

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009423.D
 Acq On : 09 May 2019 13:28
 Operator : JC/SP
 Sample : K2757-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:06:19 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	5.67	168	187610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	298520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	106262	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	120478	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
35) Dibromofluoromethane	5.50	113	90091	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	8.71	98	371512	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.13	95	119800	43.52	ug/l	0.00
Spiked Amount			Recovery	=	87.04%	

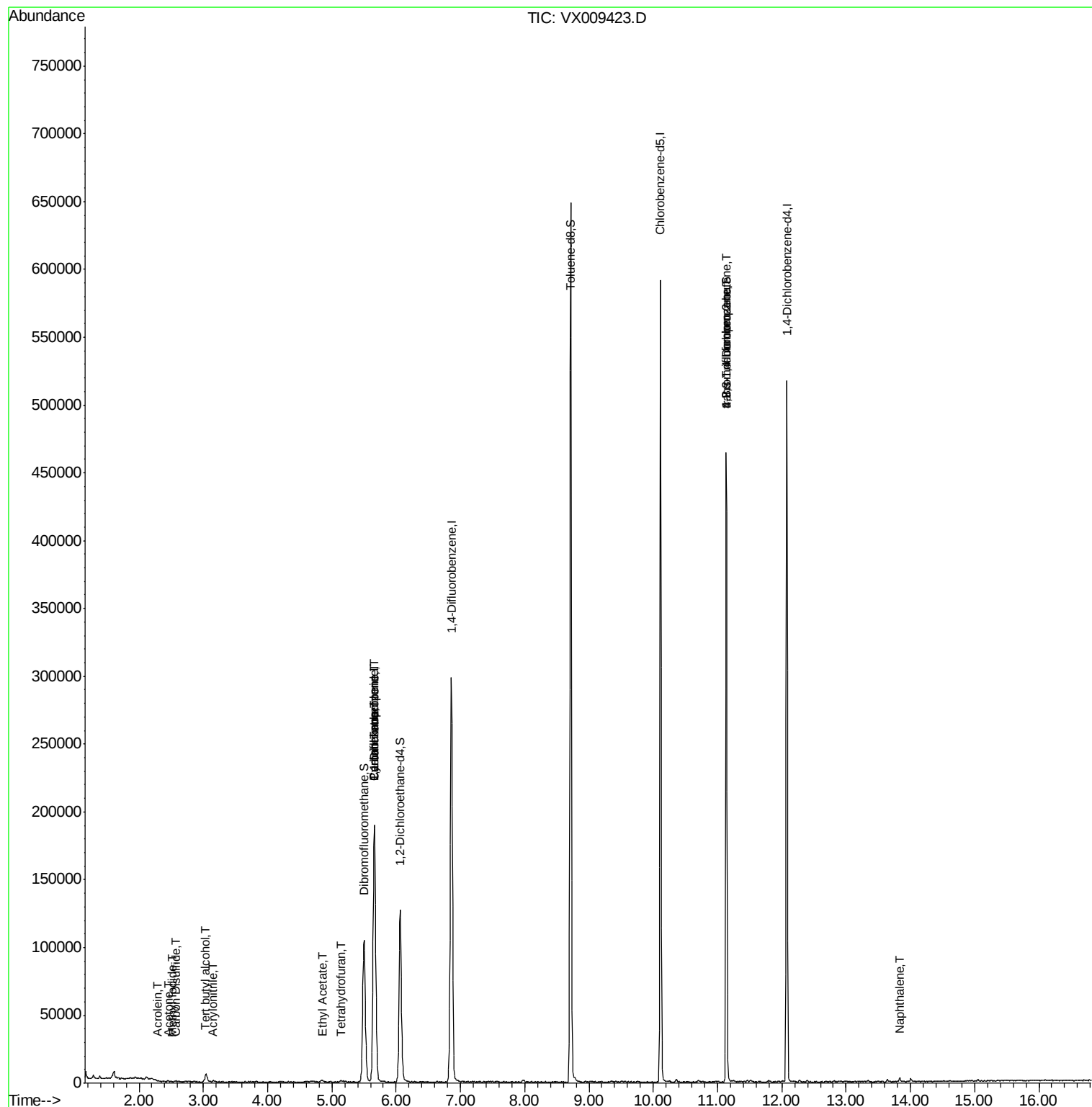
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	304	4.729	ug/l #	65
11) Tert butyl alcohol	3.04	59	6865	11.580	ug/l #	93
13) Acrolein	2.29	56	268	0.499	ug/l #	58
15) Acrylonitrile	3.15	53	492	0.339	ug/l #	81
16) Acetone	2.45	43	879	0.639	ug/l #	82
17) Carbon Disulfide	2.57	76	1134	0.229	ug/l #	72
28) Bromochloromethane	5.03	49	49	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	1210	0.880	ug/l #	57
31) Cyclohexane	5.67	56	4137	1.093	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14399	5.190	ug/l #	50
37) Ethyl Acetate	4.85	43	1967	0.509	ug/l #	83
38) Carbon Tetrachloride	5.66	117	17243	6.841	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	60621	24.594	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60621	62.927	ug/l #	10
95) Naphthalene	13.83	128	1704	0.220	ug/l #	91

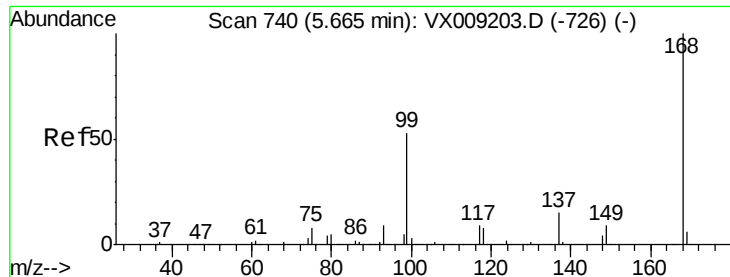
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009423.D

Acq: 09 May 2019 13:28

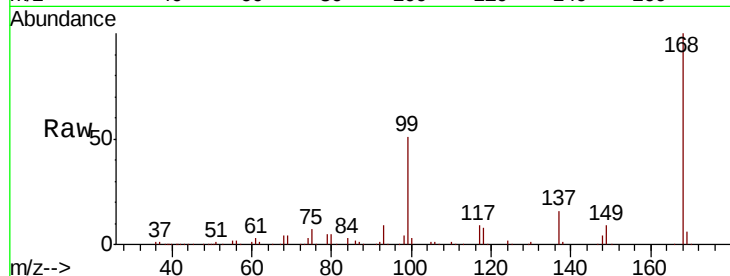
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 187610

Ion Ratio Lower Upper

168 100

99 51.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

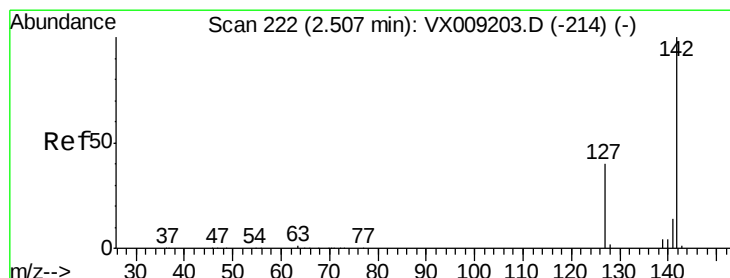
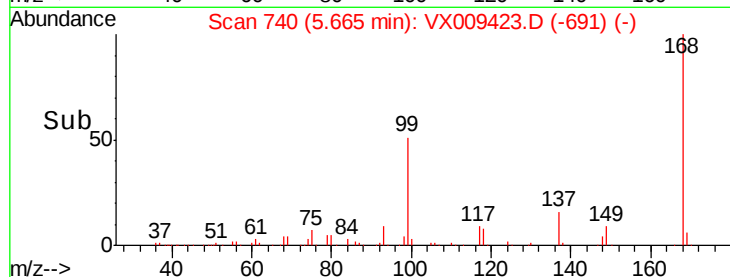
40000

20000

0

Time-->

5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.729 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009423.D

