

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004691.D
 Acq On : 19 Sep 2018 06:56
 Operator : JC/MD
 Sample : J4941-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 19 12:21:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337757	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196427	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	147227	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
35) Dibromofluoromethane	5.49	113	143331	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
50) Toluene-d8	8.71	98	460007	44.38	ug/l	0.00
Spiked Amount			Recovery	=	88.76%	
62) 4-Bromofluorobenzene	11.14	95	162153	43.83	ug/l	0.00
Spiked Amount			Recovery	=	87.66%	

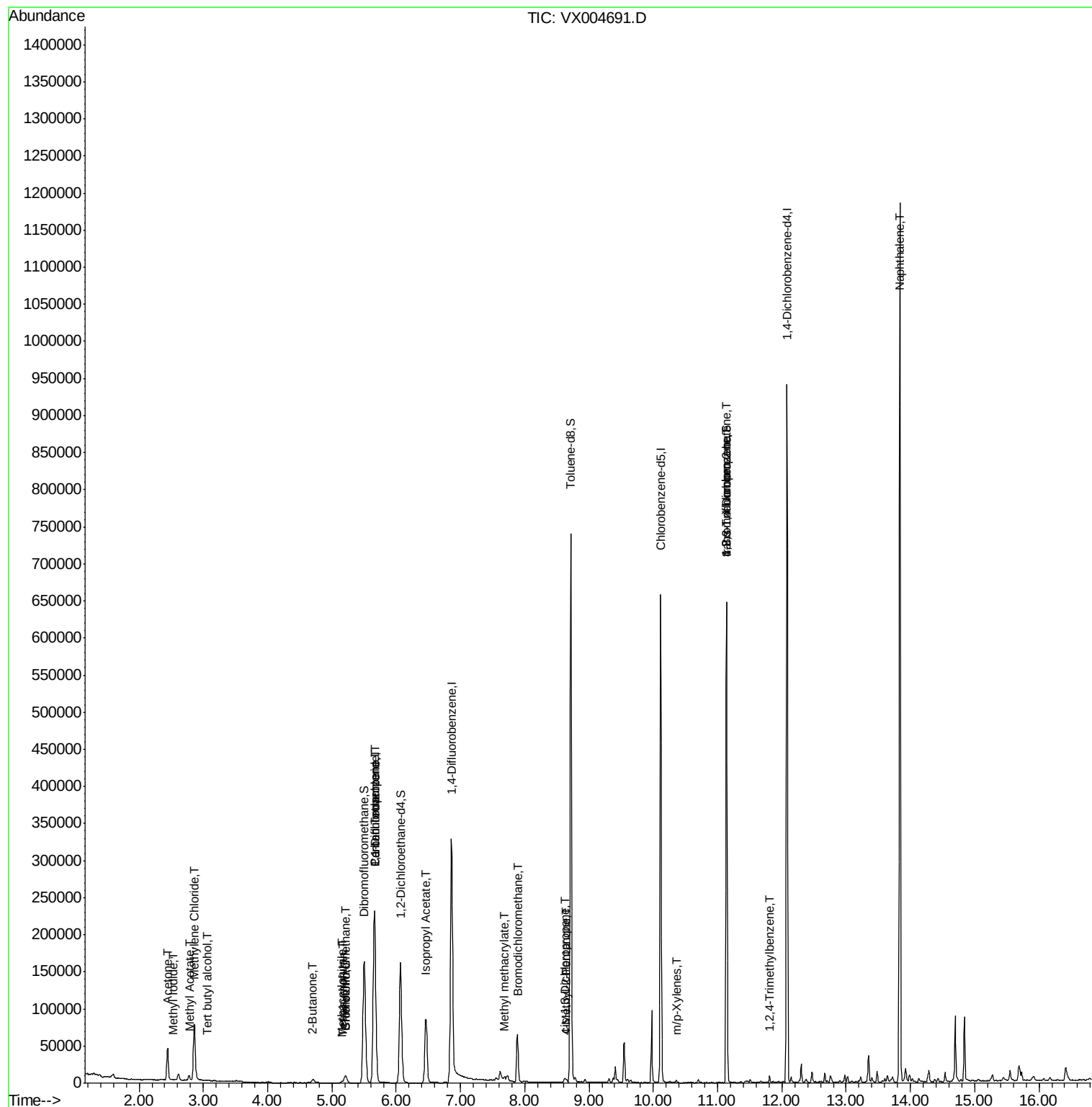
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	471	Below Cal	#	72
10) Methyl Iodide	2.53	142	45	4.269	ug/l #	41
11) Tert butyl alcohol	3.06	59	1460	1.893	ug/l #	82
16) Acetone	2.45	43	44366	28.116	ug/l	97
18) Methyl Acetate	2.78	43	7332	1.656	ug/l	99
20) Methylene Chloride	2.85	84	38423	11.870	ug/l	99
25) 2-Butanone	4.70	43	9555	3.805	ug/l	90
28) Bromochloromethane	5.21	49	897	0.358	ug/l #	9
29) Tetrahydrofuran	5.17	42	1908	1.260	ug/l	97
30) Chloroform	5.21	83	11596	2.169	ug/l	92
36) 1,1-Dichloropropene	5.66	75	15663	3.820	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21191	5.291	ug/l #	16
41) Methacrylonitrile	5.15	41	1259	0.490	ug/l #	48
43) Isopropyl Acetate	6.46	43	119481	19.289	ug/l	99
47) Bromodichloromethane	7.90	83	2328	0.666	ug/l #	89
48) Methyl methacrylate	7.68	41	7401	2.414	ug/l #	20
51) 4-Methyl-2-Pentanone	8.65	43	4547	1.040	ug/l #	74
54) cis-1,3-Dichloropropene	8.62	75	928	0.223	ug/l #	74
68) m/p-Xylenes	10.35	106	1002	0.206	ug/l	88
76) 1,2,3-Trichloropropane	11.14	75	74922	18.958	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	74922	60.429	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	4032	0.363	ug/l	94
95) Naphthalene	13.83	128	712803	53.154	ug/l	99

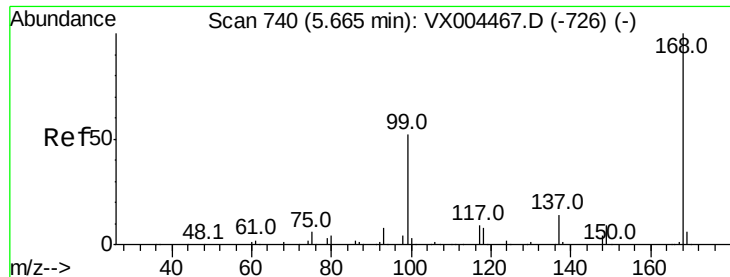
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091818\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
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: VX004691.D

Acq: 19 Sep 2018 06:56

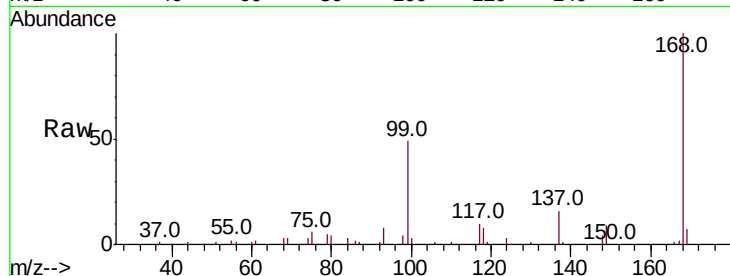
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 250737

Ion Ratio Lower Upper

168 100

99 49.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

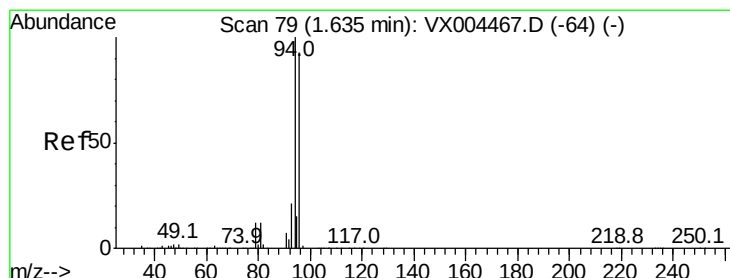
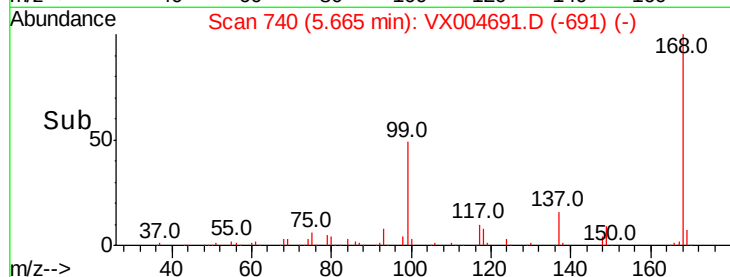
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004691.D

