

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\
 Data File : VX005854.D
 Acq On : 09 Nov 2018 11:56
 Operator : JC/MD
 Sample : VX1109WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109WBL01

Quant Time: Nov 11 23:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	100137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	149371	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	128363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	62331	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	61058	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
35) Dibromofluoromethane	5.50	113	49692	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	8.71	98	171456	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.14	95	57814	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	

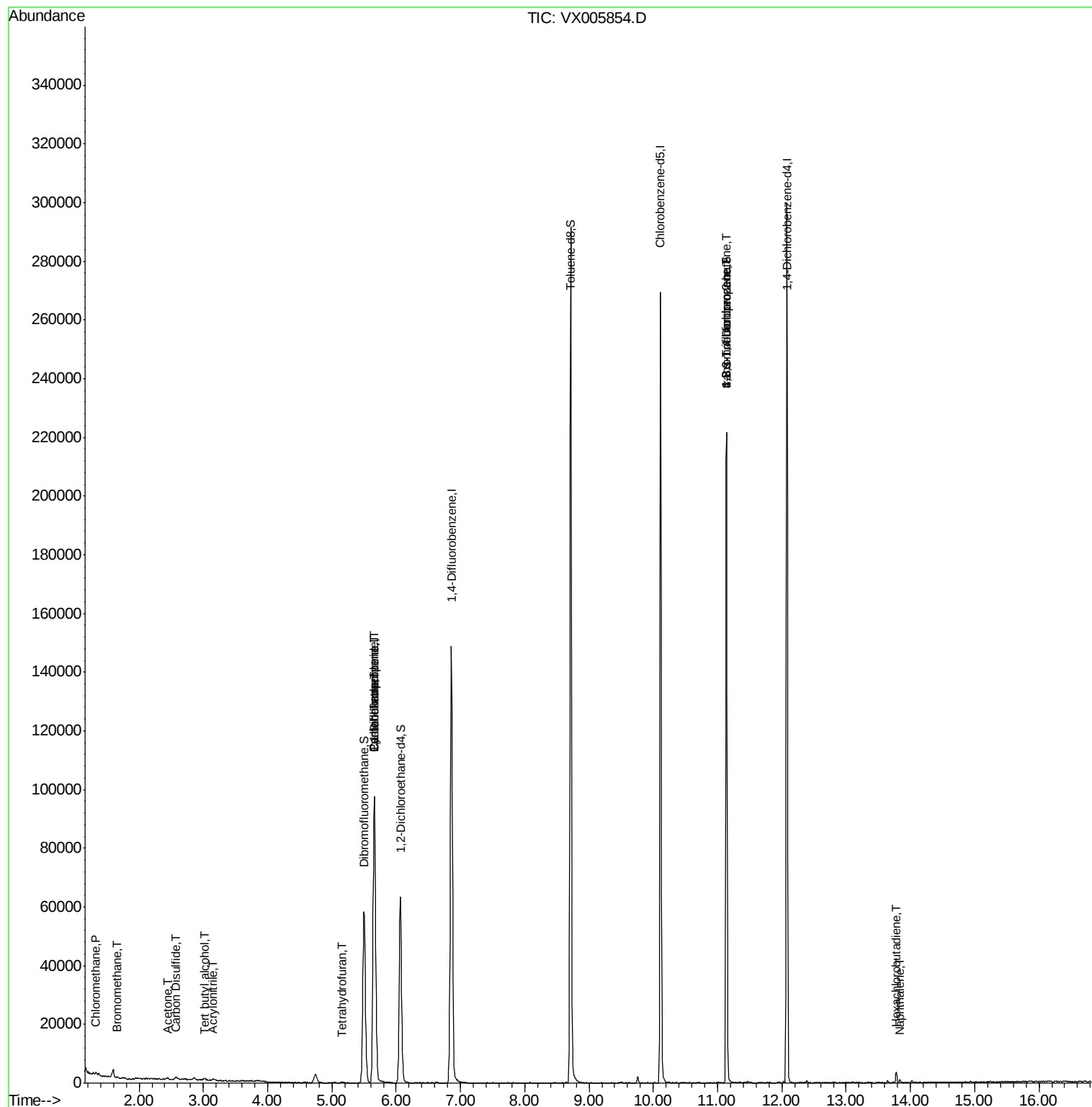
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	289	0.244	ug/l #	87
5) Bromomethane	1.65	94	209	0.287	ug/l #	63
11) Tert butyl alcohol	3.02	59	598	1.813	ug/l #	72
15) Acrylonitrile	3.15	53	298	0.436	ug/l #	89
16) Acetone	2.44	43	597	0.963	ug/l	94
17) Carbon Disulfide	2.57	76	1021	0.387	ug/l #	92
18) Methyl Acetate	2.78	43	368	Below Cal	#	55
29) Tetrahydrofuran	5.15	42	208	0.332	ug/l #	45
31) Cyclohexane	5.65	56	1871	1.167	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	7170	4.979	ug/l #	48
38) Carbon Tetrachloride	5.66	117	8915	6.184	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	28862	22.740	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	28862	72.477	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	106	Below Cal	#	31
94) Hexachlorobutadiene	13.79	225	754	1.044	ug/l	95
95) Naphthalene	13.83	128	898	1.373	ug/l #	91

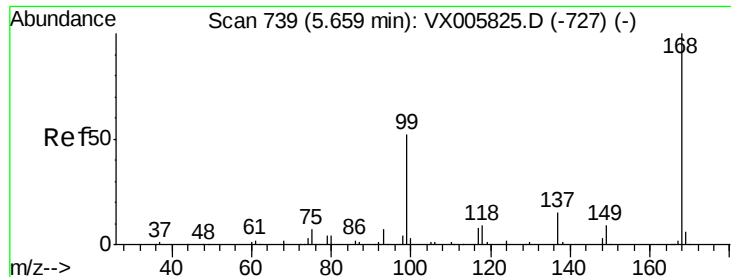
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 11 23:48:13 2018
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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 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: VX005854.D

Acq: 09 Nov 2018 11:56

Instrument :

MSVOA_X

ClientSampleId :

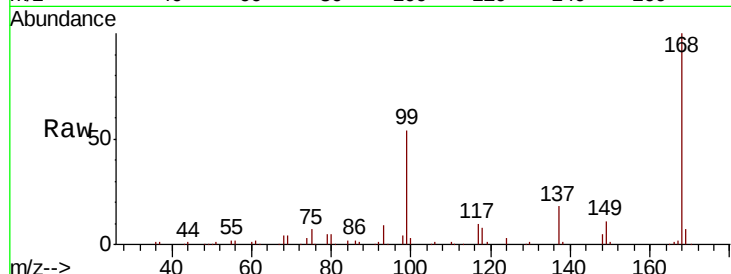
VX1109WBL01

Tot Ion:168 Resp: 100137

Ion Ratio Lower Upper

168 100

99 54.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

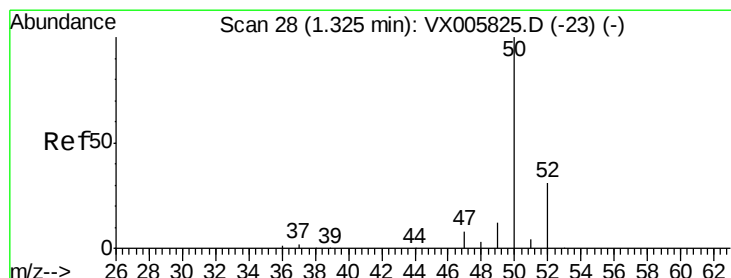
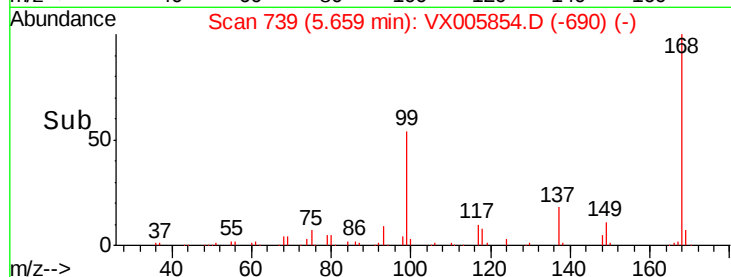
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005854.D