Acq: 09 May 2019 13:28

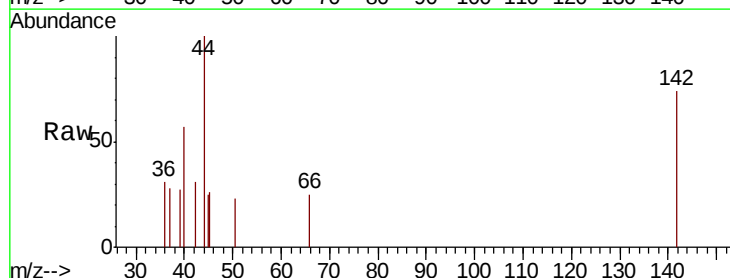
Tgt Ion:142 Resp: 304

Ion Ratio Lower Upper

142 100

127 18.8 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

250

200

150

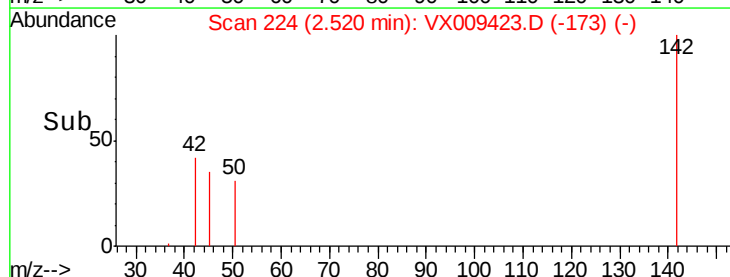
100

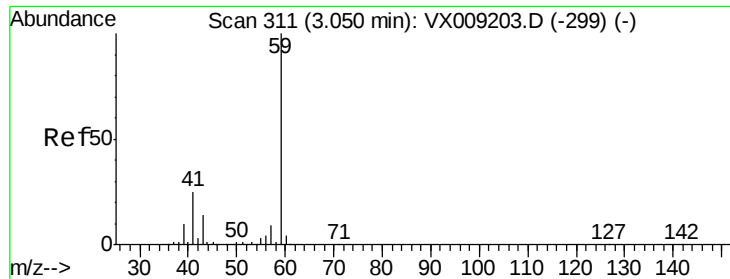
50

0

Time-->

2.50 2.55

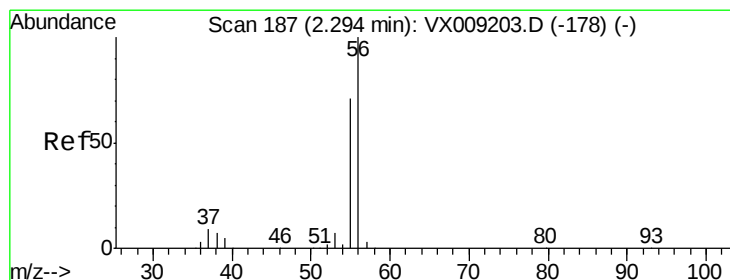
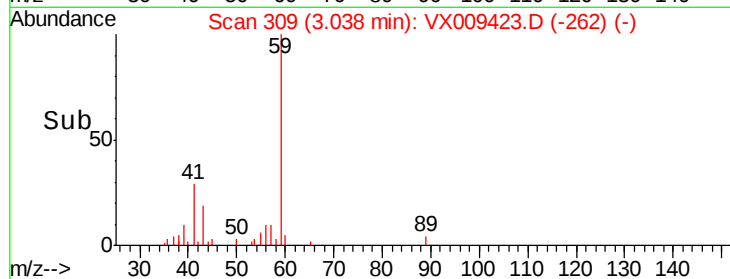
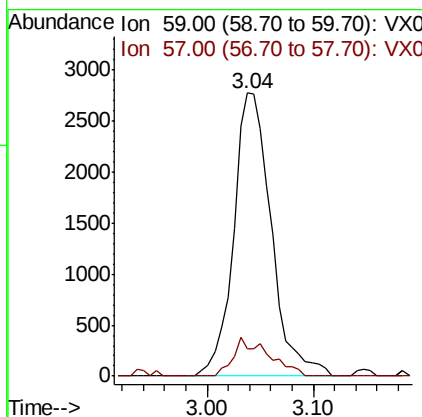
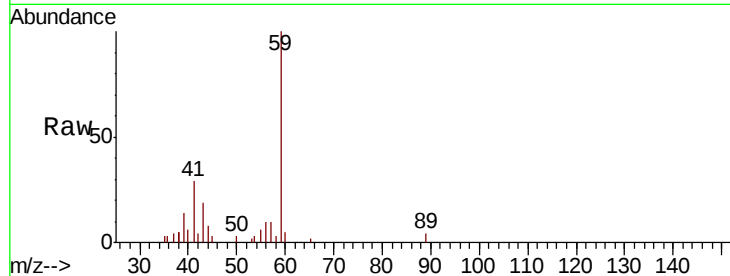




#11
Tert butyl alcohol
Concen: 11.580 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009423.D
Acq: 09 May 2019 13:28

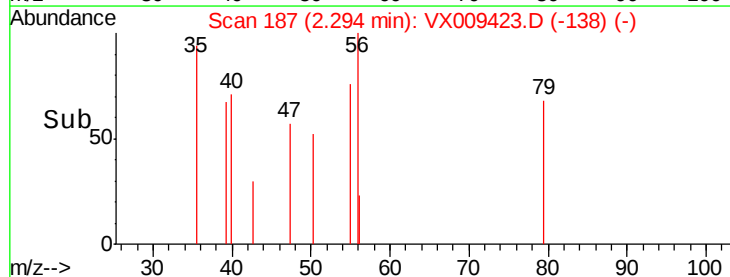
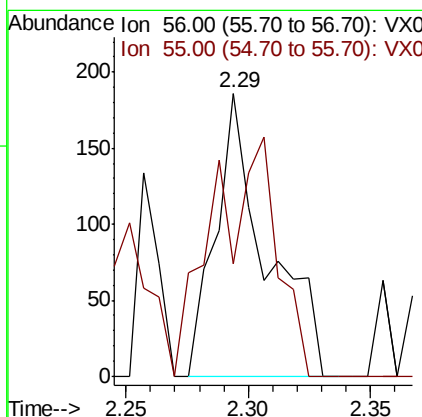
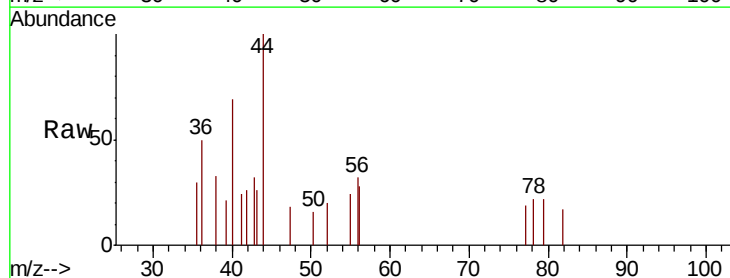
Instrument :
MSVOA_X
ClientSampled :

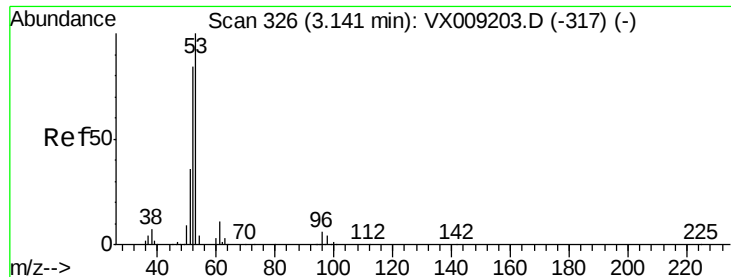
Tot Ion: 59 Resp: 6865
Ion Ratio Lower Upper
59 100
57 12.8 8.2 12.2#



#13
Acrolein
Concen: 0.499 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009423.D
Acq: 09 May 2019 13:28

