

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
 Data File : VX005191.D
 Acq On : 10 Oct 2018 06:32
 Operator : JC/MD
 Sample : J5303-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW514-1014

Quant Time: Oct 10 08:33:57 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

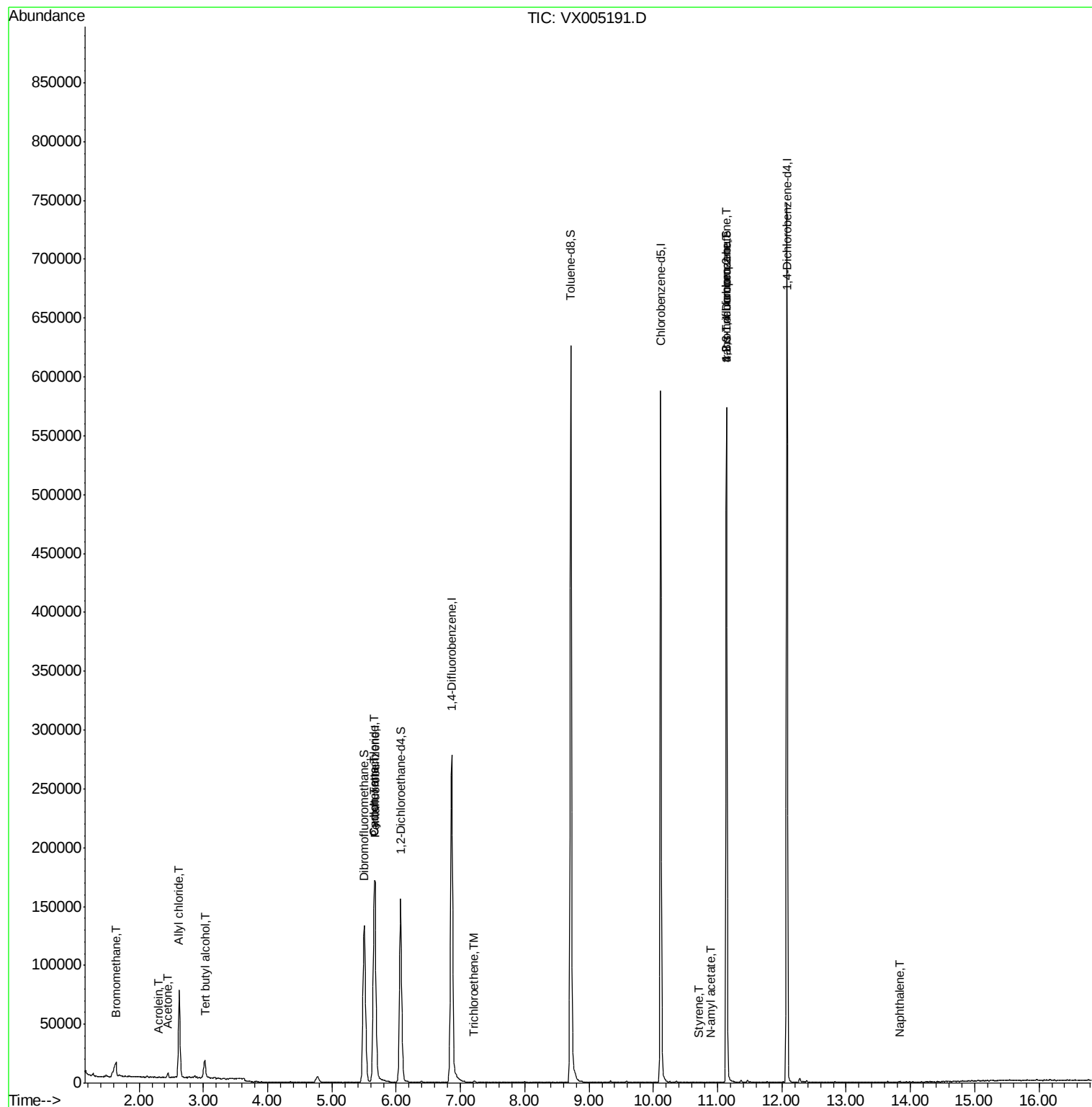
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	181314	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	286210	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	273507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	153402	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	139067	53.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.38%	
35) Dibromofluoromethane	5.51	113	115169	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.96%	
50) Toluene-d8	8.72	98	400514	49.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.14	95	142385	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	592	0.355	ug/l #	53
6) Chloroethane	1.73	64	864	Below Cal	#	45
11) Tert butyl alcohol	3.02	59	9360	12.924	ug/l #	79
13) Acrolein	2.29	56	154	0.299	ug/l	82
14) Allyl chloride	2.62	41	7368	1.719	ug/l #	55
16) Acetone	2.45	43	4004	2.648	ug/l	95
20) Methylene Chloride	2.86	84	640	Below Cal	#	88
31) Cyclohexane	5.66	56	3480	1.056	ug/l #	1
38) Carbon Tetrachloride	5.67	117	16082	4.623	ug/l #	18
44) Trichloroethene	7.21	130	575	0.226	ug/l	91
70) Styrene	10.71	104	61	2.148	ug/l #	25
74) N-amyl acetate	10.90	43	72	1.761	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	71431	20.775	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	164	Below Cal	#	29
81) trans-1,4-Dichloro-2-buten	11.14	75	71431	56.397	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.82	105	250	Below Cal		96
95) Naphthalene	13.83	128	395	0.750	ug/l #	88

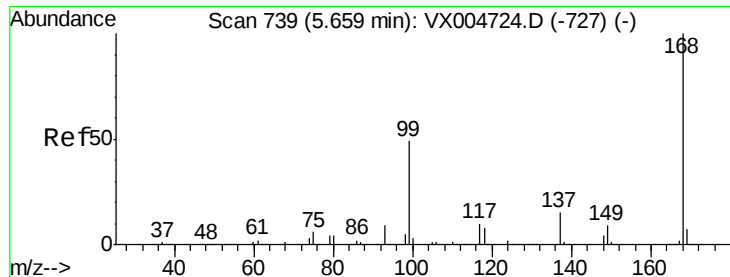
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005191.D

Acq: 10 Oct 2018 06:32

Instrument :

MSVOA_X

ClientSampleId :

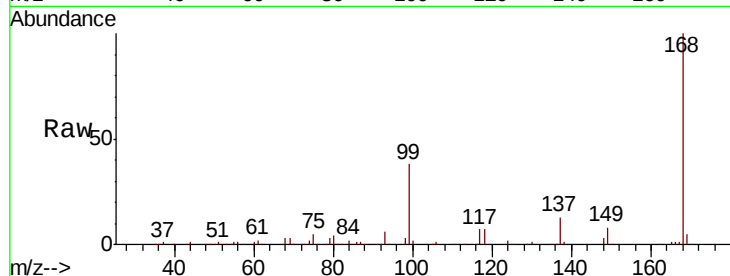
SA-TW514-1014

Tot Ion:168 Resp: 181314

Ion Ratio Lower Upper

168 100

99 38.2 39.3 58.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

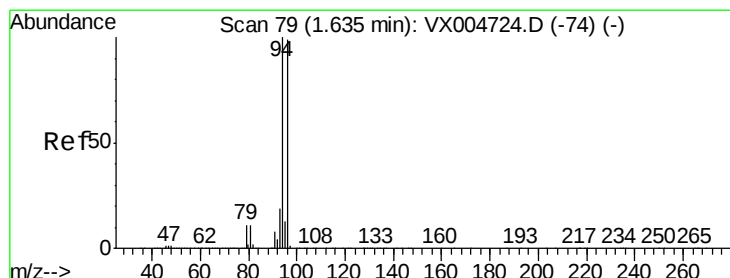
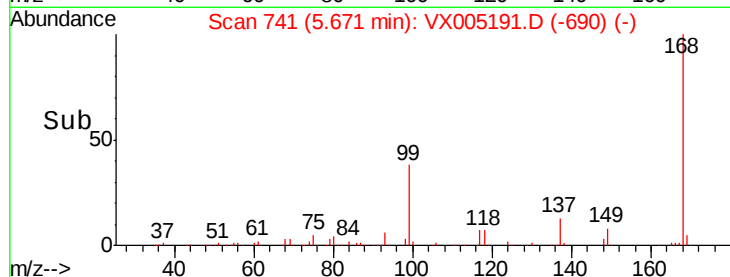
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: 0.355 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005191.D