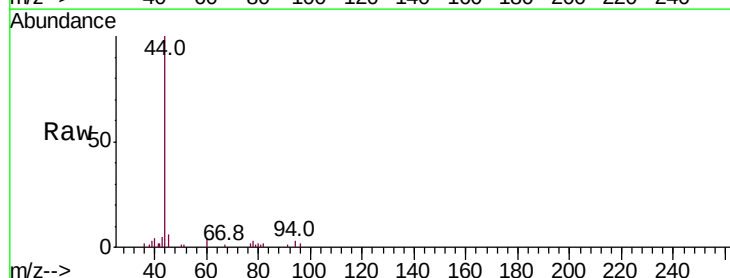
Acq: 19 Sep 2018 06:56

Tgt Ion: 94 Resp: 471

Ion Ratio Lower Upper

94 100

96 66.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

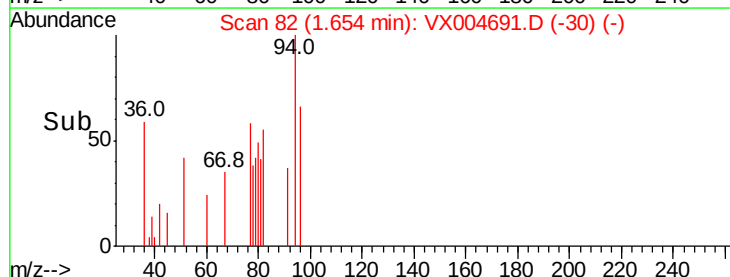
100

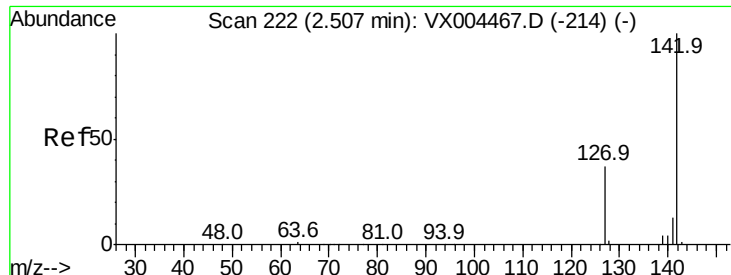
50

0

Time-->

1.60 1.65 1.70 1.75

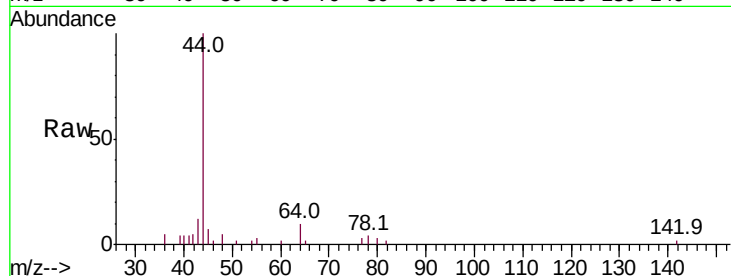




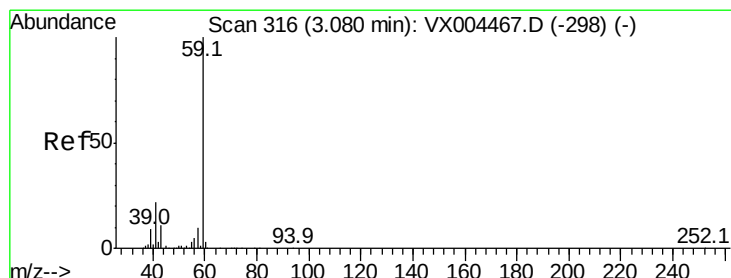
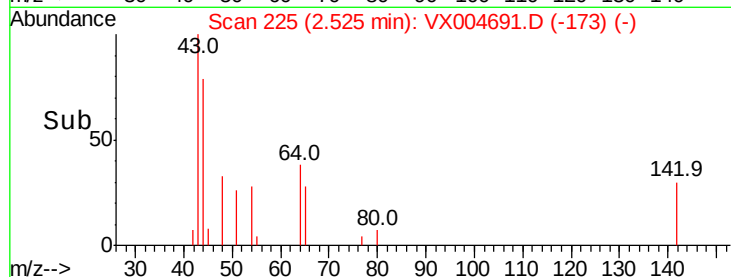
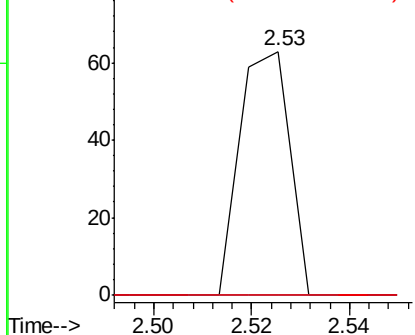
#10
Methvl Iodide
Concen: 4.269 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 45
Ion Ratio Lower Upper
142 100
127 0.0 33.8 50.6#
141 0.0 11.4 17.0#

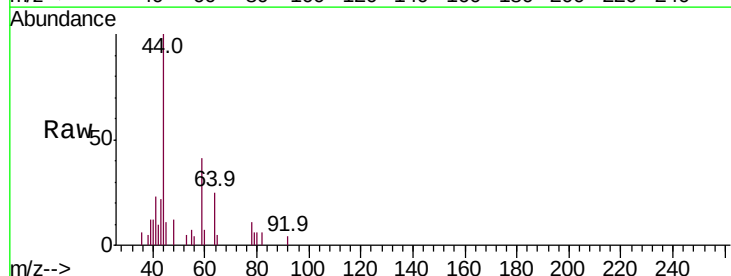


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

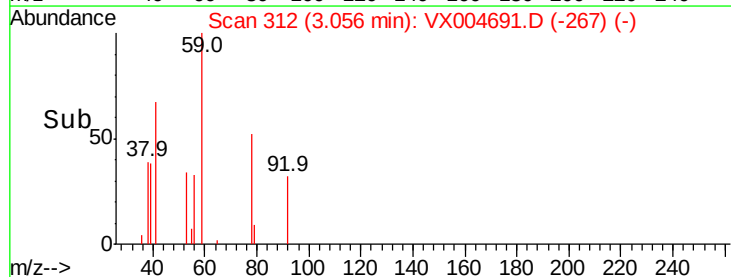
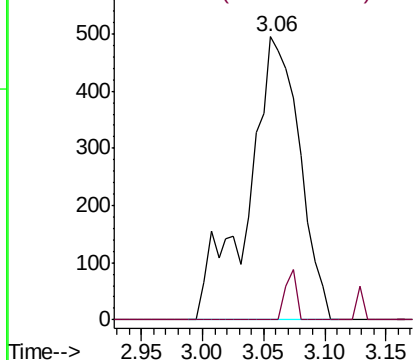


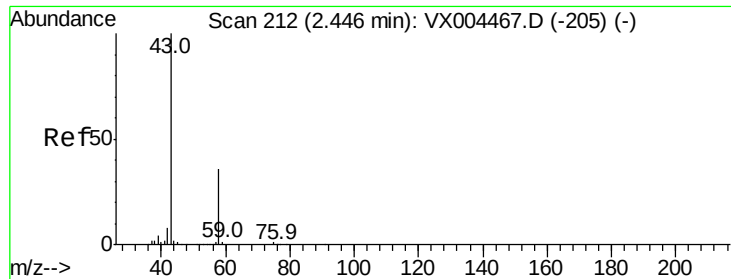
#11
Tert butyl alcohol
Concen: 1.893 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

Tgt Ion: 59 Resp: 1460
Ion Ratio Lower Upper
59 100
57 3.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 28.116 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

Instrument :

MSVOA_X

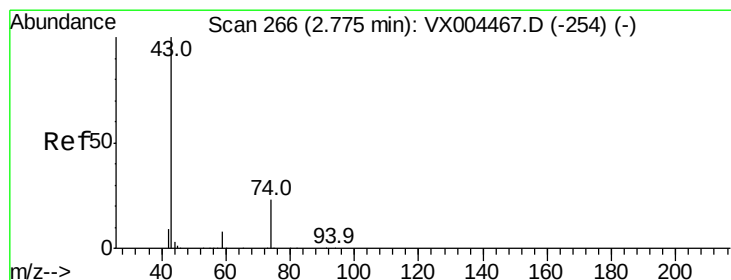
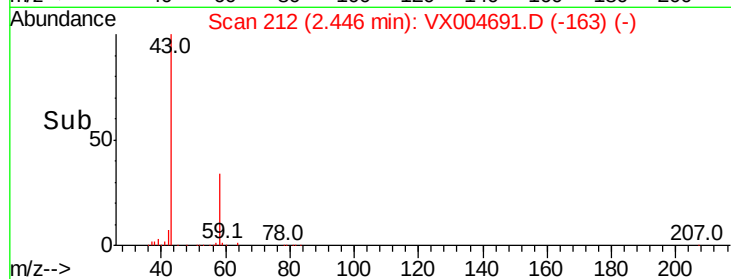
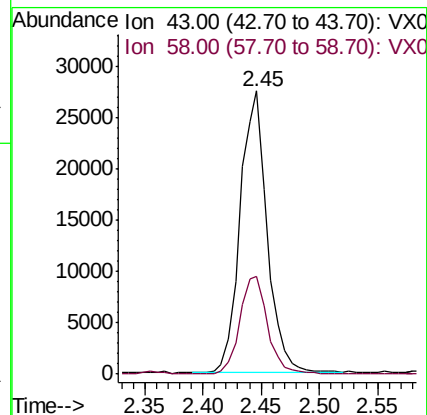
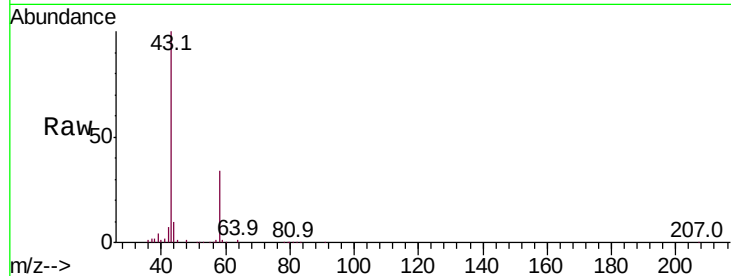
ClientSampleId :

Tot Ion: 43 Resp: 44366

Ion Ratio Lower Upper

43 100

58 34.5 26.2 39.4



#18

Methyl Acetate

Concen: 1.656 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004691.D

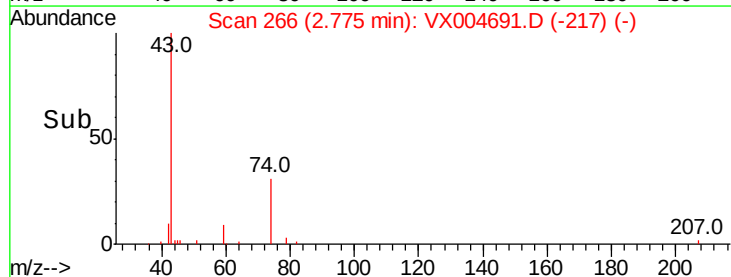
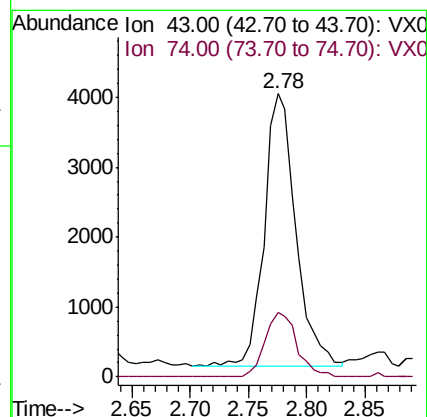
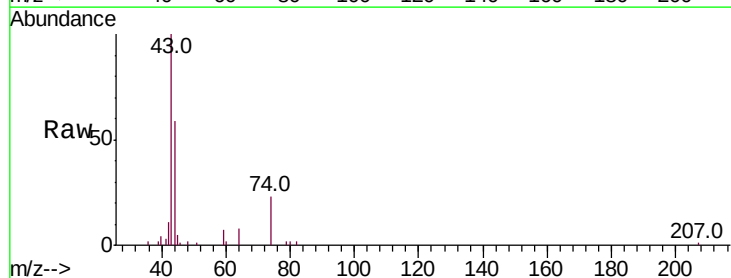
Acq: 19 Sep 2018 06:56