Tgt Ion: 56 Resp: 268
Ion Ratio Lower Upper
56 100
55 105.2 56.6 85.0#





#15

Acrylonitrile

Concen: 0.339 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

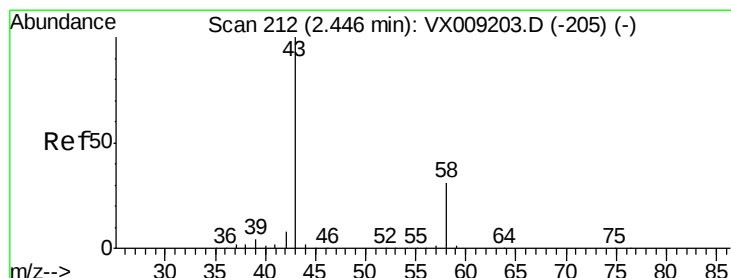
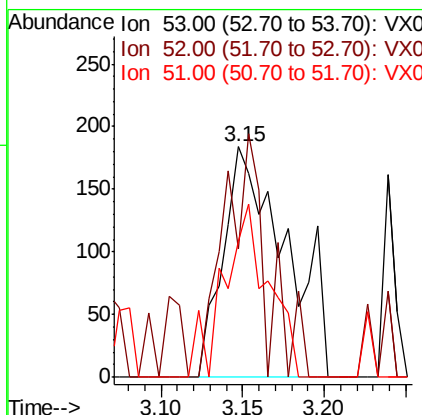
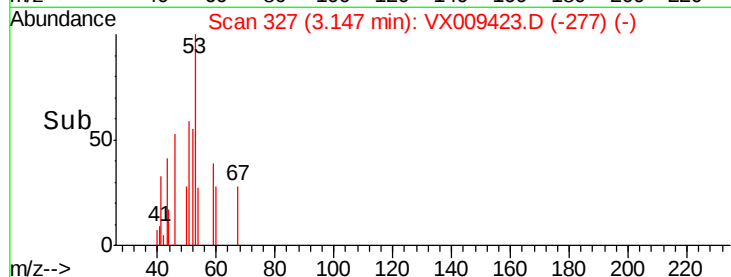
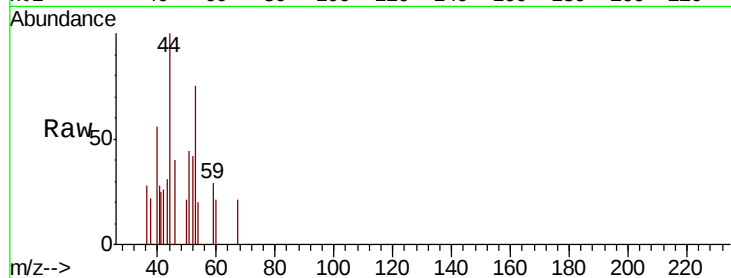
Lab File: VX009423.D

Acq: 09 May 2019 13:28

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 53 Resp: 492

Ion	Ratio	Lower	Upper
53	100		
52	70.5	66.9	100.3
51	53.5	28.2	42.2#



#16

Acetone

Concen: 0.639 ug/l

RT: 2.45 min Scan# 212

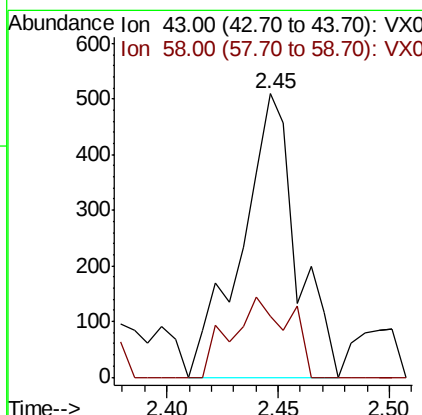
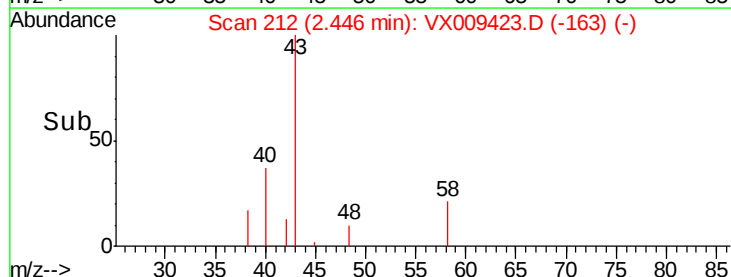
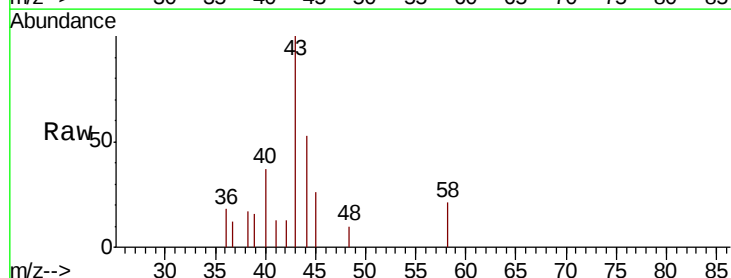
Delta R.T. 0.00 min

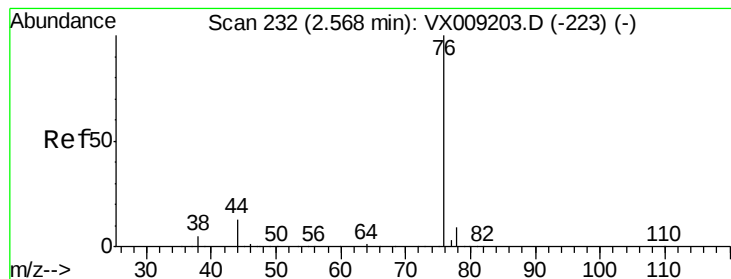
Lab File: VX009423.D

Acq: 09 May 2019 13:28

Tgt Ion: 43 Resp: 879

Ion	Ratio	Lower	Upper
43	100		
58	21.4	24.9	37.3#





#17

Carbon Disulfide

Concen: 0.229 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009423.D

Acq: 09 May 2019 13:28

Instrument :

MSVOA_X

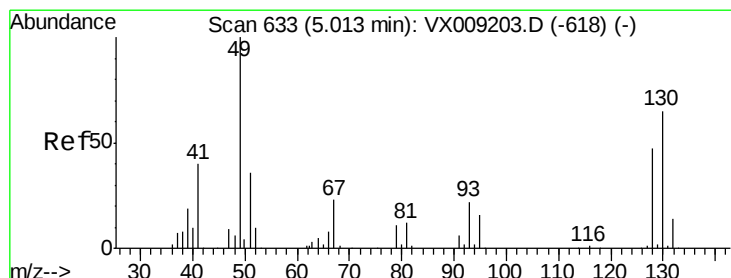
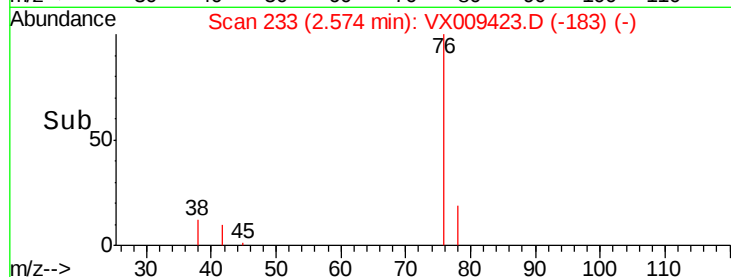
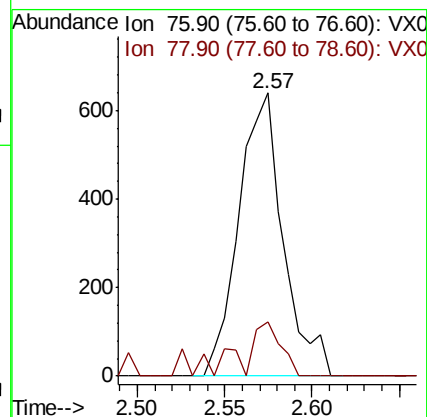
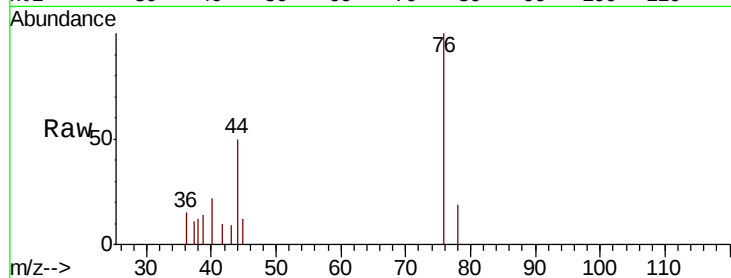
ClientSampleId :