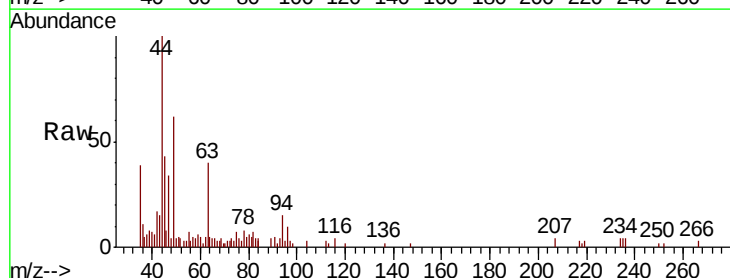
Acq: 10 Oct 2018 06:32

Tgt Ion: 94 Resp: 592

Ion Ratio Lower Upper

94 100

96 52.4 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

300

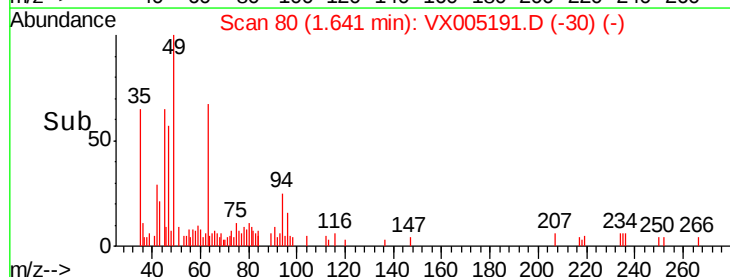
200

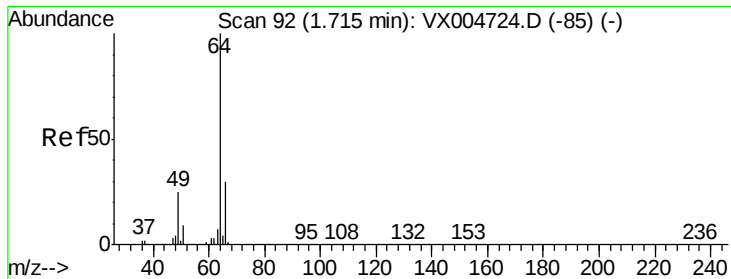
100

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX005191.D

Acq: 10 Oct 2018 06:32

Instrument :

MSVOA_X

ClientSampleId :

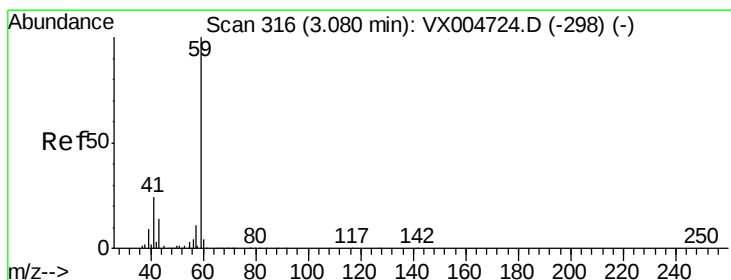
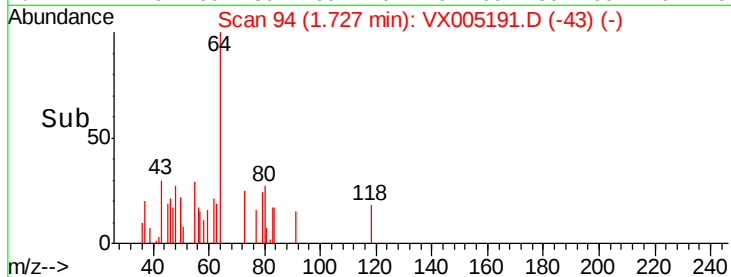
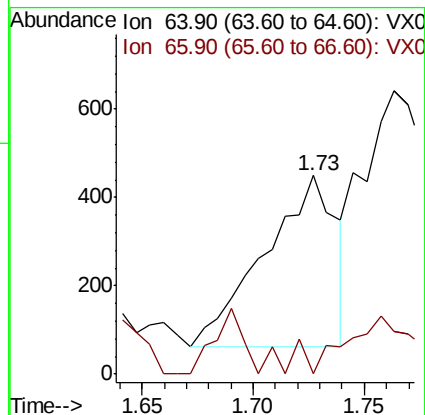
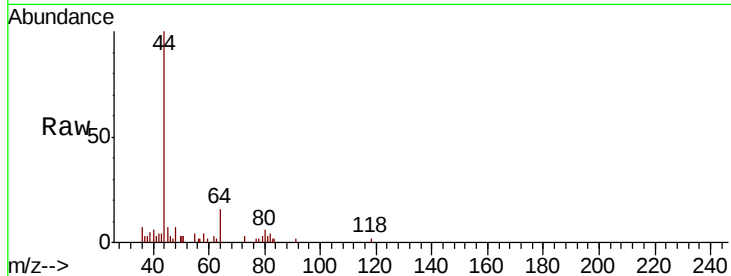
SA-TW514-1014

Tot Ion: 64 Resp: 864

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.6#



#11

Tert butyl alcohol

Concen: 12.924 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX005191.D

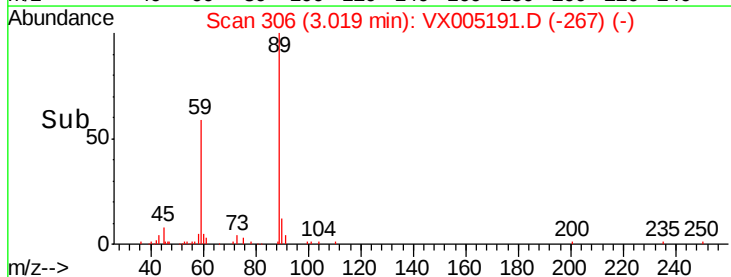
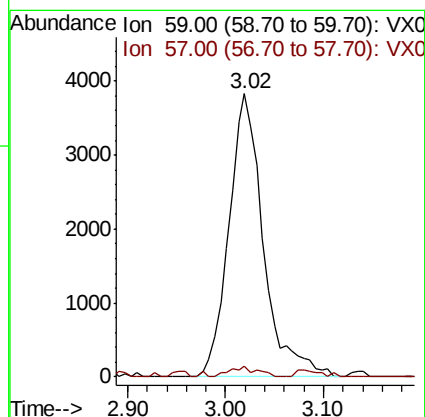
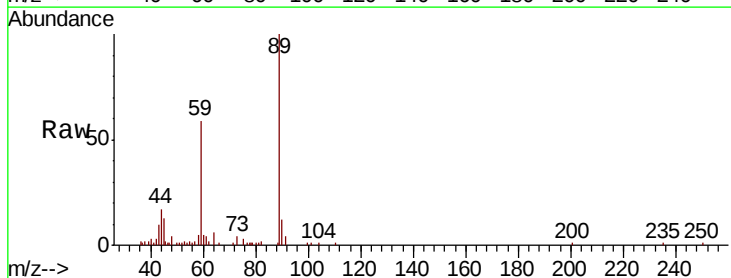
Acq: 10 Oct 2018 06:32

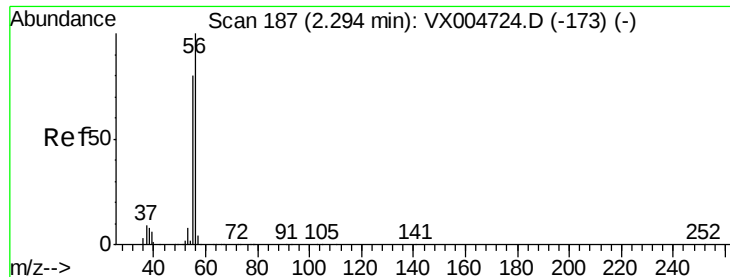
Tgt Ion: 59 Resp: 9360

Ion Ratio Lower Upper

59 100

57 2.9 8.6 12.8#





#13

Acrolein

Concen: 0.299 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005191.D

Acq: 10 Oct 2018 06:32

Instrument :

MSVOA_X

ClientSampleId :