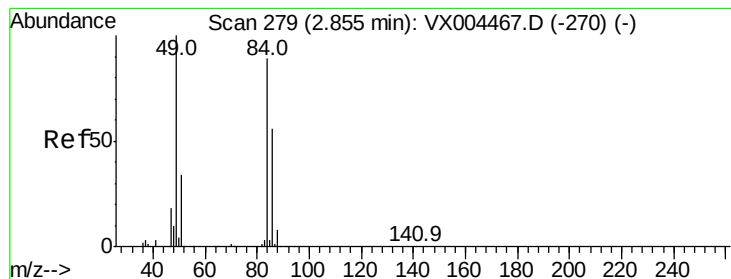
Tgt Ion: 43 Resp: 7332

Ion Ratio Lower Upper

43 100

74 23.9 19.4 29.2





#20

Methylene Chloride

Concen: 11.870 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 38423

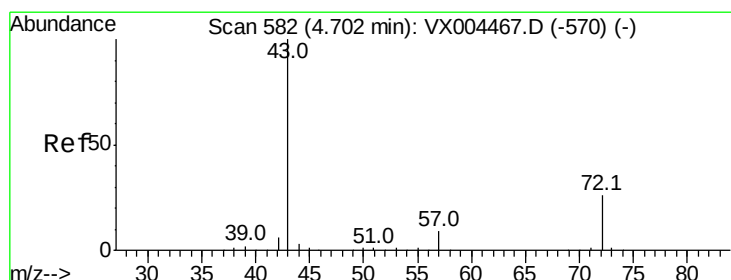
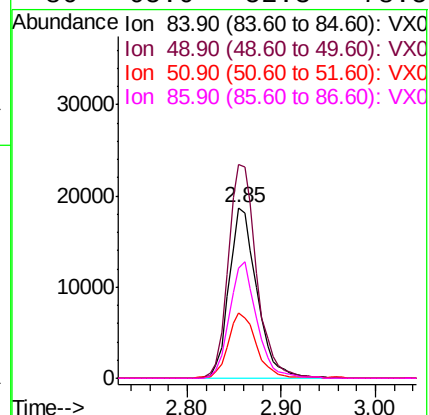
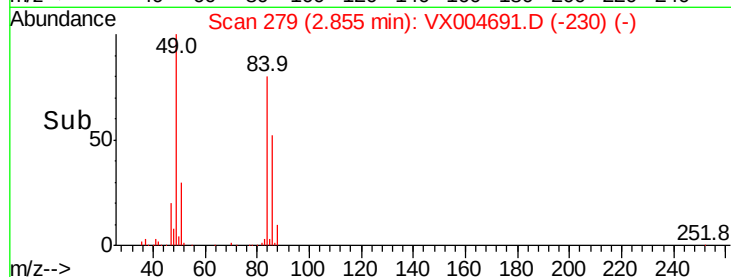
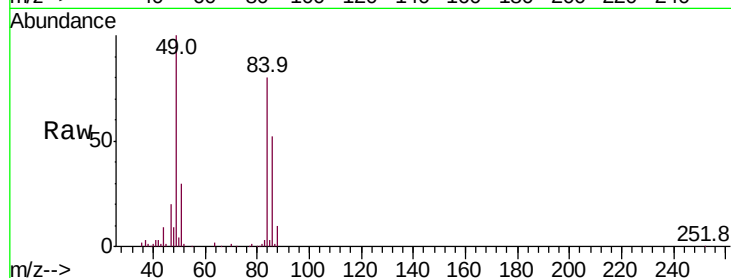
Ion Ratio Lower Upper

84 100

49 125.4 101.2 151.8

51 38.0 29.5 44.3

86 65.0 52.3 78.5



#25

2-Butanone

Concen: 3.805 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004691.D

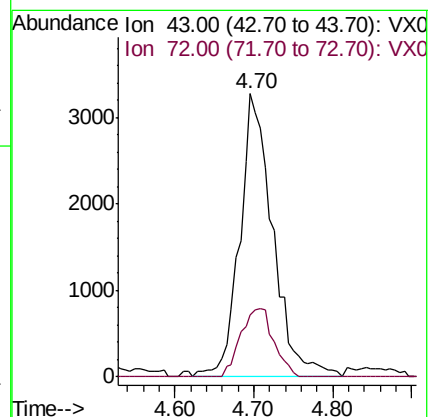
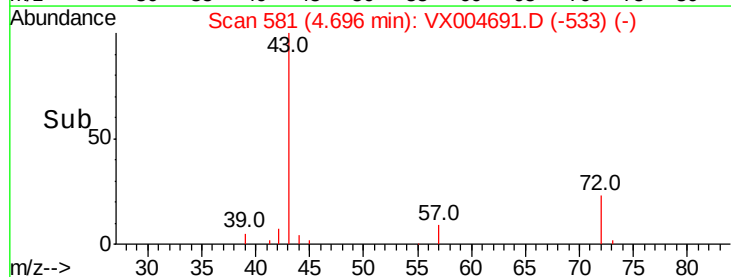
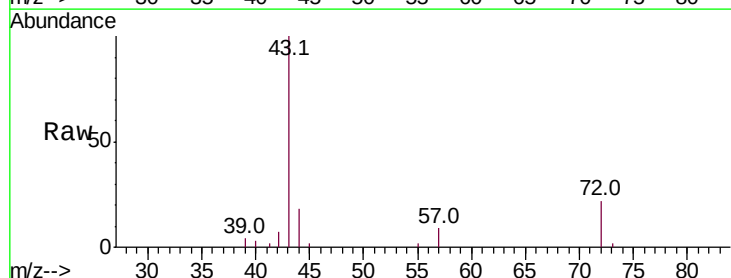
Acq: 19 Sep 2018 06:56

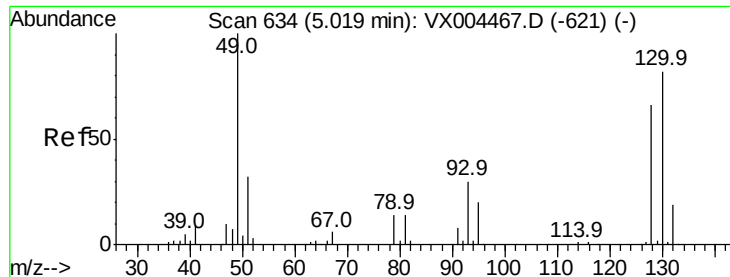
Tgt Ion: 43 Resp: 9555

Ion Ratio Lower Upper

43 100

72 22.1 22.0 33.0





#28

Bromochloromethane

Concen: 0.358 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.20 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

Instrument :

MSVOA_X

ClientSampleId :

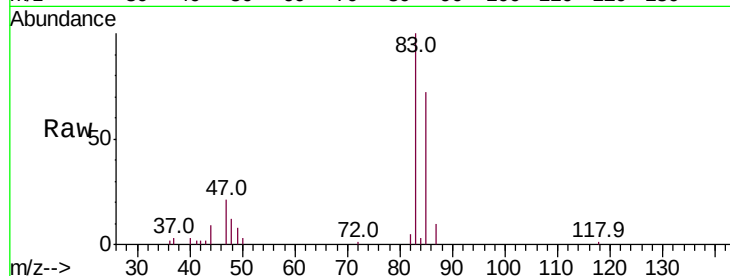
Tot Ion: 49 Resp: 897

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

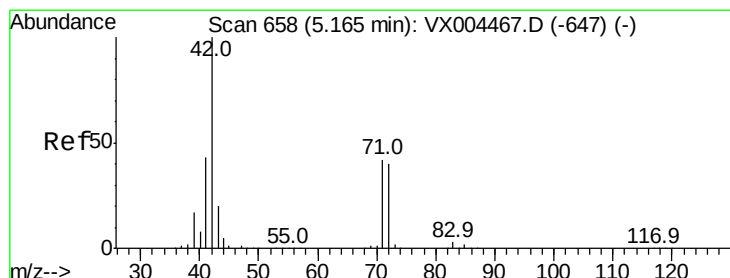
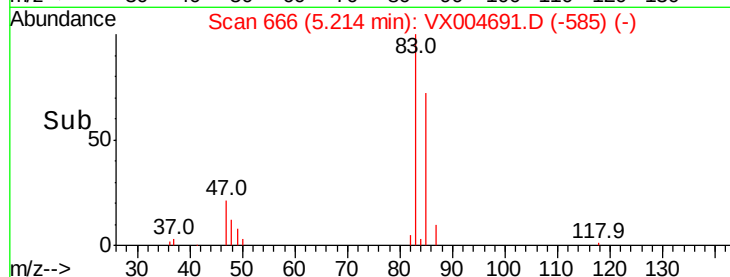
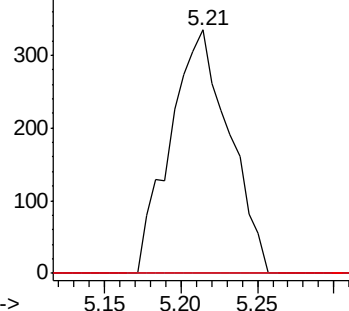
130 0.0 67.5 101.3#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 1.260 ug/l

RT: 5.17 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

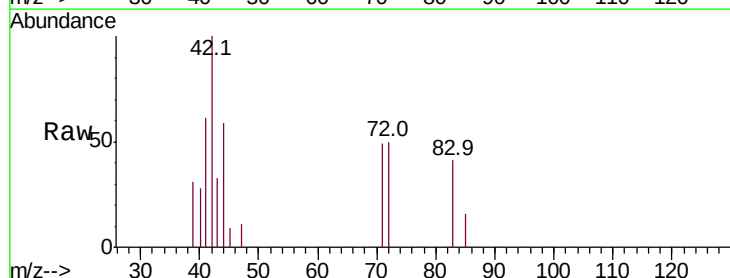
Tgt Ion: 42 Resp: 1908

Ion Ratio Lower Upper

42 100

72 47.3 37.4 56.0

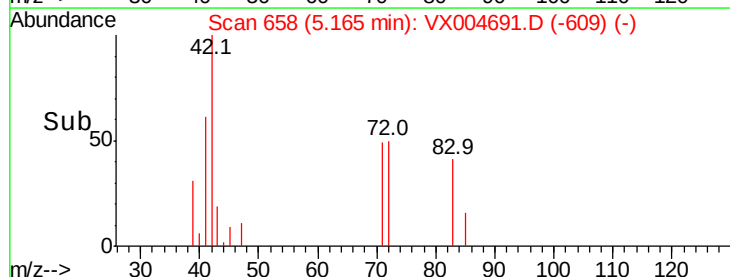
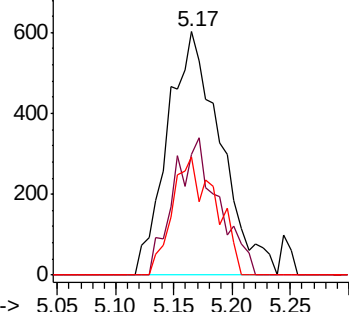
71 39.8 34.5 51.7