Tot Ion: 76 Resp: 1134

Ion Ratio Lower Upper

76 100

78 19.4 7.4 11.0#



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.02 min

Lab File: VX009423.D

Acq: 09 May 2019 13:28

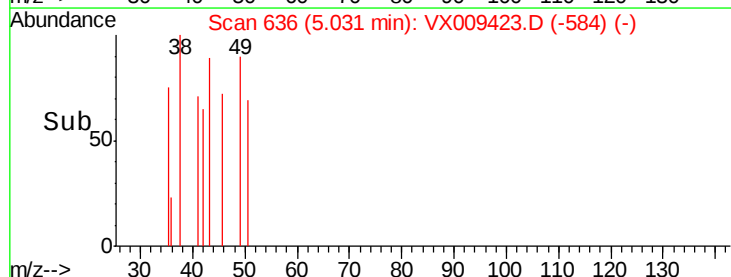
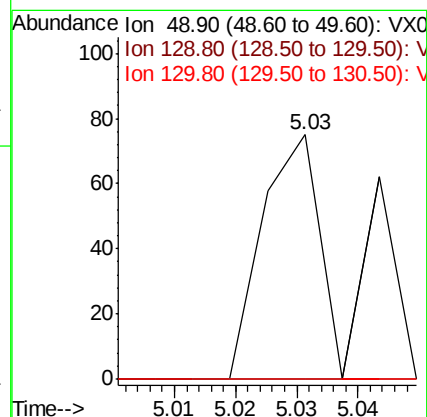
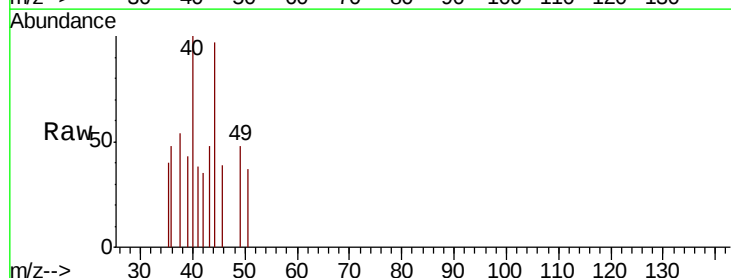
Tgt Ion: 49 Resp: 49

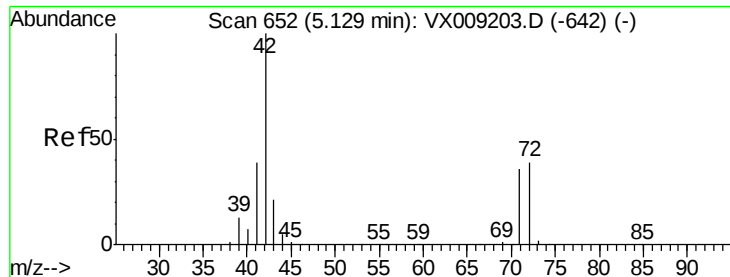
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#





#29

Tetrahydrofuran

Concen: 0.880 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009423.D

Acq: 09 May 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

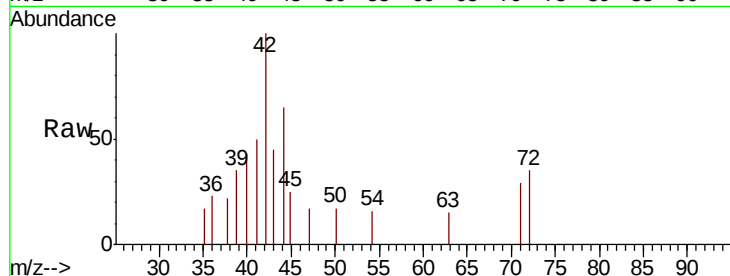
Tot Ion: 42 Resp: 1210

Ion Ratio Lower Upper

42 100

72 0.0 30.4 45.6#

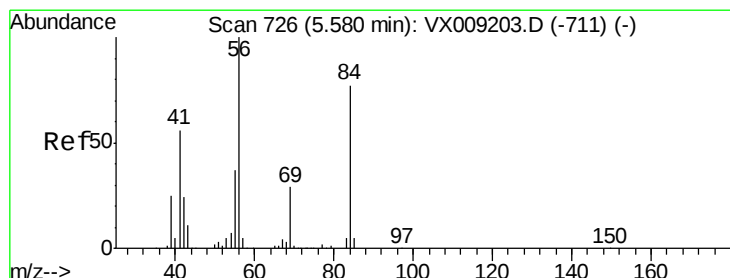
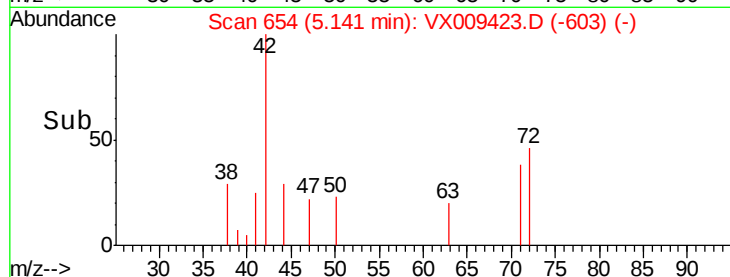
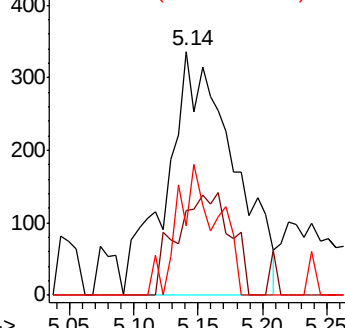
71 22.7 28.6 43.0#



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



#31

Cyclohexane

Concen: 1.093 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009423.D

Acq: 09 May 2019 13:28

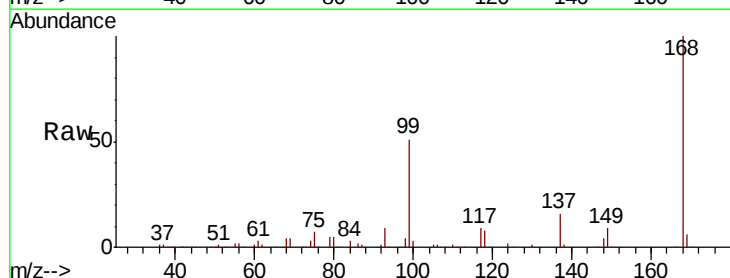
Tgt Ion: 56 Resp: 4137

Ion Ratio Lower Upper

56 100

69 168.7 23.4 35.0#

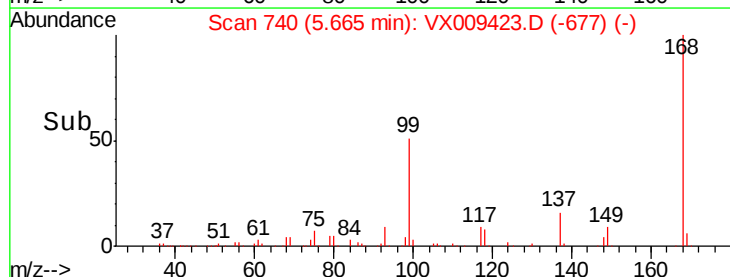
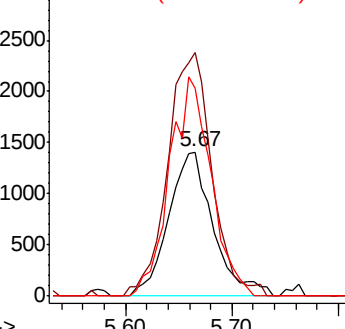
84 144.1 61.9 92.9#