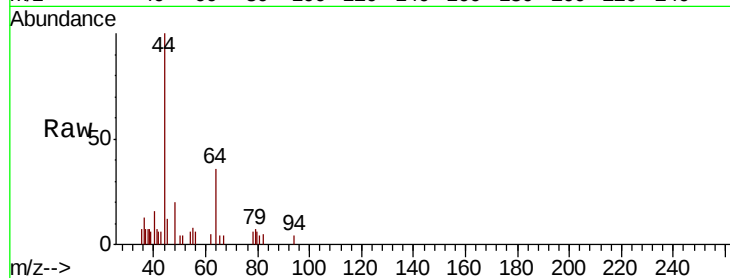
SA-TW514-1014

Tot Ion: 56 Resp: 154

Ion Ratio Lower Upper

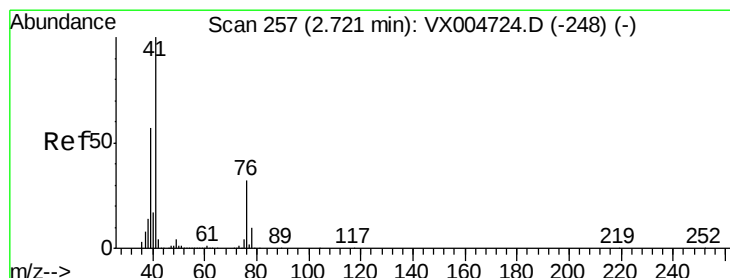
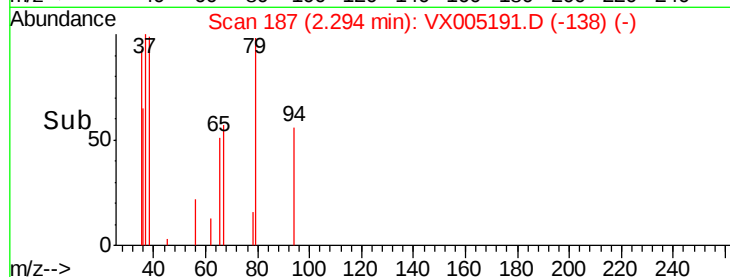
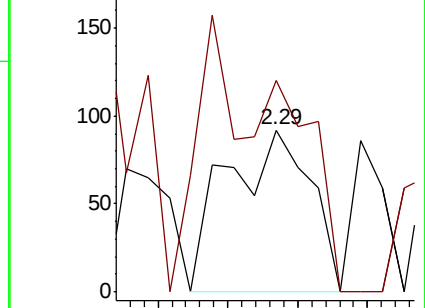
56 100

55 94.8 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.719 ug/l

RT: 2.62 min Scan# 241

Delta R.T. -0.10 min

Lab File: VX005191.D

Acq: 10 Oct 2018 06:32

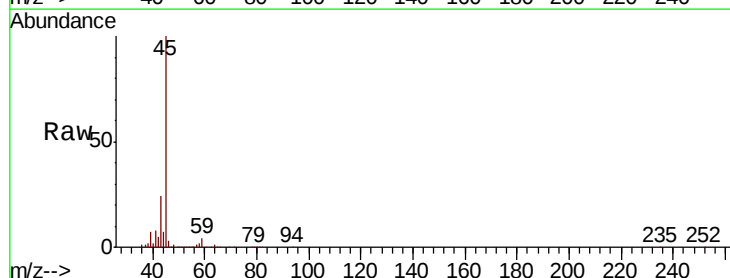
Tgt Ion: 41 Resp: 7368

Ion Ratio Lower Upper

41 100

39 82.5 44.1 66.1#

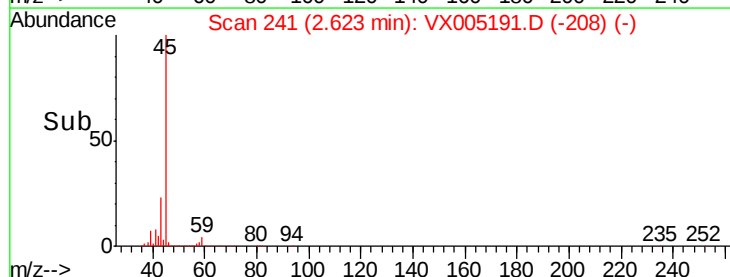
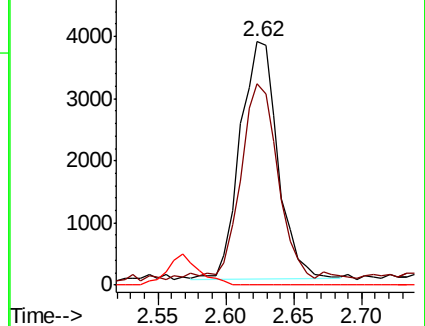
76 0.0 25.0 37.4#

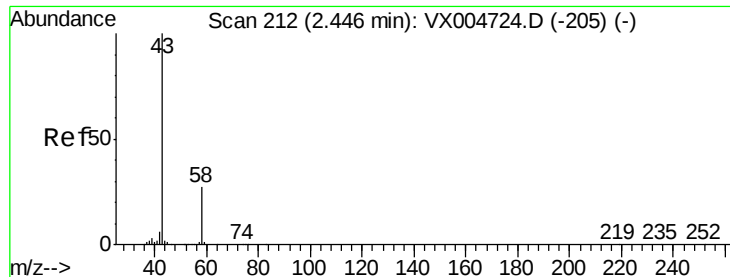


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 2.648 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005191.D

Acq: 10 Oct 2018 06:32

Instrument :

MSVOA_X

ClientSampleId :

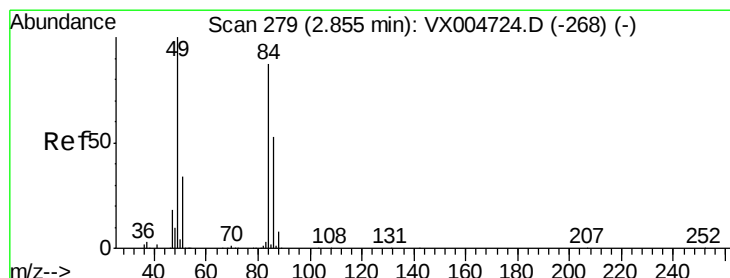
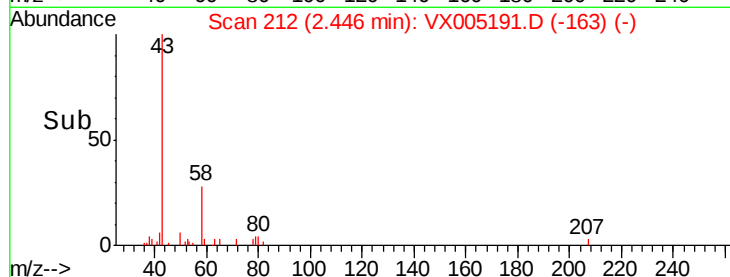
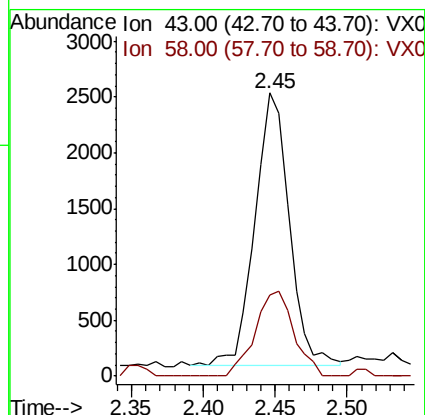
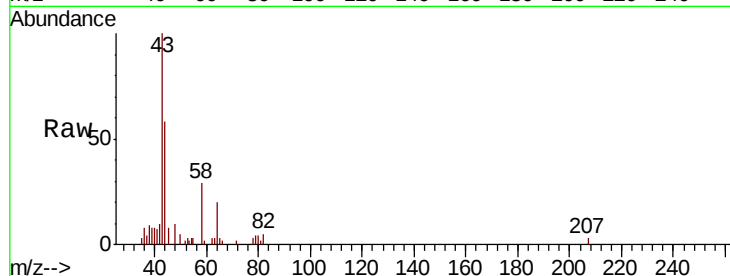
SA-TW514-1014