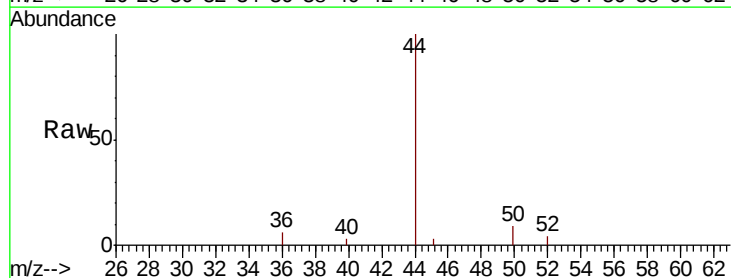
Acq: 09 Nov 2018 11:56

Tgt Ion: 50 Resp: 289

Ion Ratio Lower Upper

50 100

52 39.8 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

300

250

200

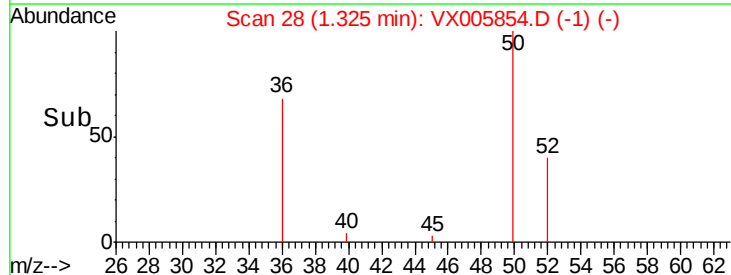
150

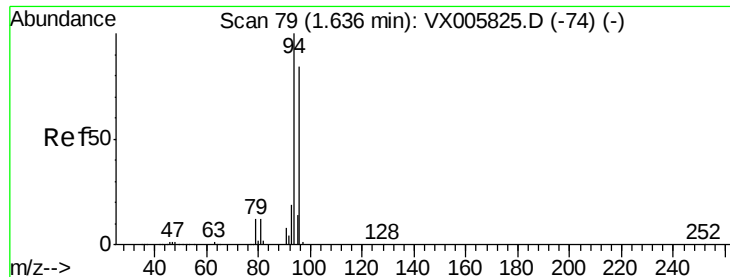
100

50

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.287 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005854.D

Acq: 09 Nov 2018 11:56

Instrument :

MSVOA_X

ClientSampleId :

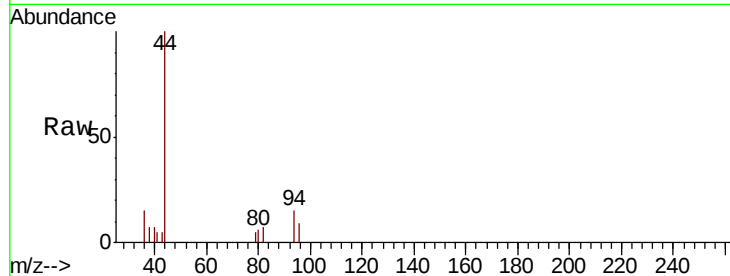
VX1109WBL01

Tot Ion: 94 Resp: 209

Ion Ratio Lower Upper

94 100

96 58.2 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

100

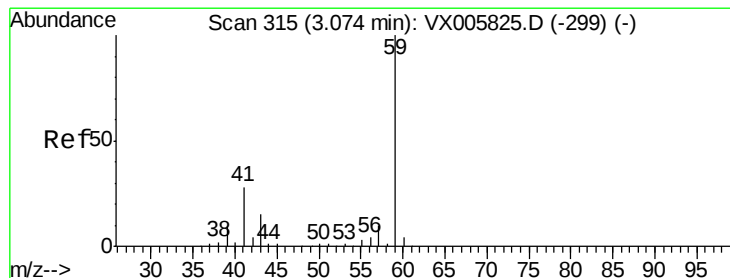
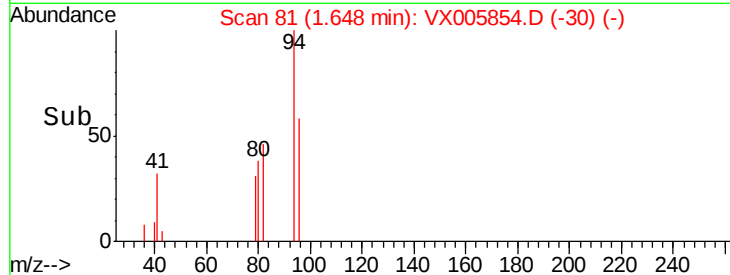
50

0

1.65

1.70

Time-->



#11

Tert butyl alcohol

Concen: 1.813 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX005854.D

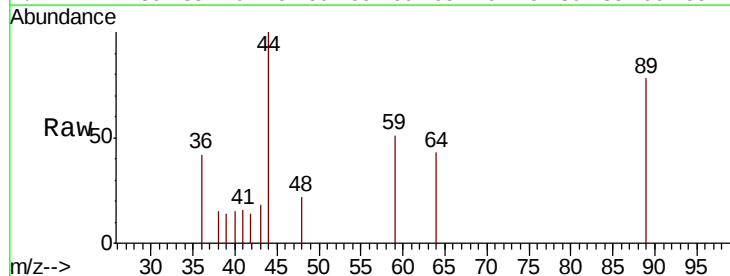
Acq: 09 Nov 2018 11:56

Tgt Ion: 59 Resp: 598

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

200

150

100

50

0

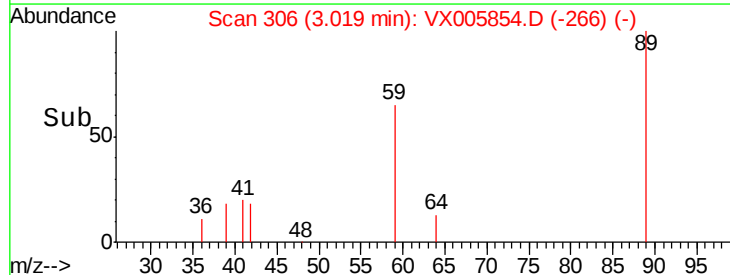
2.95

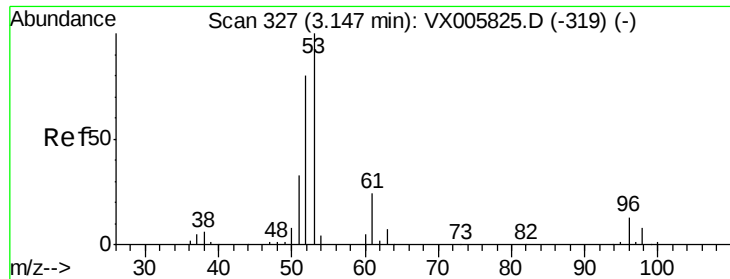
3.00

3.05

3.10

Time-->

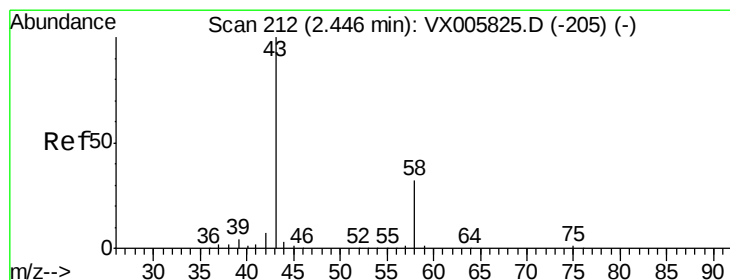
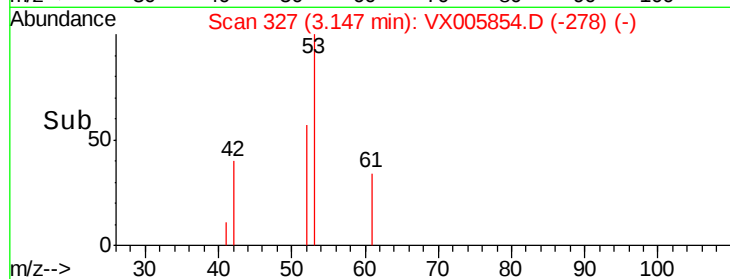
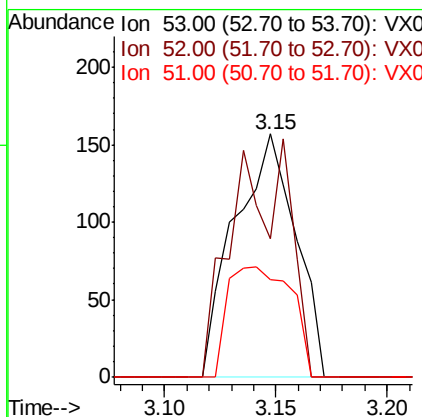
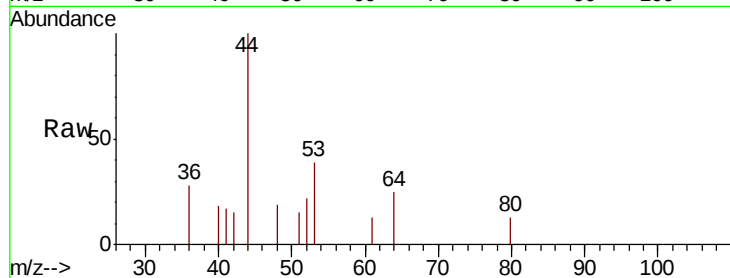