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

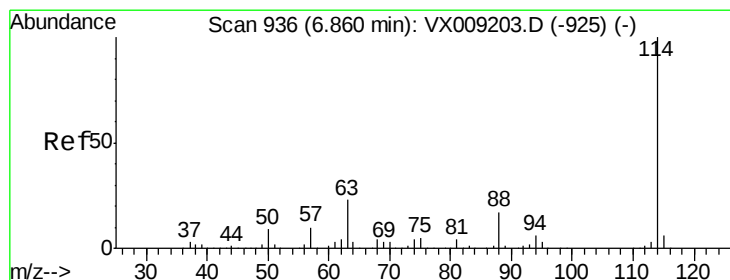
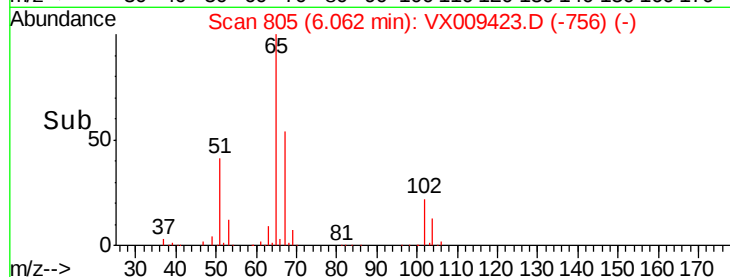
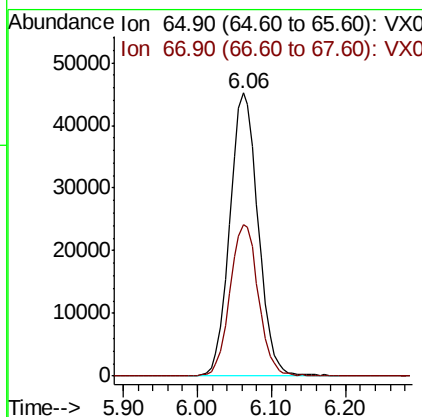
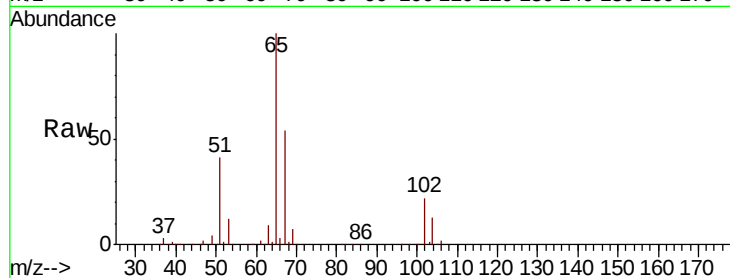




#33
 1,2-Dichloroethane-d4
 Concen: 47.042 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009423.D
 Acq: 09 May 2019 13:28

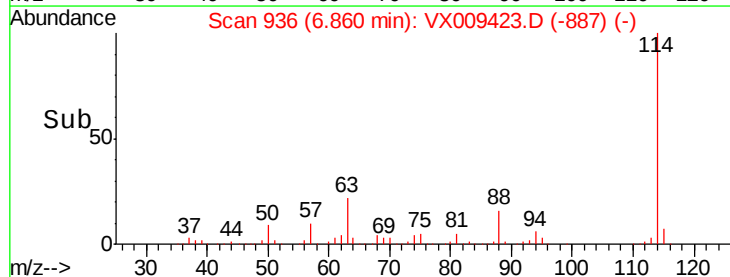
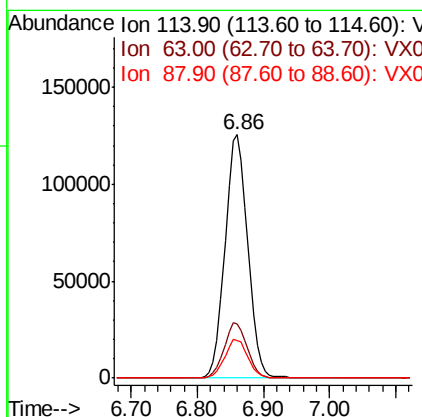
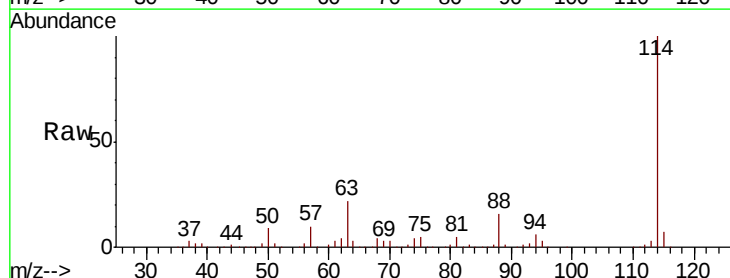
Instrument :
 MSVOA_X
 ClientSampled :

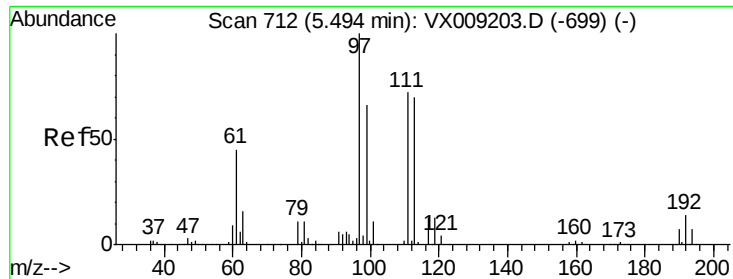
Tot Ion: 65 Resp: 120478
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009423.D
 Acq: 09 May 2019 13:28

Tgt Ion: 114 Resp: 298520
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.6
 88 15.6 0.0 33.2

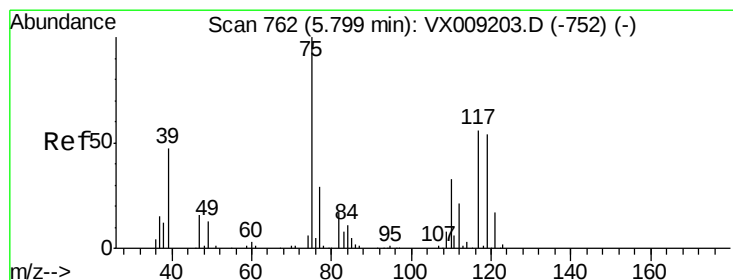
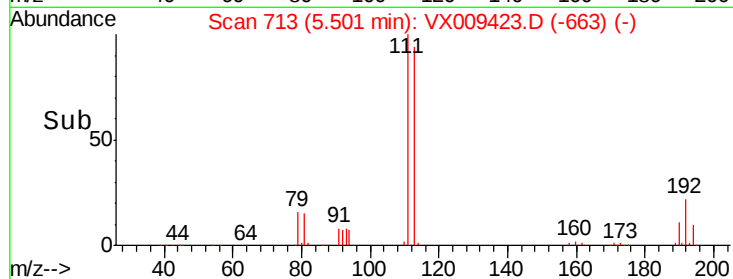
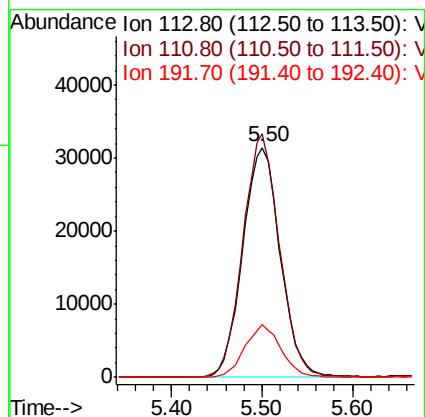
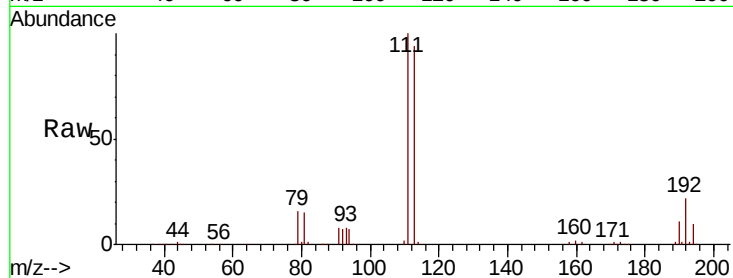




#35
 Dibromofluoromethane
 Concen: 48.007 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009423.D
 Acq: 09 May 2019 13:28

