

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005049.D
 Acq On : 05 Oct 2018 05:51
 Operator : JC/MD
 Sample : J5207-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW510-1216

Quant Time: Oct 05 07:17:26 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

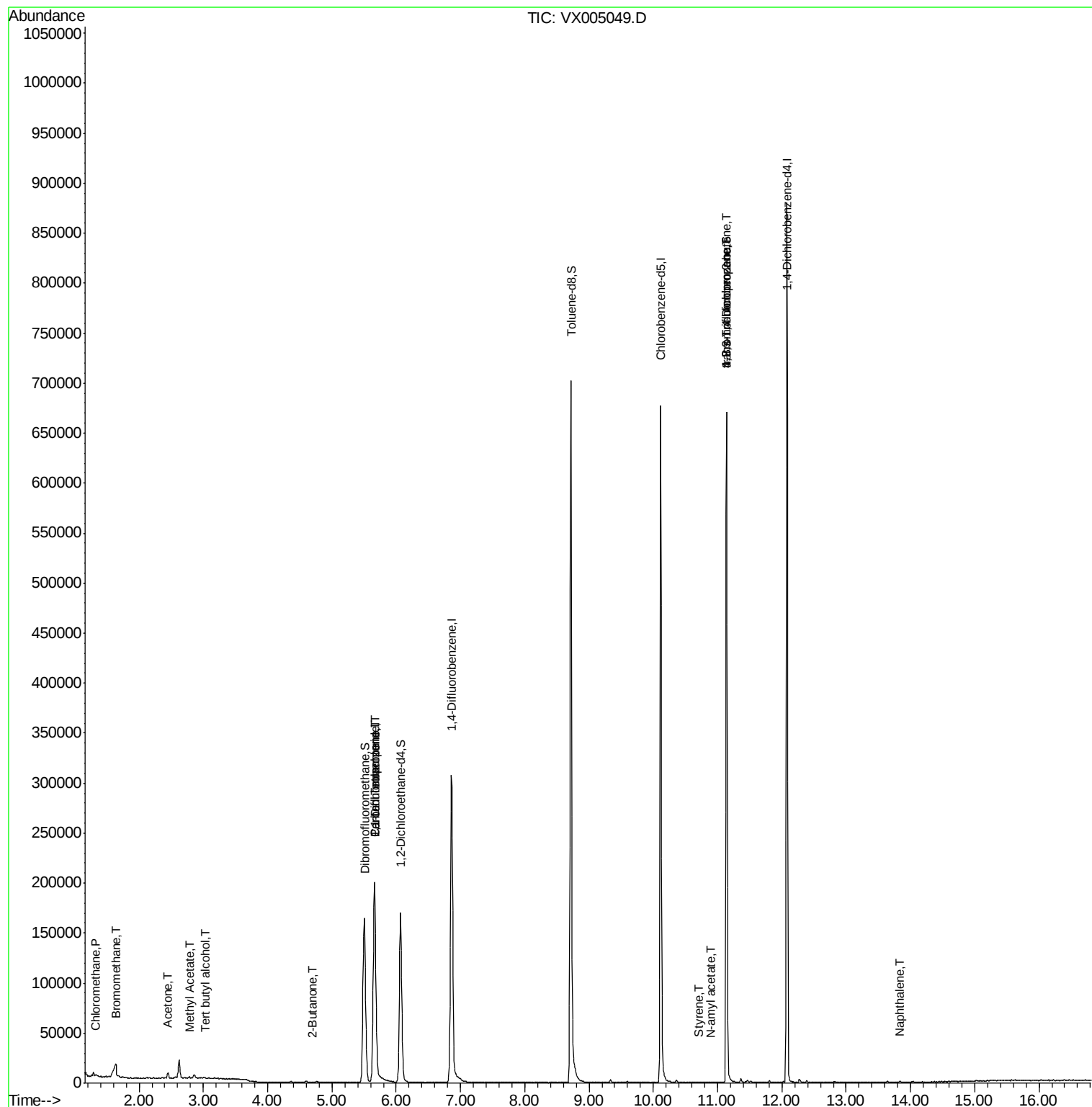
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	209366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	325540	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	321450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179294	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	160178	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	5.50	113	141329	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	8.72	98	472254	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	11.14	95	171149	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
Target Compounds				Qvalue		
3) Chloromethane	1.33	50	834	0.241	ug/l	91
5) Bromomethane	1.64	94	754	0.391	ug/l #	66
6) Chloroethane	1.70	64	236	Below Cal	#	63
11) Tert butyl alcohol	3.03	59	743	0.888	ug/l	96
16) Acetone	2.45	43	6036	3.457	ug/l #	86
18) Methyl Acetate	2.78	43	1242	0.281	ug/l	91
20) Methylene Chloride	2.86	84	1359	Below Cal	#	77
25) 2-Butanone	4.70	43	695	0.270	ug/l #	49
36) 1,1-Dichloropropene	5.66	75	15137	4.021	ug/l #	45
38) Carbon Tetrachloride	5.67	117	18860	4.766	ug/l #	19
70) Styrene	10.71	104	100	2.151	ug/l #	39
74) N-amyl acetate	10.89	43	29	1.752	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	84131	20.935	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	365	Below Cal		83
81) trans-1,4-Dichloro-2-buten	11.14	75	84131	56.816	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	809	Below Cal		81
95) Naphthalene	13.83	128	1045	0.789	ug/l #	91

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005049.D

Acq: 05 Oct 2018 05:51

Instrument :

MSVOA_X

ClientSampleId :

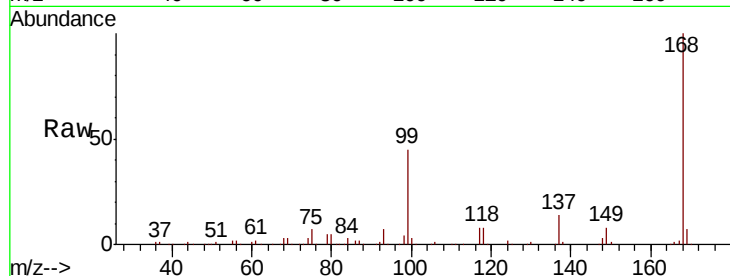
SA-TW510-1216

Tot Ion:168 Resp: 209366

Ion Ratio Lower Upper

168 100

99 45.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

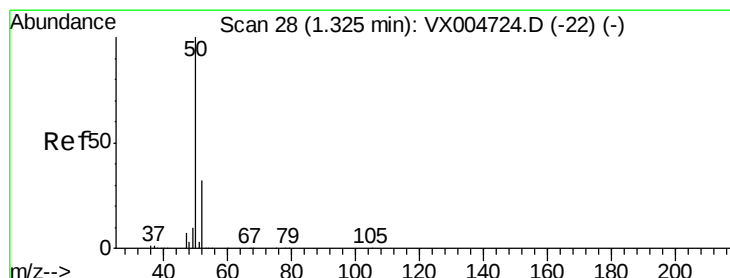
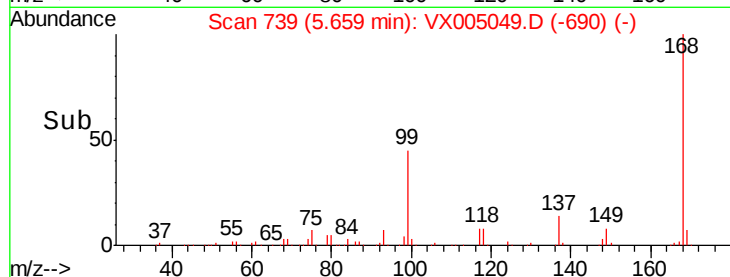
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.241 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005049.D