#15
 Acrylonitrile
 Concen: 0.436 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005854.D
 Acq: 09 Nov 2018 11:56

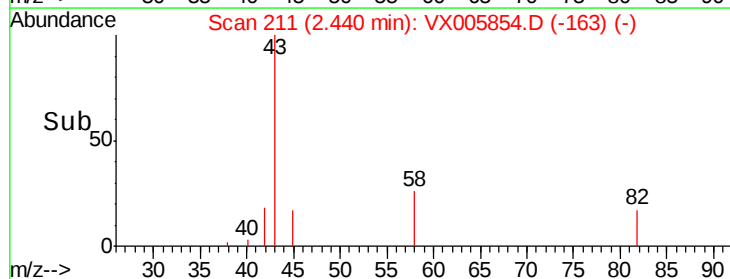
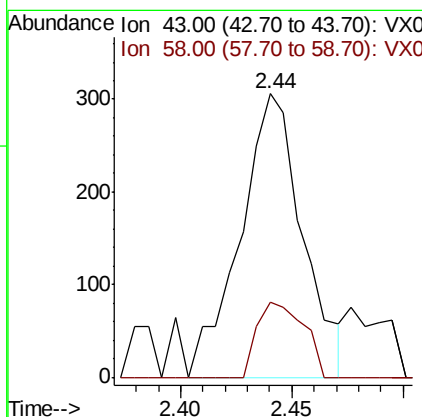
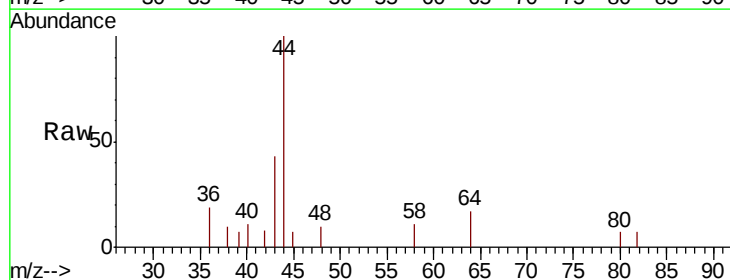
Instrument :
 MSVOA_X
 ClientSampled :
 VX1109WBL01

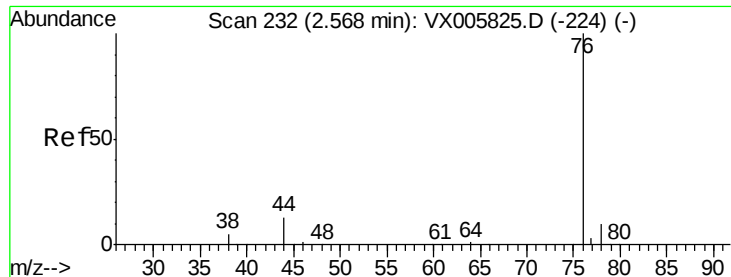
Tot Ion: 53 Resp: 298
 Ion Ratio Lower Upper
 53 100
 52 89.6 66.6 99.8
 51 47.0 28.4 42.6#



#16
 Acetone
 Concen: 0.963 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX005854.D
 Acq: 09 Nov 2018 11:56

Tgt Ion: 43 Resp: 597
 Ion Ratio Lower Upper
 43 100
 58 26.5 23.8 35.6

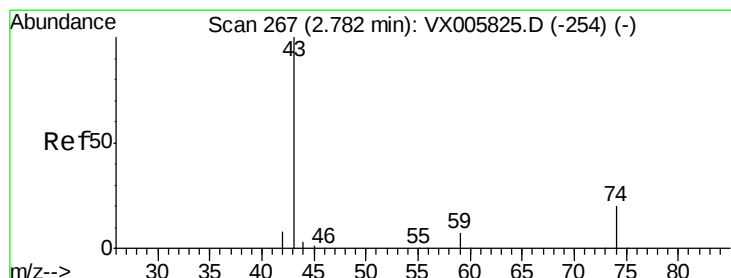
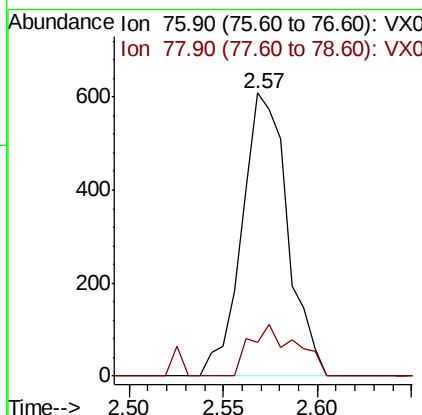
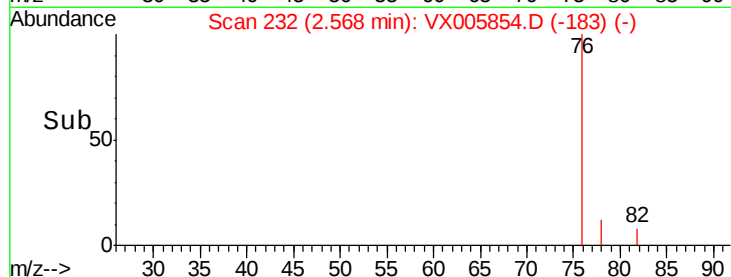
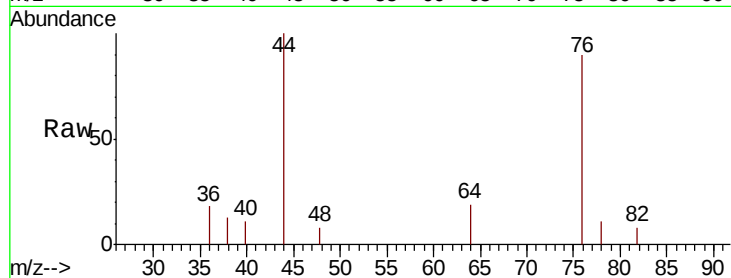




#17
Carbon Disulfide
Concen: 0.387 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005854.D
Acq: 09 Nov 2018 11:56

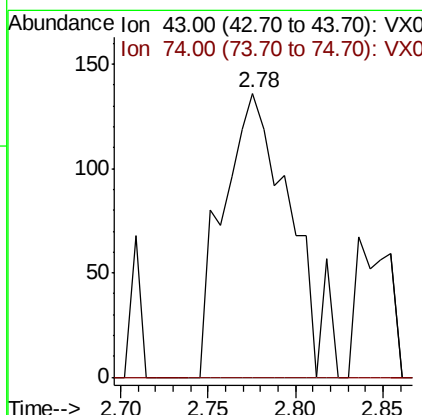
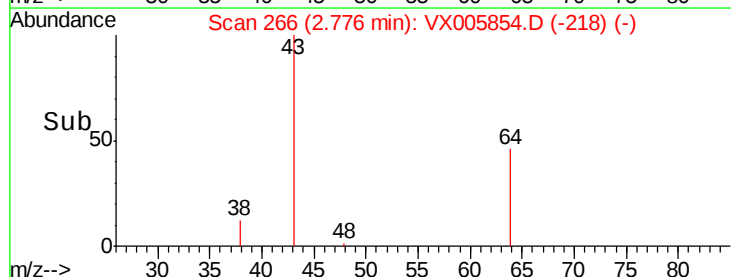
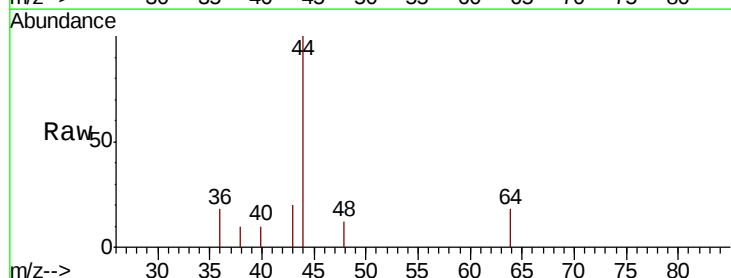
Instrument :
MSVOA_X
ClientSampleId :
VX1109WBL01