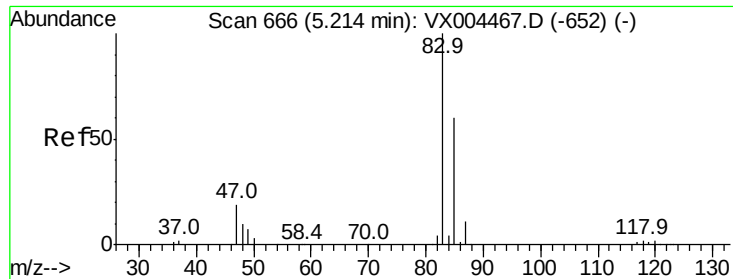


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

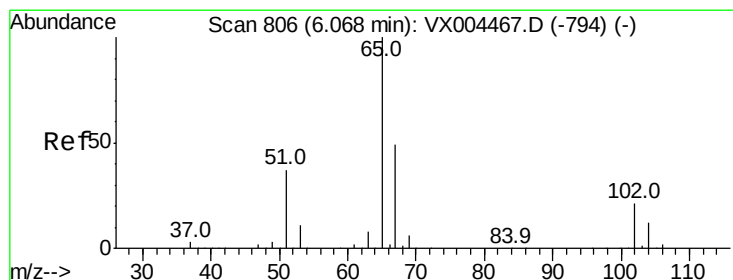
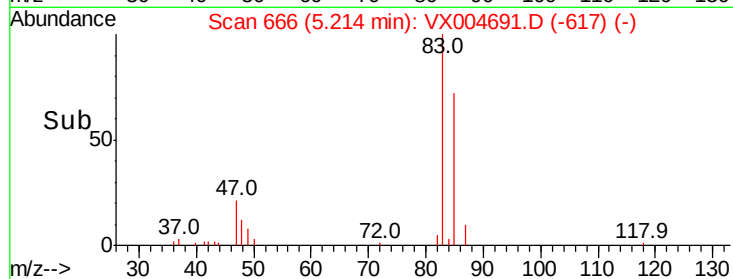
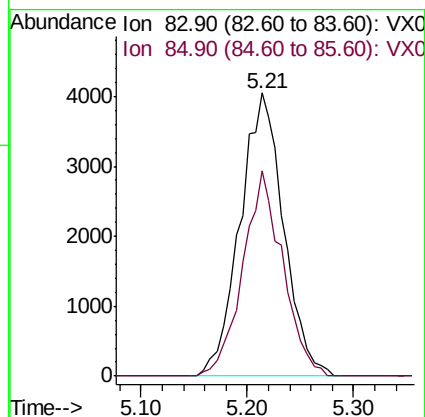
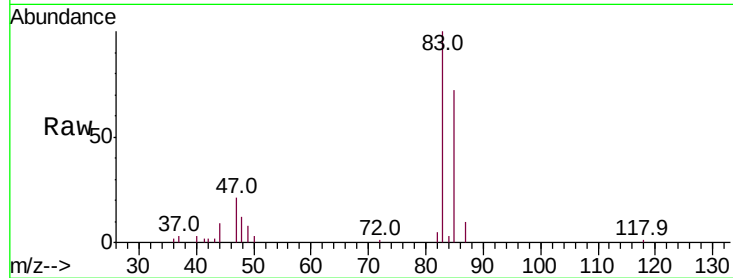




#30
Chloroform
Concen: 2.169 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

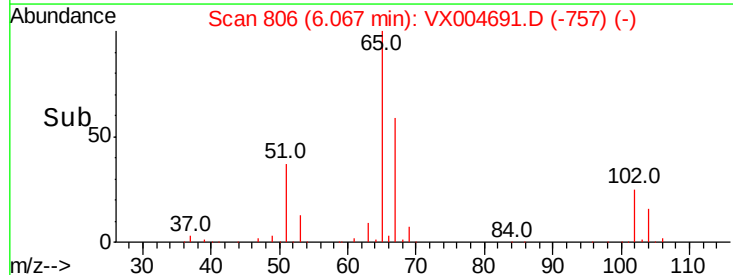
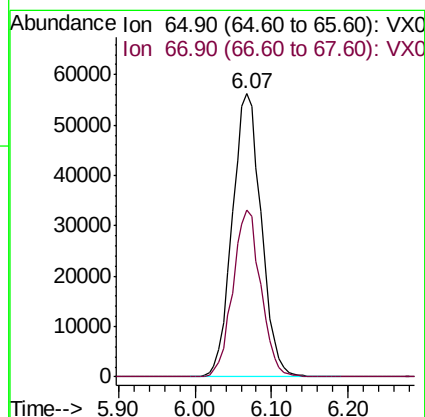
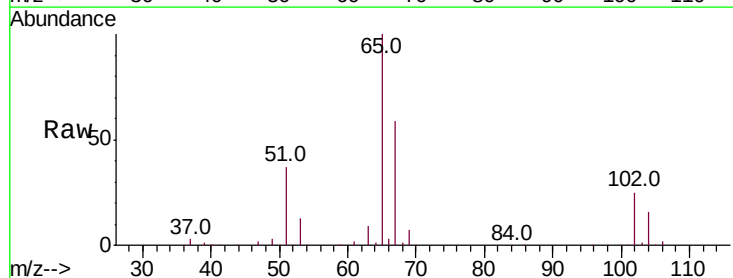
Instrument :
MSVOA_X
ClientSampleId :

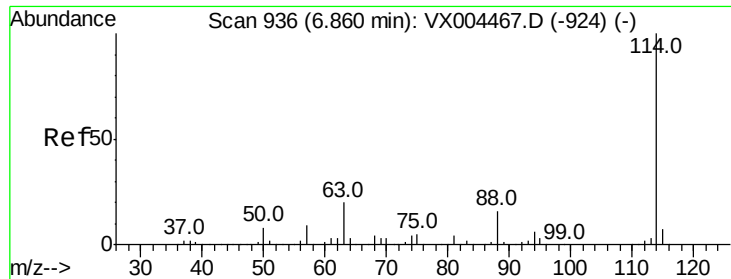
Tot Ion: 83 Resp: 11596
Ion Ratio Lower Upper
83 100
85 72.5 52.6 79.0



#33
1,2-Dichloroethane-d4
Concen: 45.539 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

Tgt Ion: 65 Resp: 147227
Ion Ratio Lower Upper
65 100
67 57.1 0.0 106.8

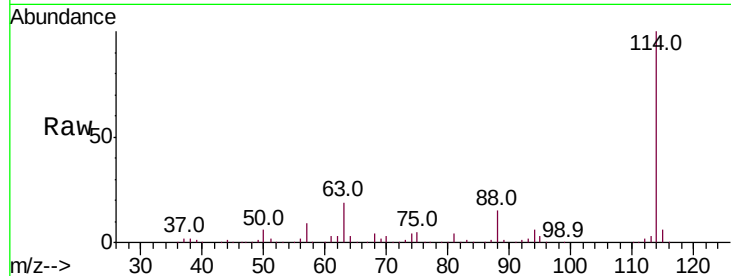




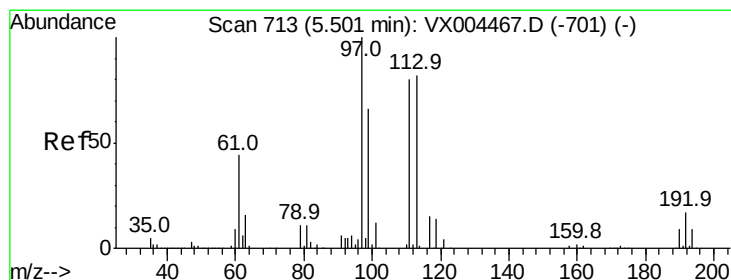
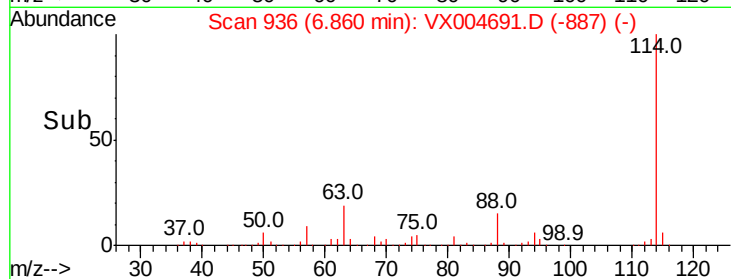
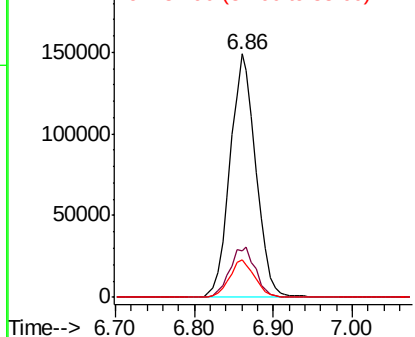
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004691.D
 Acq: 19 Sep 2018 06:56

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 337757
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.0
 88 15.3 0.0 30.4

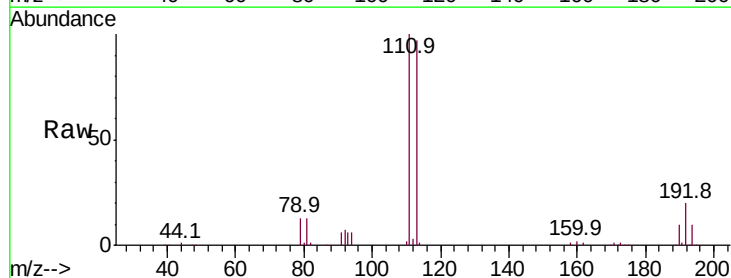


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

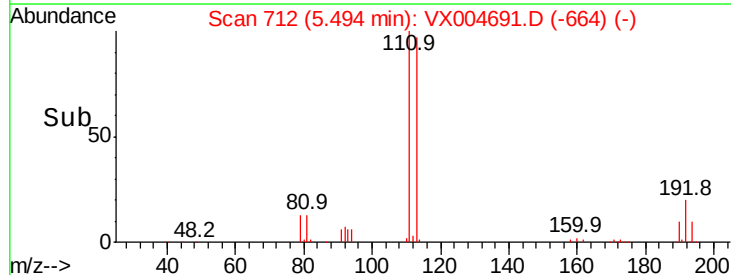
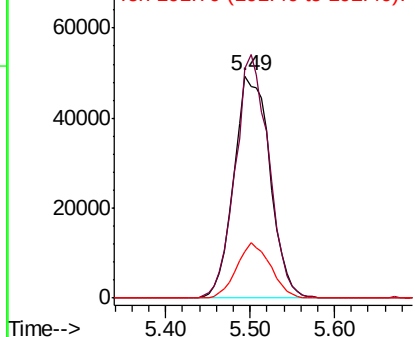


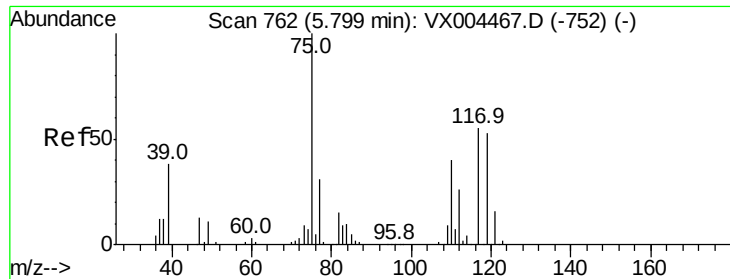
#35
 Dibromofluoromethane
 Concen: 46.374 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX004691.D
 Acq: 19 Sep 2018 06:56

Tgt Ion:113 Resp: 143331
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.4 123.6
 192 23.4 19.4 29.2



