

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004710.D
 Acq On : 19 Sep 2018 17:13
 Operator : JC/MD
 Sample : J4973-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-0918-S-TCLP-GRID56-3

Quant Time: Sep 20 03:49:56 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	126690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	238935	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	222543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111722	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	97941	59.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.92%	
35) Dibromofluoromethane	5.50	113	102243	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
50) Toluene-d8	8.71	98	343949	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
62) 4-Bromofluorobenzene	11.14	95	110634	42.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	481	0.29	ug/l	# 59
5) Bromomethane	1.65	94	541	Below Cal		# 79
10) Methyl Iodide	2.51	142	352	4.45	ug/l	# 55
11) Tert butyl alcohol	3.06	59	1112	2.85	ug/l	# 82
13) Acrolein	2.29	56	108	0.70	ug/l	# 21
14) Allyl chloride	2.85	41	40422	14.85	ug/l	# 28
16) Acetone	2.44	43	28497	35.74	ug/l	99
18) Methyl Acetate	2.78	43	5342	2.39	ug/l	97
20) Methylene Chloride	2.85	84	969202	592.58	ug/l	94
25) 2-Butanone	4.71	43	8462	6.67	ug/l	99
29) Tetrahydrofuran	5.17	42	1641	2.14	ug/l	91
30) Chloroform	5.21	83	7692	2.85	ug/l	93
31) Cyclohexane	5.67	56	1925	0.81	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	8021	2.77	ug/l	# 50
37) Ethyl Acetate	4.71	43	8462	2.56	ug/l	# 67
38) Carbon Tetrachloride	5.67	117	11124	3.93	ug/l	# 16
42) 1,2-Dichloroethane	6.46	62	617	0.22	ug/l	# 72
43) Isopropyl Acetate	6.47	43	151476	34.57	ug/l	99
47) Bromodichloromethane	7.90	83	1740	0.70	ug/l	# 90
48) Methyl methacrylate	7.69	41	5833	2.69	ug/l	# 20
51) 4-Methyl-2-Pentanone	8.62	43	2094	0.68	ug/l	# 34
52) Toluene	8.79	92	1142	0.23	ug/l	83
54) cis-1,3-Dichloropropene	8.62	75	1101	0.37	ug/l	# 73
57) 1,3-Dichloropropane	9.55	76	724	0.20	ug/l	# 43
59) 2-Hexanone	9.51	43	1014	0.43	ug/l	91
60) Dibromochloromethane	9.59	129	428	0.21	ug/l	91
68) m/p-Xylenes	10.36	106	1180	0.34	ug/l	83
76) 1,2,3-Trichloropropane	11.14	75	50828	22.61	ug/l	# 37
78) n-propylbenzene	11.36	91	1696	0.20	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	1771	0.29	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.14	75	50828	72.08	ug/l	# 10
84) 1,2,4-Trimethylbenzene	11.81	105	5661	0.90	ug/l	94
89) n-Butylbenzene	12.39	91	1350	0.22	ug/l	# 54
90) Hexachloroethane	12.59	117	296	0.28	ug/l	# 3

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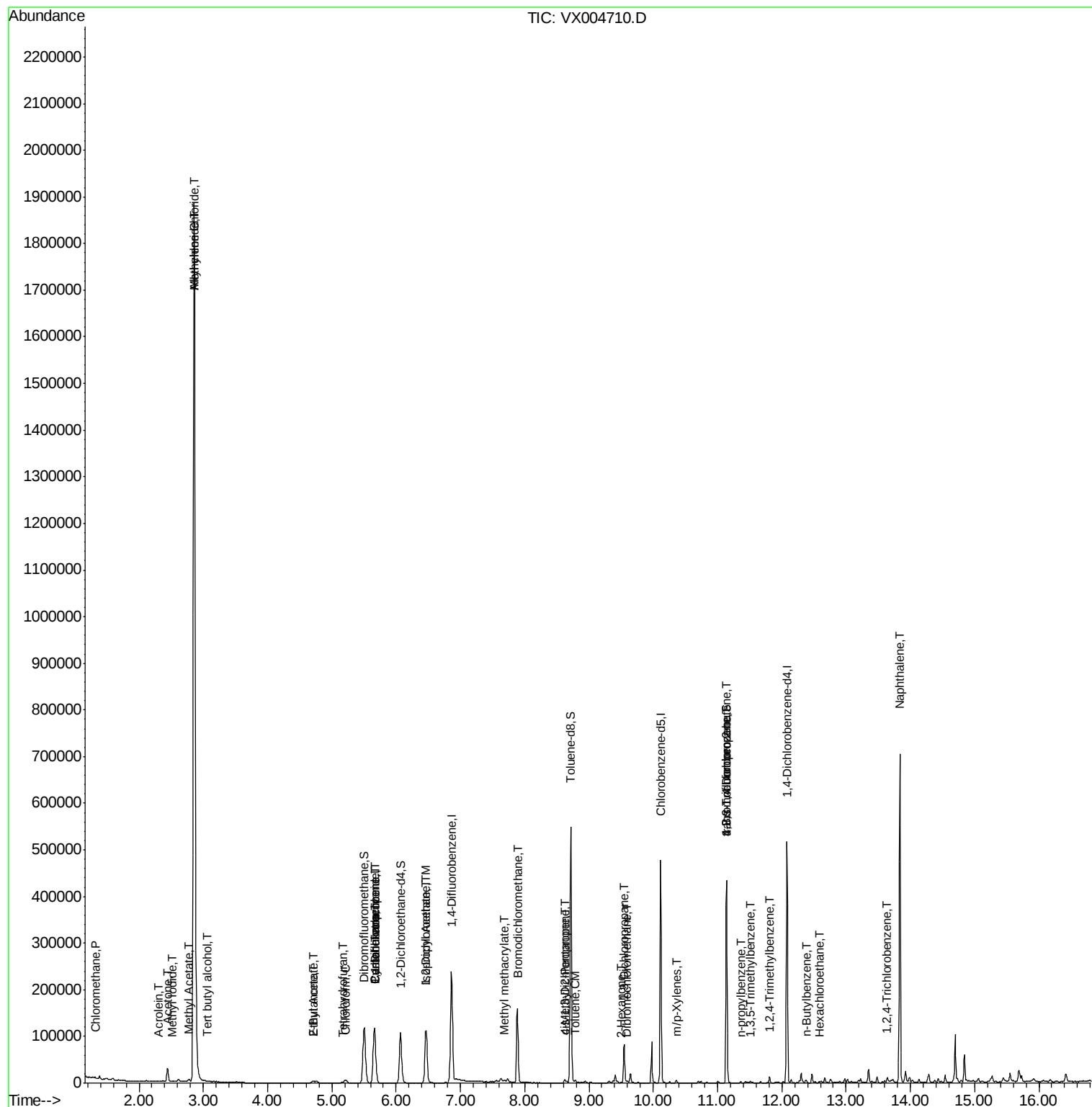
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	821	0.30	ug/l #	77
95) Naphthalene	13.83	128	426366	55.90	ug/l	99

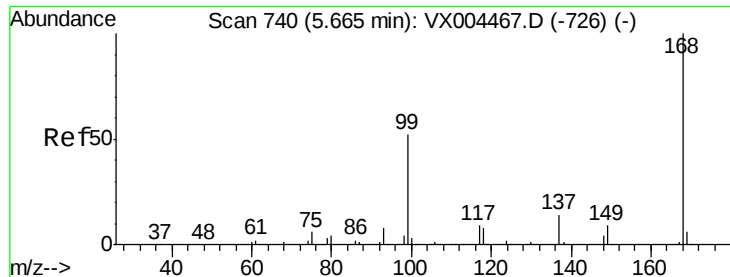
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

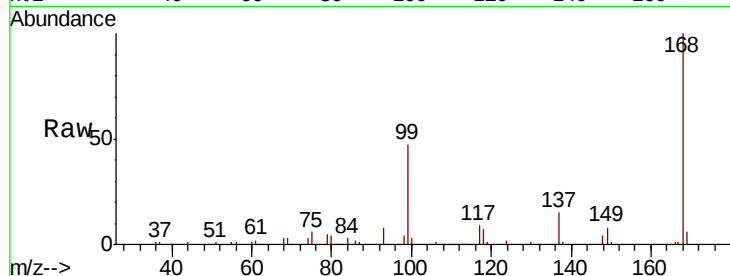
CB-0918-S-TCLP-GRID56-3

Tot Ion:168 Resp: 126690

Ion Ratio Lower Upper

168 100

99 47.4 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

40000

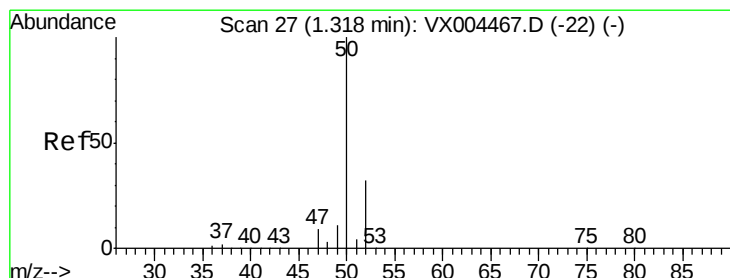
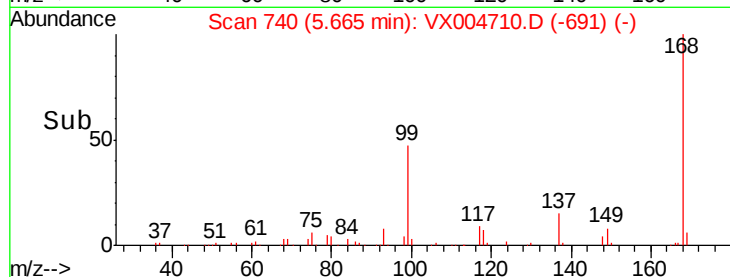
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.29 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004710.D

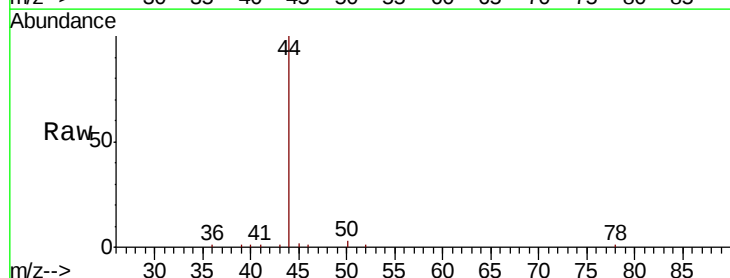
Acq: 19 Sep 2018 17:13

Tgt Ion: 50 Resp: 481

Ion Ratio Lower Upper

50 100

52 56.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

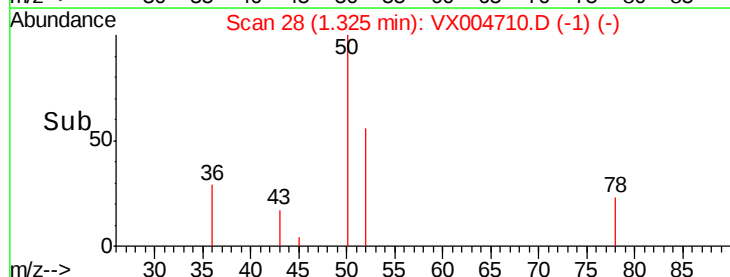
300

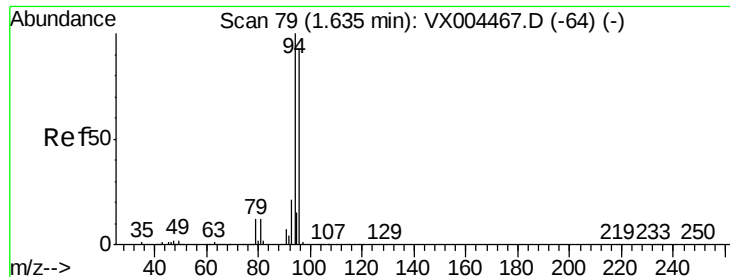
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

