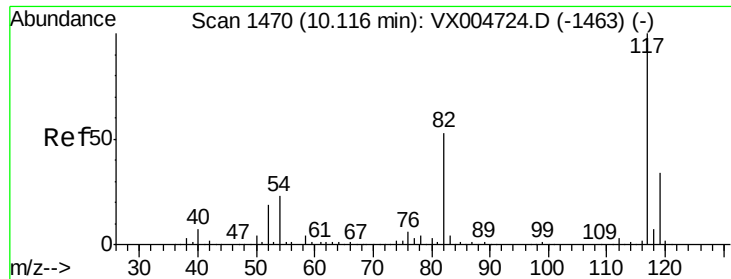


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

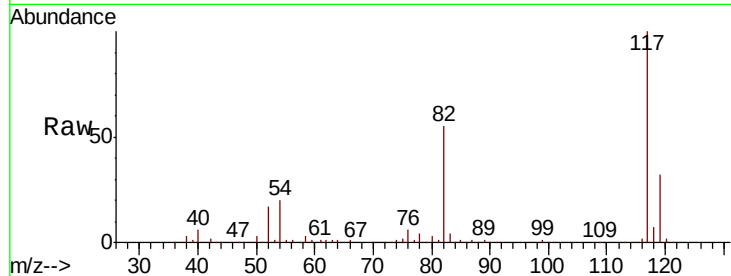




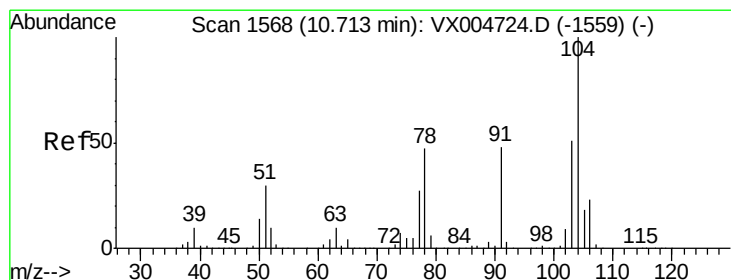
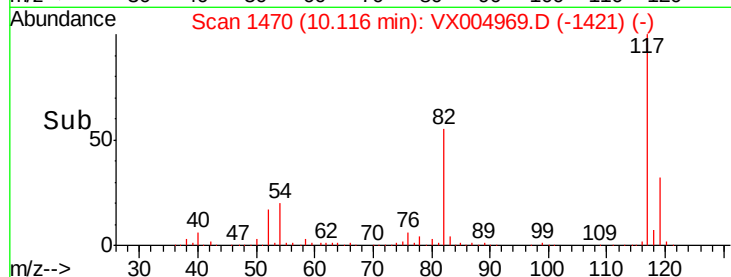
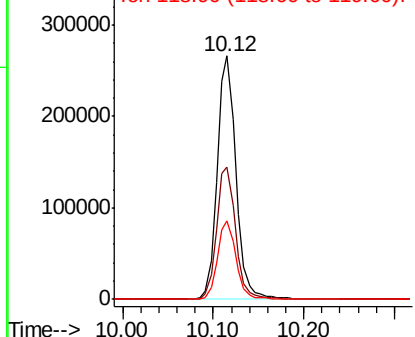
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004969.D
Acq: 03 Oct 2018 15:16

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBL01

Tot Ion:117 Resp: 384540
Ion Ratio Lower Upper
117 100
82 54.6 42.2 63.4
119 32.5 27.4 41.0