Tot Ion: 43 Resp: 4004

Ion Ratio Lower Upper

43 100

58 29.9 21.8 32.6



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005191.D

Acq: 10 Oct 2018 06:32

Tgt Ion: 84 Resp: 640

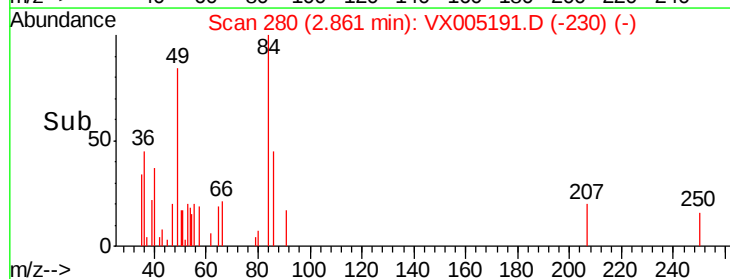
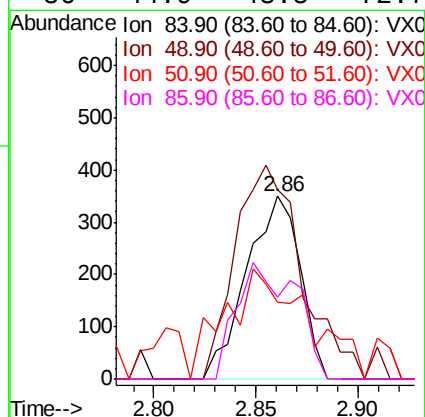
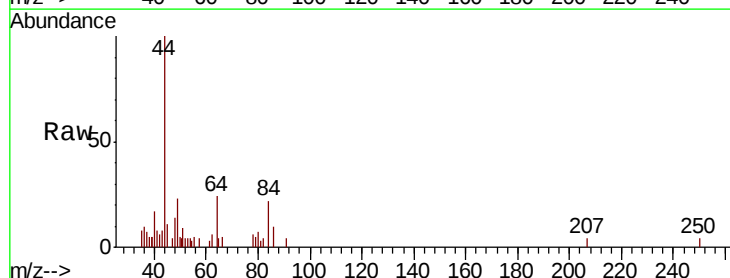
Ion Ratio Lower Upper

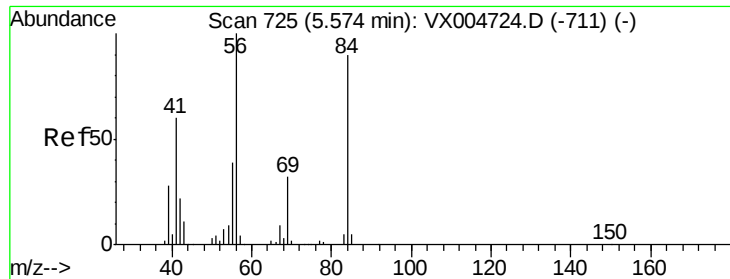
84 100

49 103.7 92.3 138.5

51 42.3 31.8 47.6

86 44.9 48.5 72.7#

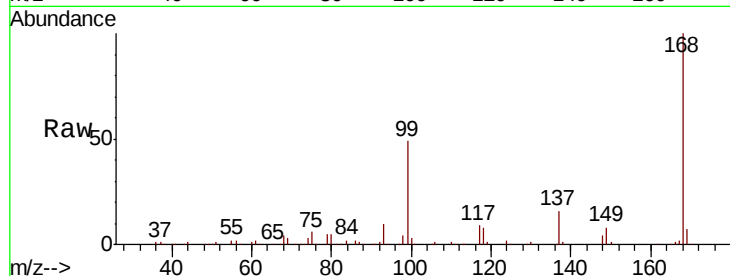




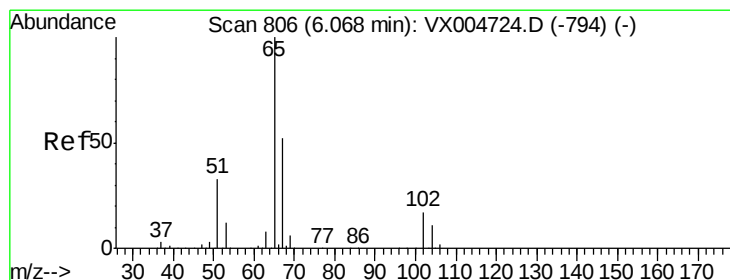
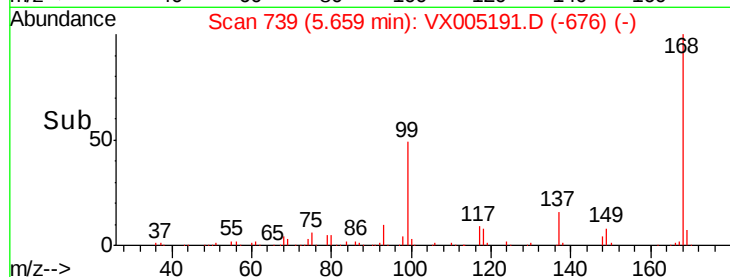
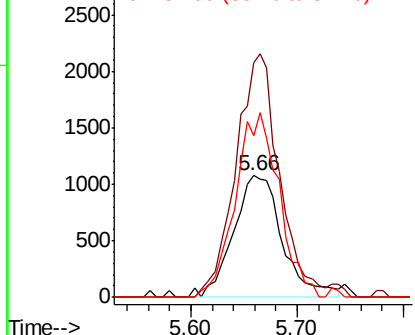
#31
Cvclohexane
Concen: 1.056 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005191.D
Acq: 10 Oct 2018 06:32

Instrument :
MSVOA_X
ClientSampleId :
SA-TW514-1014

Tot Ion: 56 Resp: 3480
Ion Ratio Lower Upper
56 100
69 192.7 25.9 38.9#
84 132.8 71.9 107.9#

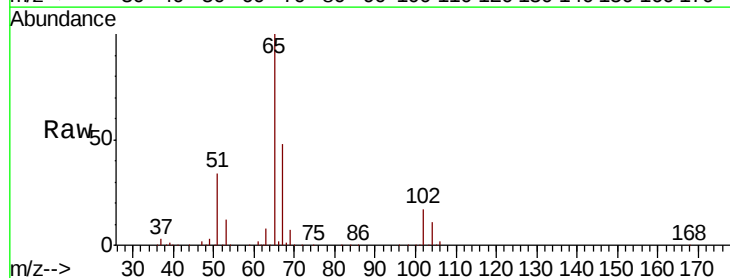


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

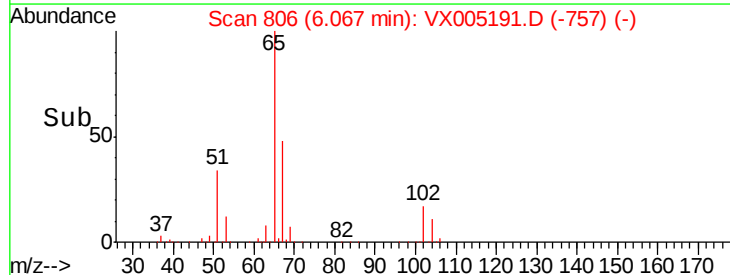
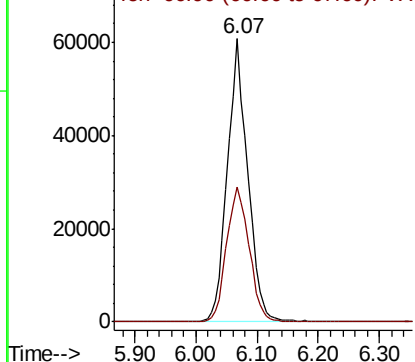


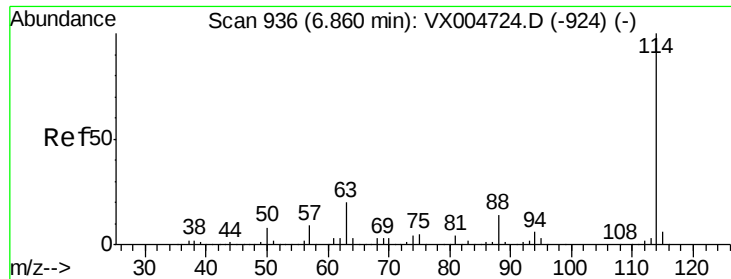
#33
1,2-Dichloroethane-d4
Concen: 53.692 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005191.D
Acq: 10 Oct 2018 06:32