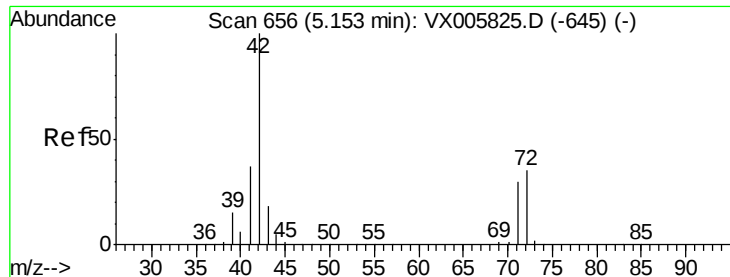
Tot Ion: 76 Resp: 1021
Ion Ratio Lower Upper
76 100
78 12.0 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005854.D
Acq: 09 Nov 2018 11:56

Tgt Ion: 43 Resp: 368
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#

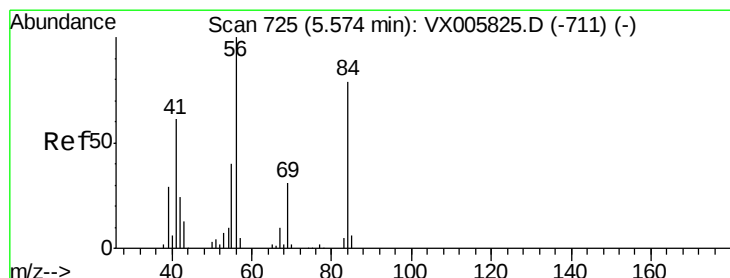
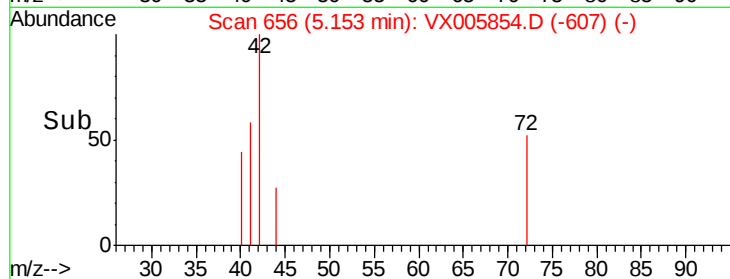
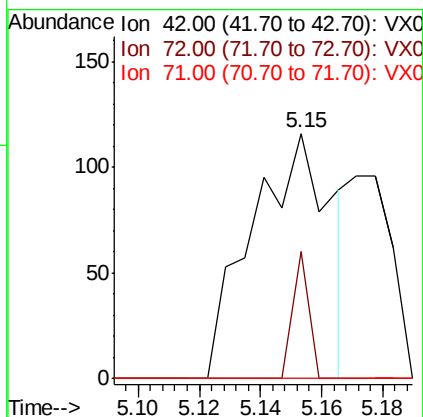
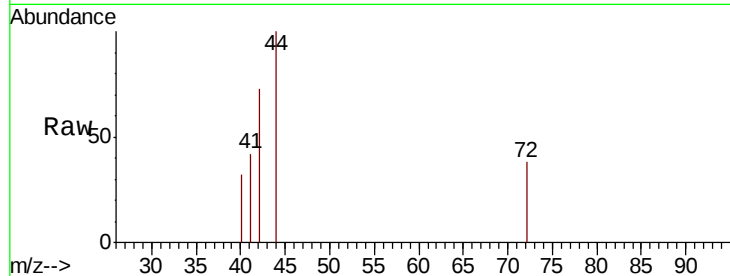




#29
Tetrahydrofuran
Concen: 0.332 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005854.D
Acq: 09 Nov 2018 11:56

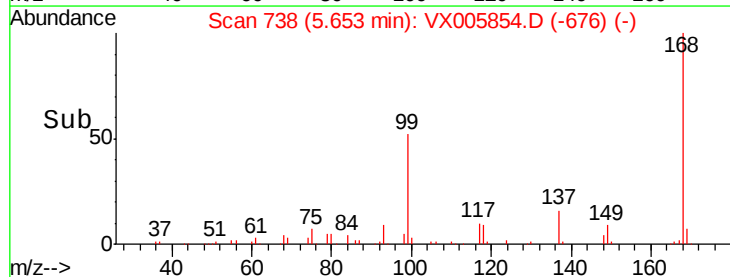
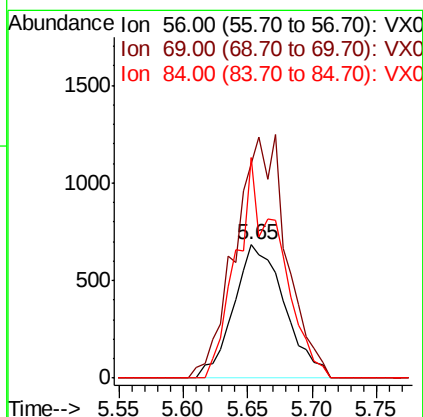
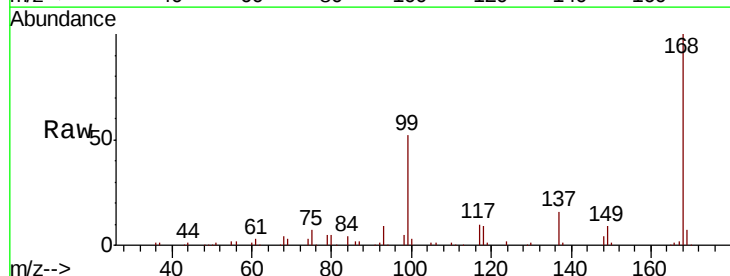
Instrument :
MSVOA_X
ClientSampleId :
VX1109WBL01

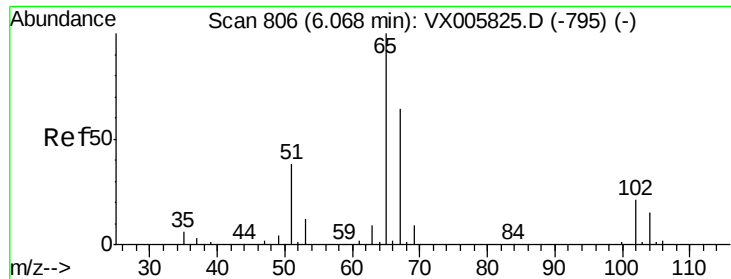
Tot Ion: 42 Resp: 208
Ion Ratio Lower Upper
42 100
72 10.6 32.0 48.0#
71 0.0 29.8 44.8#



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX005854.D
Acq: 09 Nov 2018 11:56

Tgt Ion: 56 Resp: 1871
Ion Ratio Lower Upper
56 100
69 161.0 22.6 34.0#
84 165.8 62.7 94.1#