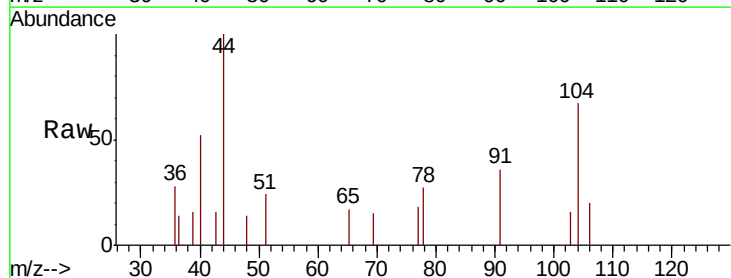


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

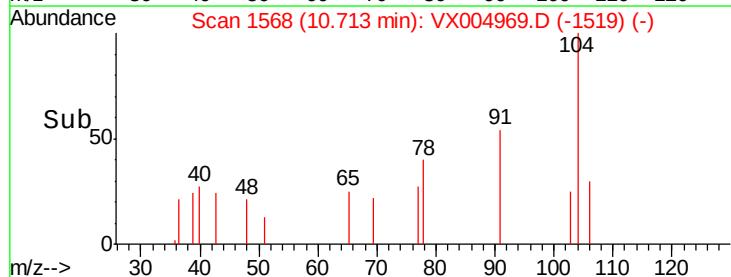
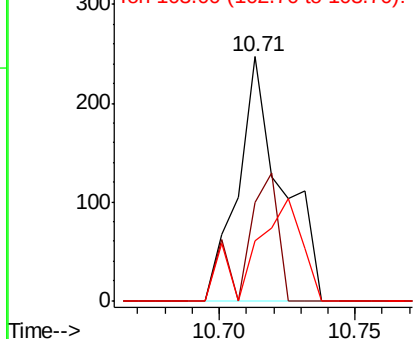


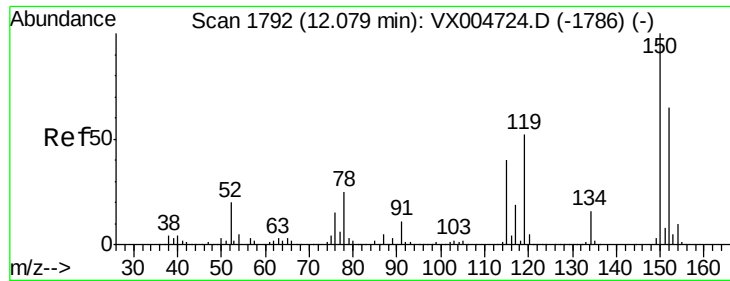
#70
Styrene
Concen: 2.166 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004969.D
Acq: 03 Oct 2018 15:16

Tgt Ion:104 Resp: 278
Ion Ratio Lower Upper
104 100
78 38.1 40.0 60.0#
103 45.7 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): 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: VX004969.D

Acq: 03 Oct 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBL01

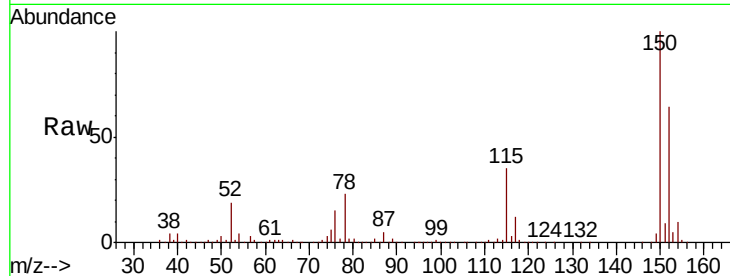
Tot Ion:152 Resp: 219442

Ion Ratio Lower Upper

152 100

115 55.6 40.2 120.6

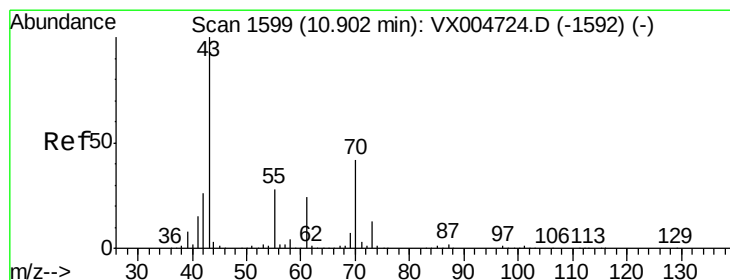
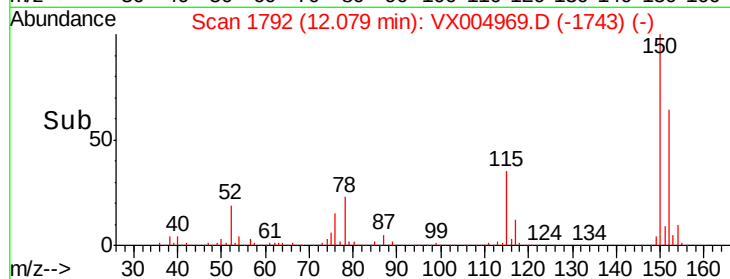
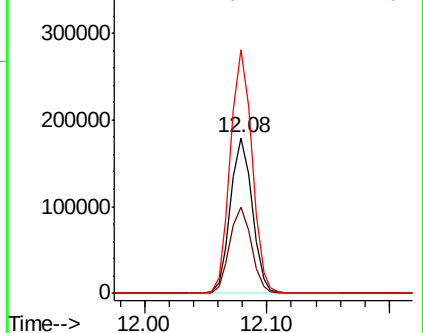
150 156.7 0.0 351.0