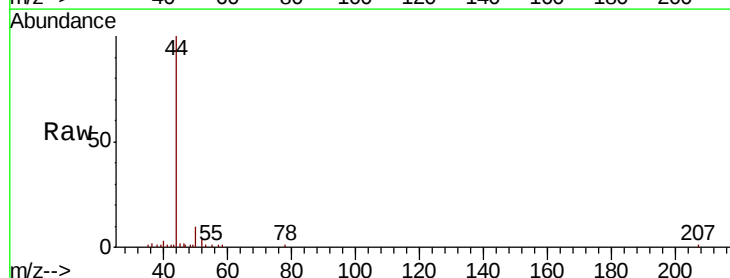
Acq: 05 Oct 2018 05:51

Tgt Ion: 50 Resp: 834

Ion Ratio Lower Upper

50 100

52 37.2 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

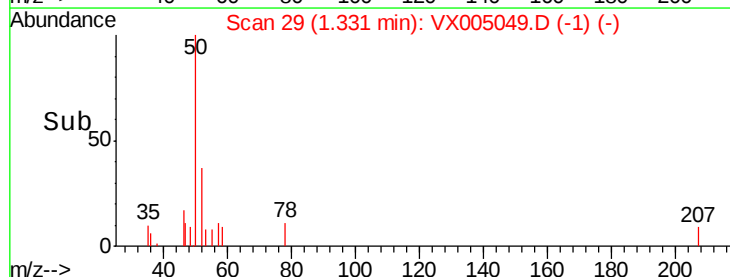
600

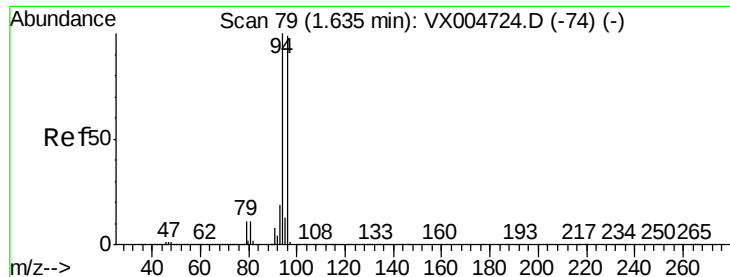
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.391 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005049.D

Acq: 05 Oct 2018 05:51

Instrument :

MSVOA_X

ClientSampleId :

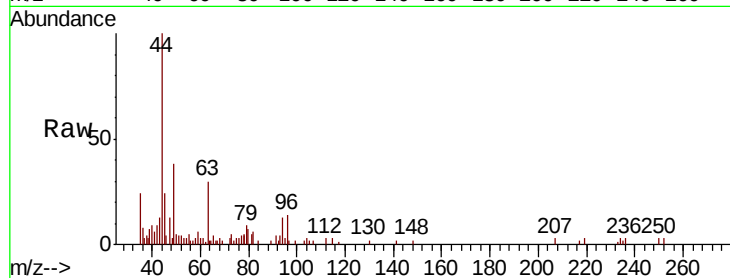
SA-TW510-1216

Tot Ion: 94 Resp: 754

Ion Ratio Lower Upper

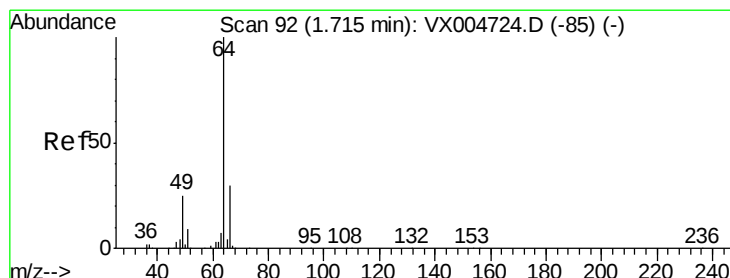
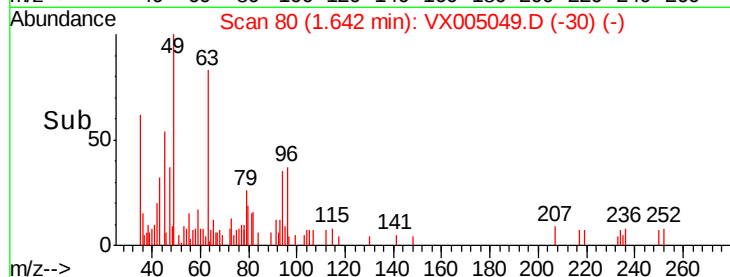
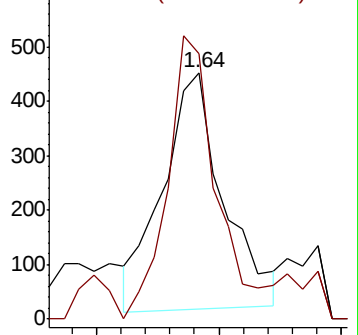
94 100

96 133.4 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005049.D

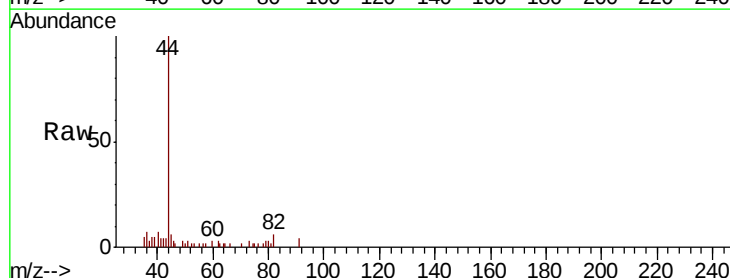
Acq: 05 Oct 2018 05:51

Tgt Ion: 64 Resp: 236

Ion Ratio Lower Upper

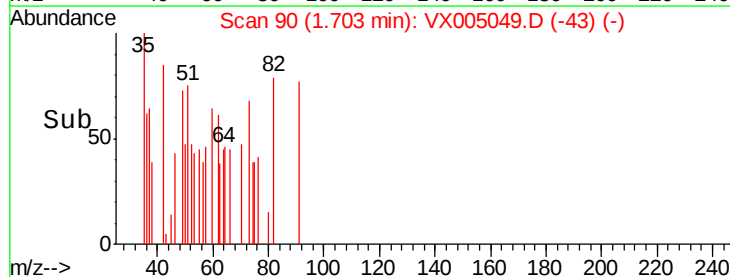
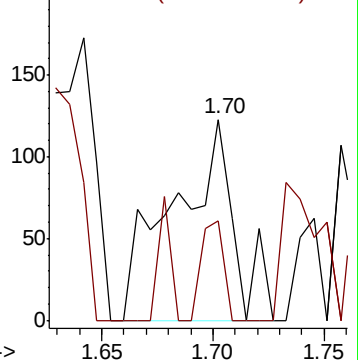
64 100

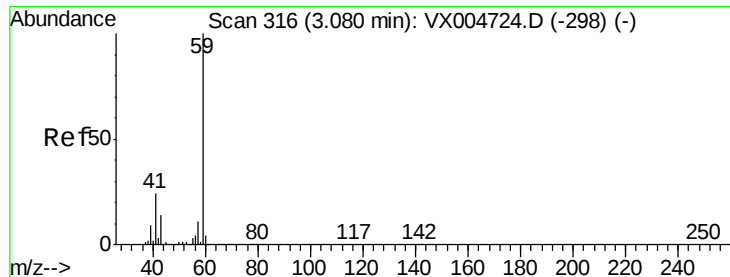
66 49.6 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

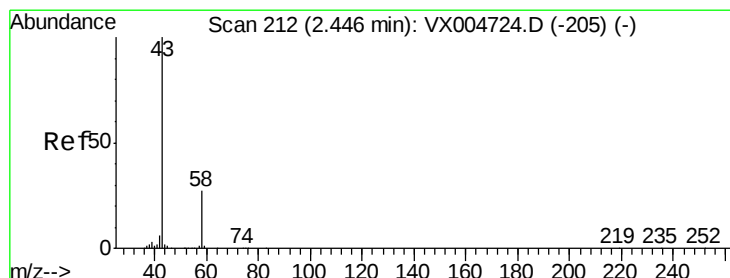
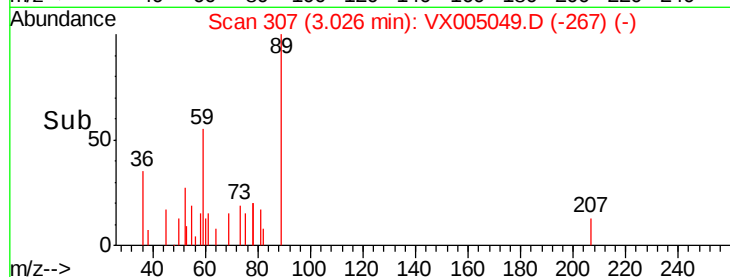
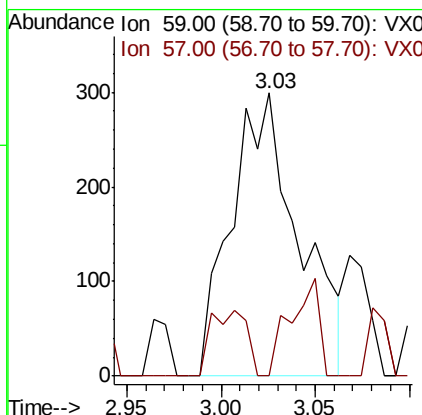
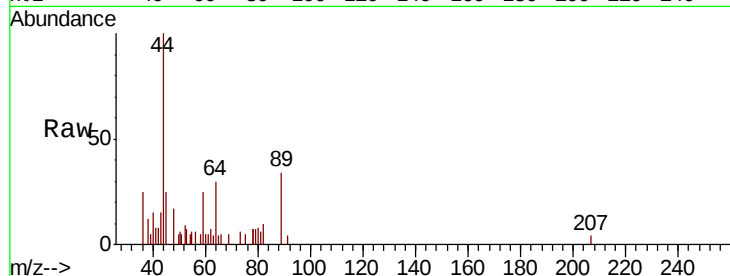