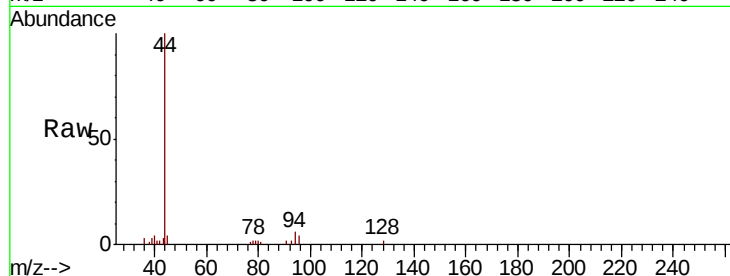
CB-0918-S-TCLP-GRID56-3

Tot Ion: 94 Resp: 541

Ion Ratio Lower Upper

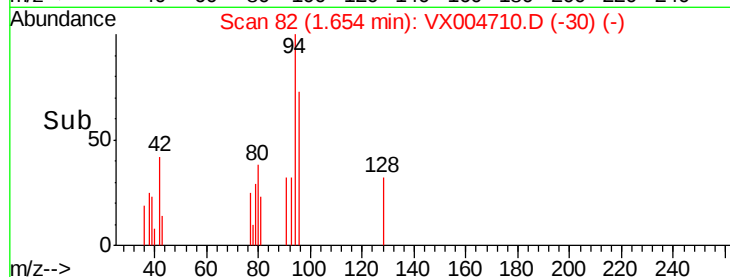
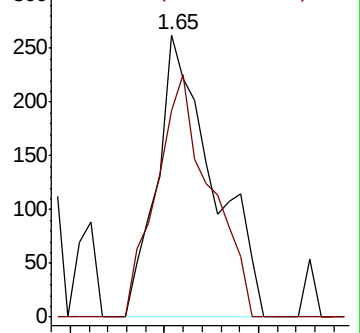
94 100

96 73.0 74.5 111.7#

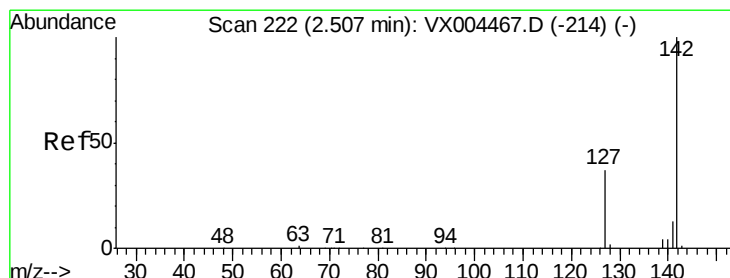


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.45 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

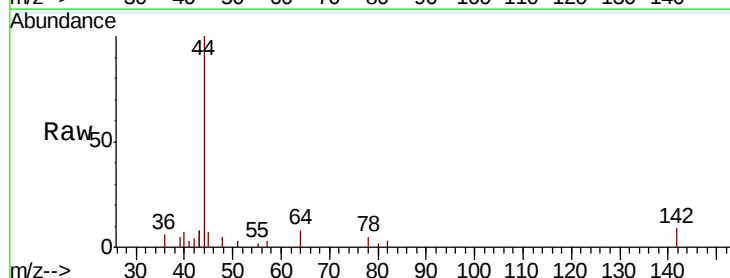
Tgt Ion: 142 Resp: 352

Ion Ratio Lower Upper

142 100

127 11.4 33.8 50.6#

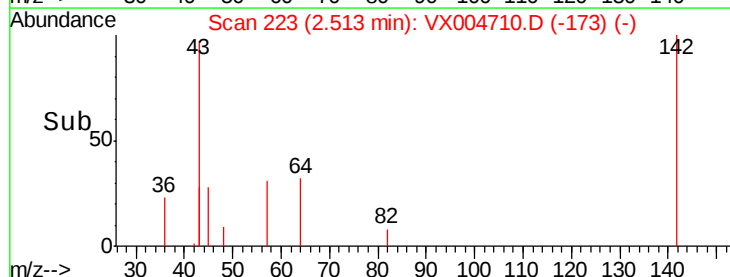
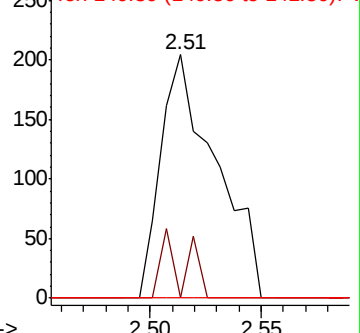
141 0.0 11.4 17.0#



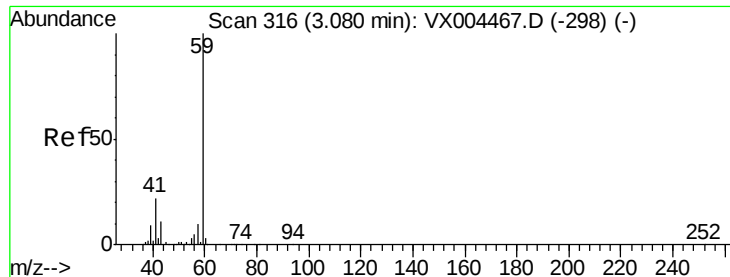
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

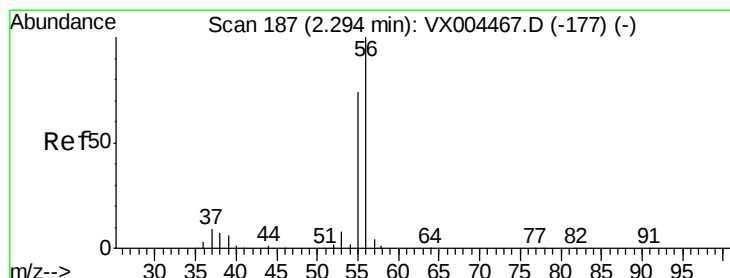
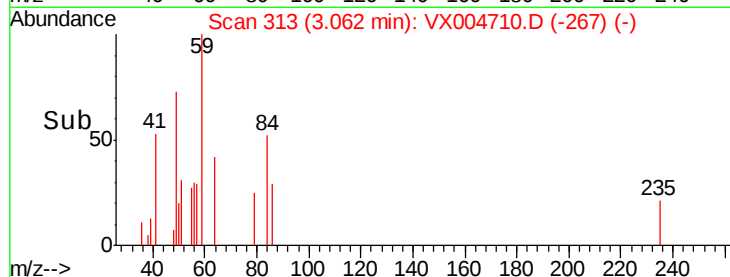
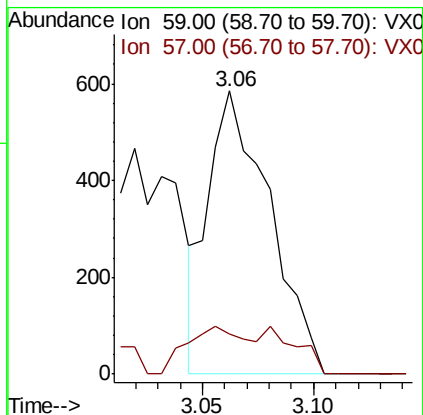
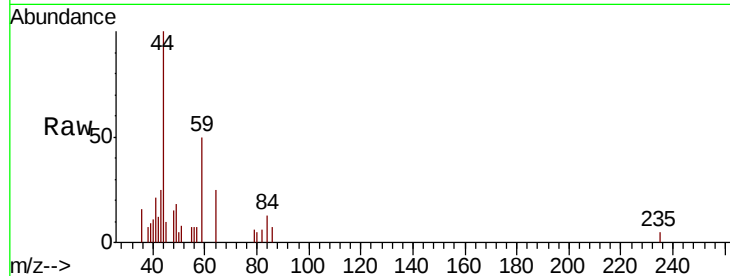


#11

Tert butyl alcohol
 Concen: 2.85 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX004710.D
 Acq: 19 Sep 2018 17:13

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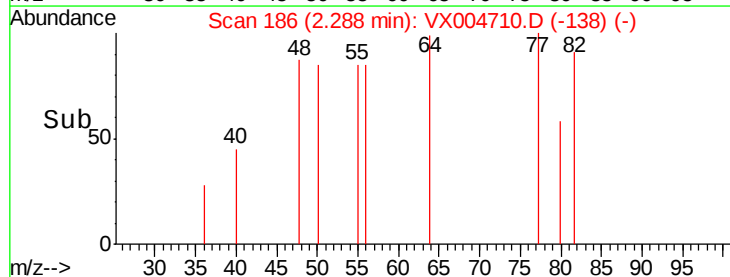
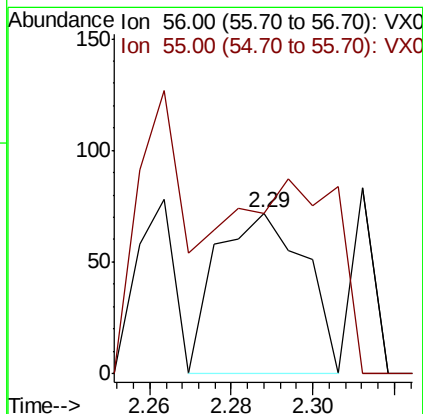
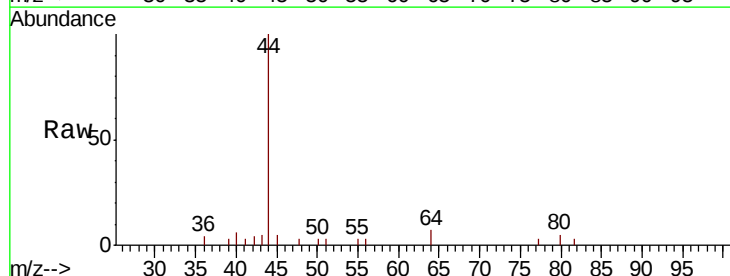
Tot Ion: 59 Resp: 1112
 Ion Ratio Lower Upper
 59 100
 57 17.0 8.2 12.4#