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

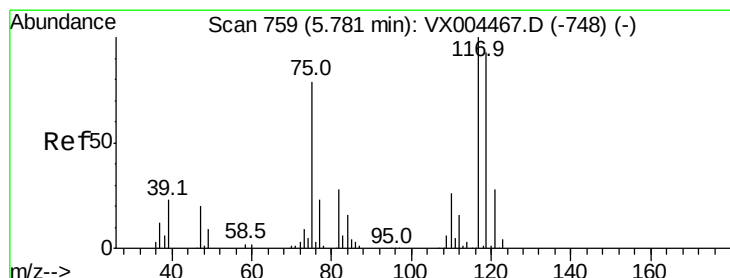
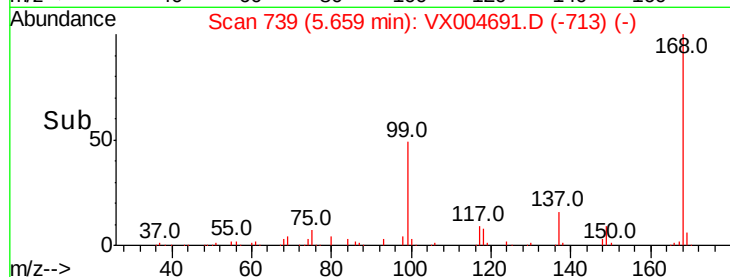
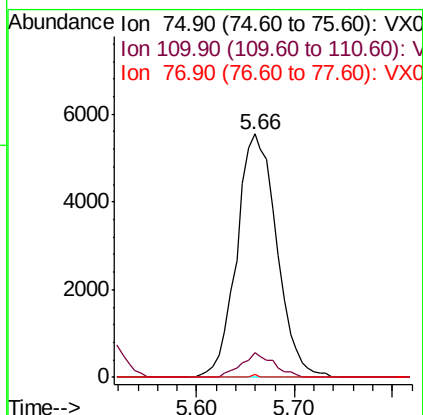
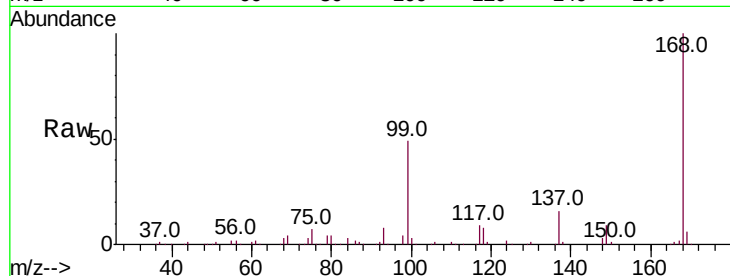




#36
 1,1-Dichloropropene
 Concen: 3.820 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004691.D
 Acq: 19 Sep 2018 06:56

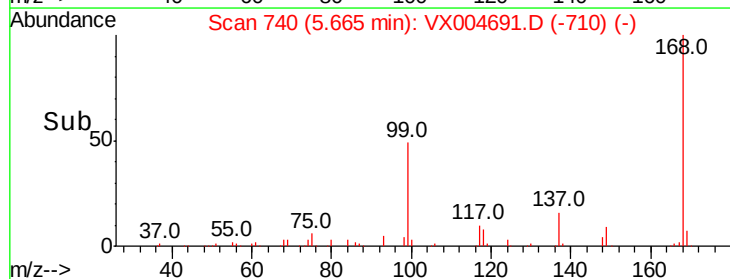
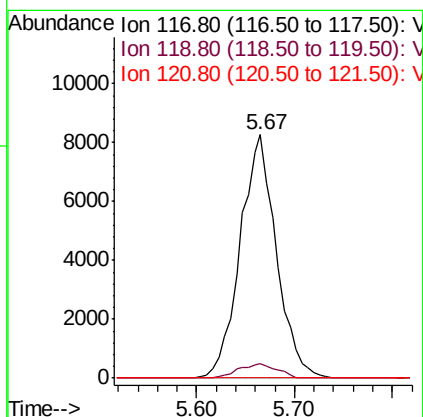
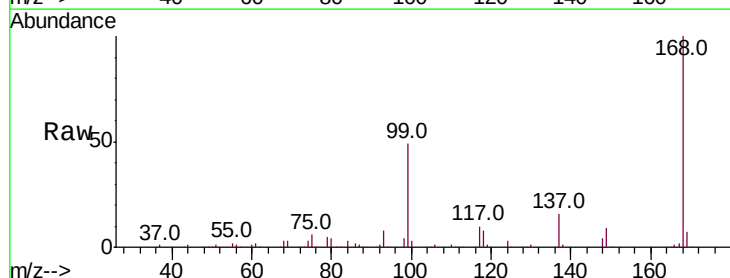
Instrument :
 MSVOA_X
 ClientSampleId :

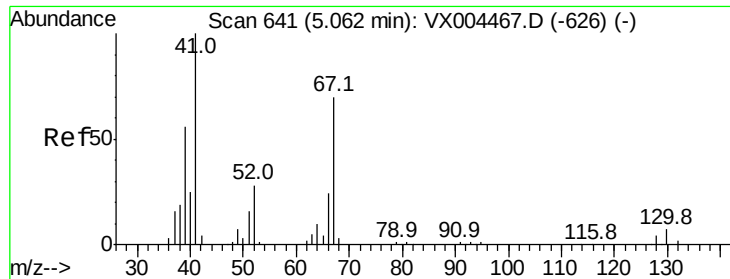
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.0	54.0#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.291 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX004691.D
 Acq: 19 Sep 2018 06:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	78.8	118.2#
121	0.0	24.9	37.3#

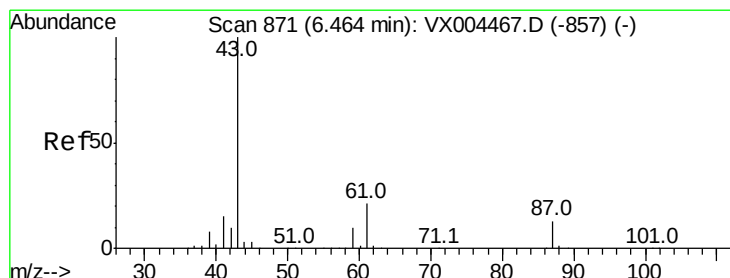
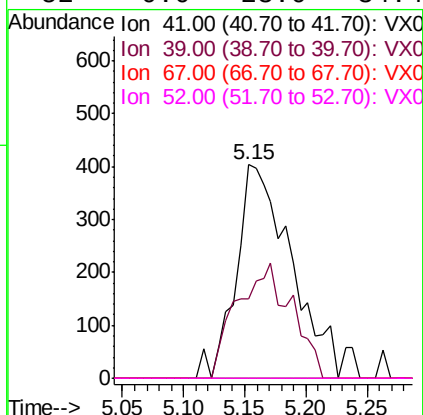
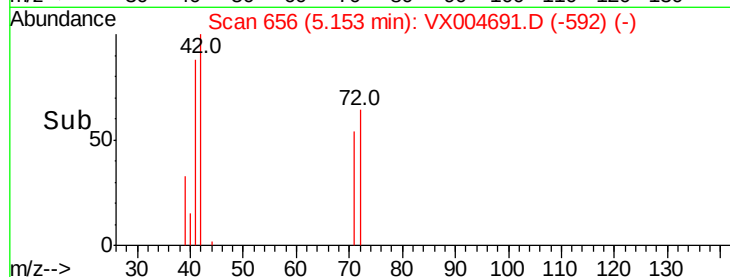
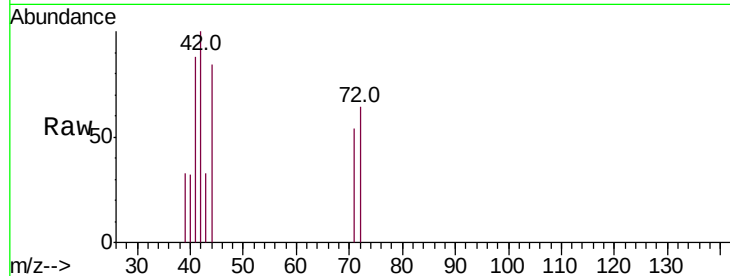




#41
Methacrylonitrile
Concen: 0.490 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.09 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

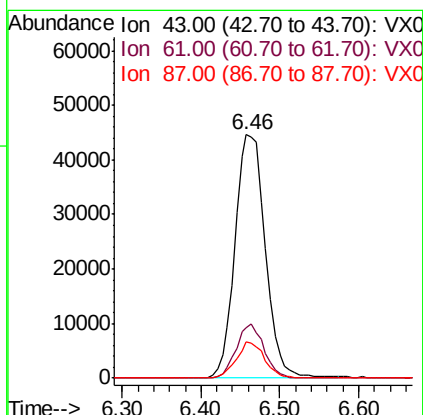
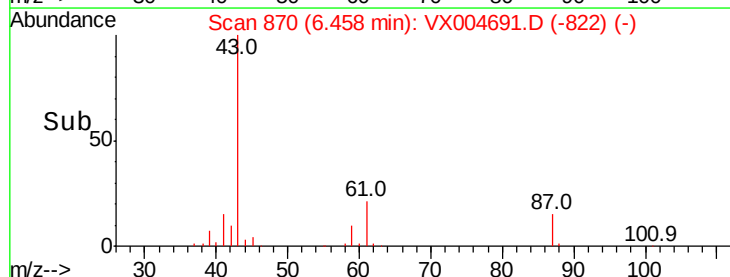
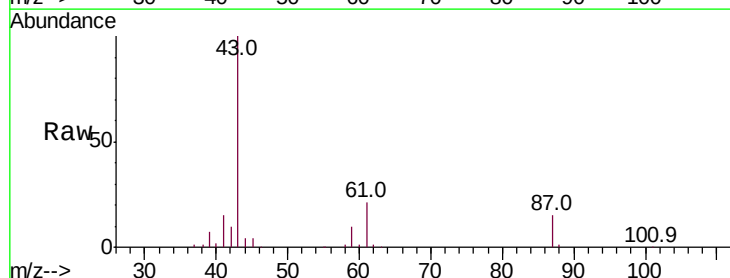
Instrument :
MSVOA_X
ClientSampled :

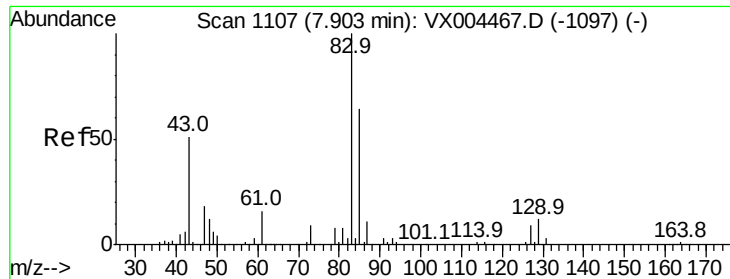
Tot Ion:	41	Resp:	1259
Ion	Ratio	Lower	Upper
41	100		
39	53.6	42.4	63.6
67	0.0	59.2	88.8#
52	0.0	23.0	34.4#



#43
Isopropyl Acetate
Concen: 19.289 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

Tgt Ion:	43	Resp:	119481
Ion	Ratio	Lower	Upper
43	100		
61	20.6	17.0	25.4
87	13.8	11.4	17.2