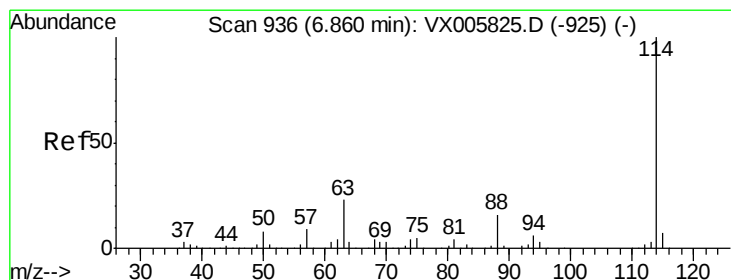
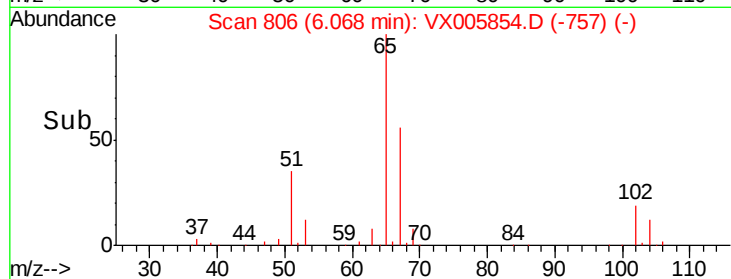
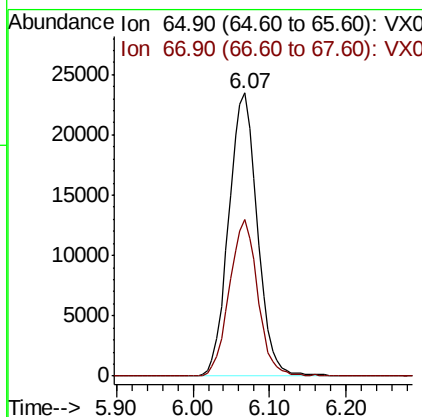
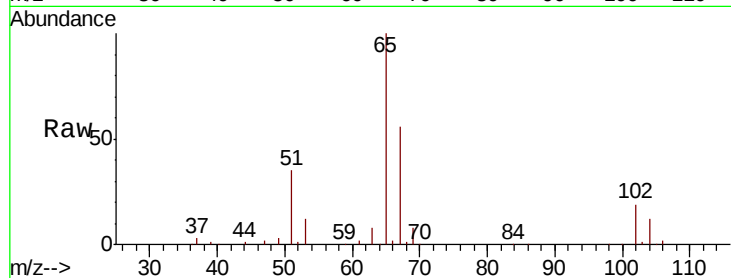




#33
 1,2-Dichloroethane-d4
 Concen: 53.038 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005854.D
 Acq: 09 Nov 2018 11:56

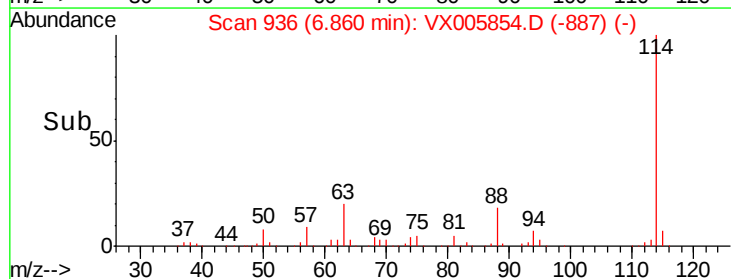
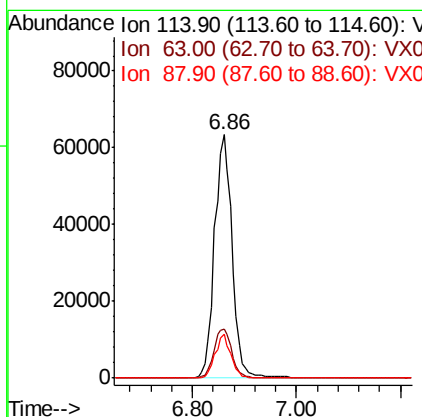
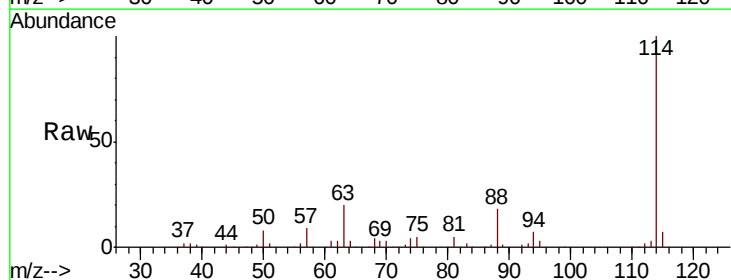
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 VX1109WBL01

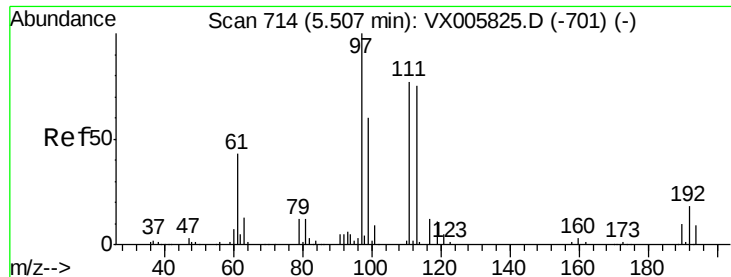
Tot Ion: 65 Resp: 61058
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005854.D
 Acq: 09 Nov 2018 11:56

Tgt Ion: 114 Resp: 149371
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.8
 88 18.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.912 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005854.D

Acq: 09 Nov 2018 11:56

Instrument :

MSVOA_X

ClientSampleId :

VX1109WBL01

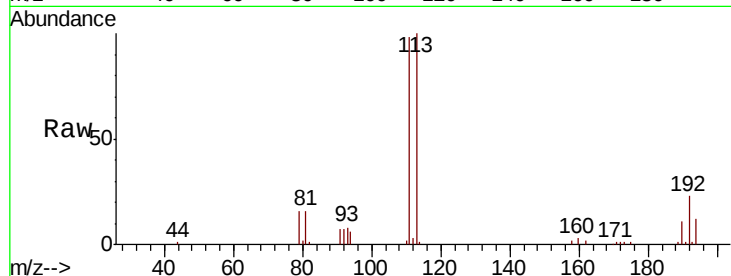
Tot Ion:113 Resp: 49692

Ion Ratio Lower Upper

113 100

111 104.5 82.3 123.5

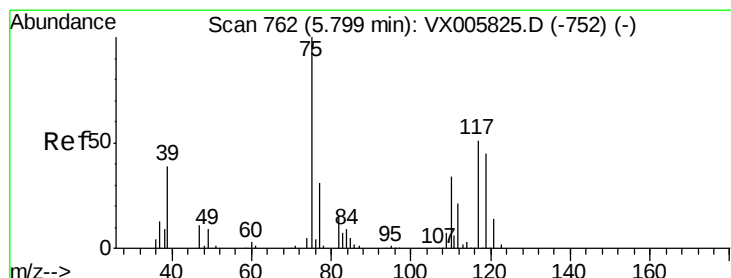
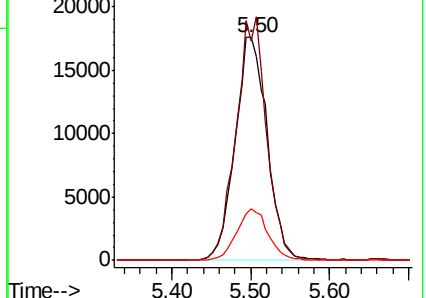
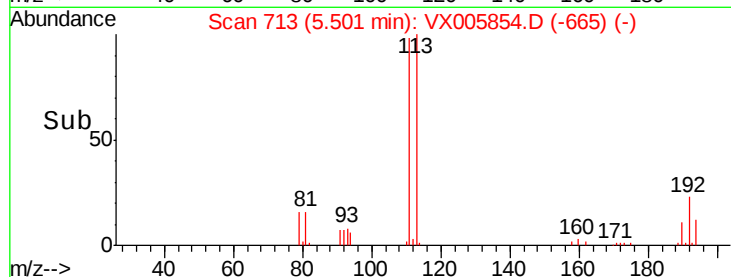
192 22.6 17.9 26.9



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: 4.979 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005854.D