#11
Tert butyl alcohol
Concen: 0.888 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX005049.D
Acq: 05 Oct 2018 05:51

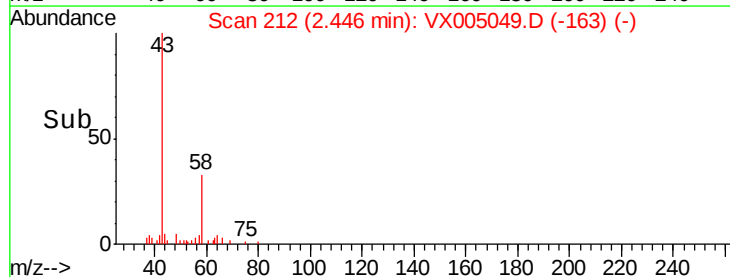
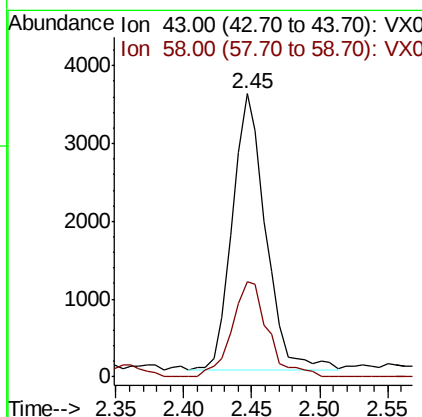
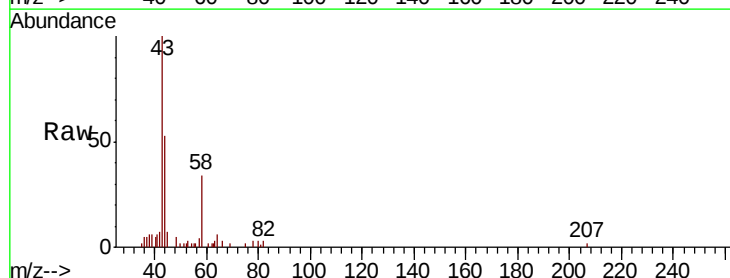
Instrument :
MSVOA_X
ClientSampleId :
SA-TW510-1216

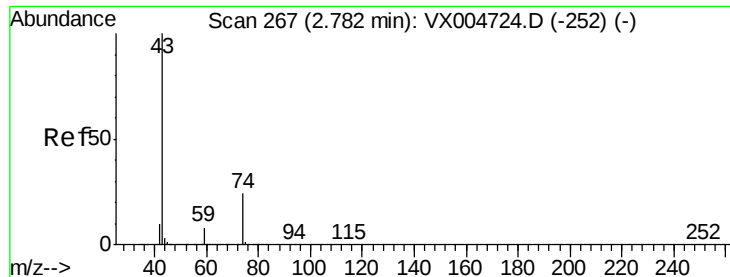
Tot Ion: 59 Resp: 743
Ion Ratio Lower Upper
59 100
57 12.2 8.6 12.8



#16
Acetone
Concen: 3.457 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005049.D
Acq: 05 Oct 2018 05:51

Tgt Ion: 43 Resp: 6036
Ion Ratio Lower Upper
43 100
58 34.4 21.8 32.6#

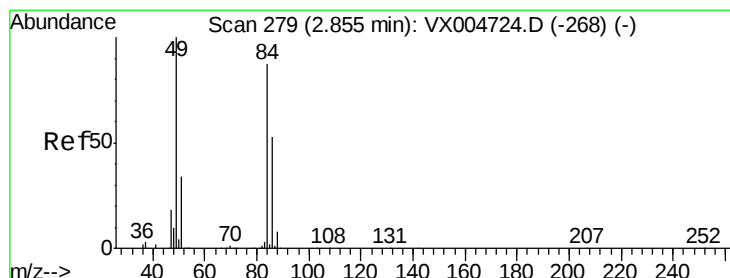
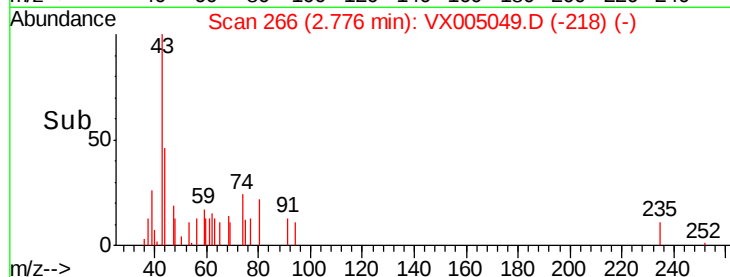
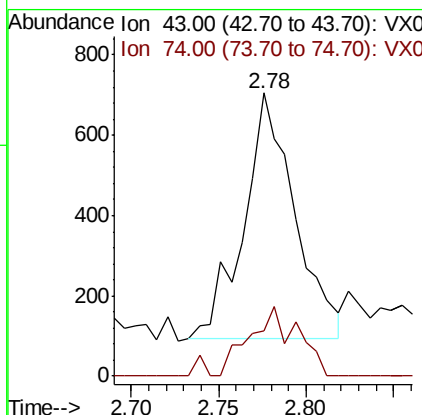
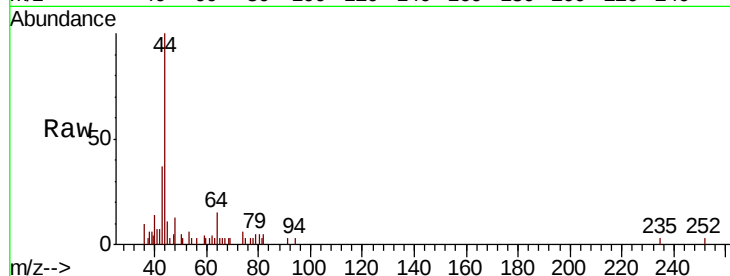




#18
Methyl Acetate
Concen: 0.281 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005049.D
Acq: 05 Oct 2018 05:51

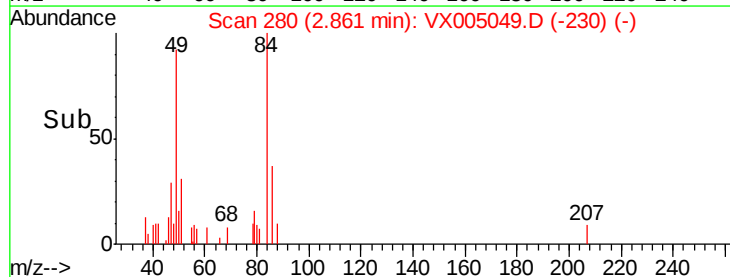
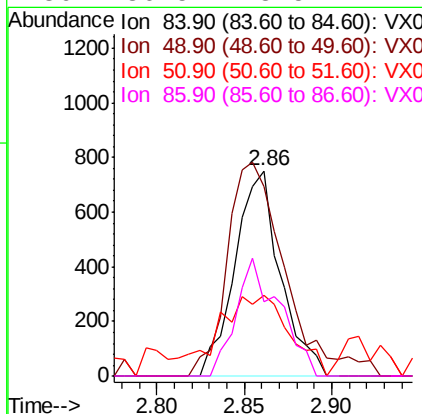
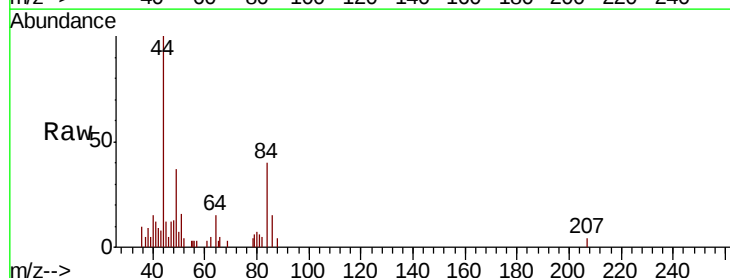
Instrument :
MSVOA_X
ClientSampleId :
SA-TW510-1216