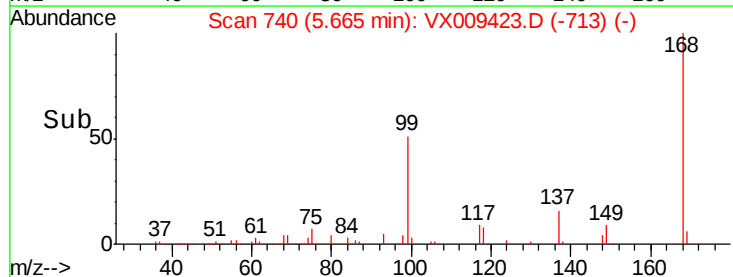
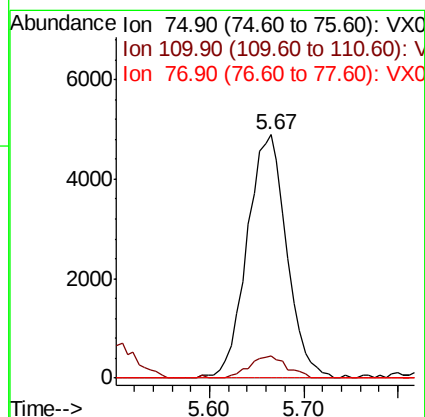
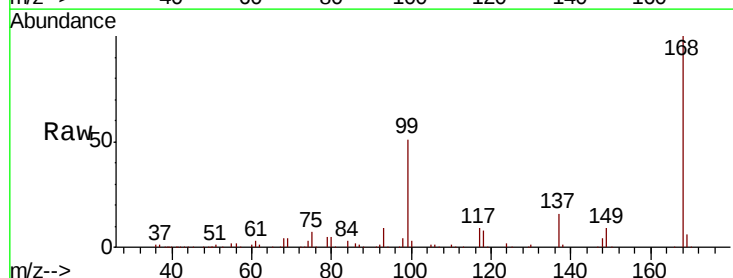
Instrument :
 MSVOA_X
 ClientSampleId :

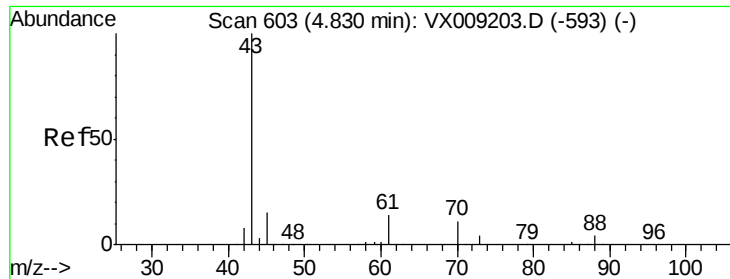
Tot Ion:113 Resp: 90091
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.190 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009423.D
 Acq: 09 May 2019 13:28

Tgt Ion: 75 Resp: 14399
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.9 50.6#
 77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.509 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.02 min

Lab File: VX009423.D

Acq: 09 May 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

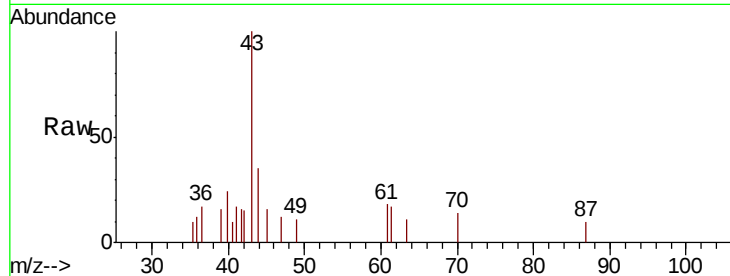
Tot Ion: 43 Resp: 1967

Ion Ratio Lower Upper

43 100

61 24.1 10.5 15.7#

70 8.5 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX009423.D (-593) (-)

Ion 60.90 (60.60 to 61.60): VX009423.D (-593) (-)

Ion 70.00 (69.70 to 70.70): VX009423.D (-593) (-)

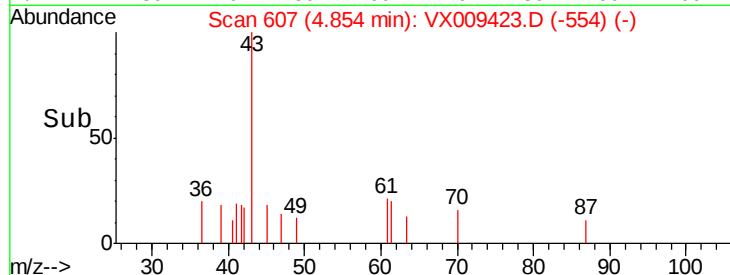
4.85

4.80

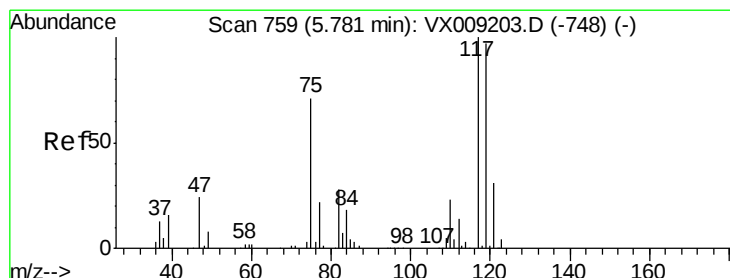
4.85

4.90

4.95



Time-->



#38

Carbon Tetrachloride

Concen: 6.841 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009423.D

Acq: 09 May 2019 13:28

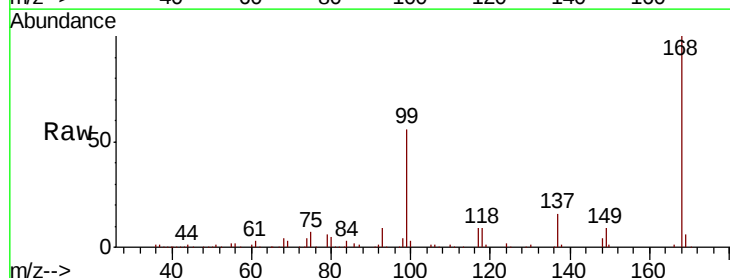
Tgt Ion: 117 Resp: 17243

Ion Ratio Lower Upper

117 100

119 6.8 77.5 116.3#

121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): VX009423.D (-710) (-)

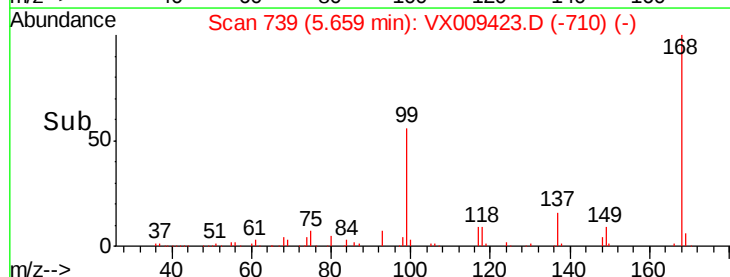
Ion 118.80 (118.50 to 119.50): VX009423.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX009423.D (-710) (-)

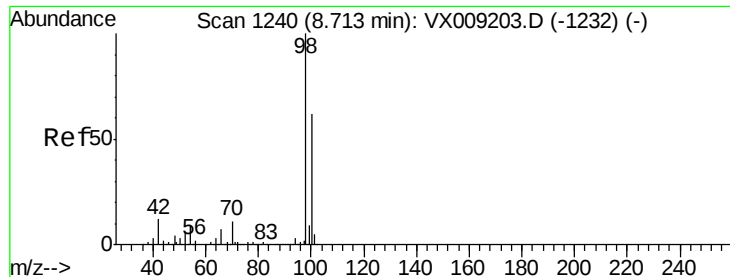
5.66

5.60

5.70



Time-->



#50

Toluene-d8

Concen: 49.036 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009423.D

Acq: 09 May 2019 13:28

Instrument :

MSVOA_X

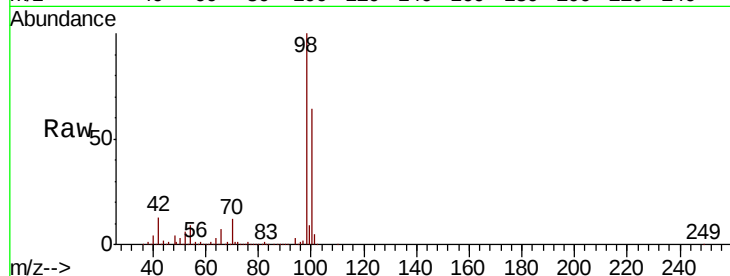
ClientSampled :