#47

Bromodichloromethane

Concen: 0.666 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

Instrument :

MSVOA_X

ClientSampleId :

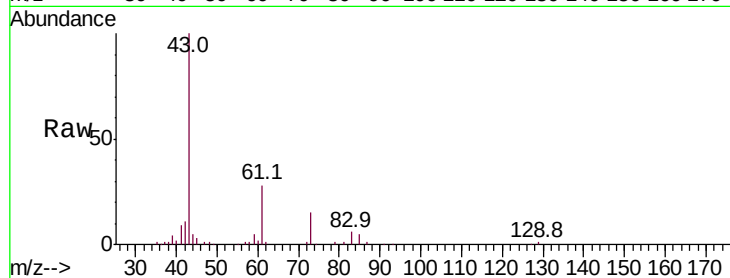
Tot Ion: 83 Resp: 2328

Ion Ratio Lower Upper

83 100

85 72.9 50.9 76.3

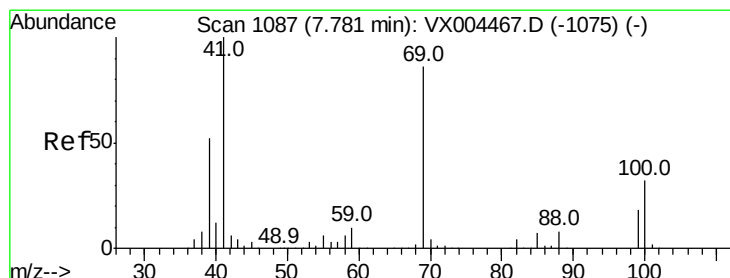
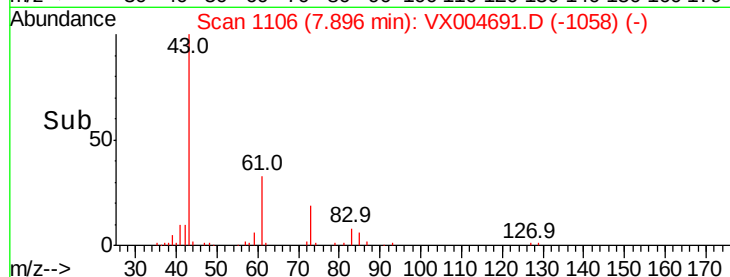
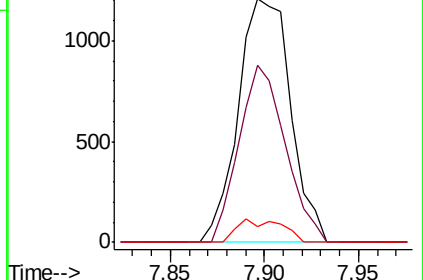
127 6.5 7.3 10.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): VX0



#48

Methyl methacrylate

Concen: 2.414 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.10 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

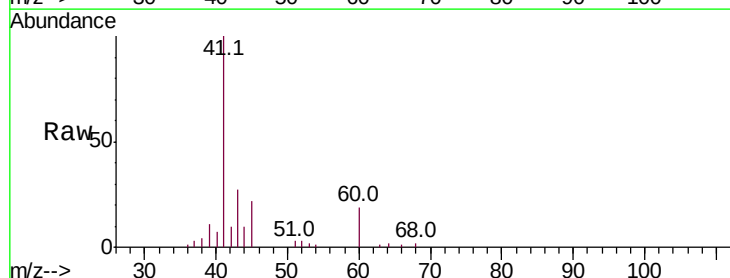
Tgt Ion: 41 Resp: 7401

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.4#

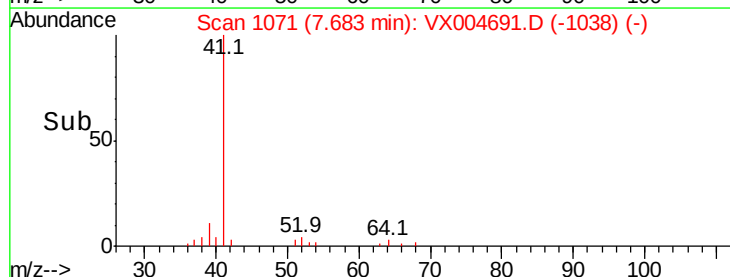
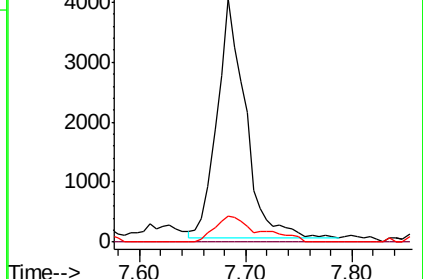
39 12.7 42.7 64.1#

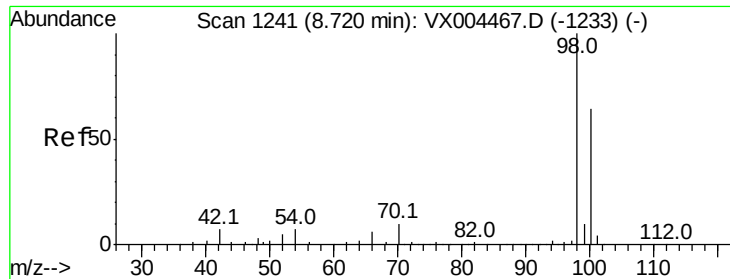


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

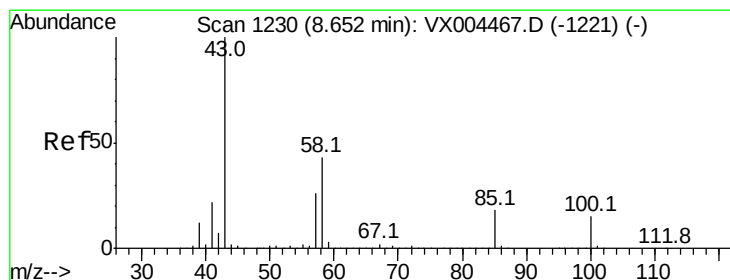
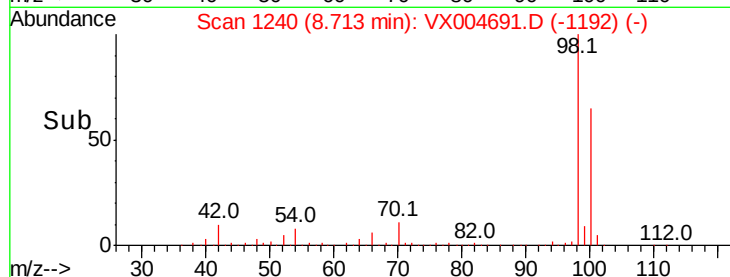
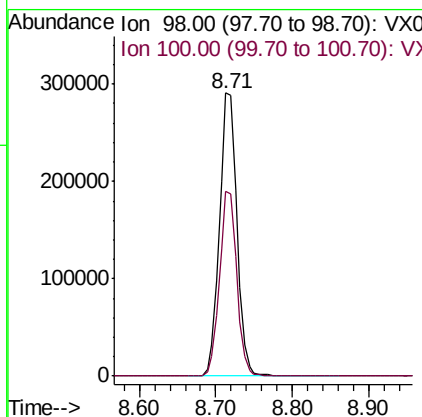
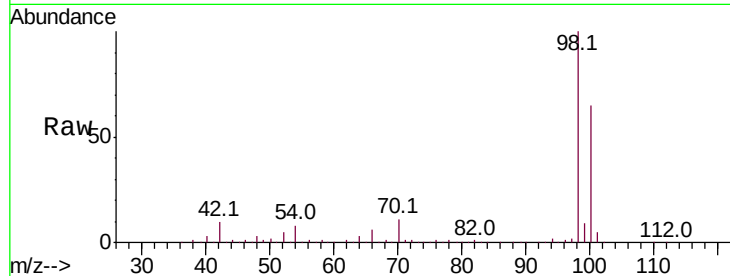




#50
Toluene-d8
Concen: 44.381 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

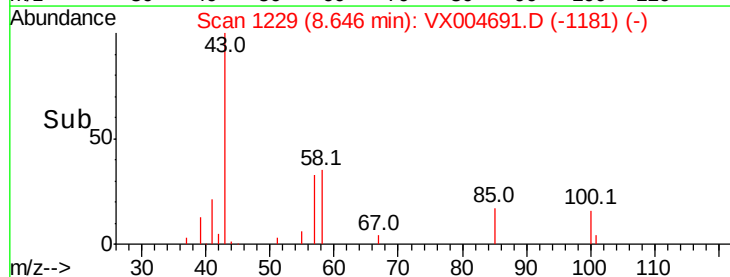
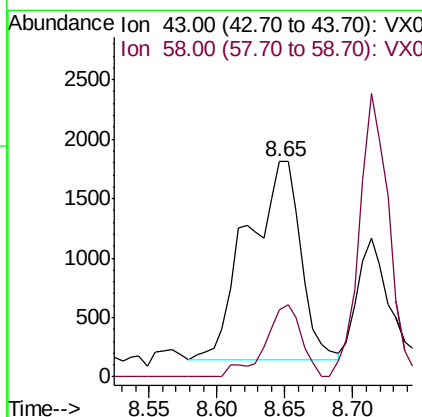
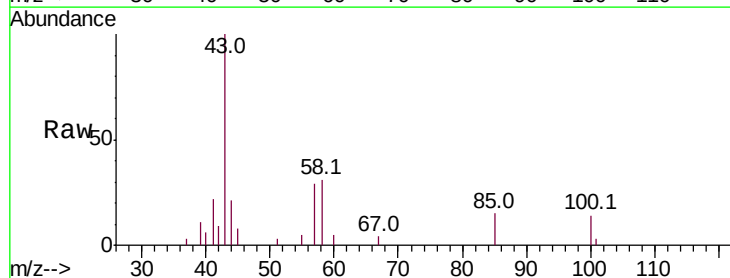
Instrument :
MSVOA_X
ClientSampleId :

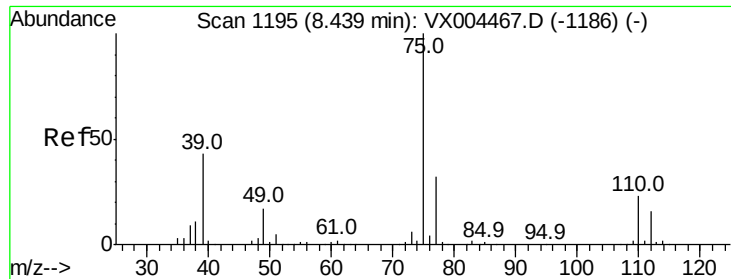
Tot Ion: 98 Resp: 460007
Ion Ratio Lower Upper
98 100
100 64.2 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.040 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