Acq: 09 Nov 2018 11:56

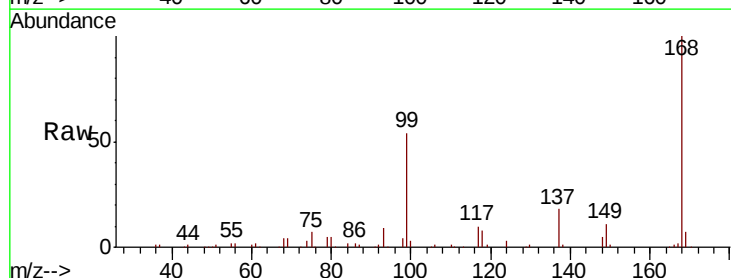
Tgt Ion: 75 Resp: 7170

Ion Ratio Lower Upper

75 100

110 8.0 17.4 52.2#

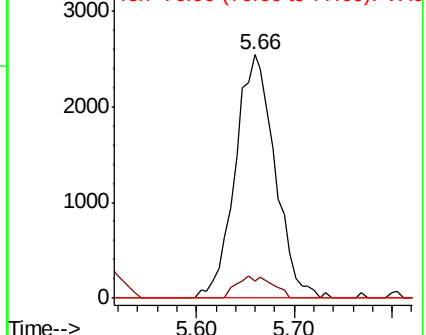
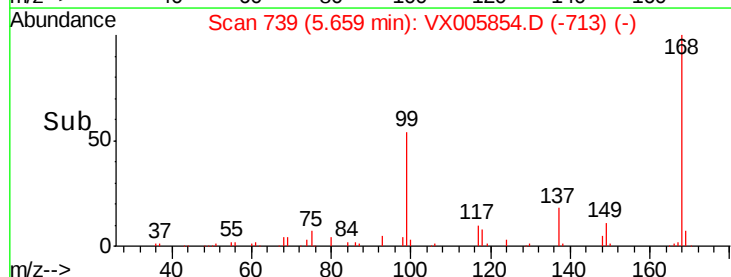
77 0.0 25.8 38.6#

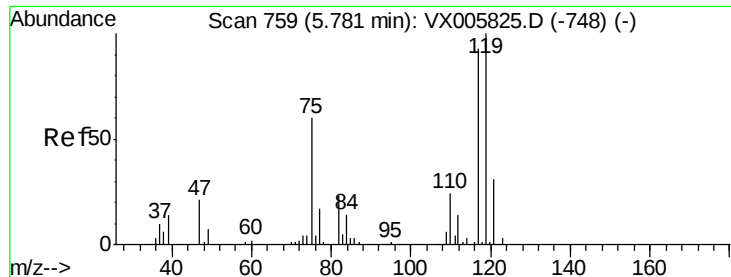


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

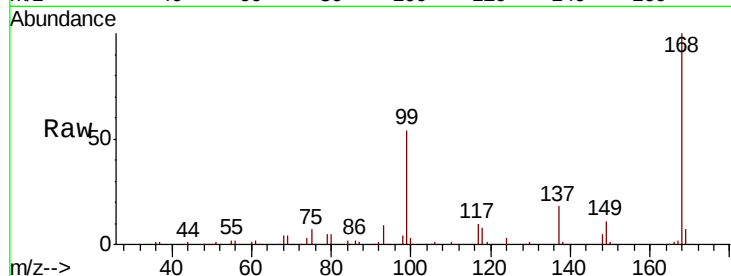




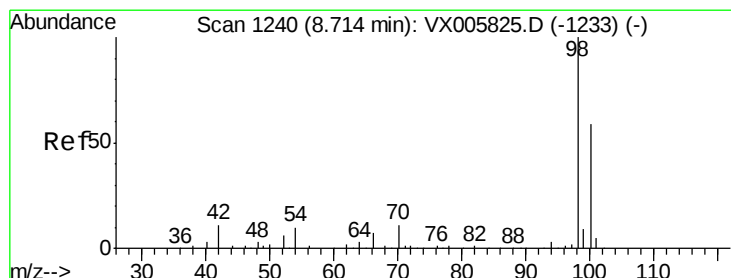
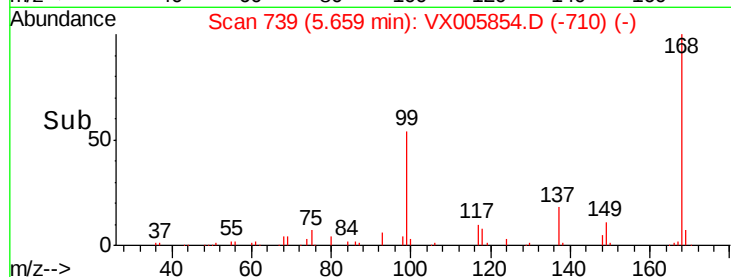
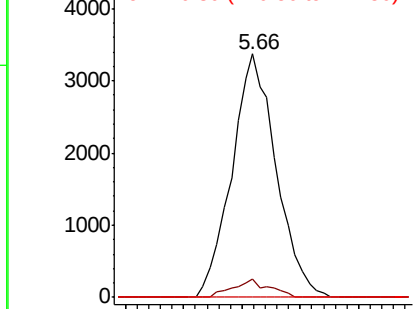
#38
Carbon Tetrachloride
Concen: 6.184 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005854.D
Acq: 09 Nov 2018 11:56

Instrument :
MSVOA_X
ClientSampleId :
VX1109WBL01

Tot Ion:117 Resp: 8915
Ion Ratio Lower Upper
117 100
119 7.6 78.1 117.1#
121 0.0 24.6 36.8#

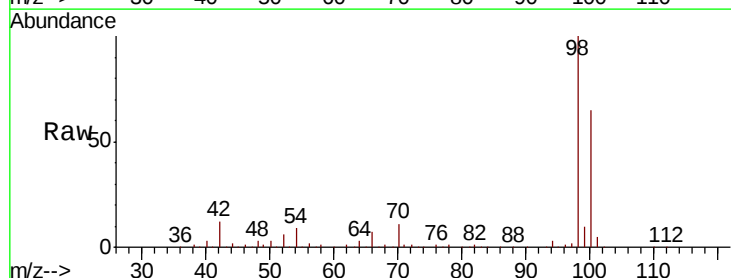


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

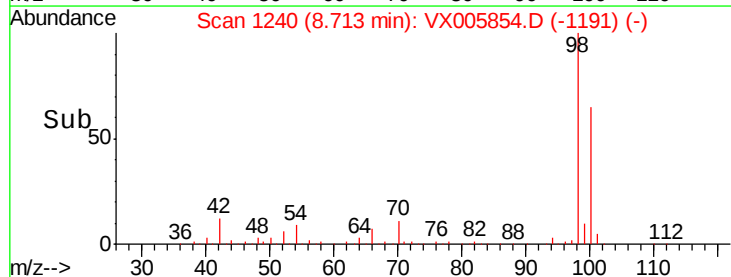
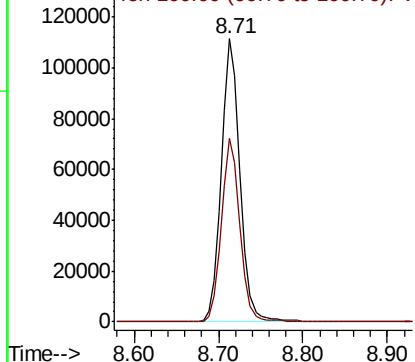


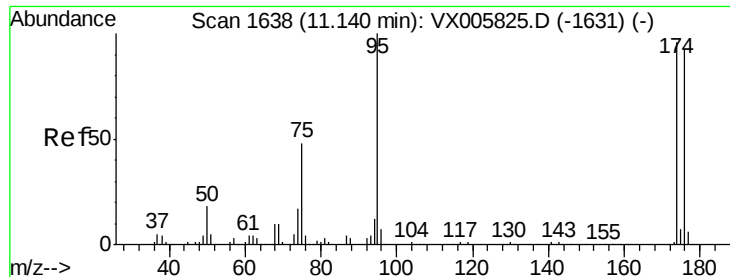
#50
Toluene-d8
Concen: 50.763 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005854.D
Acq: 09 Nov 2018 11:56

Tgt Ion: 98 Resp: 171456
Ion Ratio Lower Upper
98 100
100 64.3 51.3 76.9



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





#62

4-Bromofluorobenzene

Concen: 47.608 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005854.D

Acq: 09 Nov 2018 11:56

Instrument :

MSVOA_X

ClientSampleId :