Tgt Ion: 65 Resp: 139067
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

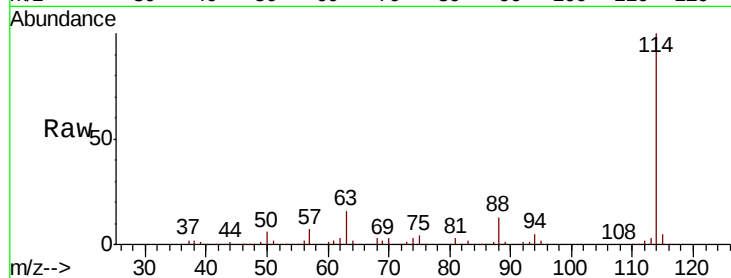




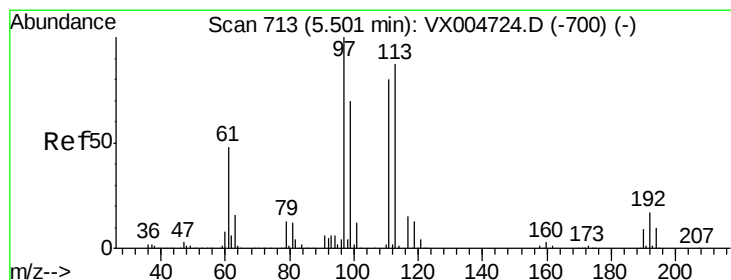
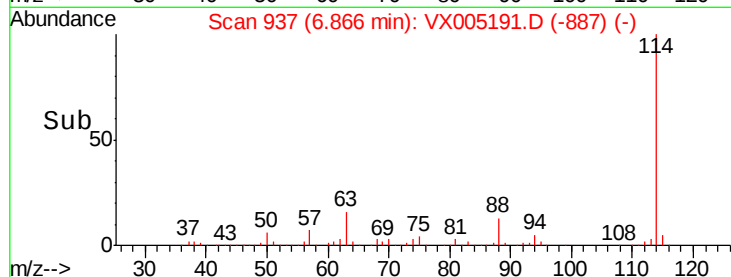
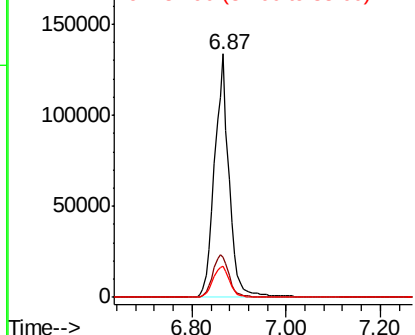
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX005191.D
Acq: 10 Oct 2018 06:32

Instrument :
MSVOA_X
ClientSampleId :
SA-TW514-1014

Tot Ion:114 Resp: 286210
Ion Ratio Lower Upper
114 100
63 16.4 0.0 39.8
88 12.7 0.0 27.0

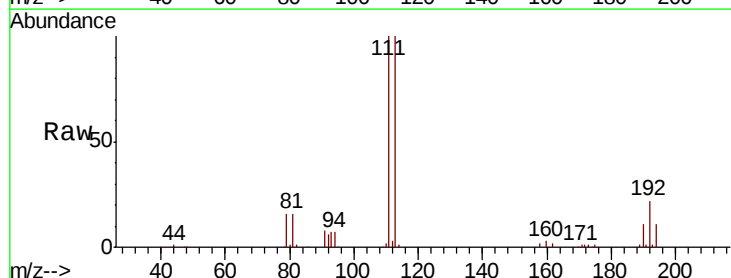


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

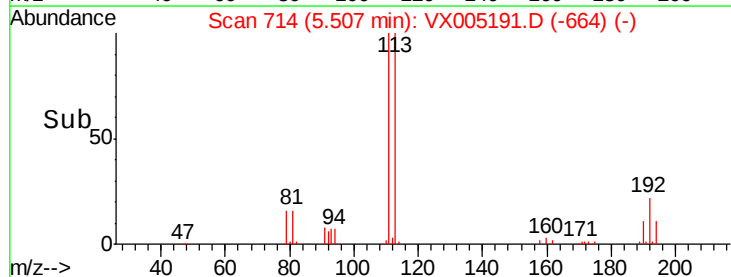
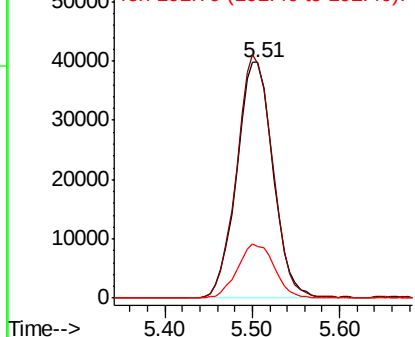


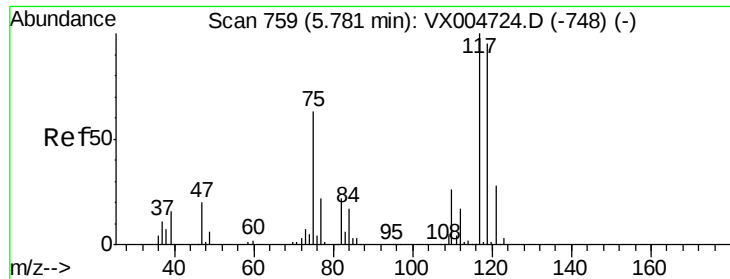
#35
Dibromofluoromethane
Concen: 47.479 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005191.D
Acq: 10 Oct 2018 06:32

Tgt Ion:113 Resp: 115169
Ion Ratio Lower Upper
113 100
111 102.0 77.0 115.4
192 23.4 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





#38

Carbon Tetrachloride

Concen: 4.623 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005191.D

Acq: 10 Oct 2018 06:32

Instrument :

MSVOA_X

ClientSampleId :

SA-TW514-1014

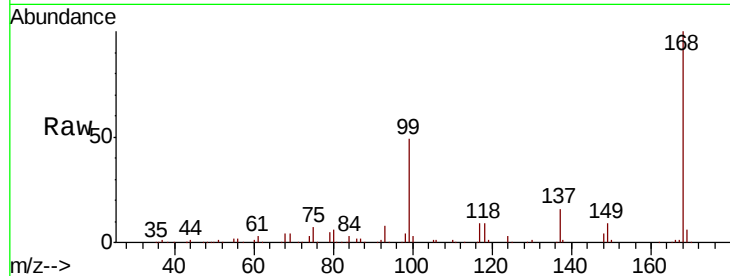
Tot Ion:117 Resp: 16082

Ion Ratio Lower Upper

117 100

119 6.7 75.2 112.8#

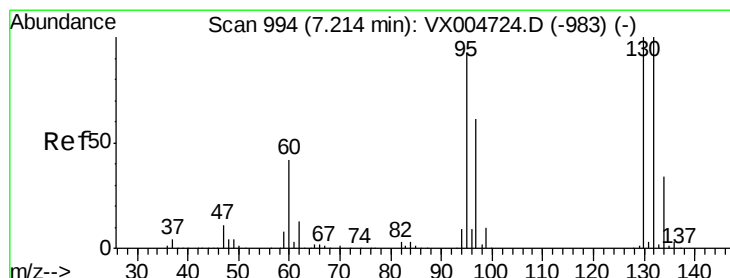
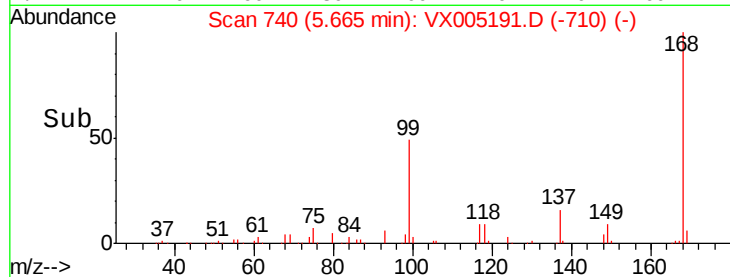
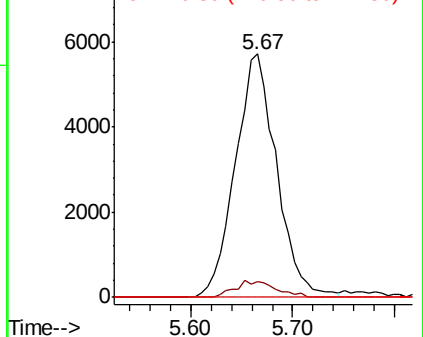
121 0.0 22.5 33.7#