Tgt Ion: 43 Resp: 4547
Ion Ratio Lower Upper
43 100
58 25.1 33.1 49.7#



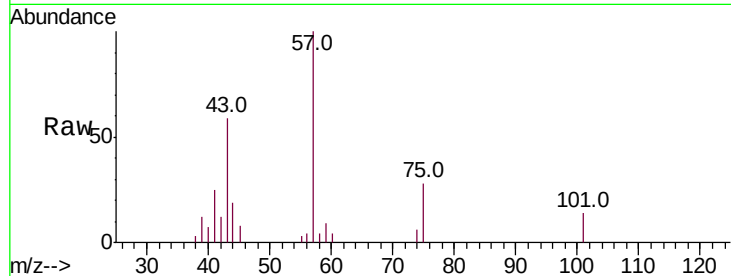


#54

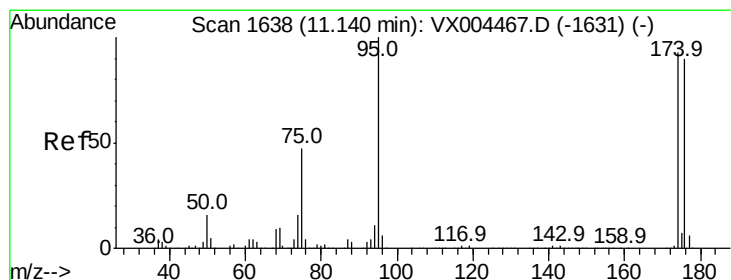
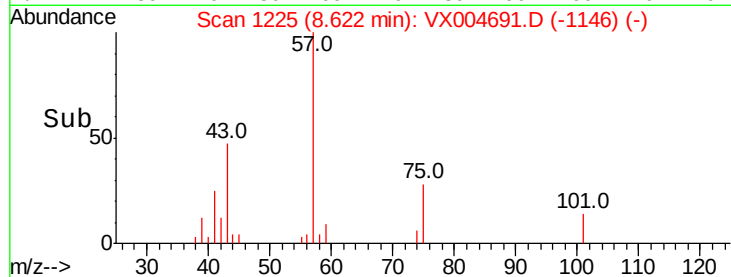
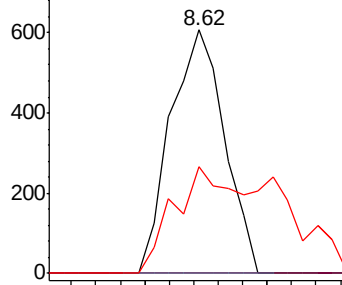
cis-1,3-Dichloropropene
Concen: 0.223 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. 0.18 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 928
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.2#
39 44.0 36.4 54.6



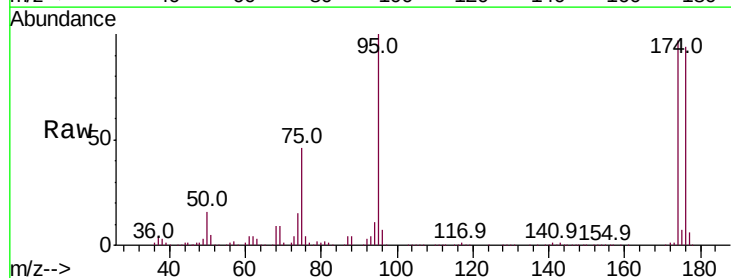
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



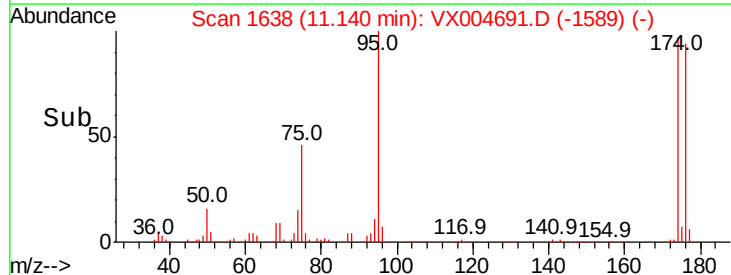
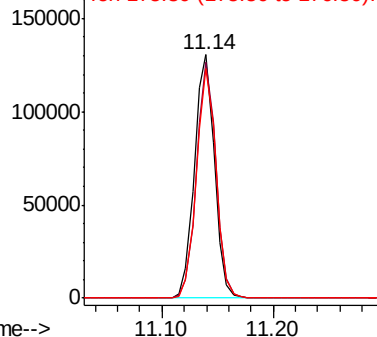
#62

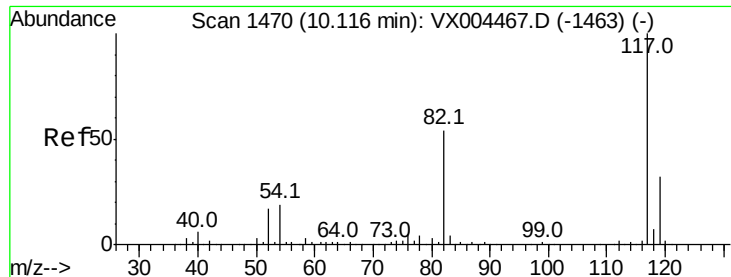
4-Bromofluorobenzene
Concen: 43.827 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

Tgt Ion: 95 Resp: 162153
Ion Ratio Lower Upper
95 100
174 94.5 0.0 185.2
176 92.3 0.0 178.6



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

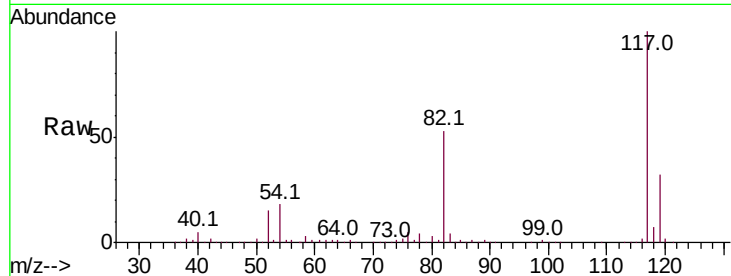




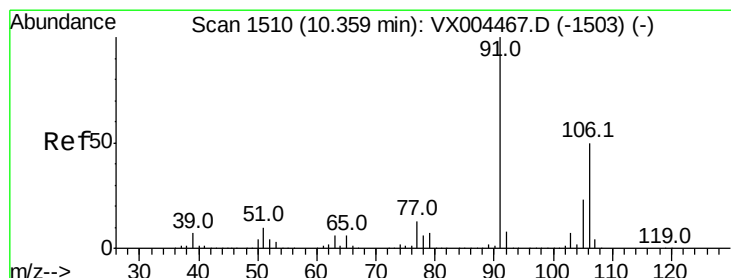
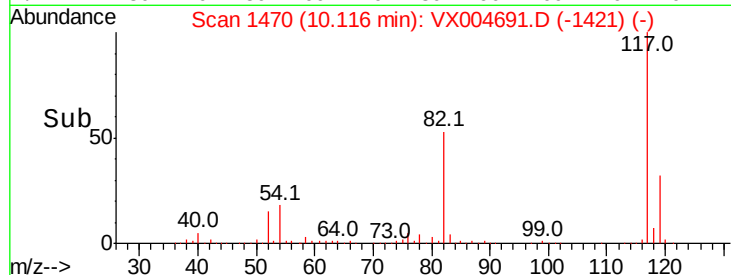
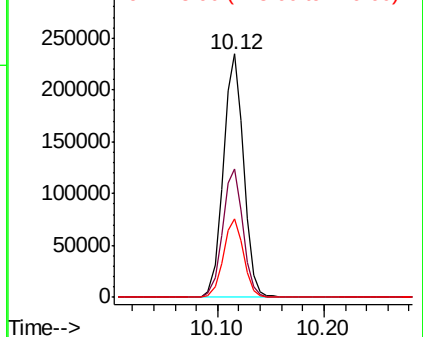
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 312398
Ion Ratio Lower Upper
117 100
82 52.5 47.8 71.6
119 32.3 29.3 43.9

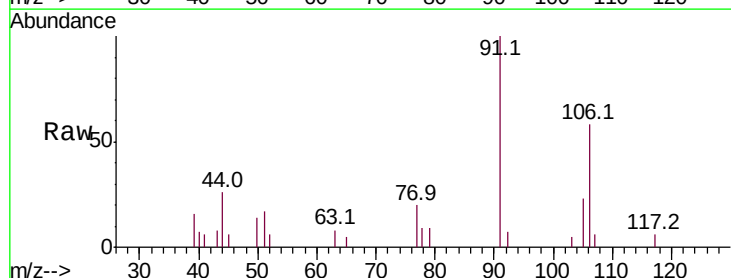


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

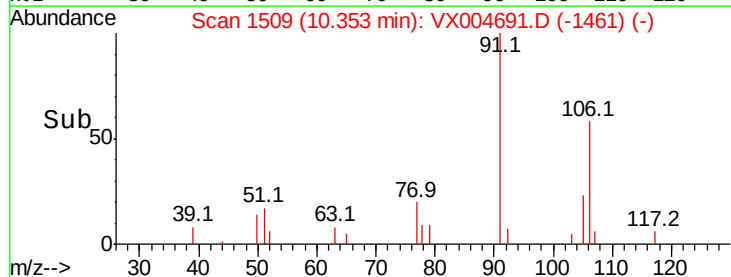
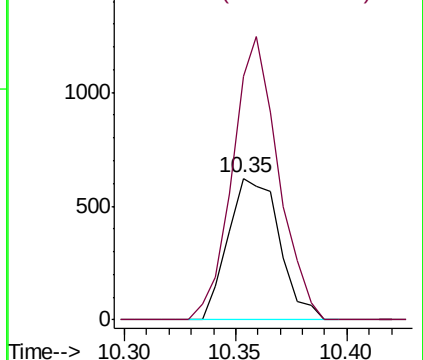


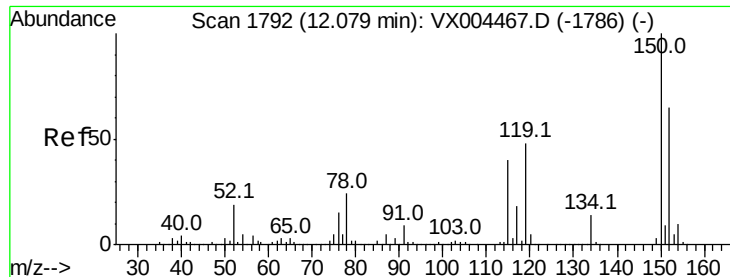
#68
m/p-Xylenes
Concen: 0.206 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX004691.D
Acq: 19 Sep 2018 06:56

Tgt Ion:106 Resp: 1002
Ion Ratio Lower Upper
106 100
91 177.8 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