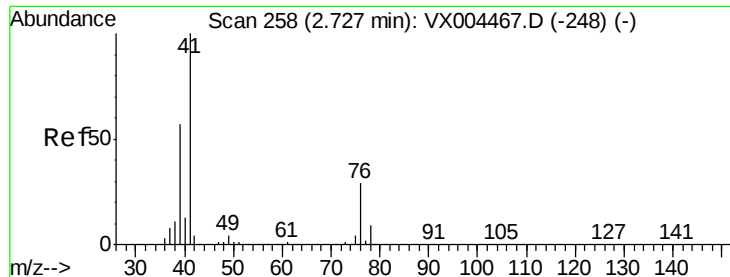


#13

Acrolein
 Concen: 0.70 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX004710.D
 Acq: 19 Sep 2018 17:13

Tgt Ion: 56 Resp: 108
 Ion Ratio Lower Upper
 56 100
 55 132.4 54.7 82.1#

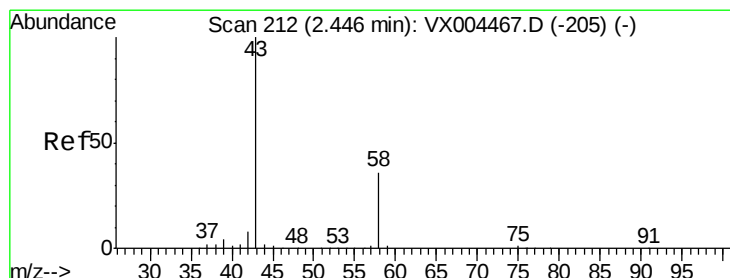
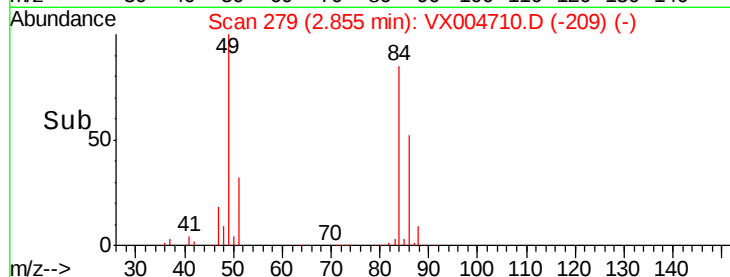
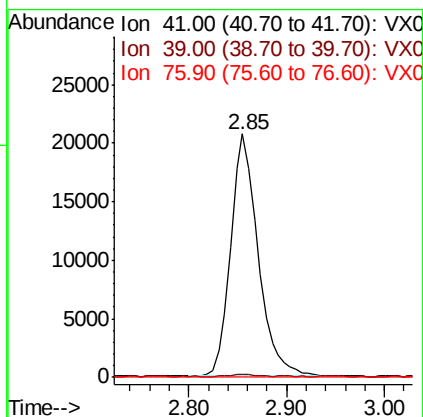
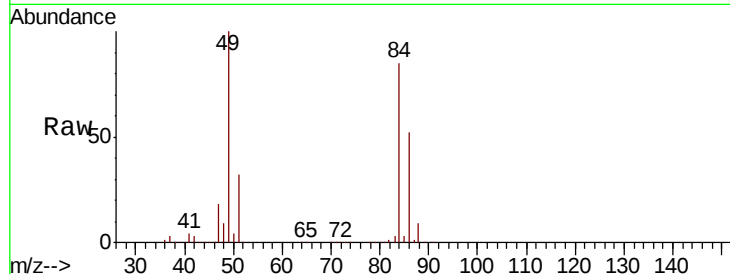




#14
Allvl chloride
Concen: 14.85 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.13 min
Lab File: VX004710.D
Acq: 19 Sep 2018 17:13

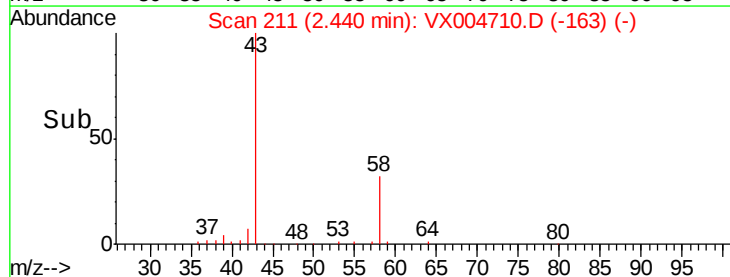
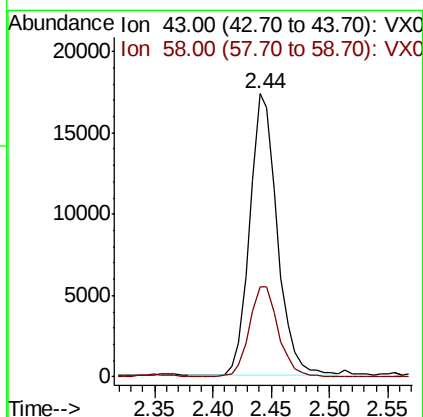
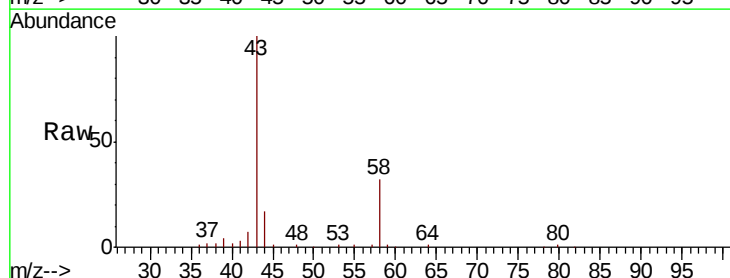
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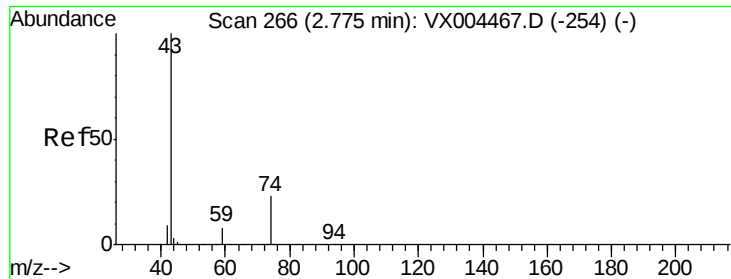
Tot Ion: 41 Resp: 40422
Ion Ratio Lower Upper
41 100
39 0.8 48.9 73.3#
76 0.0 26.7 40.1#



#16
Acetone
Concen: 35.74 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX004710.D
Acq: 19 Sep 2018 17:13

Tgt Ion: 43 Resp: 28497
Ion Ratio Lower Upper
43 100
58 32.0 26.2 39.4

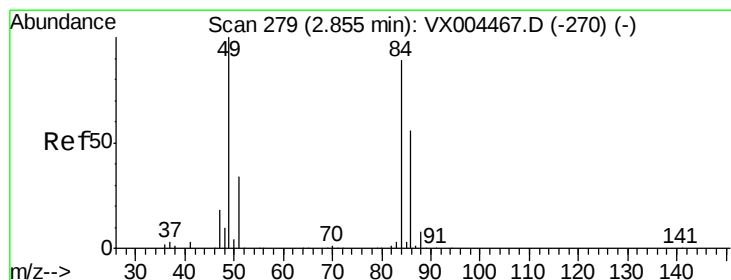
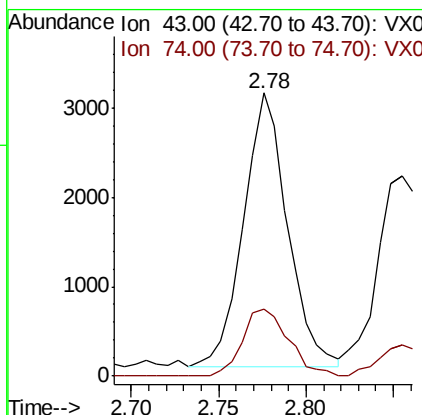
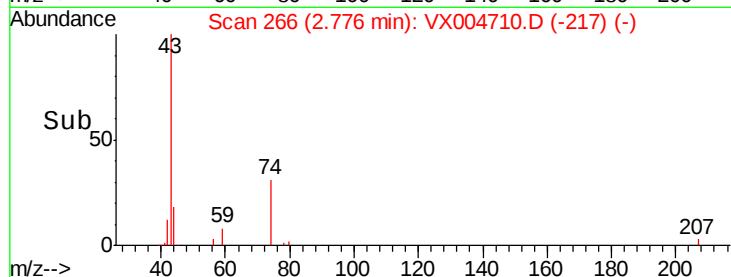
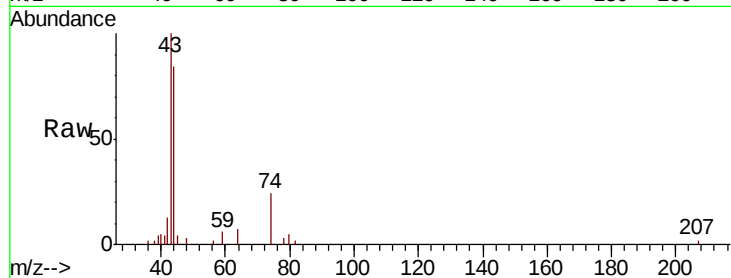




#18
Methvl Acetate
Concen: 2.39 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004710.D
Acq: 19 Sep 2018 17:13

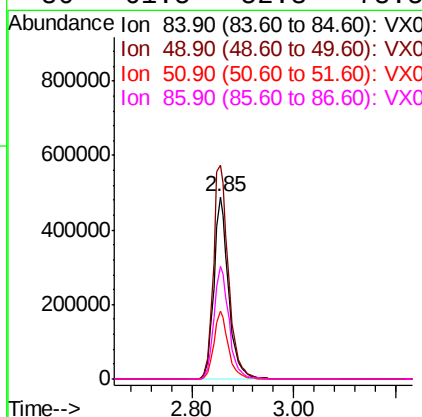
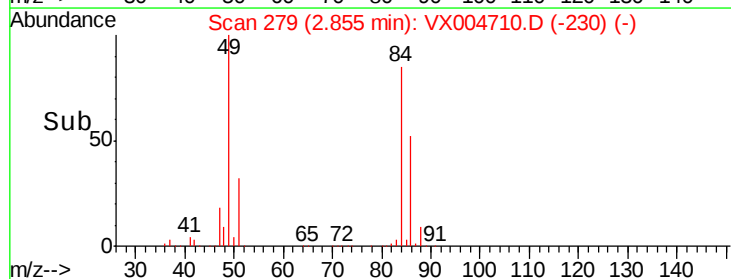
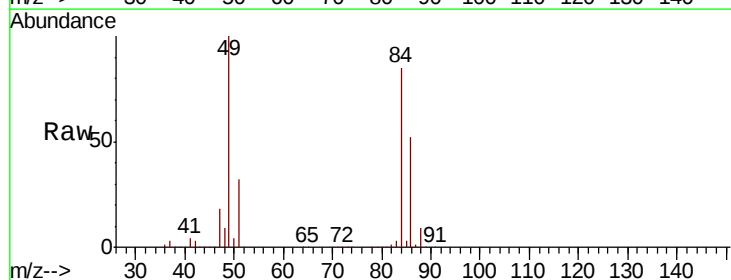
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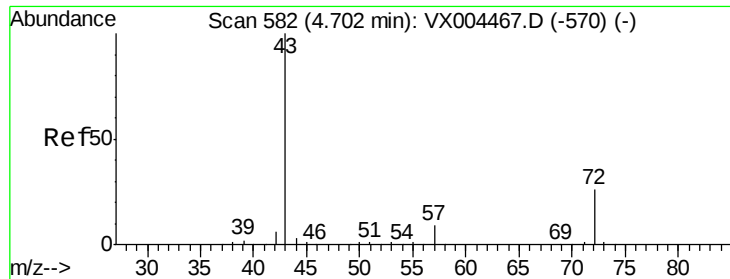
Tot Ion: 43 Resp: 5342
Ion Ratio Lower Upper
43 100
74 25.6 19.4 29.2