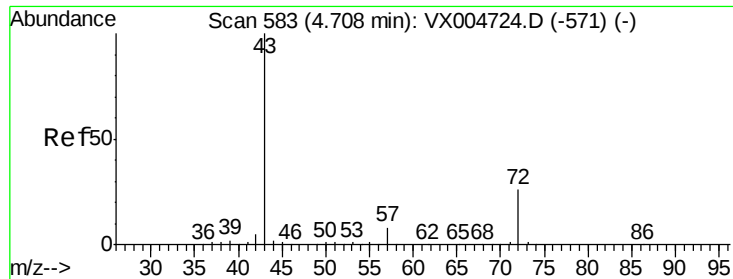
Tot Ion: 43 Resp: 1242
Ion Ratio Lower Upper
43 100
74 26.7 17.8 26.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005049.D
Acq: 05 Oct 2018 05:51

Tgt Ion: 84 Resp: 1359
Ion Ratio Lower Upper
84 100
49 92.4 92.3 138.5
51 31.2 31.8 47.6#
86 36.5 48.5 72.7#

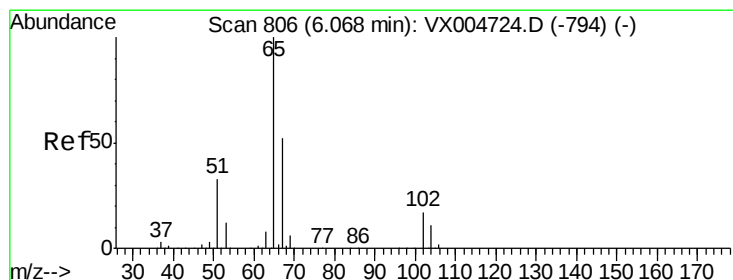
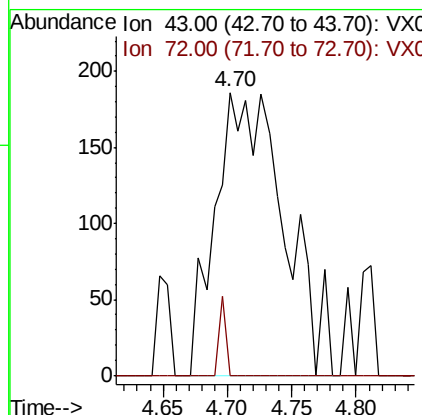
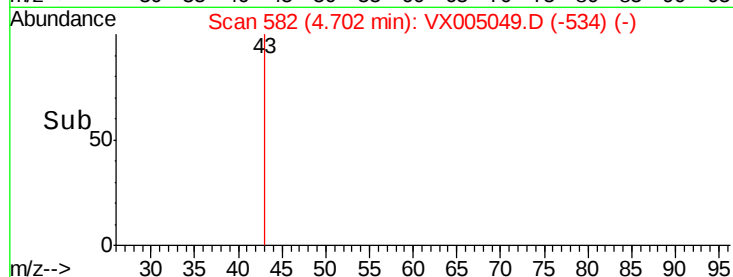
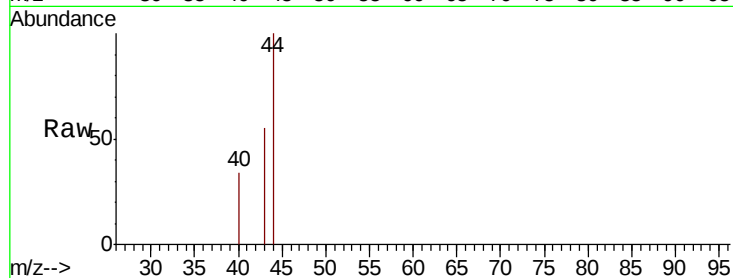




#25
 2-Butanone
 Concen: 0.270 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VX005049.D
 Acq: 05 Oct 2018 05:51

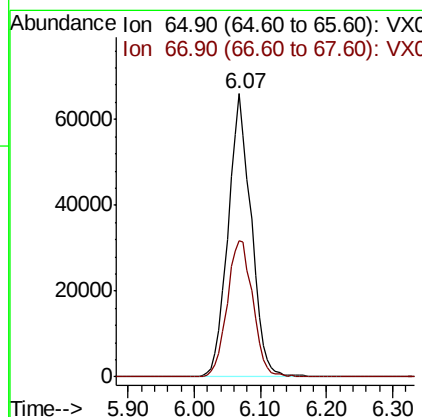
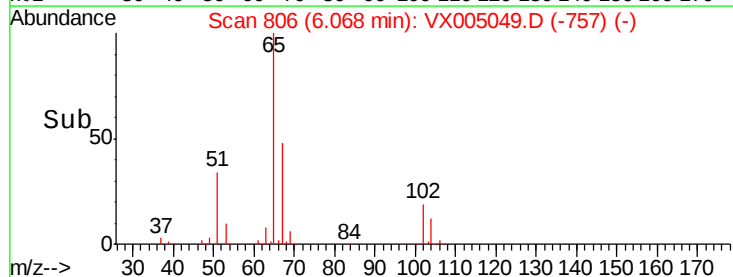
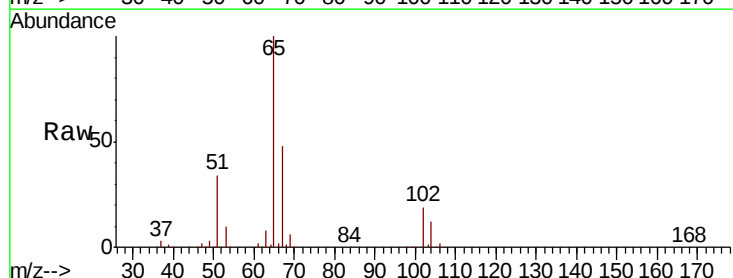
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW510-1216

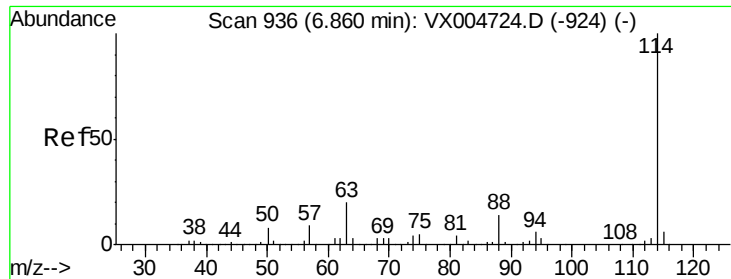
Tot Ion: 43 Resp: 695
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.8 31.2#



#33
 1,2-Dichloroethane-d4
 Concen: 53.557 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005049.D
 Acq: 05 Oct 2018 05:51