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



#44

Trichloroethene

Concen: 0.226 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005191.D

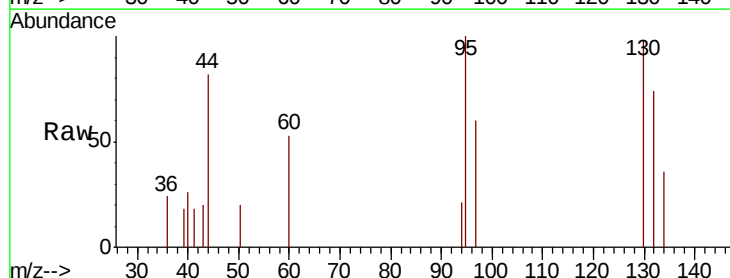
Acq: 10 Oct 2018 06:32

Tgt Ion:130 Resp: 575

Ion Ratio Lower Upper

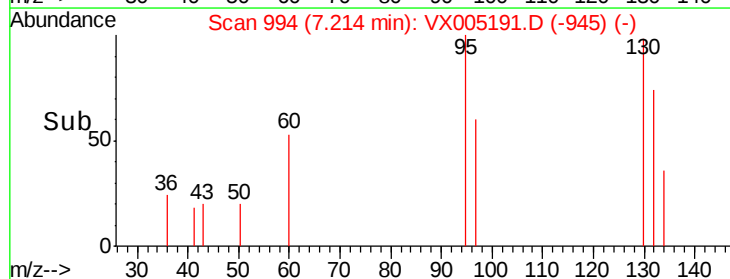
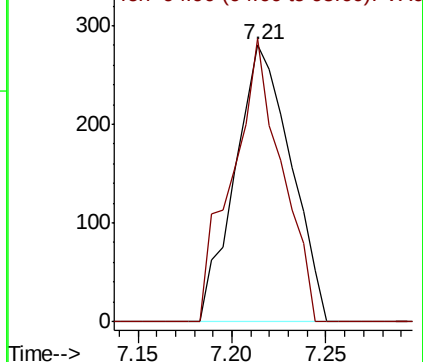
130 100

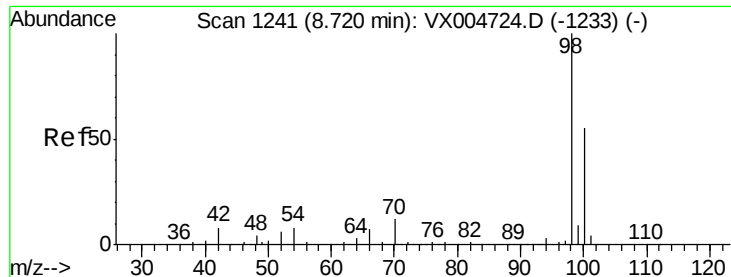
95 102.1 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.666 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005191.D

Acq: 10 Oct 2018 06:32

Instrument :

MSVOA_X

ClientSampleId :

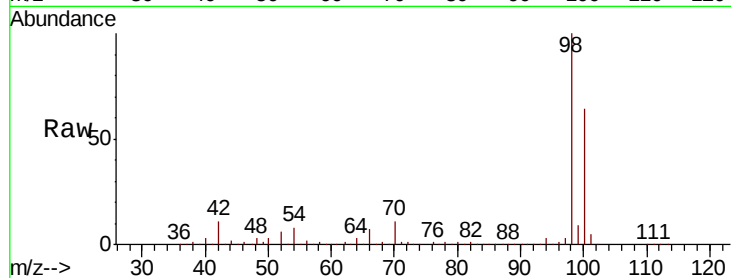
SA-TW514-1014

Tot Ion: 98 Resp: 400514

Ion Ratio Lower Upper

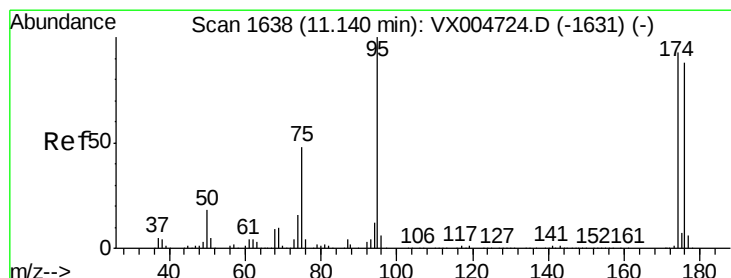
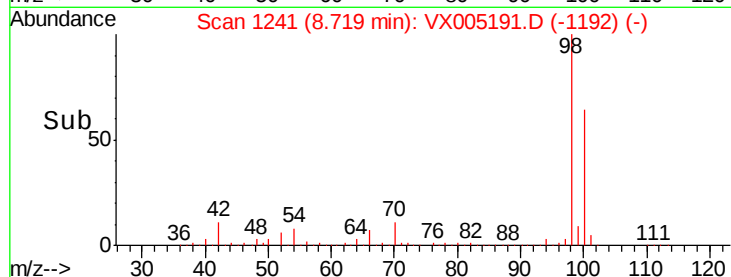
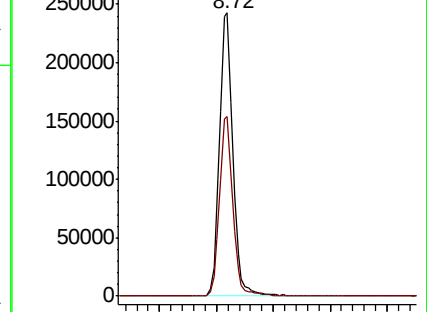
98 100

100 63.3 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: 49.011 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005191.D

Acq: 10 Oct 2018 06:32

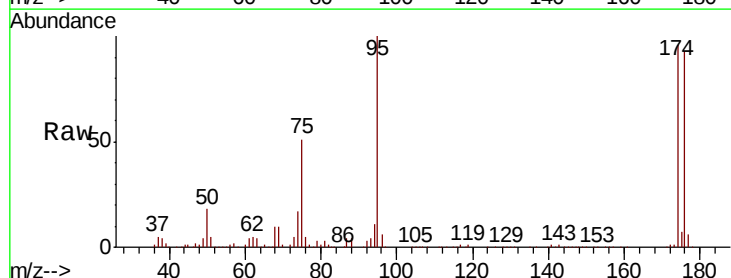
Tgt Ion: 95 Resp: 142385

Ion Ratio Lower Upper

95 100

174 93.1 0.0 185.0

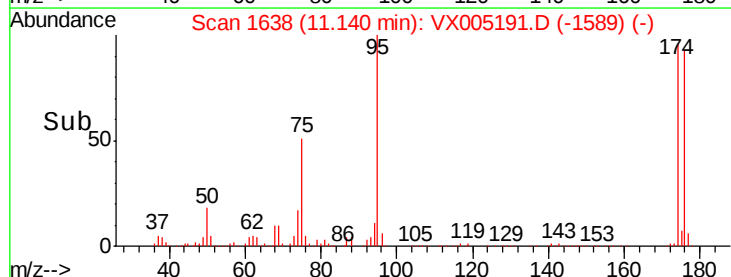
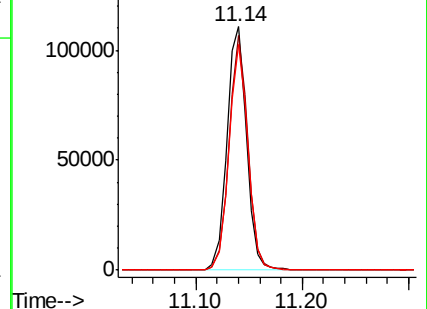
176 90.2 0.0 180.2