#20
Methylene Chloride
Concen: 592.58 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004710.D
Acq: 19 Sep 2018 17:13

Tgt Ion: 84 Resp: 969202
Ion Ratio Lower Upper
84 100
49 117.2 101.2 151.8
51 37.0 29.5 44.3
86 61.5 52.3 78.5





#25

2-Butanone

Concen: 6.67 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

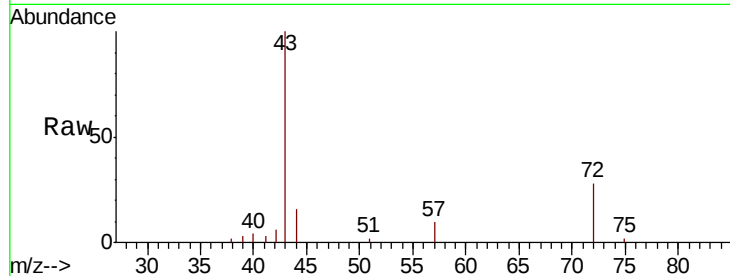
CB-0918-S-TCLP-GRID56-3

Tot Ion: 43 Resp: 8462

Ion Ratio Lower Upper

43 100

72 28.2 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

3000

2500

2000

1500

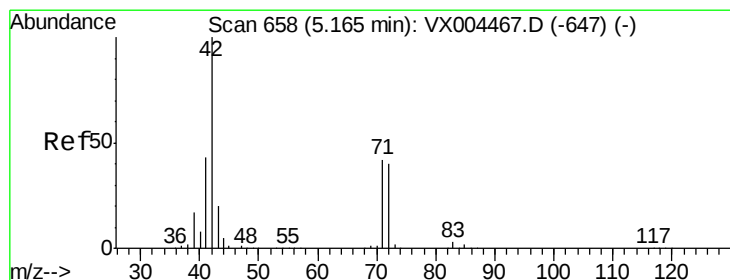
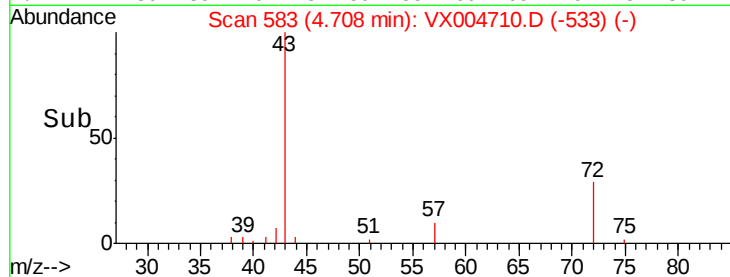
1000

500

0

4.60 4.70 4.80

Time-->



#29

Tetrahydrofuran

Concen: 2.14 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

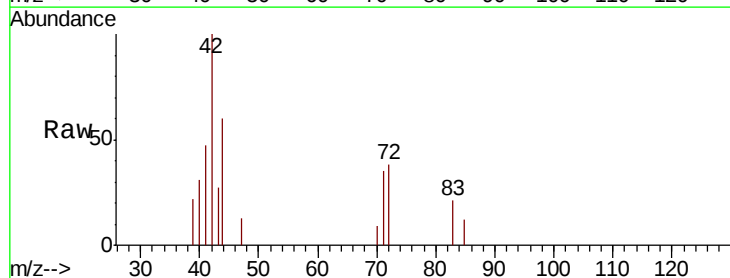
Tgt Ion: 42 Resp: 1641

Ion Ratio Lower Upper

42 100

72 40.3 37.4 56.0

71 38.2 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

800

600

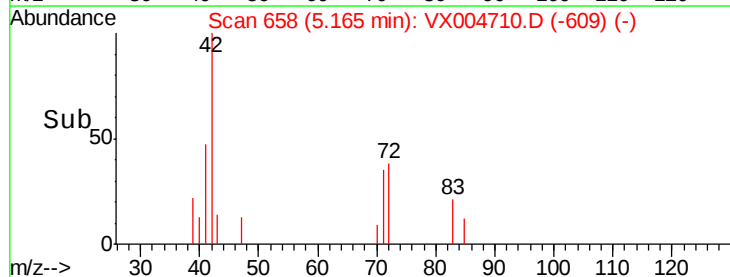
400

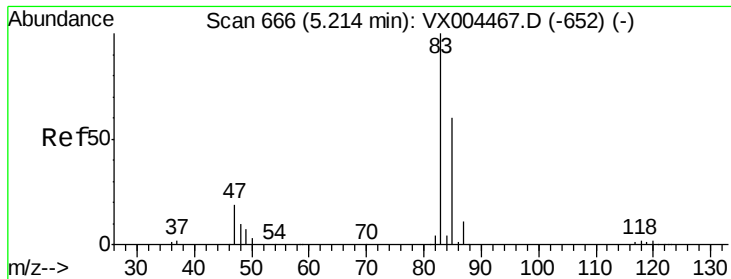
200

0

5.10 5.15 5.20 5.25

Time-->

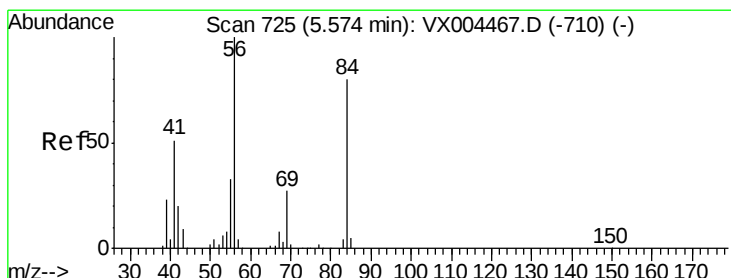
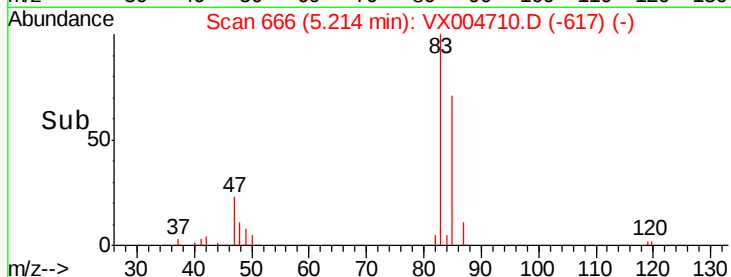
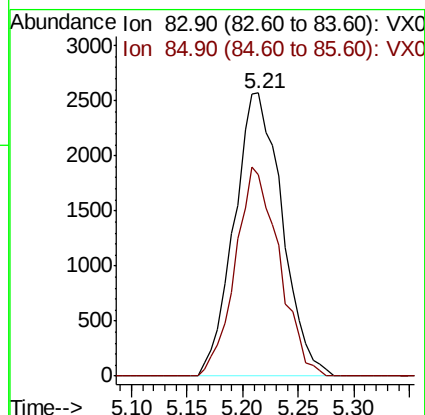
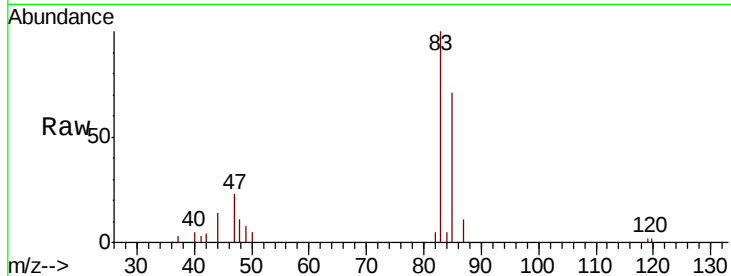




#30
Chloroform
Concen: 2.85 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004710.D
Acq: 19 Sep 2018 17:13

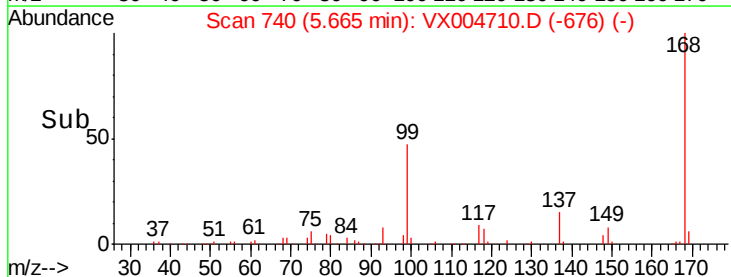
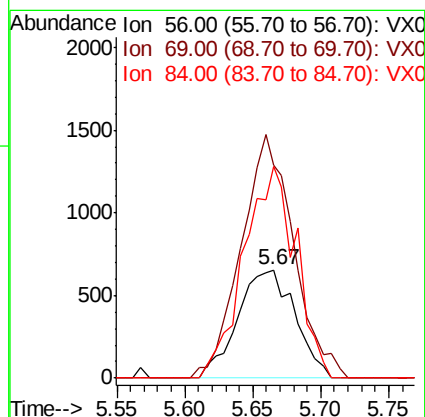
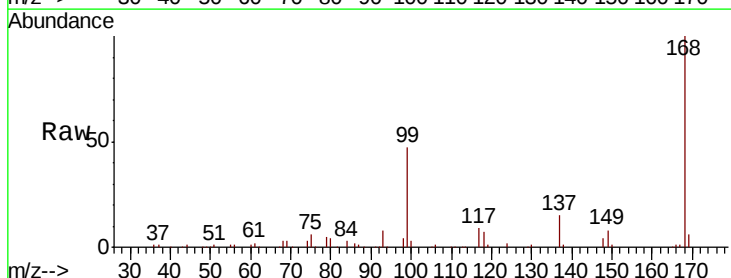
Instrument :
MSVOA_X
ClientSampleId :
CB-0918-S-TCLP-GRID56-3

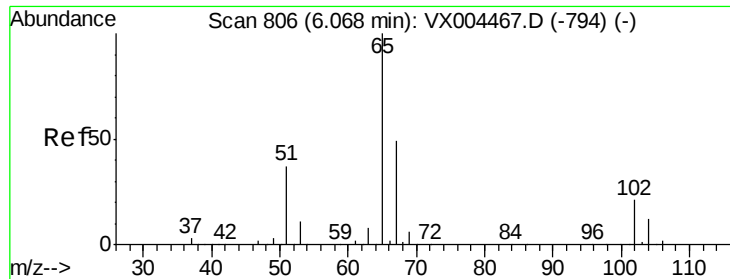
Tot Ion: 83 Resp: 7692
Ion Ratio Lower Upper
83 100
85 71.2 52.6 79.0



#31
Cyclohexane
Concen: 0.81 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX004710.D
Acq: 19 Sep 2018 17:13