Tgt Ion: 65 Resp: 160178
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.4

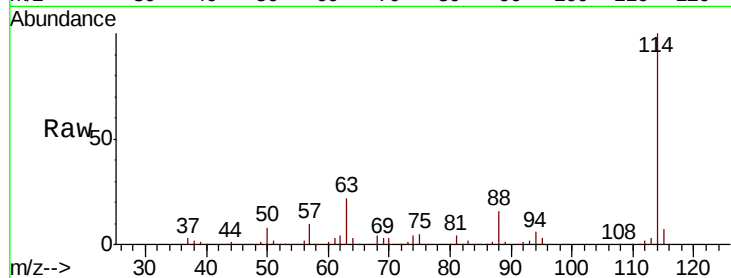




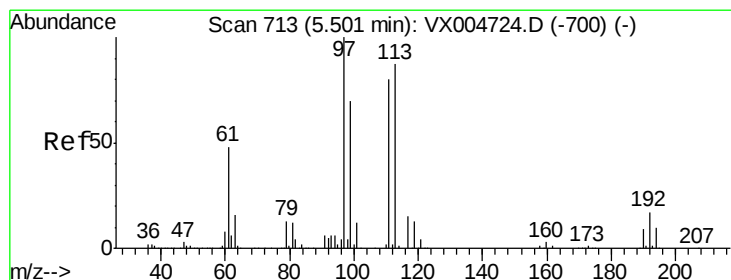
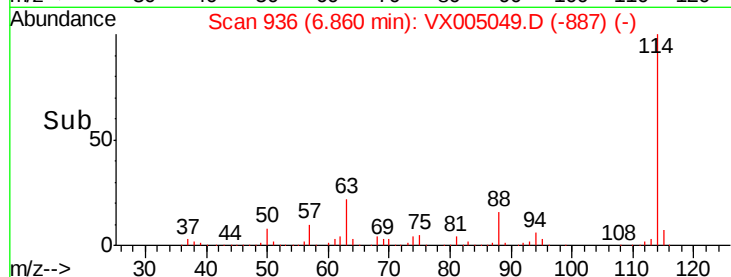
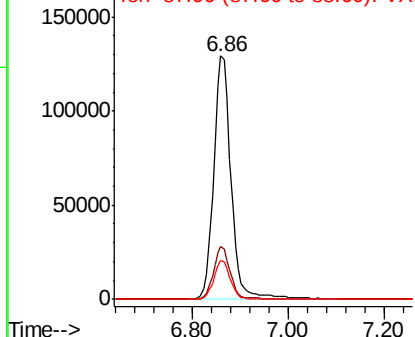
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005049.D
 Acq: 05 Oct 2018 05:51

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW510-1216

Tot Ion:114 Resp: 325540
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 39.8
 88 15.8 0.0 27.0

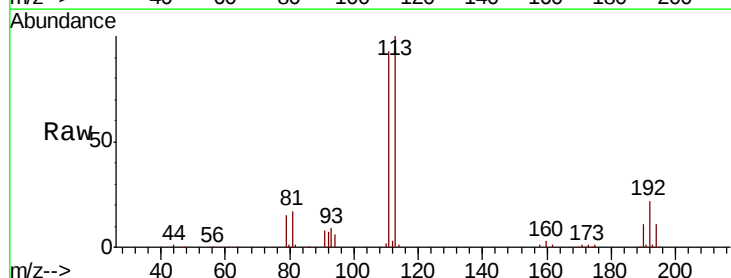


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

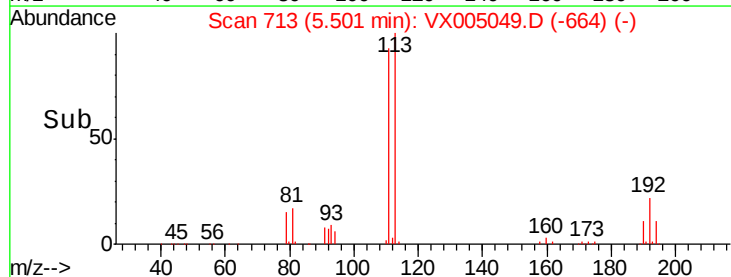
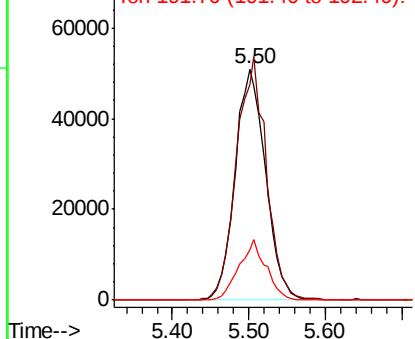


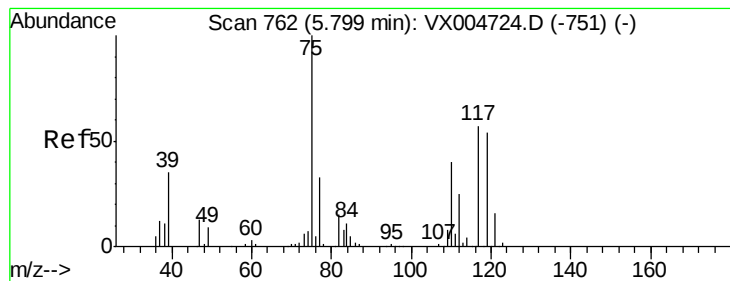
#35
 Dibromofluoromethane
 Concen: 51.225 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005049.D
 Acq: 05 Oct 2018 05:51

Tgt Ion:113 Resp: 141329
 Ion Ratio Lower Upper
 113 100
 111 102.9 77.0 115.4
 192 23.2 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.021 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005049.D

Acq: 05 Oct 2018 05:51

Instrument :

MSVOA_X

ClientSampleId :

SA-TW510-1216

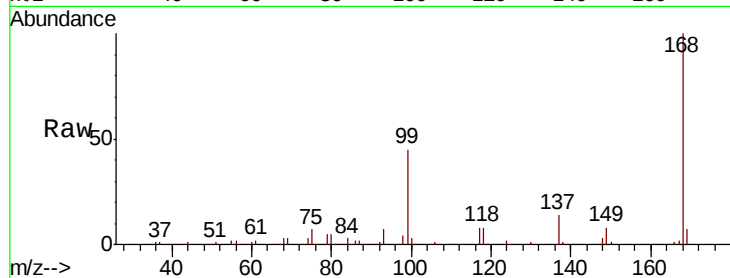
Tot Ion: 75 Resp: 15137

Ion Ratio Lower Upper

75 100

110 7.7 20.0 59.9#

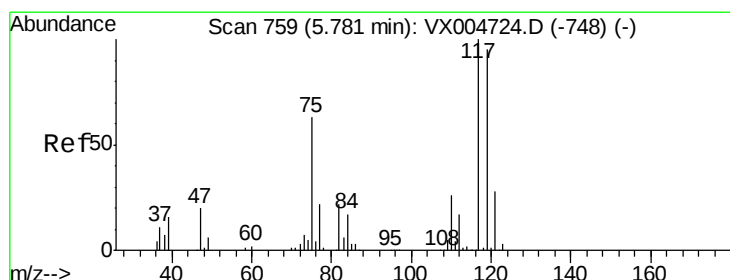
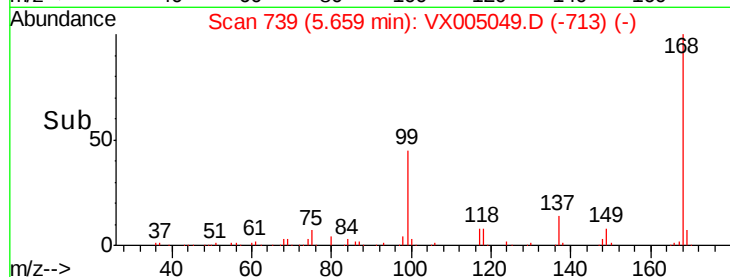
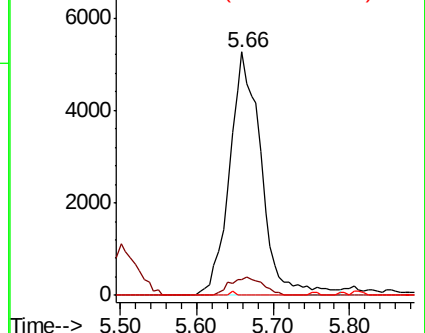
77 0.2 27.1 40.7#



Abundance Ion 74.90 (74.60 to 75.60): VX004724.D (-751) (-)

Ion 109.90 (109.60 to 110.60): VX004724.D (-751) (-)

Ion 76.90 (76.60 to 77.60): VX004724.D (-751) (-)