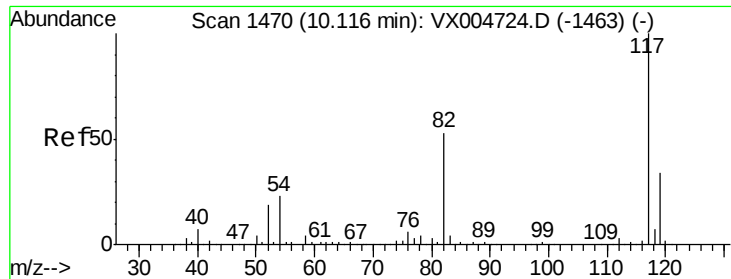


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

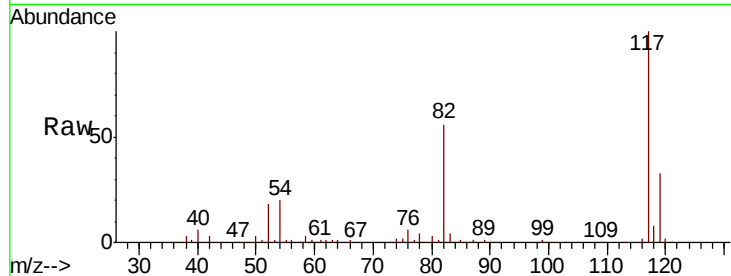




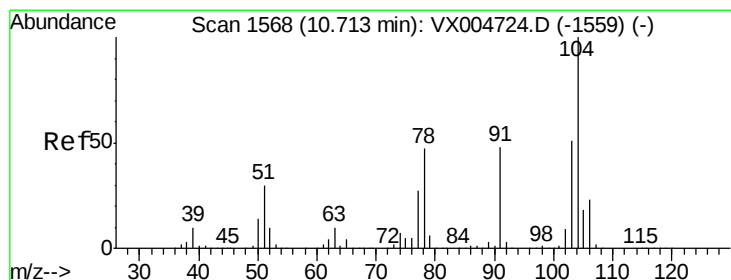
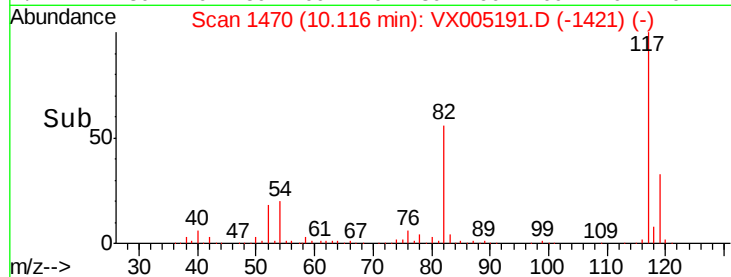
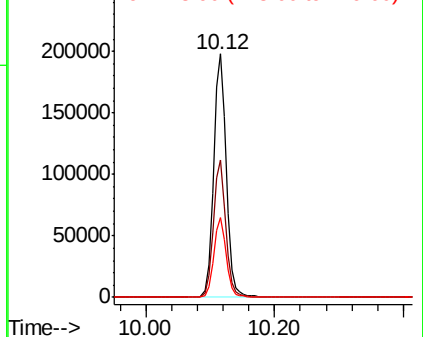
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005191.D
Acq: 10 Oct 2018 06:32

Instrument :
MSVOA_X
ClientSampleId :
SA-TW514-1014

Tot Ion:117 Resp: 273507
Ion Ratio Lower Upper
117 100
82 56.2 42.2 63.4
119 32.5 27.4 41.0

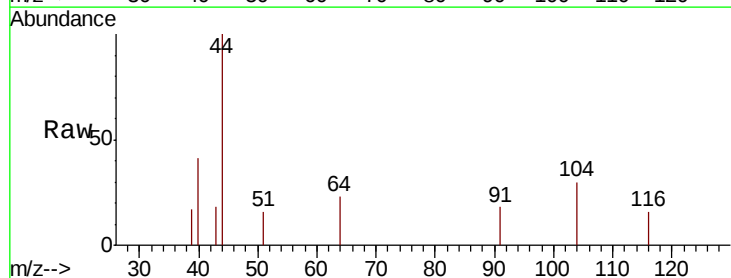


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

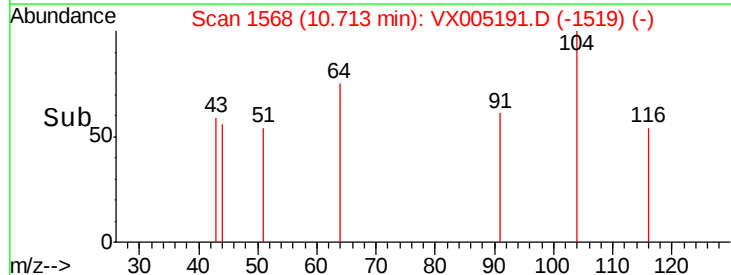
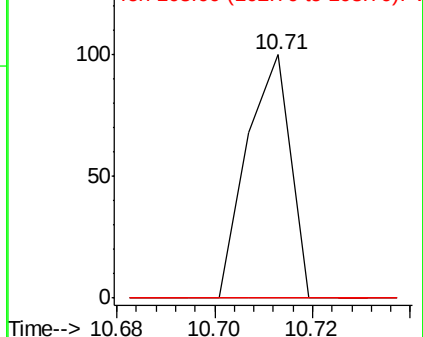


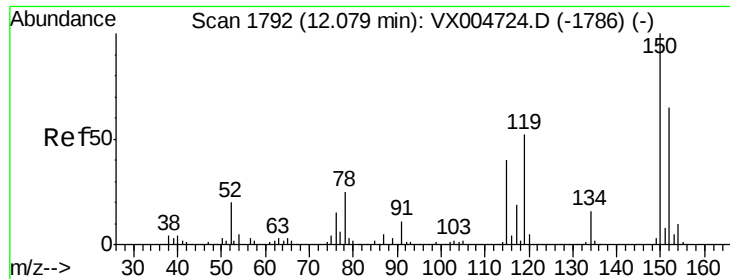
#70
Styrene
Concen: 2.148 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005191.D
Acq: 10 Oct 2018 06:32

Tgt Ion:104 Resp: 61
Ion Ratio Lower Upper
104 100
78 0.0 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: VX005191.D

Acq: 10 Oct 2018 06:32

Instrument :

MSVOA_X

ClientSampleId :

SA-TW514-1014

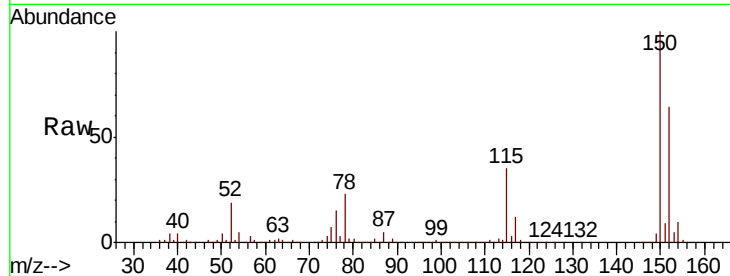
Tot Ion:152 Resp: 153402

Ion Ratio Lower Upper

152 100

115 54.7 40.2 120.6

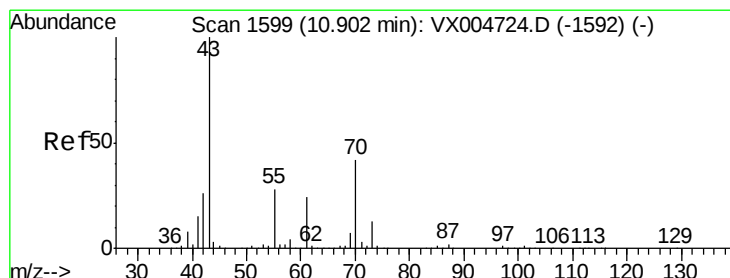
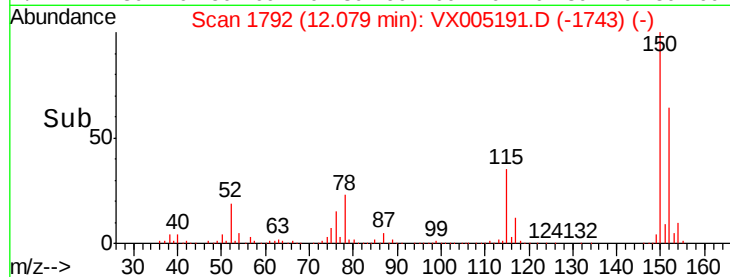
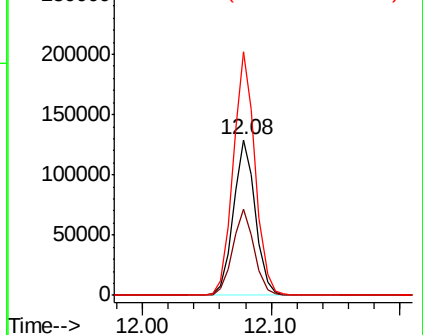
150 155.6 0.0 351.0



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: 1.761 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005191.D