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-ethyl acetate

Concen: 1.777 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX004969.D

Acq: 03 Oct 2018 15:16

Tgt Ion: 43 Resp: 230

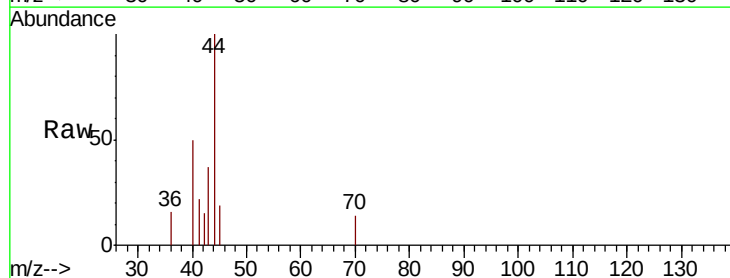
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 10.0 21.6 32.4#

61 0.0 19.1 28.7#

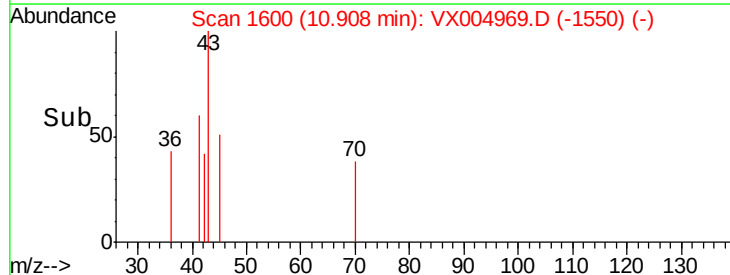
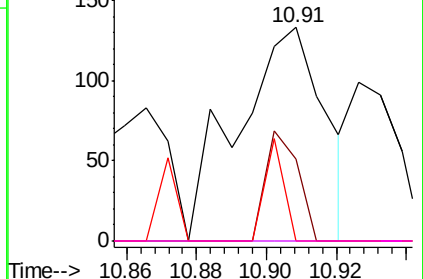


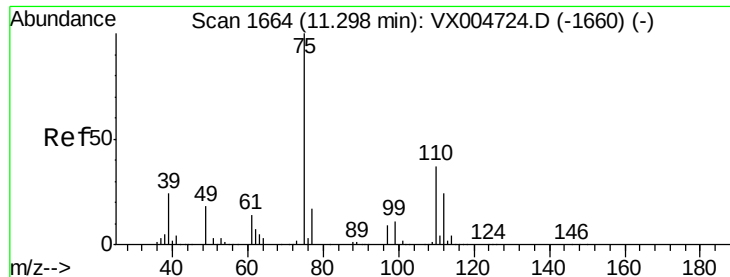
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