#38

Carbon Tetrachloride

Concen: 4.766 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005049.D

Acq: 05 Oct 2018 05:51

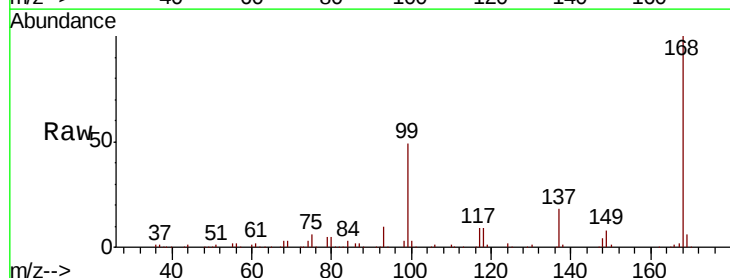
Tgt Ion: 117 Resp: 18860

Ion Ratio Lower Upper

117 100

119 7.6 75.2 112.8#

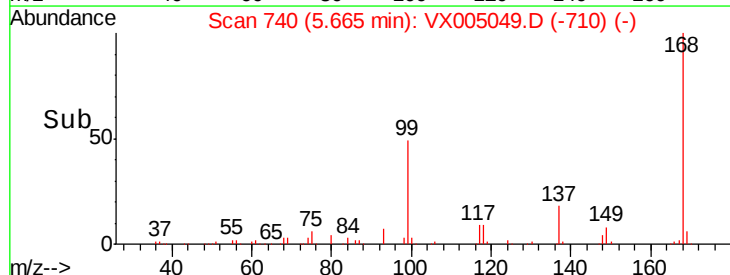
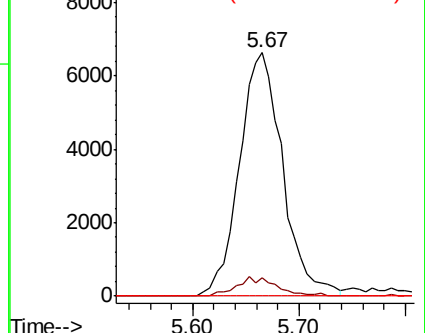
121 0.0 22.5 33.7#

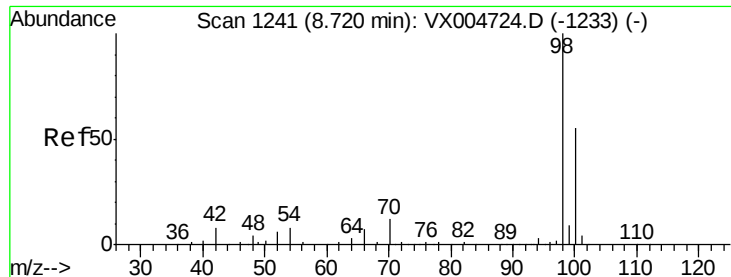


Abundance Ion 116.80 (116.50 to 117.50): VX004724.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX004724.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX004724.D (-748) (-)





#50

Toluene-d8

Concen: 51.487 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005049.D

Acq: 05 Oct 2018 05:51

Instrument :

MSVOA_X

ClientSampleId :

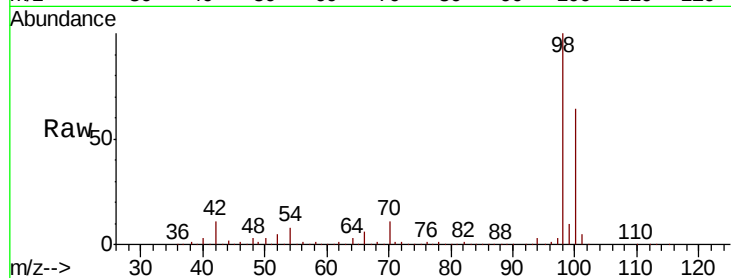
SA-TW510-1216

Tot Ion: 98 Resp: 472254

Ion Ratio Lower Upper

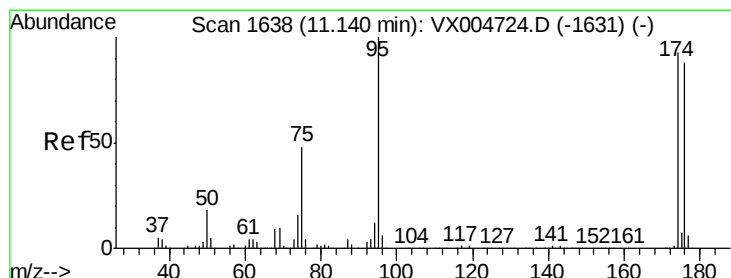
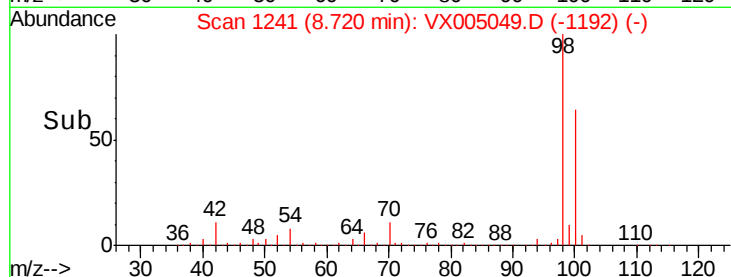
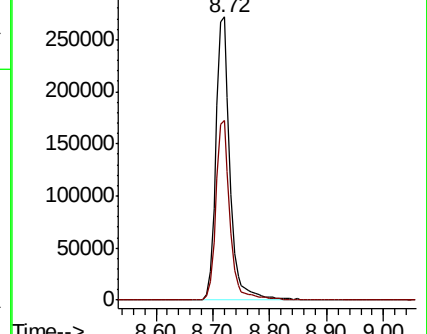
98 100

100 63.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 51.795 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005049.D

Acq: 05 Oct 2018 05:51

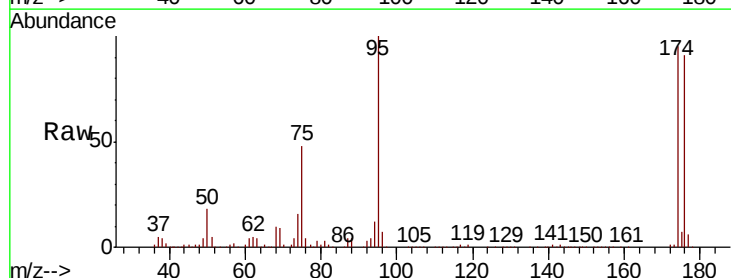
Tgt Ion: 95 Resp: 171149

Ion Ratio Lower Upper

95 100

174 91.9 0.0 185.0

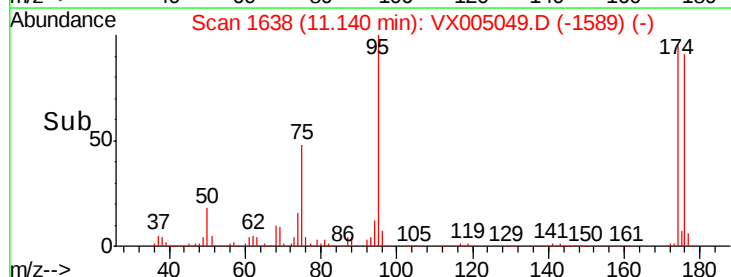
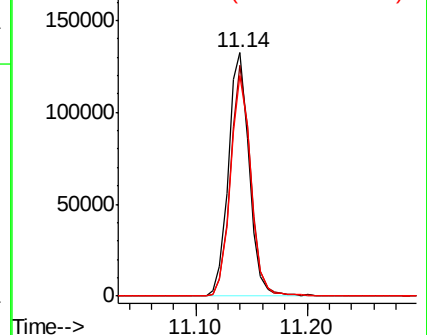
176 88.8 0.0 180.2