Tgt Ion: 56 Resp: 1925
Ion Ratio Lower Upper
56 100
69 197.1 25.4 38.2#
84 196.2 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 59.96 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

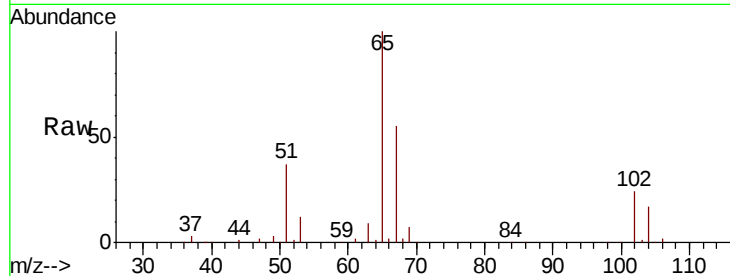
CB-0918-S-TCLP-GRID56-3

Tot Ion: 65 Resp: 97941

Ion Ratio Lower Upper

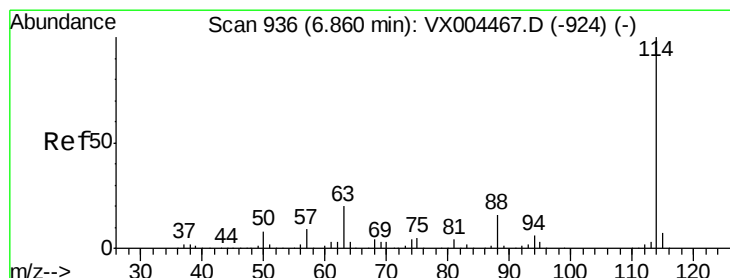
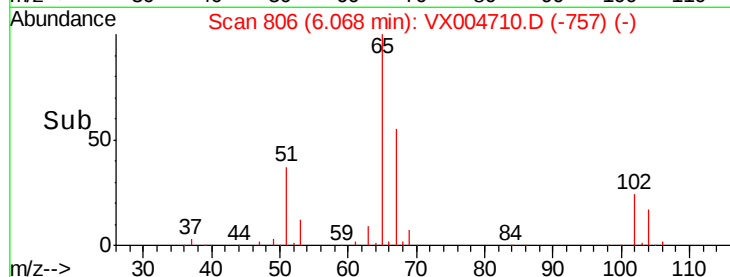
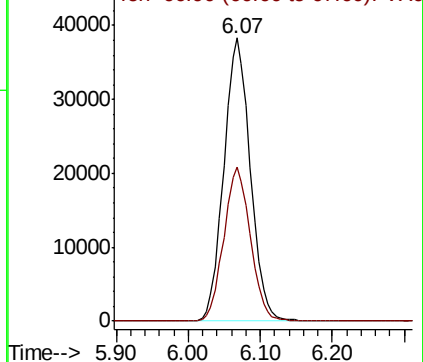
65 100

67 54.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

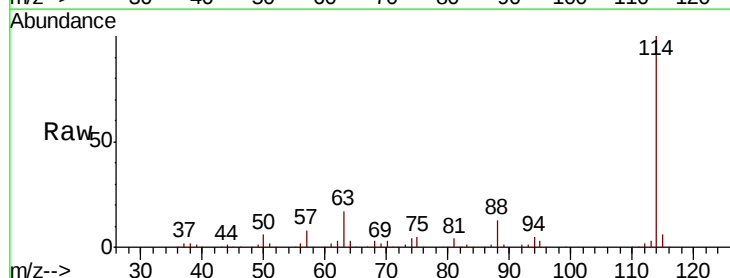
Tgt Ion: 114 Resp: 238935

Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.0

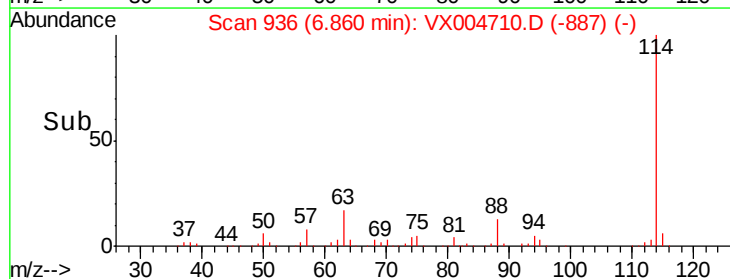
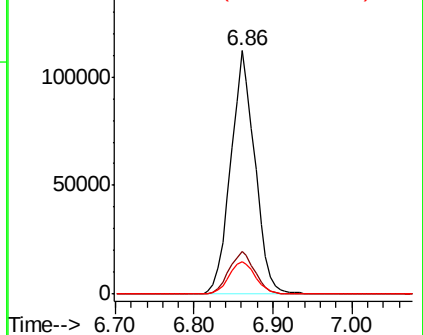
88 13.4 0.0 30.4

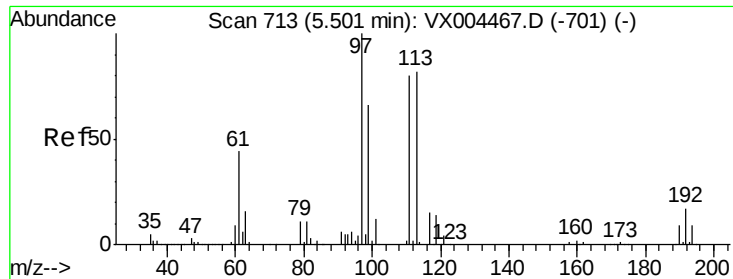


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

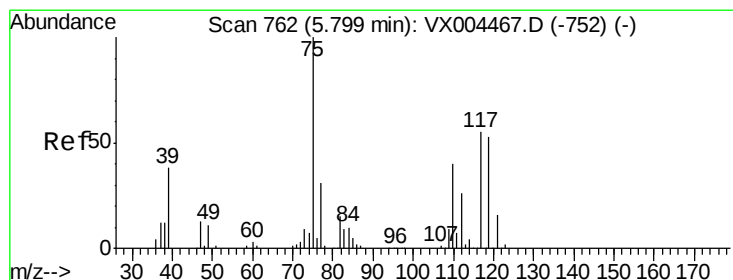
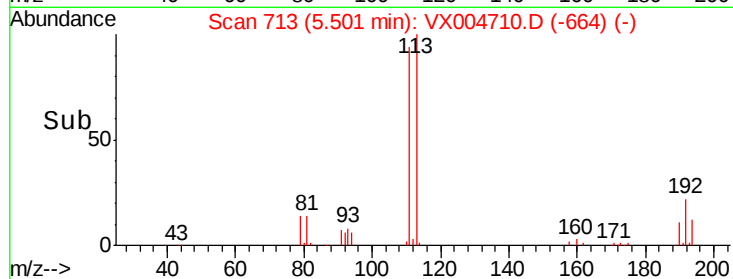
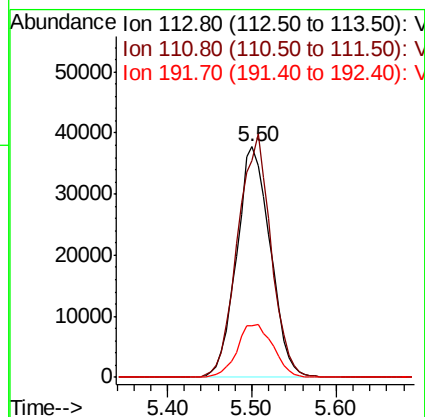
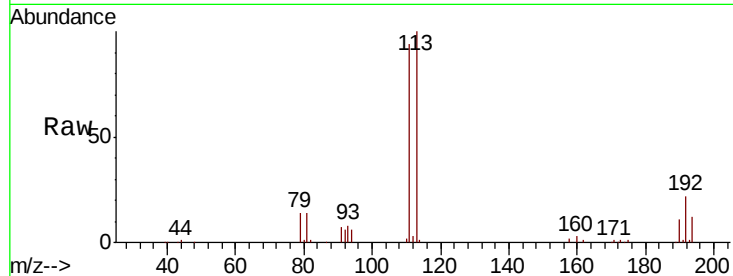




#35
 Dibromofluoromethane
 Concen: 46.76 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004710.D
 Acq: 19 Sep 2018 17:13

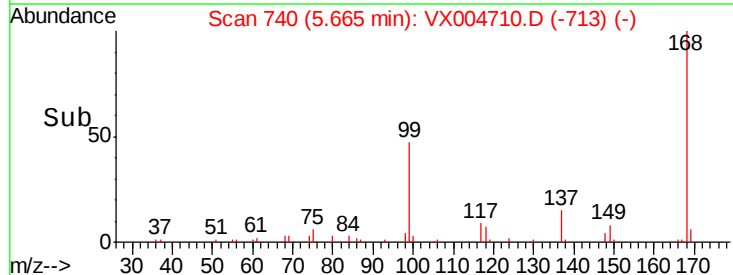
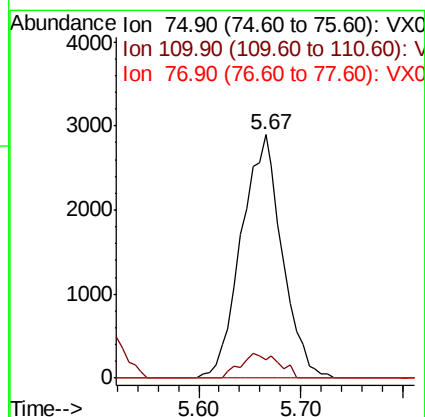
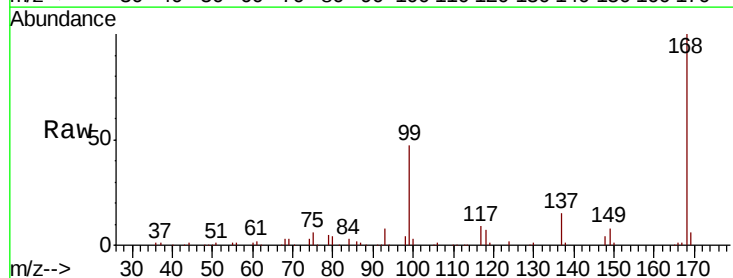
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-0918-S-TCLP-GRID56-3

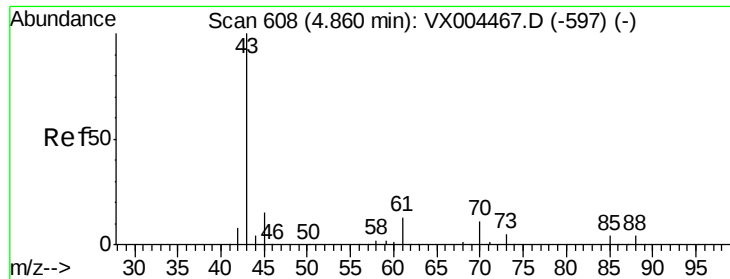
Tot Ion:113 Resp: 102243
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.4 123.6
 192 24.4 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 2.77 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004710.D
 Acq: 19 Sep 2018 17:13

Tgt Ion: 75 Resp: 8021
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.0 54.0#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 2.56 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.15 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