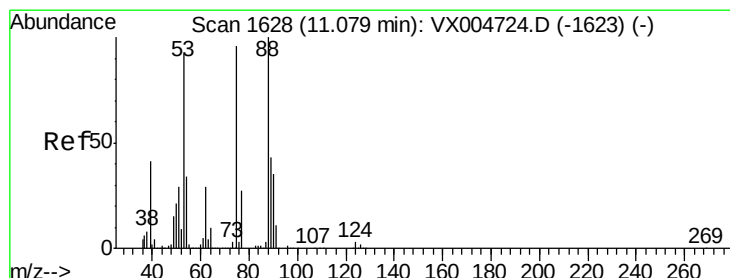
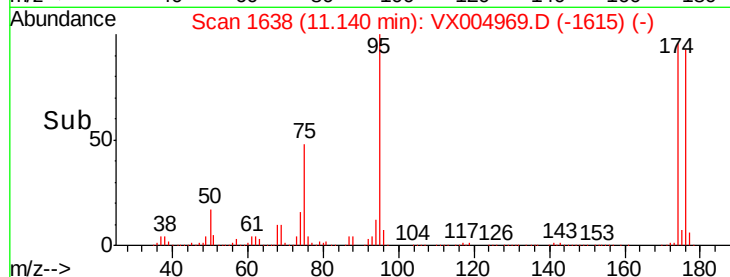
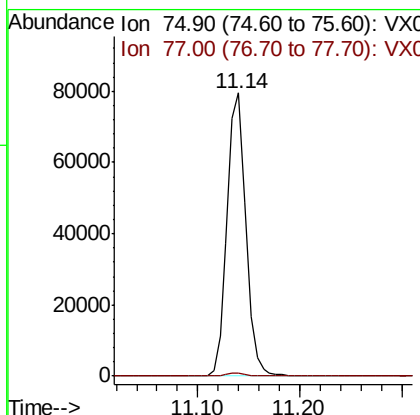
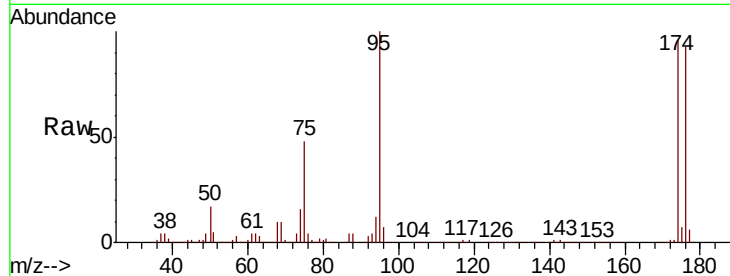




#76
 1,2,3-Trichloropropane
 Concen: 20.683 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004969.D
 Acq: 03 Oct 2018 15:16

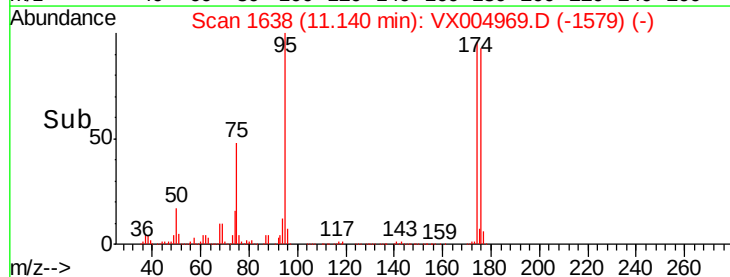
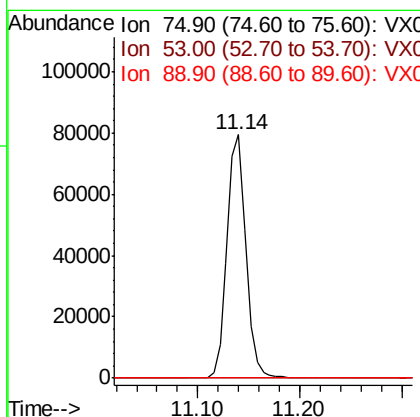
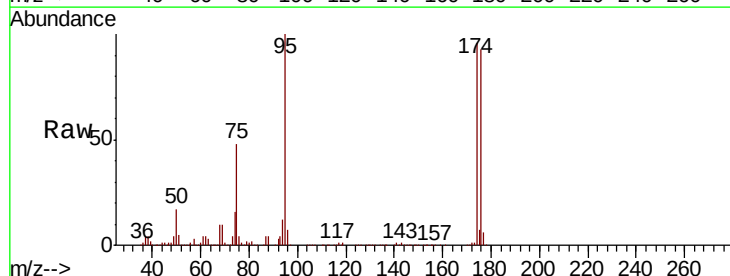
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBL01

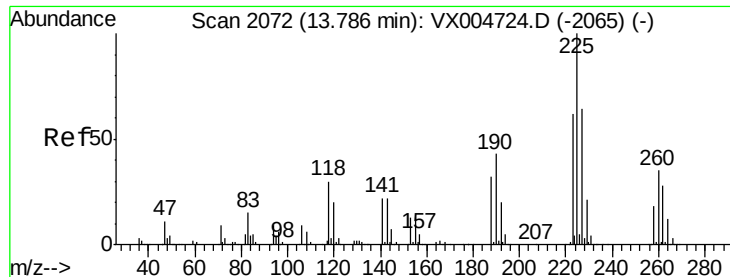
Tot Ion: 75 Resp: 101730
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.4 64.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.156 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004969.D
 Acq: 03 Oct 2018 15:16