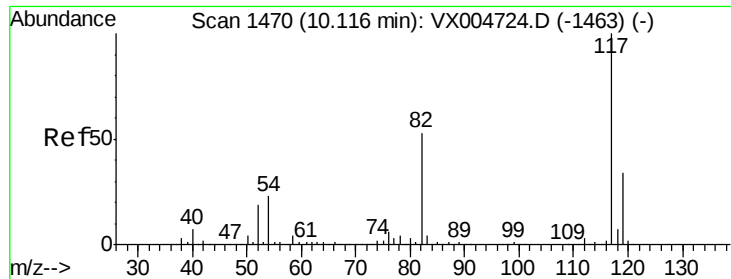


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

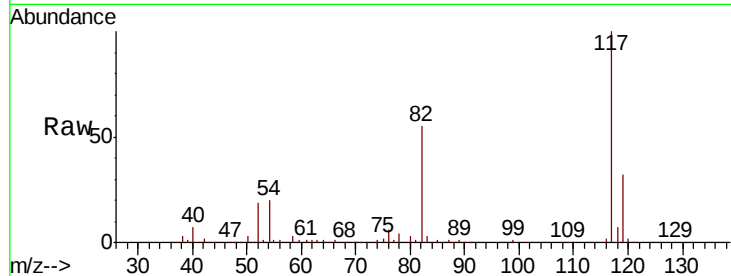




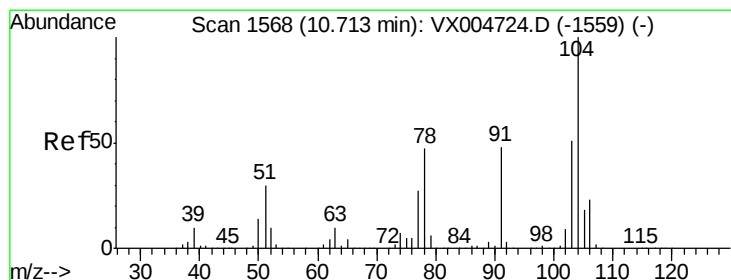
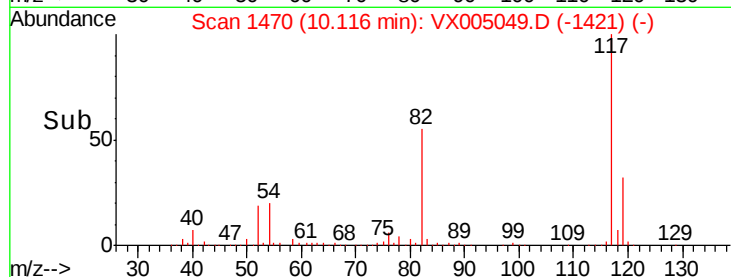
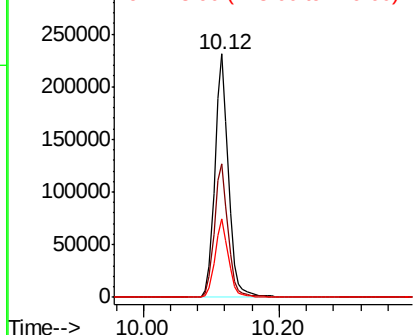
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005049.D
Acq: 05 Oct 2018 05:51

Instrument :
MSVOA_X
ClientSampleId :
SA-TW510-1216

Tot Ion:117 Resp: 321450
Ion Ratio Lower Upper
117 100
82 55.0 42.2 63.4
119 32.0 27.4 41.0

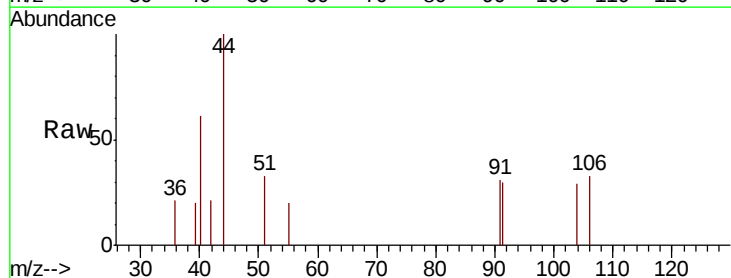


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

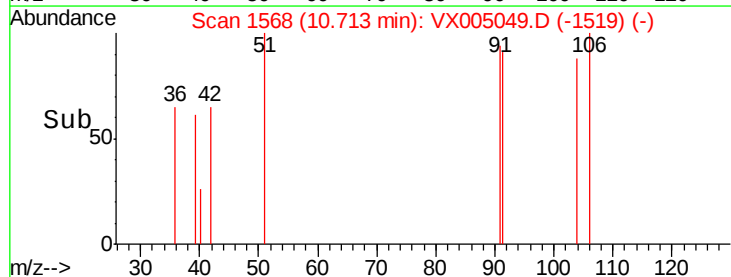
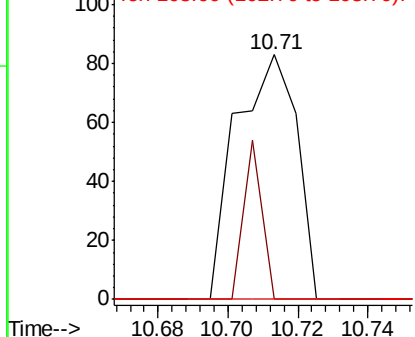


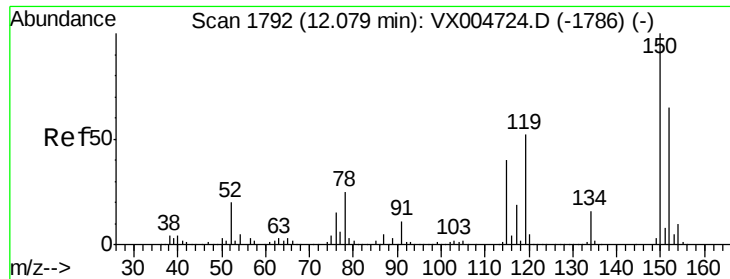
#70
Styrene
Concen: 2.151 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005049.D
Acq: 05 Oct 2018 05:51

Tgt Ion:104 Resp: 100
Ion Ratio Lower Upper
104 100
78 20.0 40.0 60.0#
103 0.0 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: VX005049.D

Acq: 05 Oct 2018 05:51

Instrument :

MSVOA_X

ClientSampleId :

SA-TW510-1216

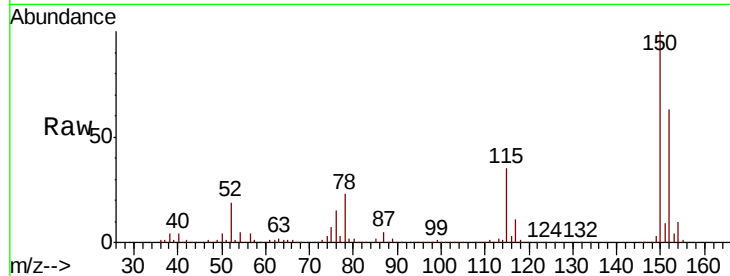
Tot Ion:152 Resp: 179294

Ion Ratio Lower Upper

152 100

115 55.9 40.2 120.6

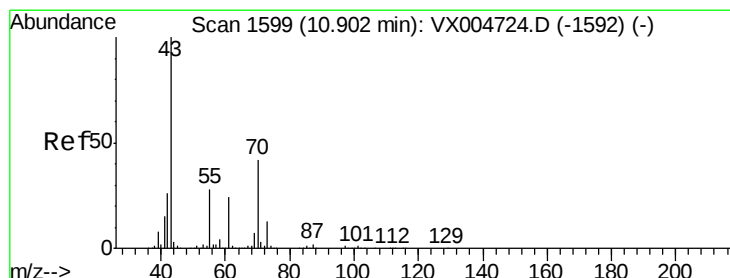
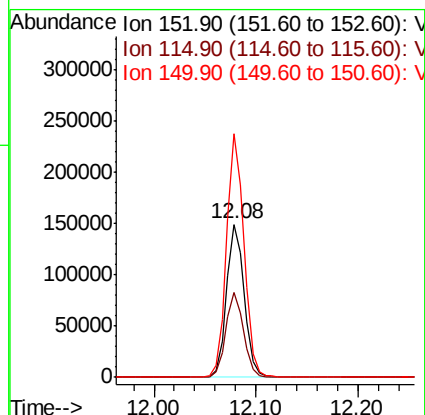
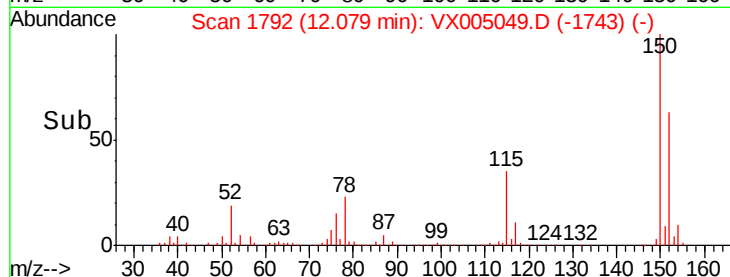
150 157.7 0.0 351.0



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: 1.752 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VX005049.D