Tot Ion: 98 Resp: 371512

Ion Ratio Lower Upper

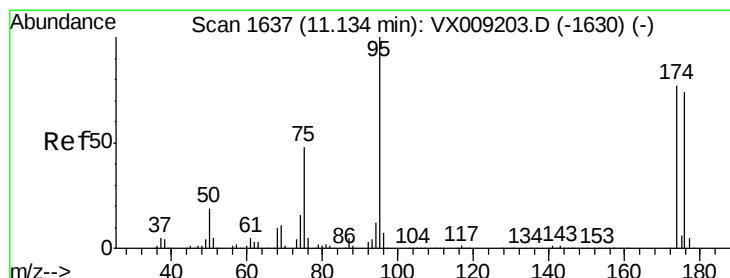
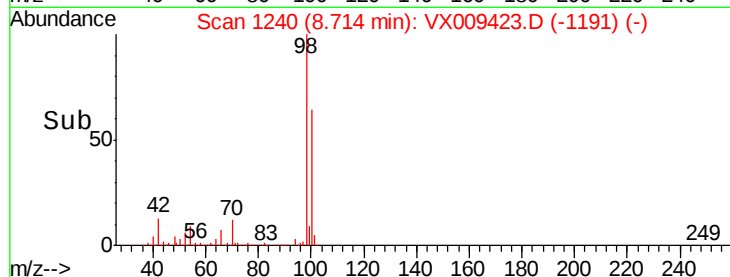
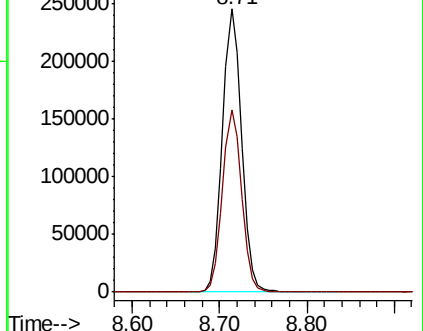
98 100

100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.517 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009423.D

Acq: 09 May 2019 13:28

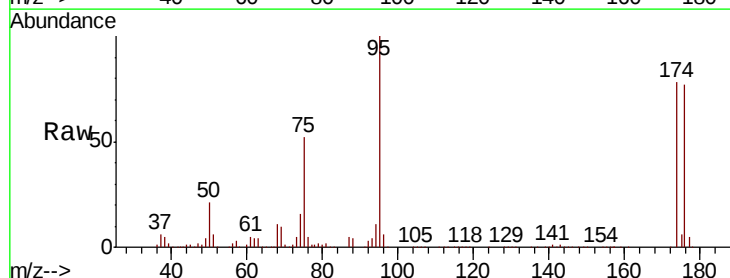
Tgt Ion: 95 Resp: 119800

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

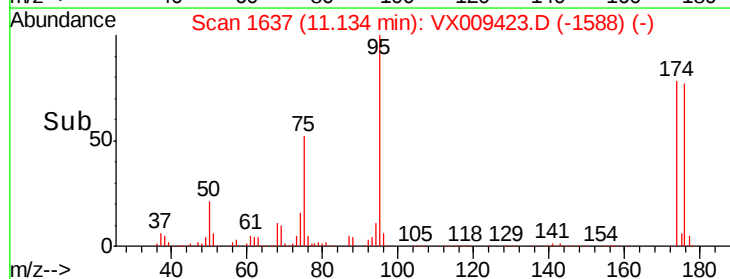
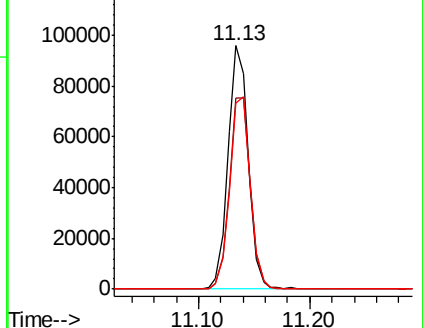
176 80.7 0.0 159.2

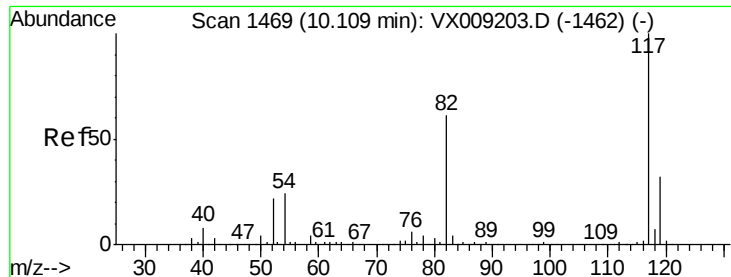


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

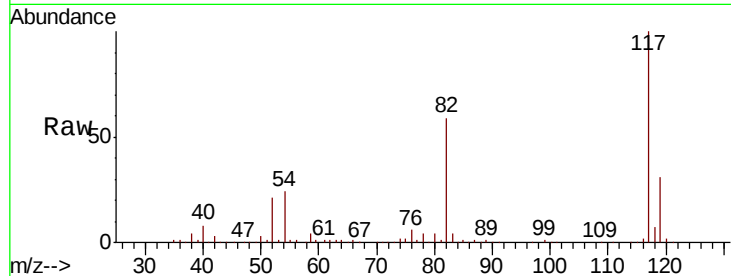




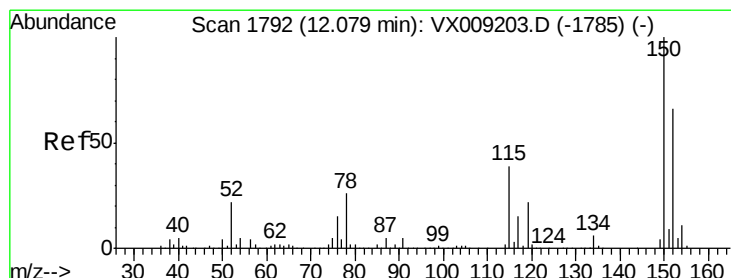
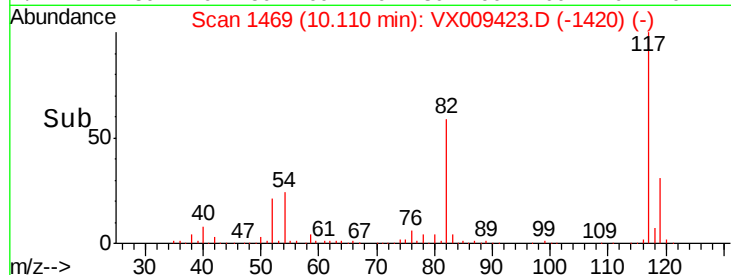
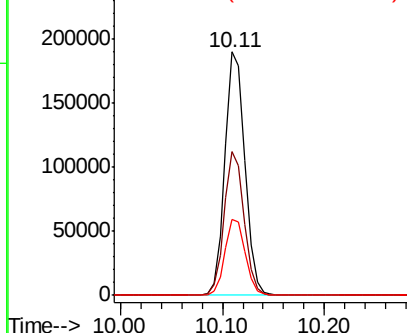
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009423.D
Acq: 09 May 2019 13:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 257918
Ion Ratio Lower Upper
117 100
82 59.2 48.8 73.2
119 31.3 25.8 38.6