CB-0918-S-TCLP-GRID56-3

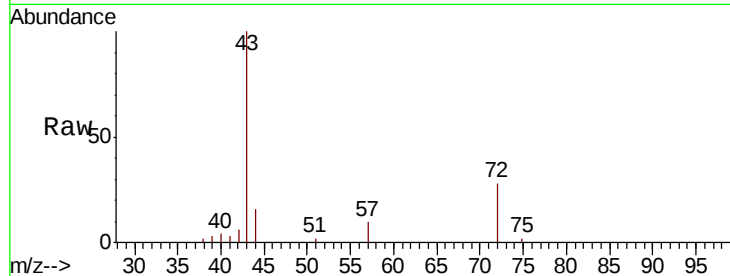
Tot Ion: 43 Resp: 8462

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

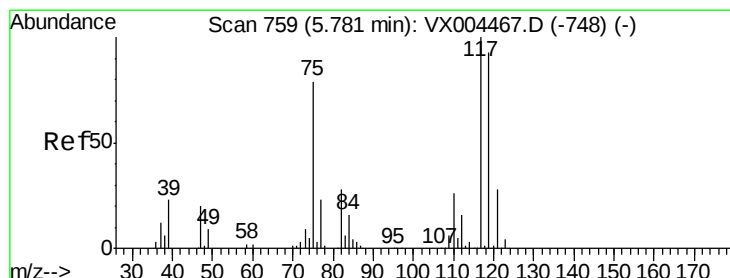
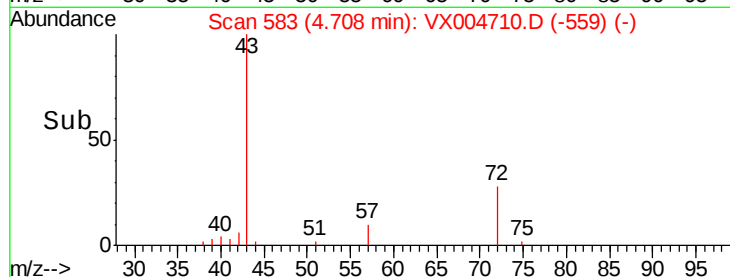
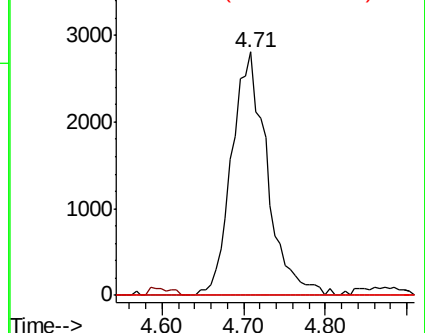
70 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 3.93 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

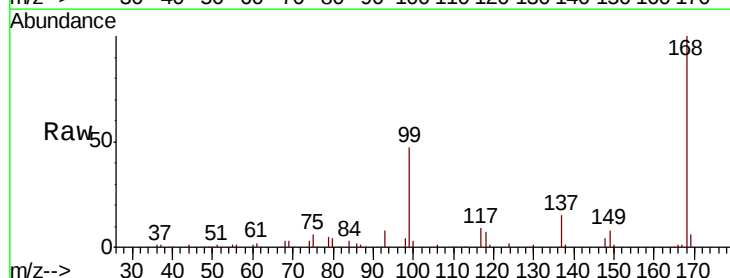
Tgt Ion: 117 Resp: 11124

Ion Ratio Lower Upper

117 100

119 6.9 78.8 118.2#

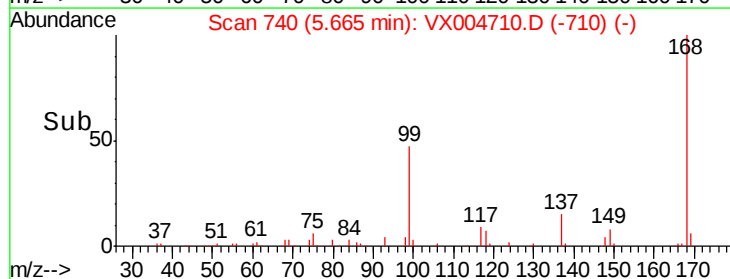
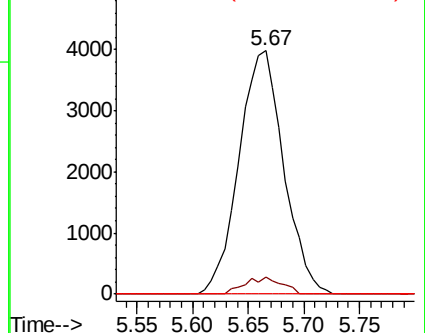
121 0.0 24.9 37.3#

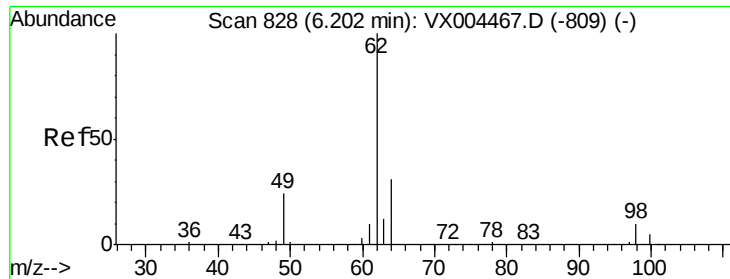


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

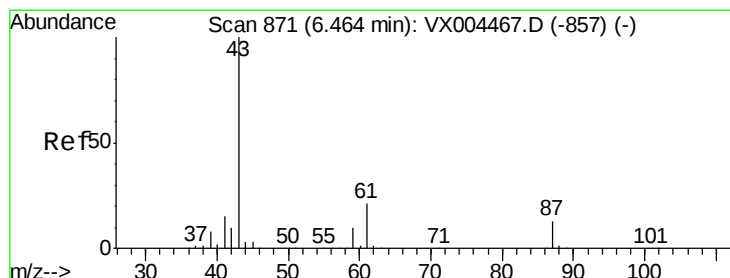
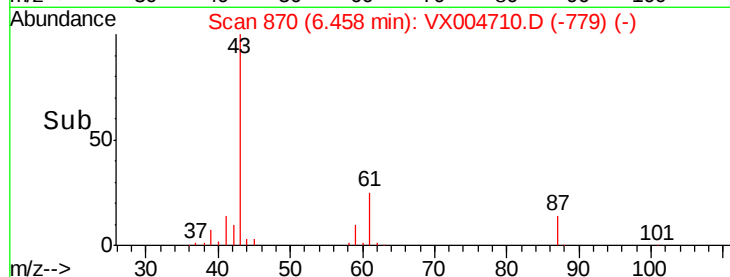
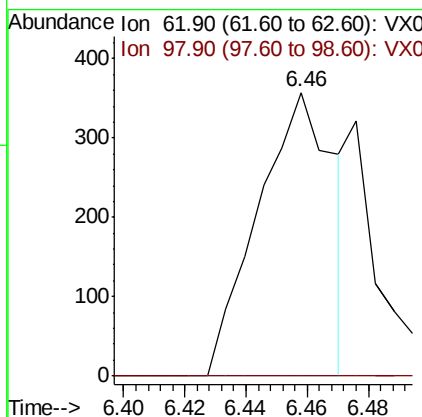
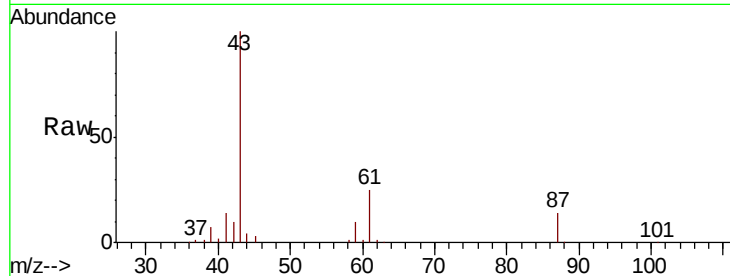




#42
 1,2-Dichloroethane
 Concen: 0.22 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.26 min
 Lab File: VX004710.D
 Acq: 19 Sep 2018 17:13

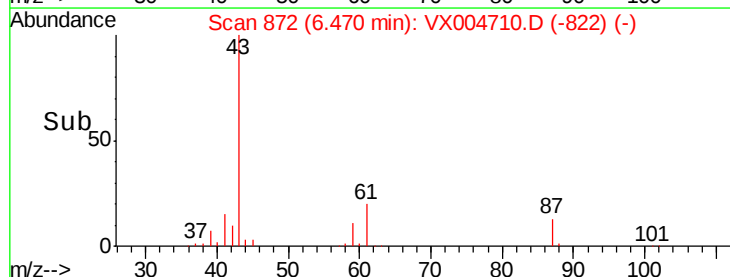
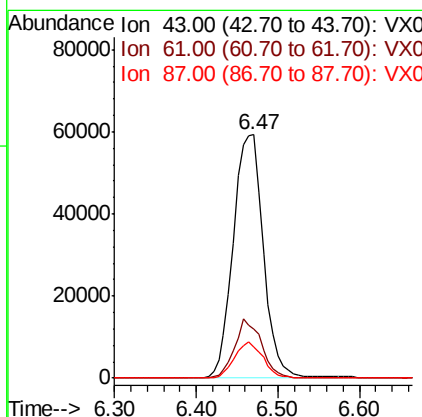
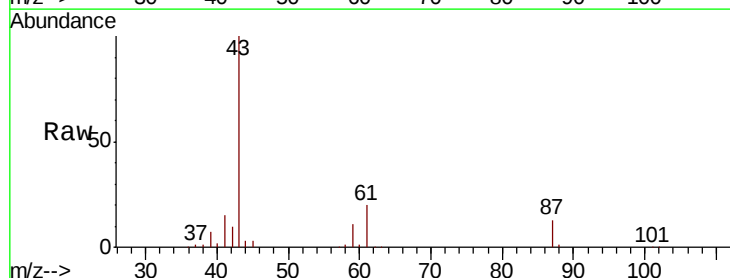
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-0918-S-TCLP-GRID56-3

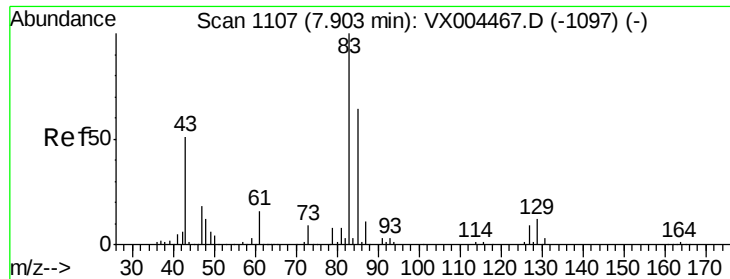
Tot Ion: 62 Resp: 617
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 20.6



#43
 Isopropyl Acetate
 Concen: 34.57 ug/l
 RT: 6.47 min Scan# 872
 Delta R.T. 0.01 min
 Lab File: VX004710.D
 Acq: 19 Sep 2018 17:13

Tgt Ion: 43 Resp: 151476
 Ion Ratio Lower Upper
 43 100
 61 21.6 17.0 25.4
 87 14.2 11.4 17.2