Acq: 10 Oct 2018 06:32

Tgt Ion: 43 Resp: 72

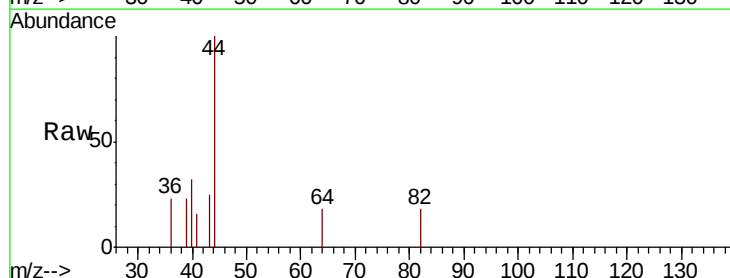
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#

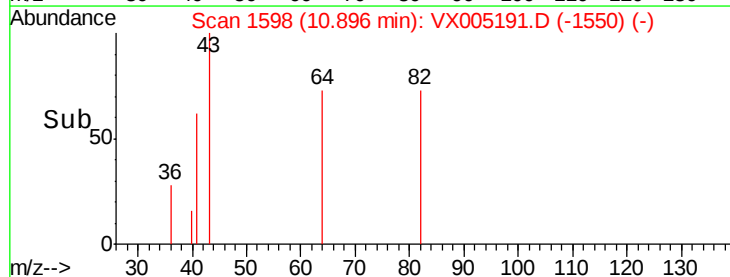
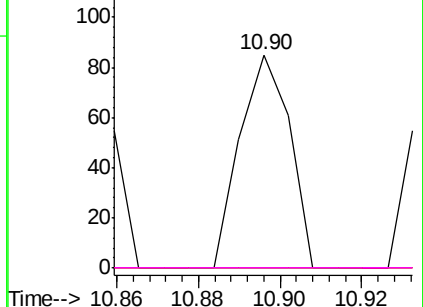


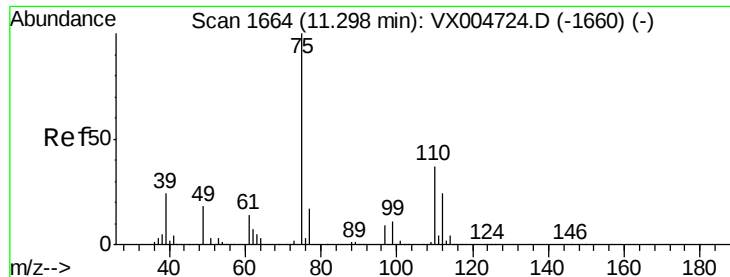
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.775 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005191.D

Acq: 10 Oct 2018 06:32

Instrument :

MSVOA_X

ClientSampleId :

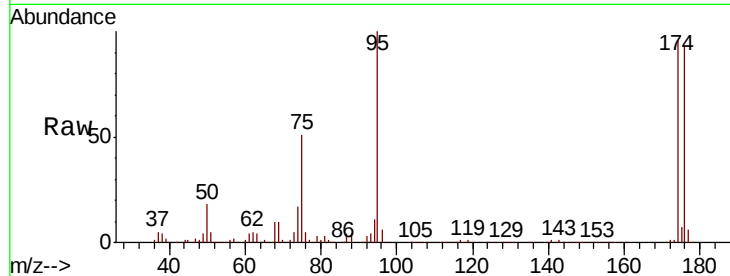
SA-TW514-1014

Tot Ion: 75 Resp: 71431

Ion Ratio Lower Upper

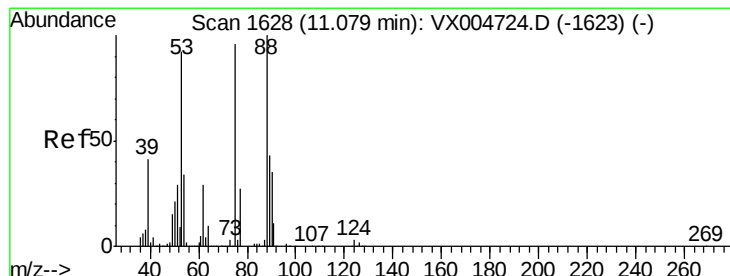
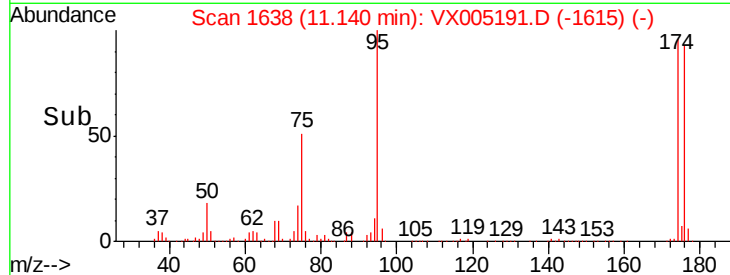
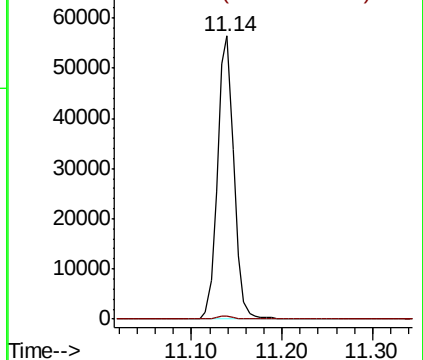
75 100

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: 56.397 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005191.D

Acq: 10 Oct 2018 06:32

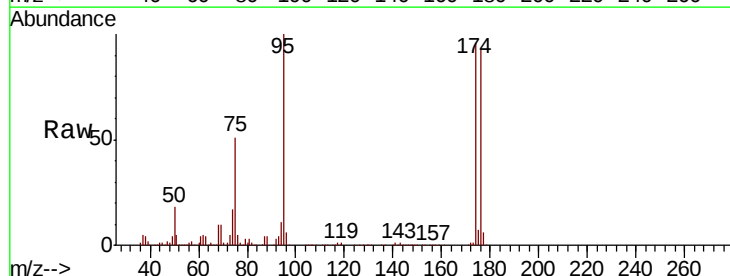
Tgt Ion: 75 Resp: 71431

Ion Ratio Lower Upper

75 100

53 0.4 80.2 120.4#

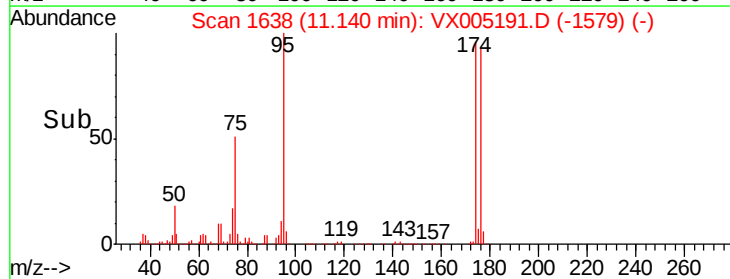
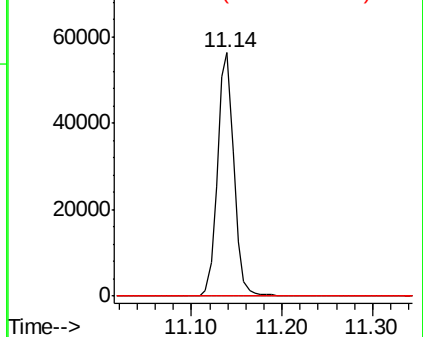
89 0.0 37.1 55.7#

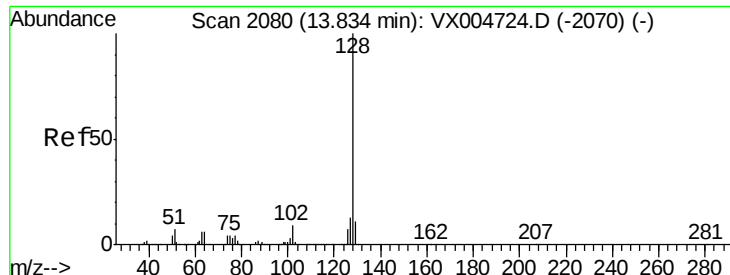


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 0.750 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005191.D

Acq: 10 Oct 2018 06:32

Instrument :

MSVOA_X

ClientSampleId :

SA-TW514-1014

Tot Ion:128 Resp: 395

Ion Ratio Lower Upper

128 100

127 6.6 10.4 15.6#

129 8.1 8.7 13.1#