VX1109WBL01

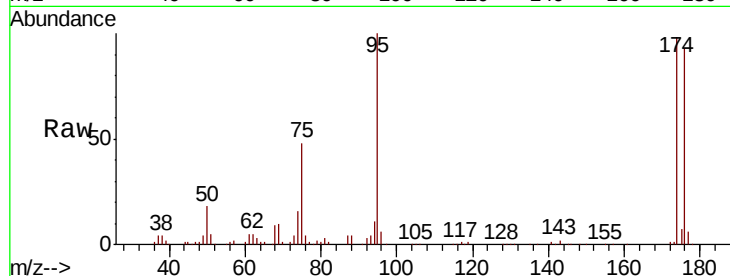
Tot Ion: 95 Resp: 57814

Ion Ratio Lower Upper

95 100

174 92.8 0.0 184.4

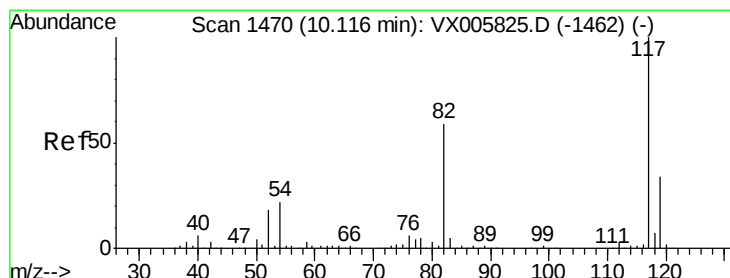
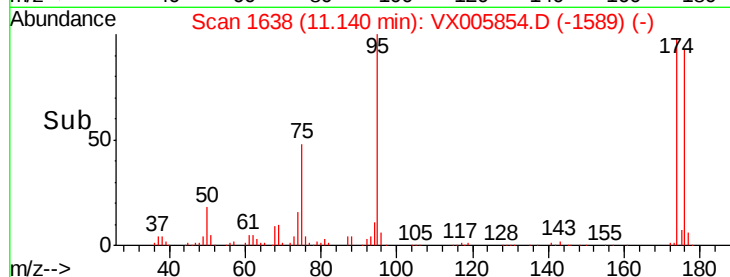
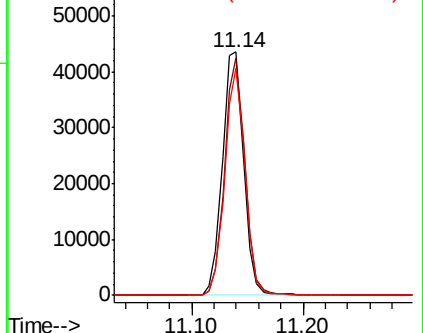
176 88.1 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005854.D

Acq: 09 Nov 2018 11:56

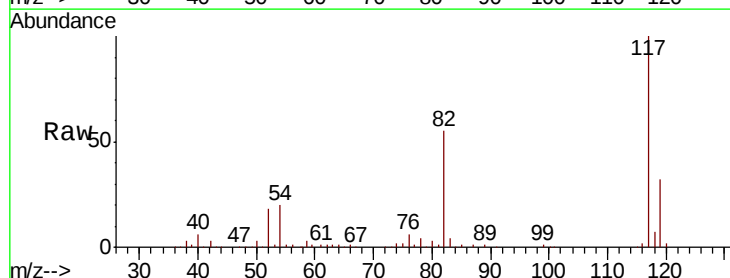
Tgt Ion: 117 Resp: 128363

Ion Ratio Lower Upper

117 100

82 54.7 44.1 66.1

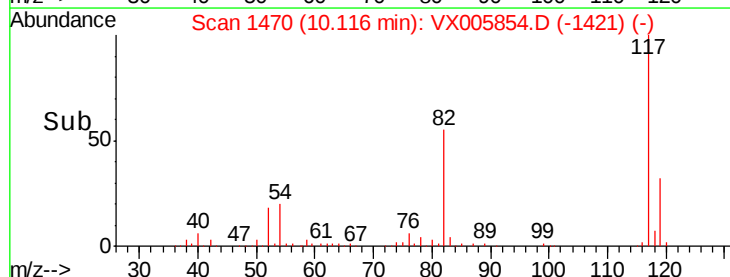
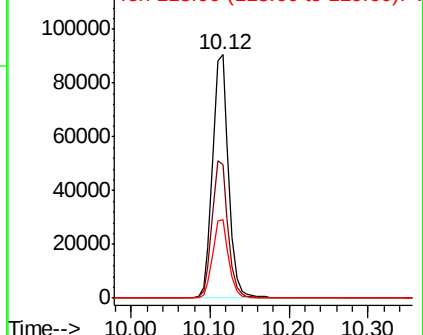
119 32.4 26.2 39.2

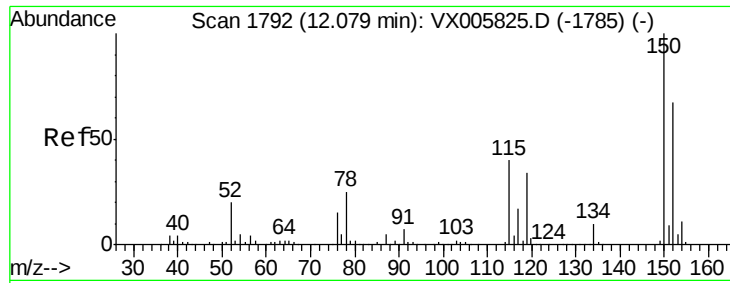


Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005854.D

Acq: 09 Nov 2018 11:56

Instrument :

MSVOA_X

ClientSampled :

VX1109WBL01

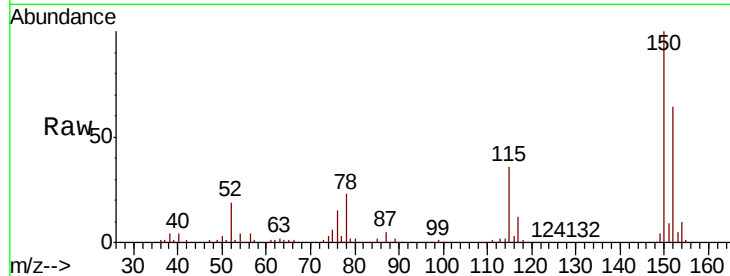
Tot Ion:152 Resp: 62331

Ion Ratio Lower Upper

152 100

115 55.6 39.4 118.1

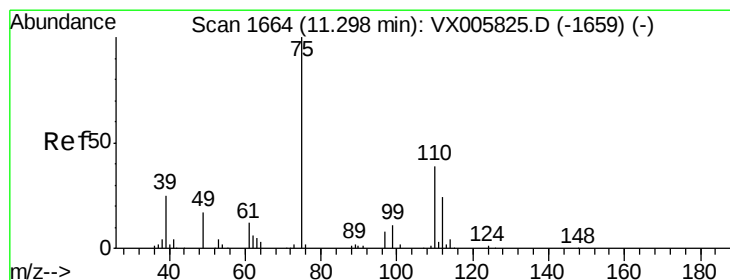
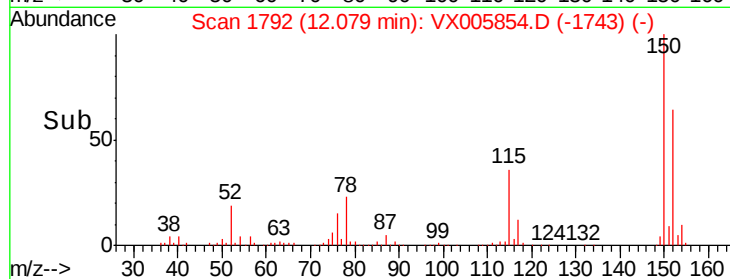
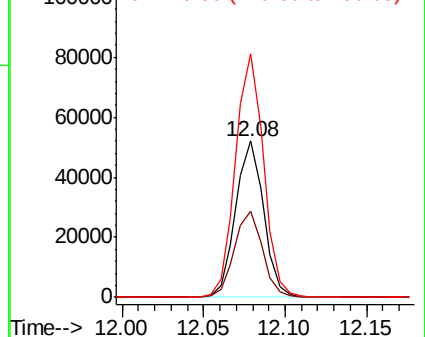
150 156.0 0.0 346.4



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: 22.740 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005854.D