#47

Bromodichloromethane

Concen: 0.70 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

CB-0918-S-TCLP-GRID56-3

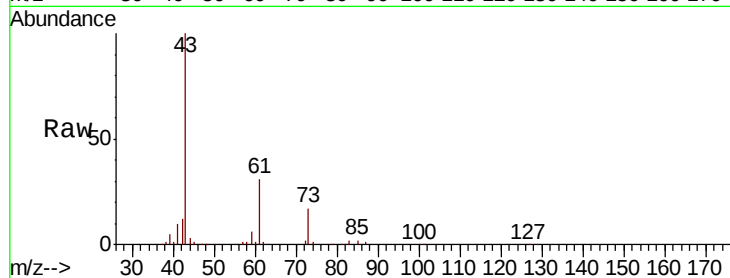
Tot Ion: 83 Resp: 1740

Ion Ratio Lower Upper

83 100

85 70.5 50.9 76.3

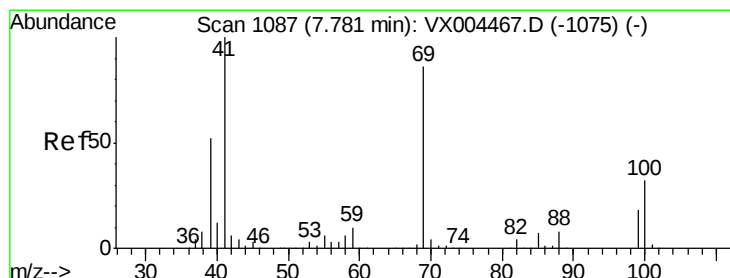
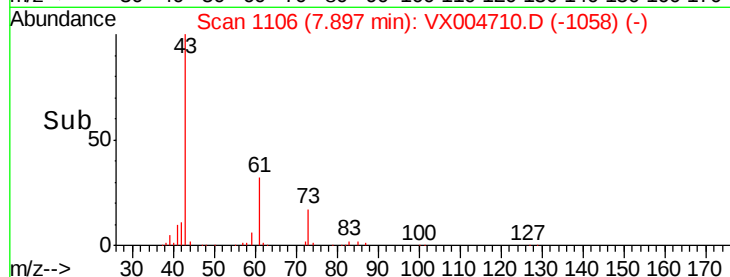
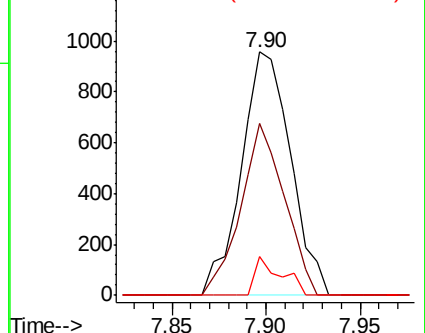
127 15.8 7.3 10.9#



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): V



#48

Methyl methacrylate

Concen: 2.69 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

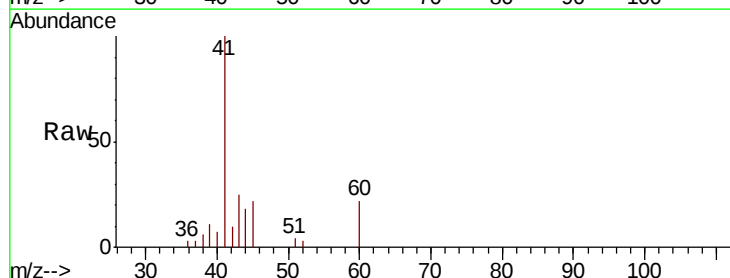
Tgt Ion: 41 Resp: 5833

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.4#

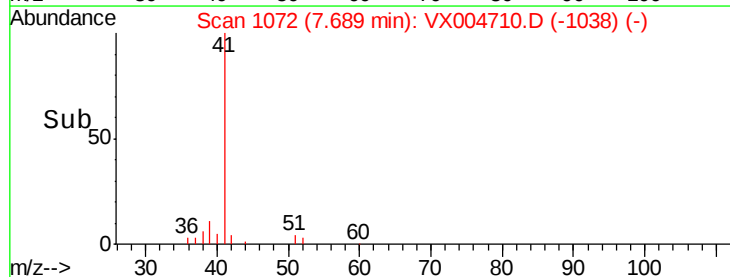
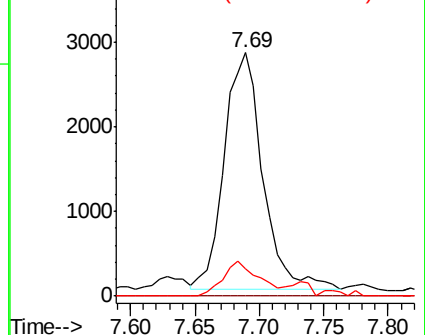
39 13.5 42.7 64.1#

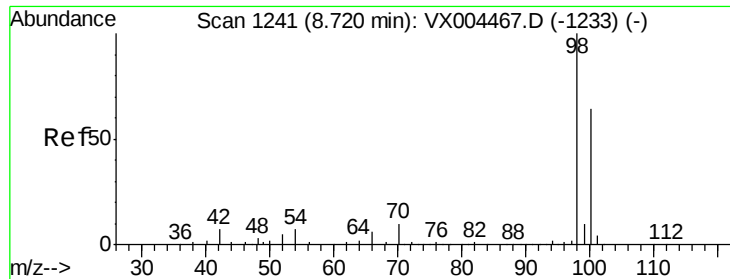


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

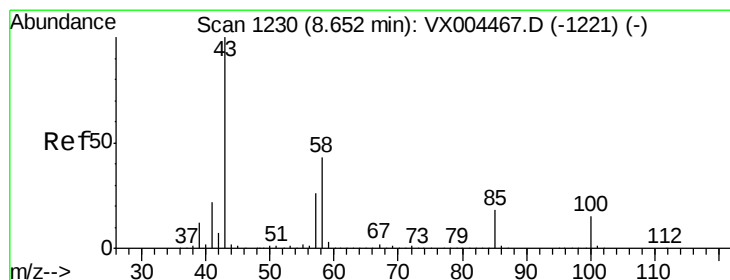
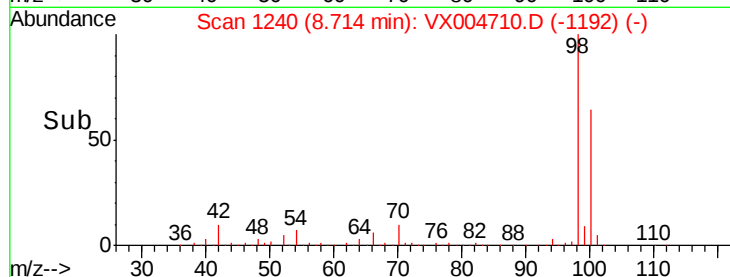
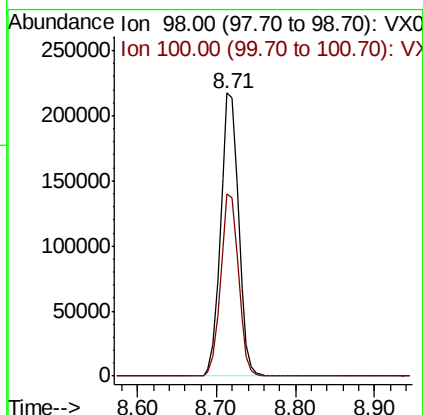
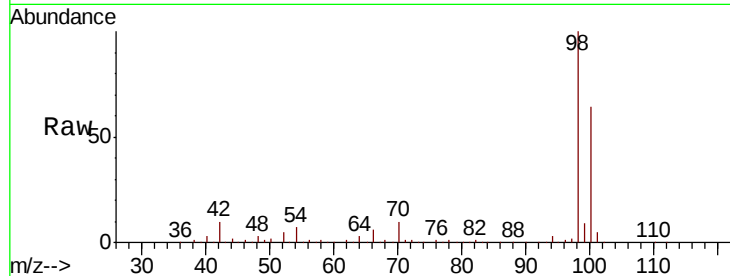




#50
Toluene-d8
Concen: 46.91 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004710.D
Acq: 19 Sep 2018 17:13

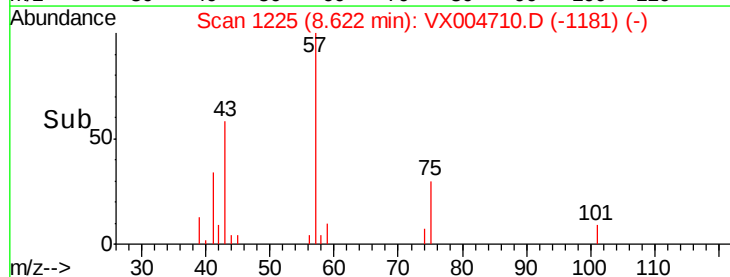
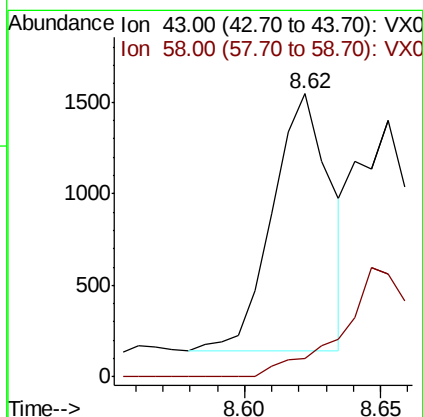
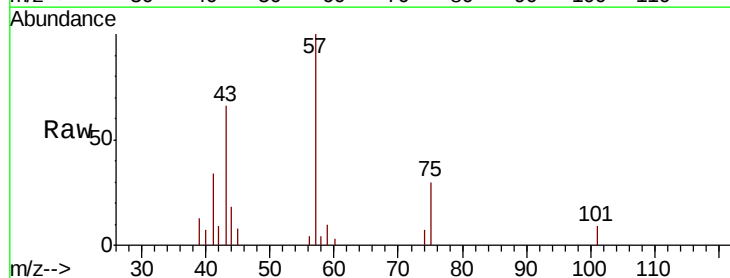
Instrument :
MSVOA_X
ClientSampleId :
CB-0918-S-TCLP-GRID56-3

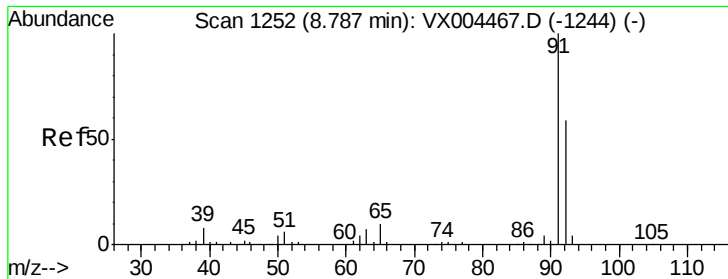
Tot Ion: 98 Resp: 343949
Ion Ratio Lower Upper
98 100
100 63.9 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.68 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.03 min
Lab File: VX004710.D
Acq: 19 Sep 2018 17:13