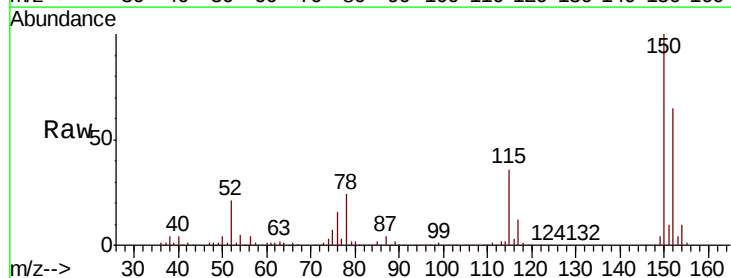


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

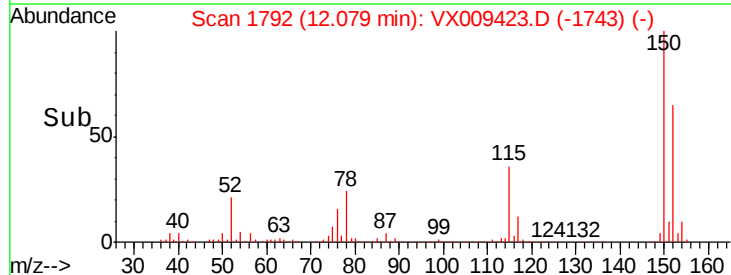
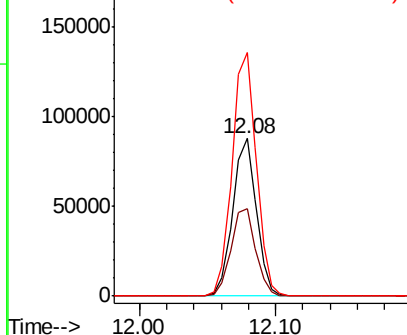


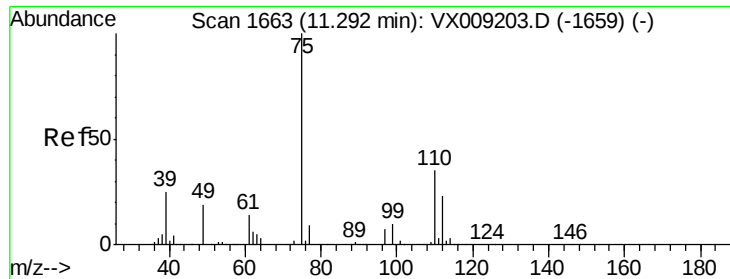
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009423.D
Acq: 09 May 2019 13:28

Tgt Ion:152 Resp: 106262
Ion Ratio Lower Upper
152 100
115 58.3 41.2 123.6
150 158.4 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: 24.594 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009423.D

Acq: 09 May 2019 13:28

Instrument :

MSVOA_X

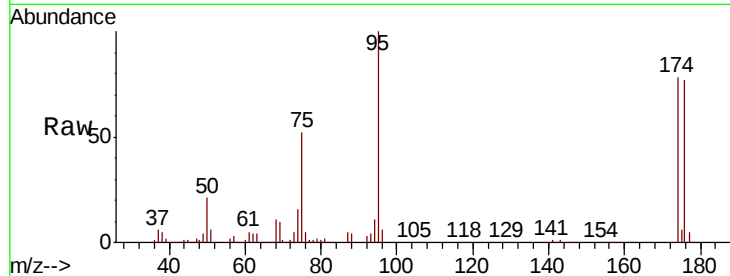
ClientSampleId :

Tot Ion: 75 Resp: 60621

Ion Ratio Lower Upper

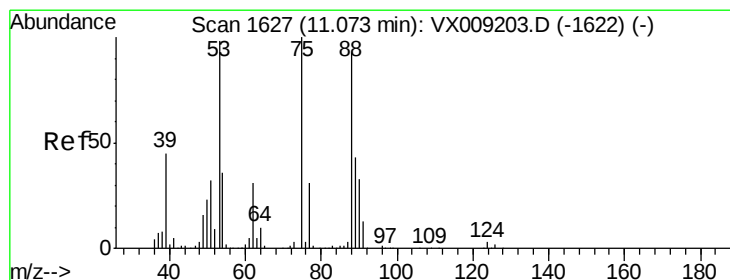
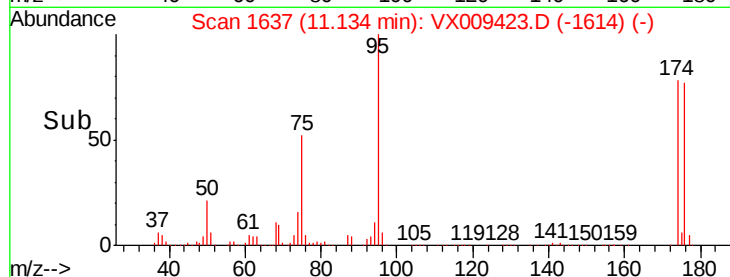
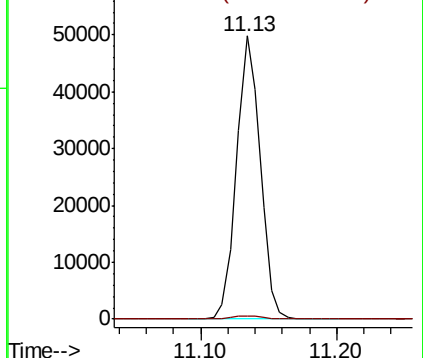
75 100

77 1.4 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: 62.927 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009423.D

Acq: 09 May 2019 13:28

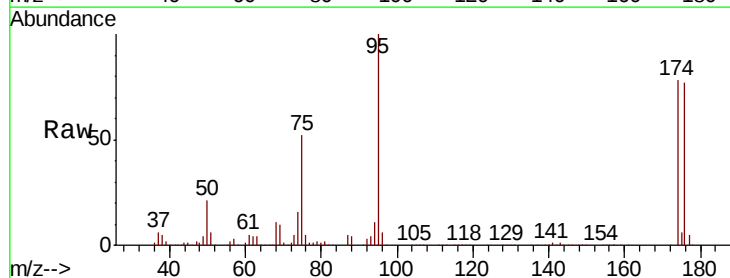
Tgt Ion: 75 Resp: 60621

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

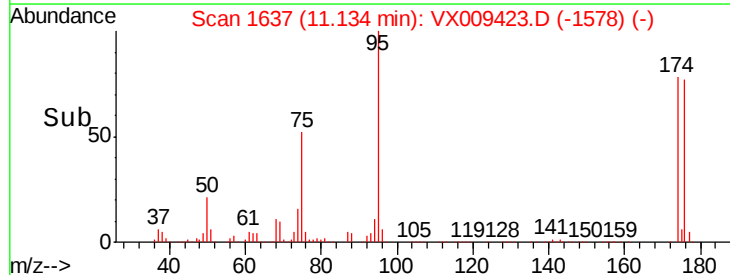
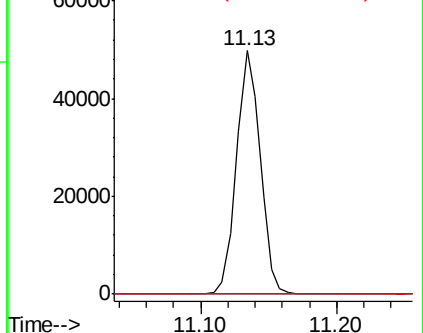
89 0.0 34.7 52.1#

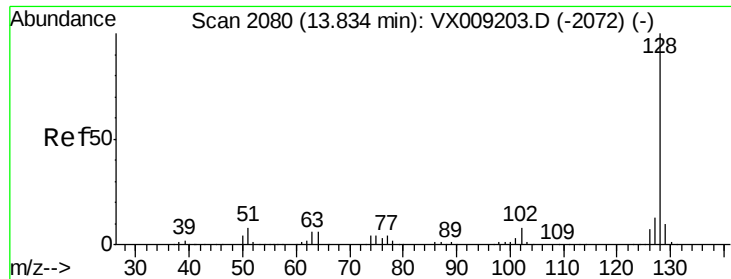


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

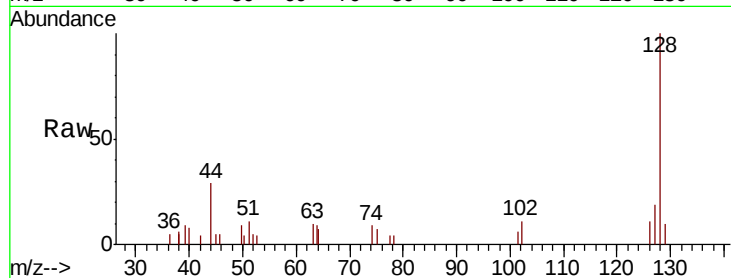




#95
Naphthalene
Concen: 0.220 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009423.D
Acq: 09 May 2019 13:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.0	10.4	15.6
129	12.4	8.6	13.0



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