Tgt Ion: 75 Resp: 101730
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.2 120.4#
 89 0.0 37.1 55.7#





#94

Hexachlorobutadiene

Concen: 0.209 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VX004969.D

Acq: 03 Oct 2018 15:16

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBL01

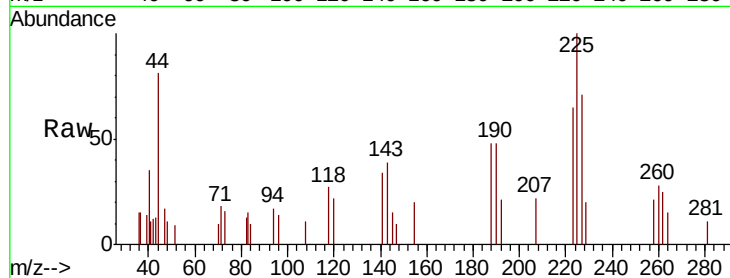
Tot Ion:225 Resp: 597

Ion Ratio Lower Upper

225 100

223 77.9 31.3 93.8

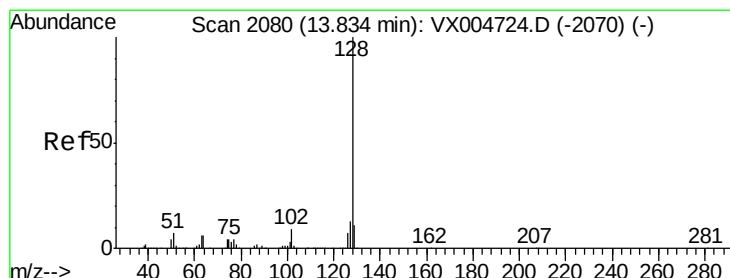
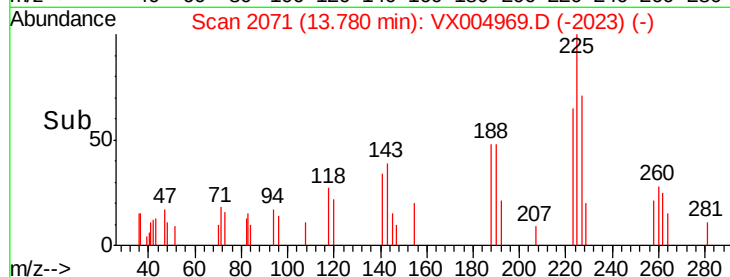
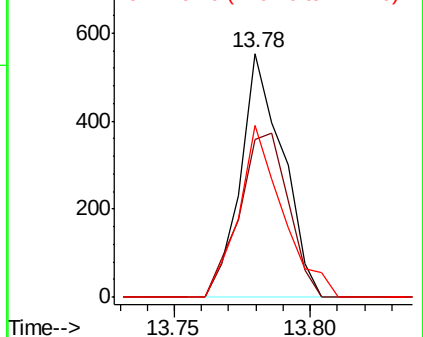
227 73.0 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.837 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004969.D

Acq: 03 Oct 2018 15:16

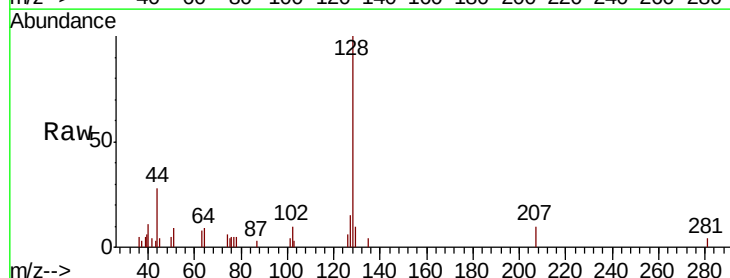
Tgt Ion:128 Resp: 2167

Ion Ratio Lower Upper

128 100

127 15.5 10.4 15.6

129 9.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