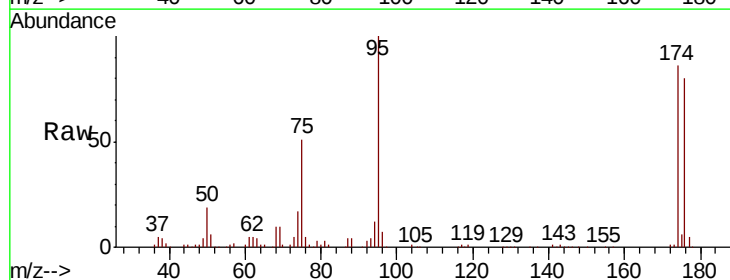
Acq: 09 Nov 2018 11:56

Tgt Ion: 75 Resp: 28862

Ion Ratio Lower Upper

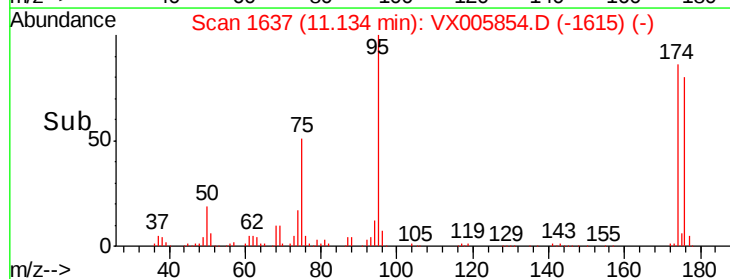
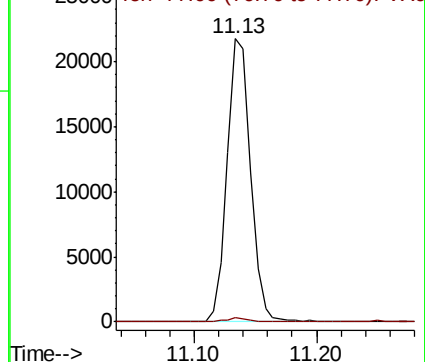
75 100

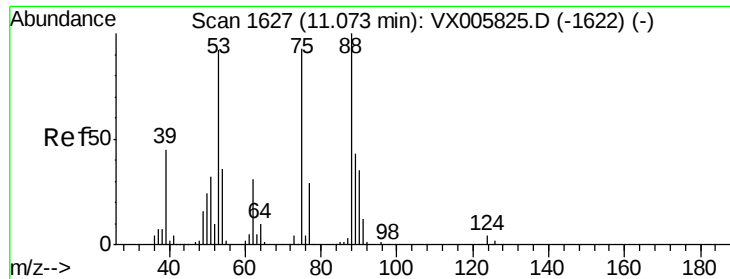
77 1.3 20.5 61.6#



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: 72.477 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005854.D

Acq: 09 Nov 2018 11:56

Instrument :

MSVOA_X

ClientSampleId :

VX1109WBL01

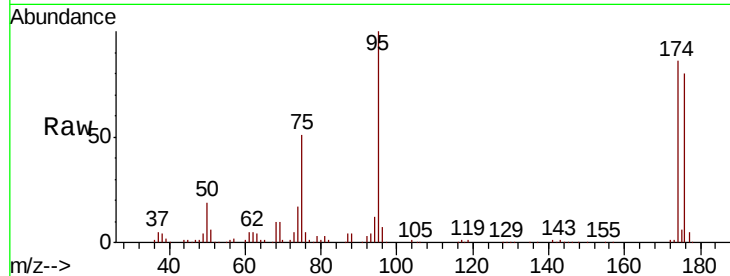
Tot Ion: 75 Resp: 28862

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

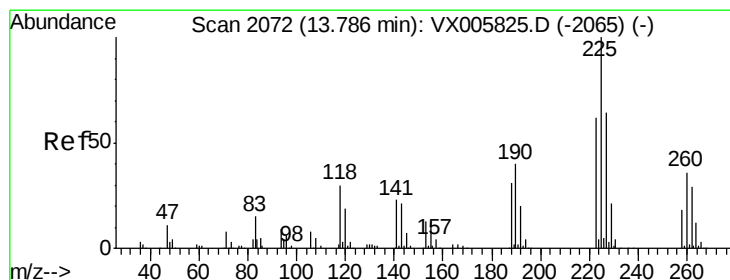
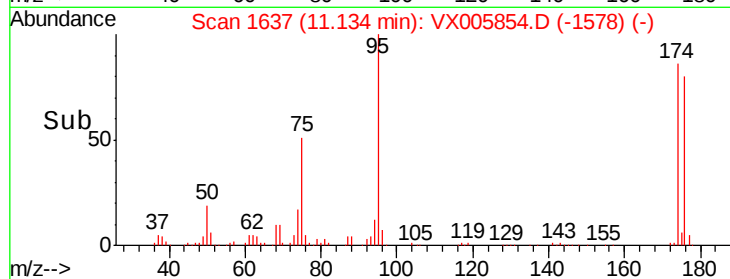
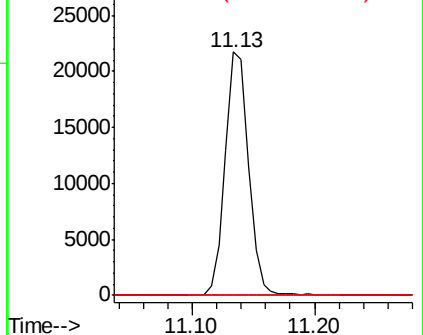
89 0.0 39.8 59.8#



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



#94

Hexachlorobutadiene

Concen: 1.044 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005854.D

Acq: 09 Nov 2018 11:56

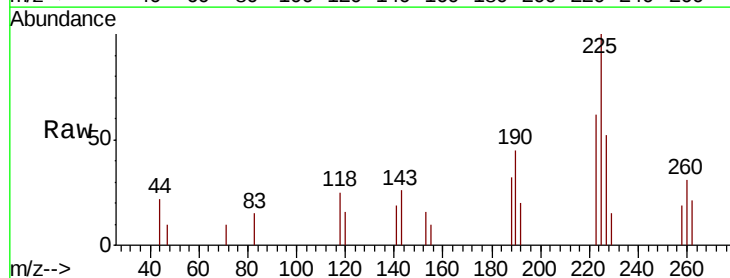
Tgt Ion: 225 Resp: 754

Ion Ratio Lower Upper

225 100

223 67.4 31.7 95.1

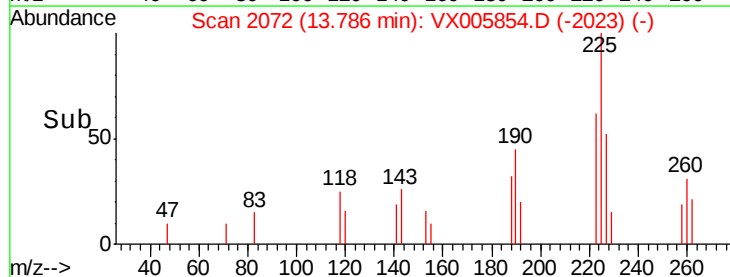
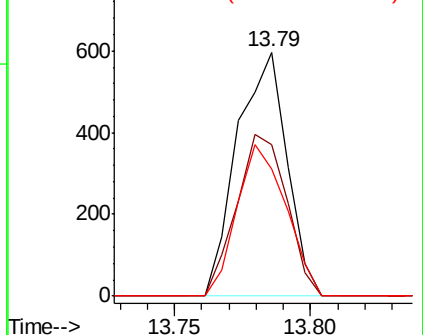
227 61.4 32.3 96.9

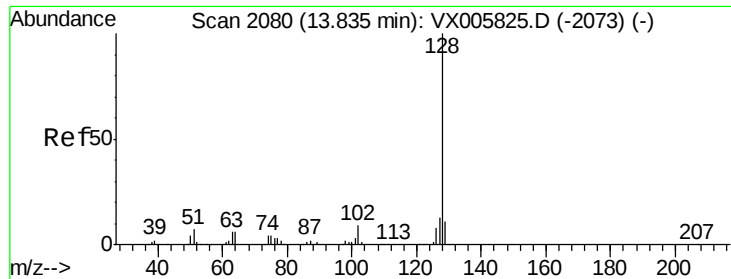


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95
Naphthalene
Concen: 1.373 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005854.D
Acq: 09 Nov 2018 11:56

Instrument :
MSVOA_X
ClientSampleId :
VX1109WBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.4	15.6
129	4.9	8.7	13.1#