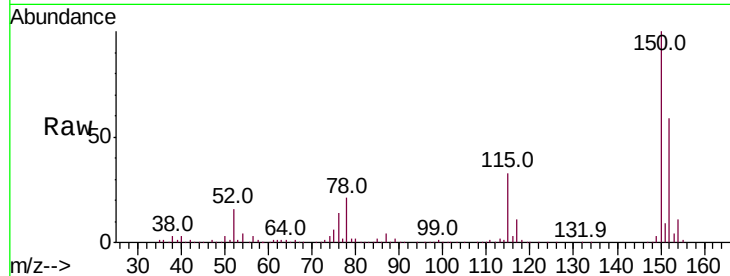




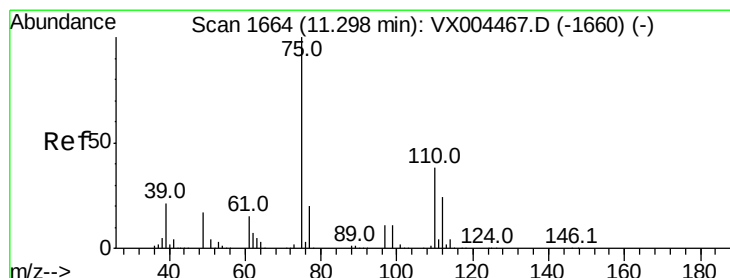
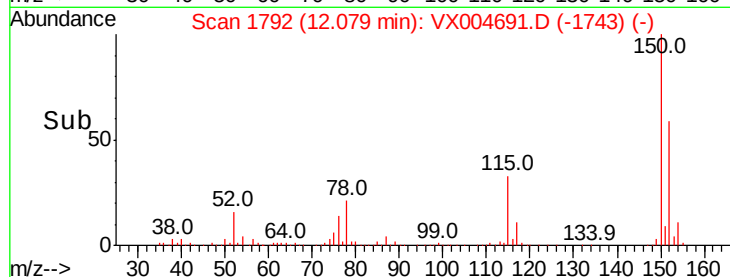
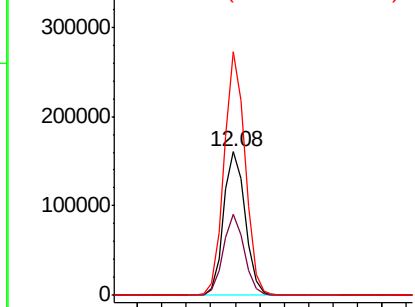
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX004691.D
 Acq: 19 Sep 2018 06:56

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:152 Resp: 196427
 Ion Ratio Lower Upper
 152 100
 115 54.7 39.0 117.0
 150 164.4 0.0 351.0

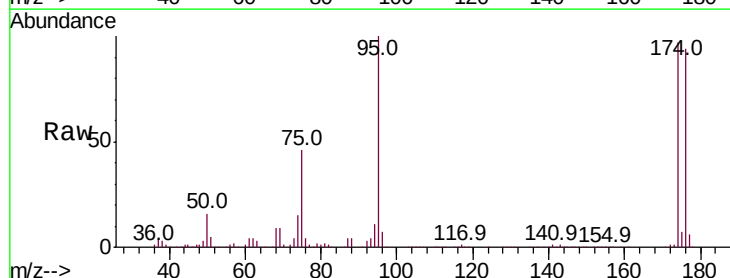


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

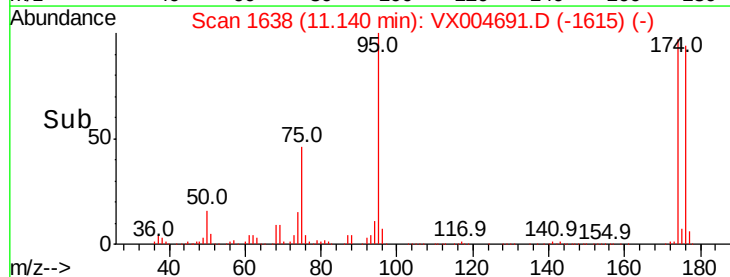
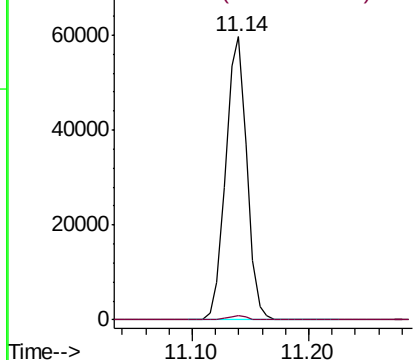


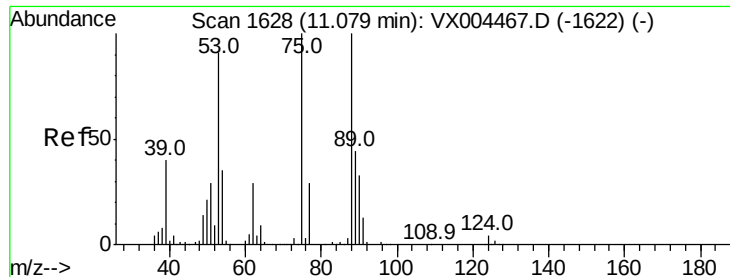
#76
 1,2,3-Trichloropropane
 Concen: 18.958 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004691.D
 Acq: 19 Sep 2018 06:56

Tgt Ion: 75 Resp: 74922
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.2 60.6#



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: 60.429 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

Instrument :

MSVOA_X

ClientSampleId :

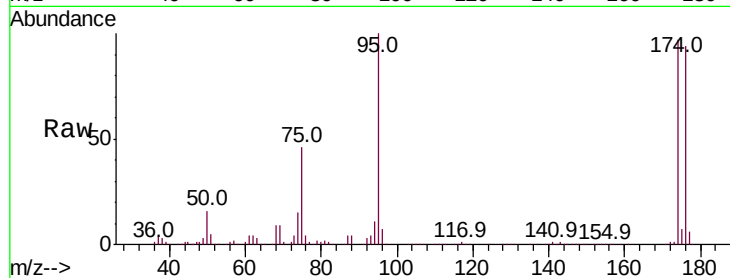
Tot Ion: 75 Resp: 74922

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

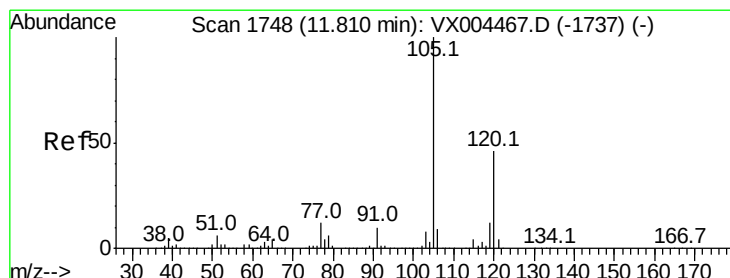
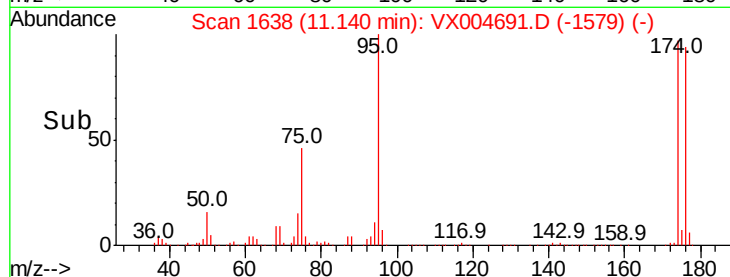
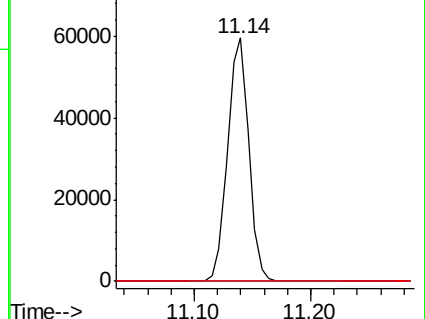
89 0.0 37.2 55.8#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.363 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VX004691.D

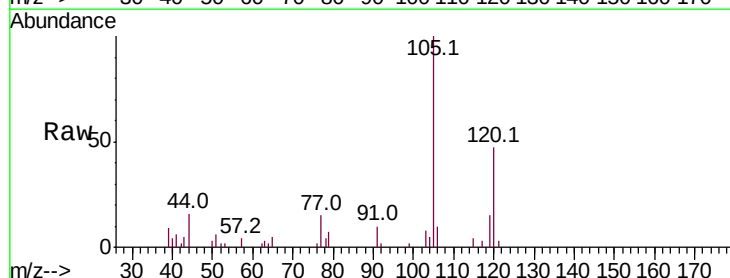
Acq: 19 Sep 2018 06:56

Tgt Ion: 105 Resp: 4032

Ion Ratio Lower Upper

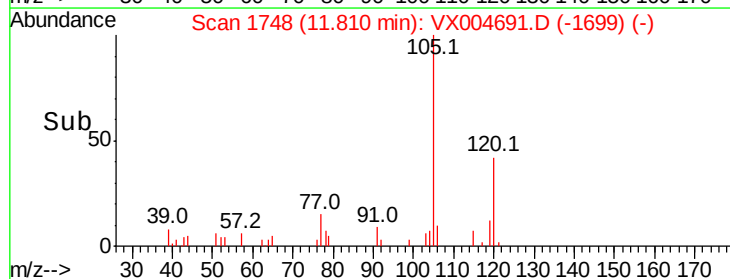
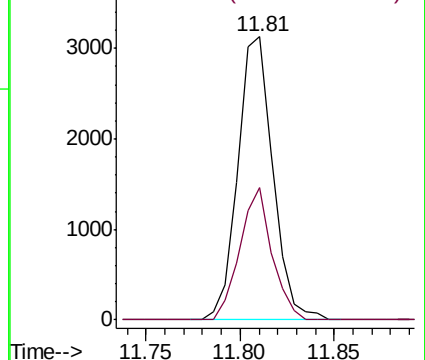
105 100

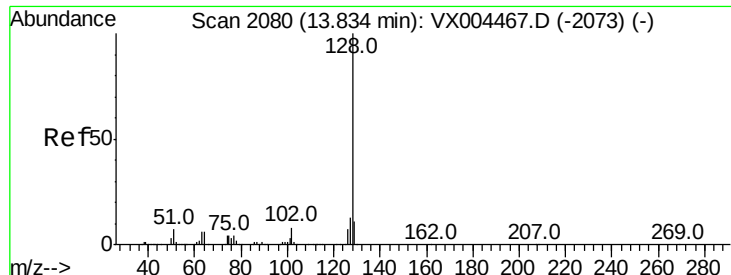
120 42.7 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 53.154 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004691.D

Acq: 19 Sep 2018 06:56

Instrument :

MSVOA_X

ClientSampleId :

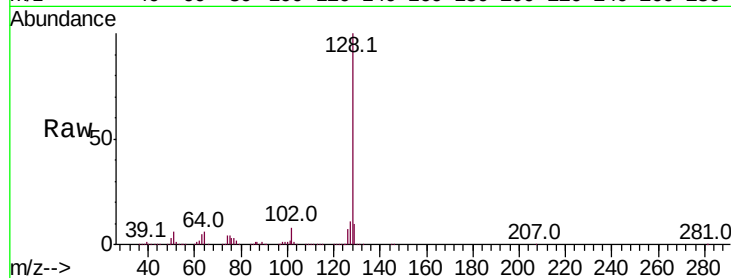
Tot Ion:128 Resp: 712803

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.2

129 10.9 8.6 12.8



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