Acq: 05 Oct 2018 05:51

Tgt Ion: 43 Resp: 29

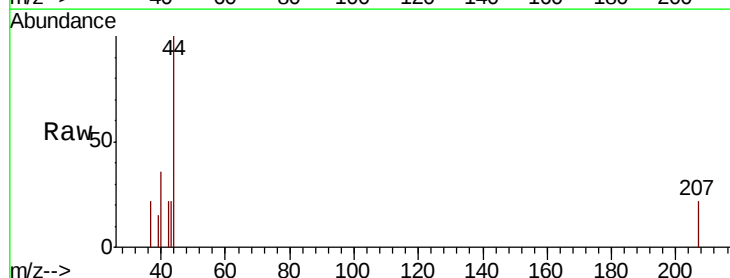
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#

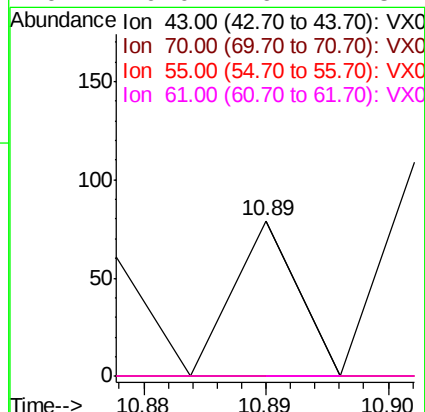
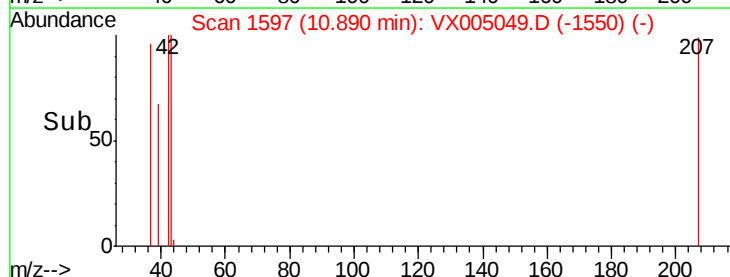


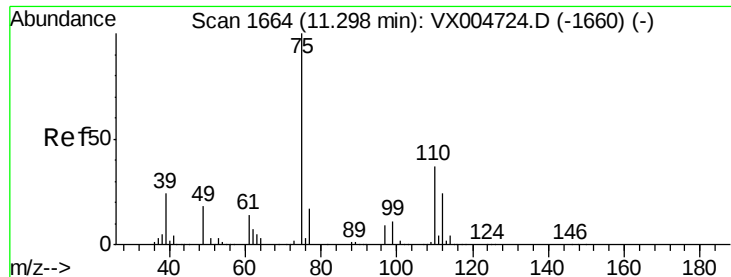
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.935 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005049.D

Acq: 05 Oct 2018 05:51

Instrument :

MSVOA_X

ClientSampleId :

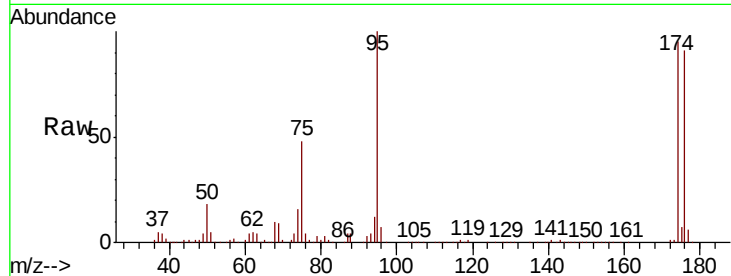
SA-TW510-1216

Tot Ion: 75 Resp: 84131

Ion Ratio Lower Upper

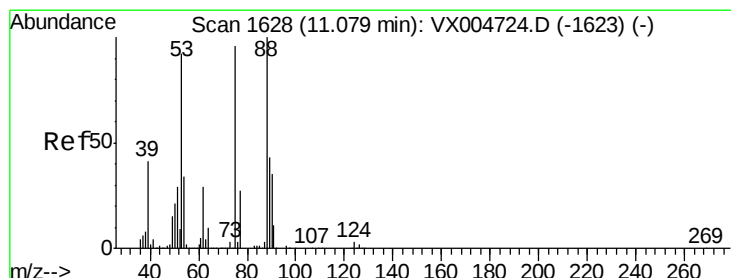
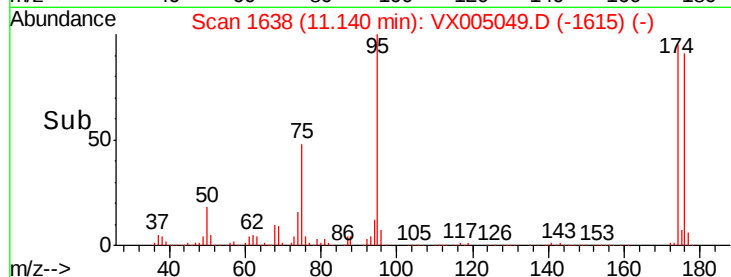
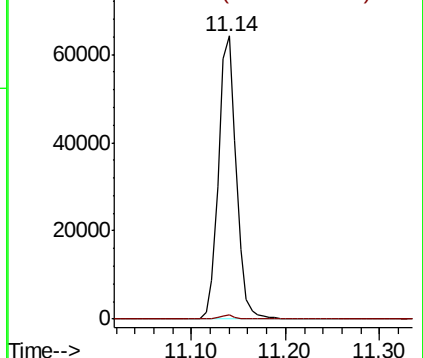
75 100

77 1.3 21.4 64.3#



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: 56.816 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005049.D

Acq: 05 Oct 2018 05:51

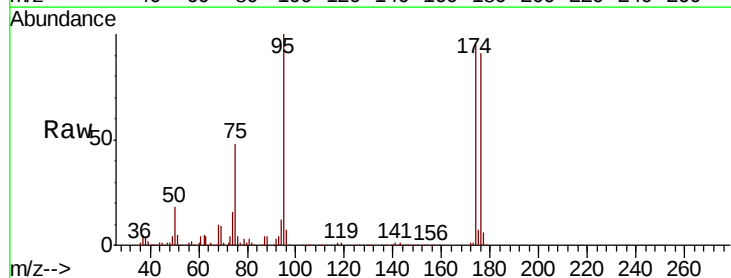
Tgt Ion: 75 Resp: 84131

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

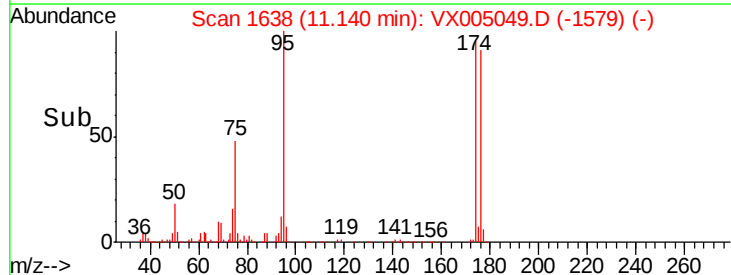
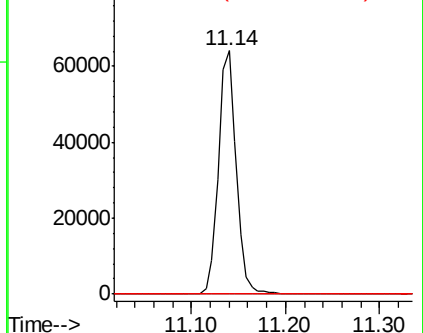
89 0.0 37.1 55.7#

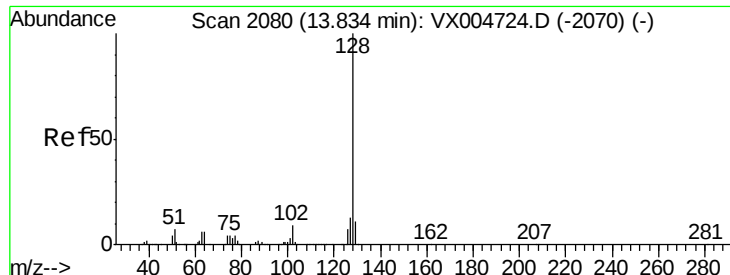


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 0.789 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005049.D
Acq: 05 Oct 2018 05:51

Instrument :
MSVOA_X
ClientSampleId :
SA-TW510-1216

Tot Ion	Ratio	Lower	Upper
128	100		
127	8.3	10.4	15.6#
129	8.8	8.7	13.1