Tgt Ion: 43 Resp: 2094
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#





#52

Toluene

Concen: 0.23 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

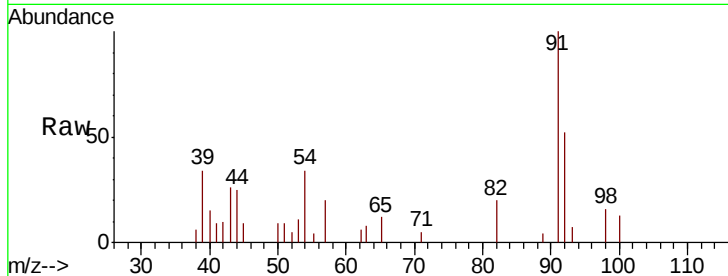
CB-0918-S-TCLP-GRID56-3

Tot Ion: 92 Resp: 1142

Ion Ratio Lower Upper

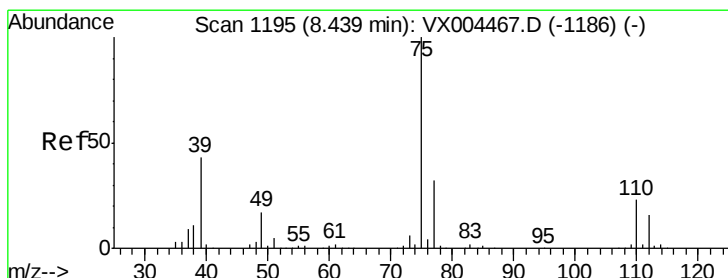
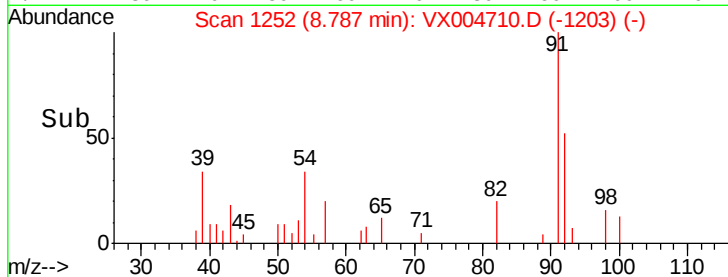
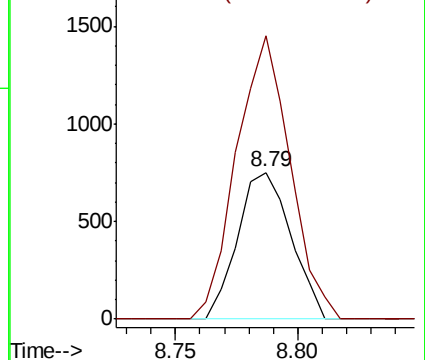
92 100

91 194.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 0.37 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.18 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

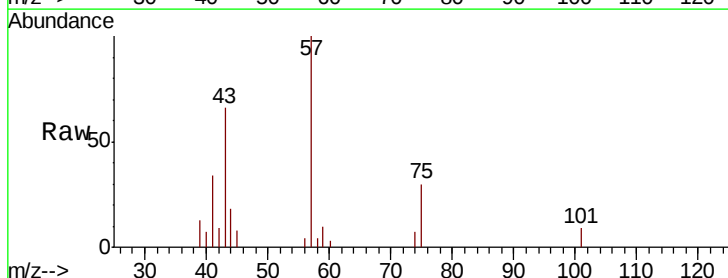
Tgt Ion: 75 Resp: 1101

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

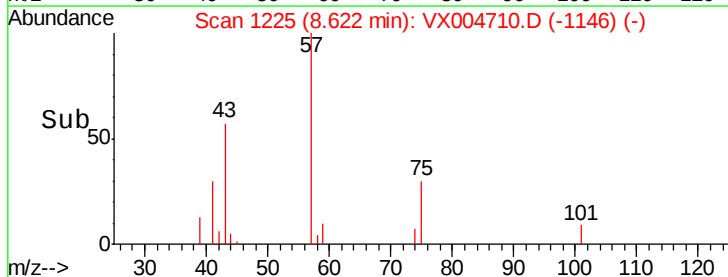
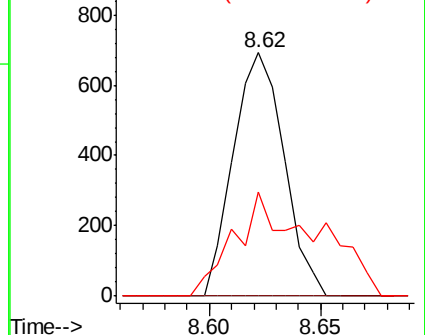
39 42.7 36.4 54.6

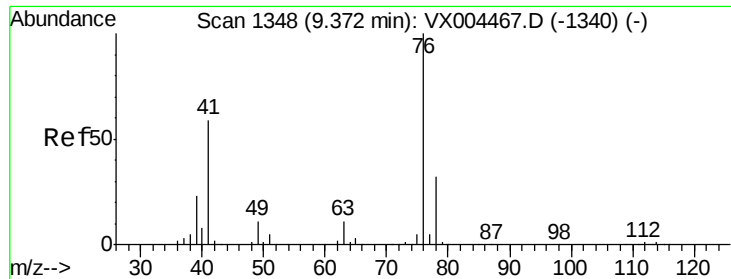


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 0.20 ug/l

RT: 9.55 min Scan# 1377

Delta R.T. 0.18 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

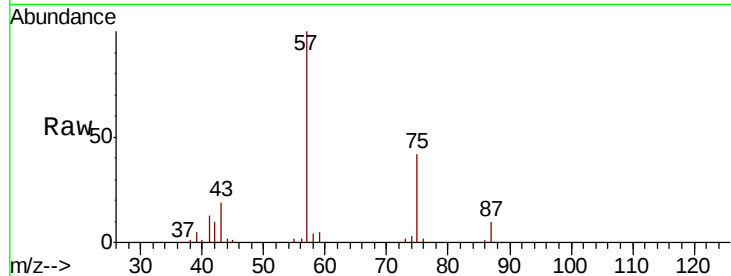
CB-0918-S-TCLP-GRID56-3

Tot Ion: 76 Resp: 724

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.55

600

500

400

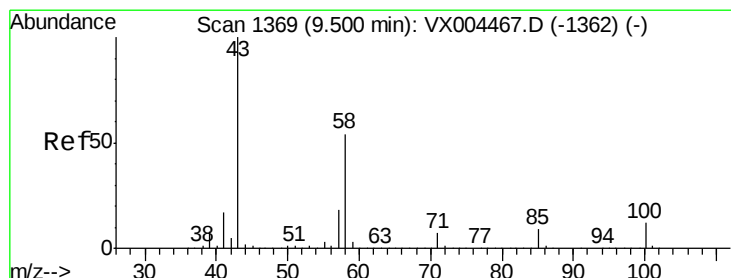
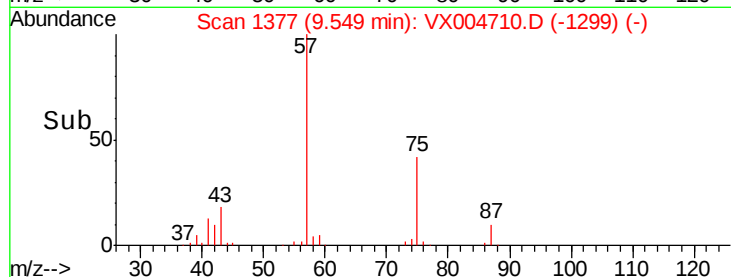
300

200

100

0

Time-->



#59

2-Hexanone

Concen: 0.43 ug/l

RT: 9.51 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VX004710.D

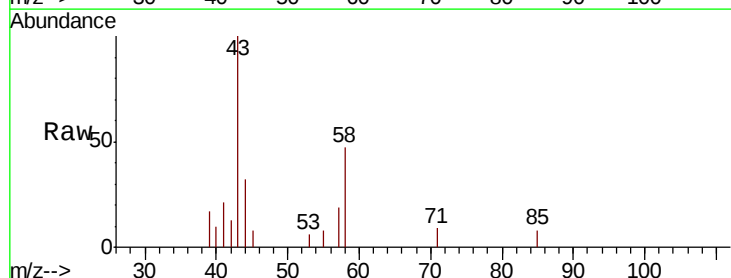
Acq: 19 Sep 2018 17:13

Tgt Ion: 43 Resp: 1014

Ion Ratio Lower Upper

43 100

58 64.4 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

4000

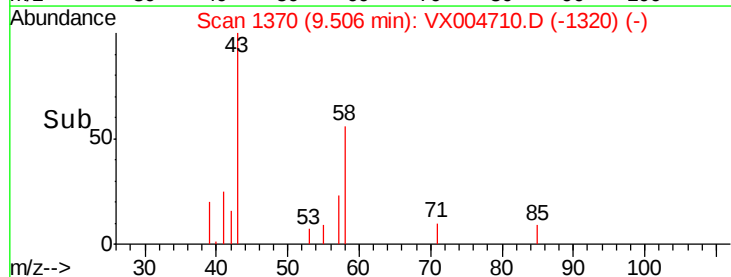
3000

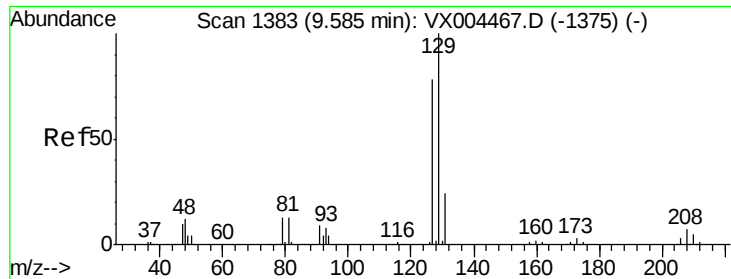
2000

1000

0

Time-->





#60

Dibromochloromethane

Concen: 0.21 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

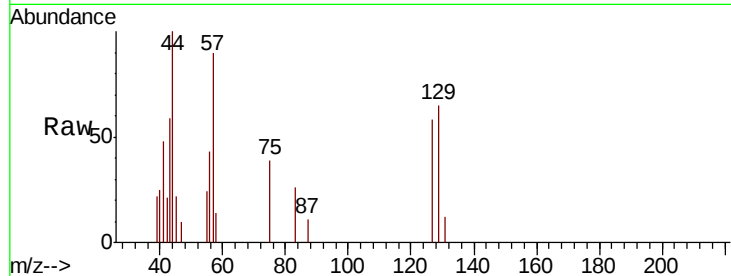
CB-0918-S-TCLP-GRID56-3

Tot Ion:129 Resp: 428

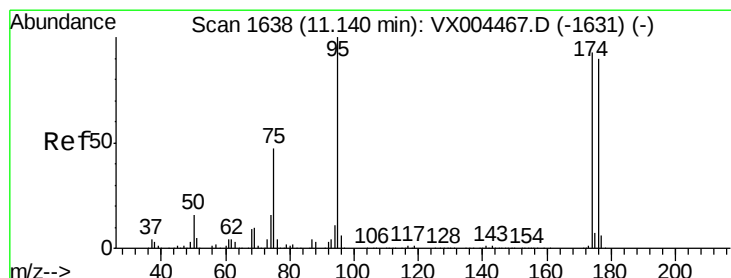
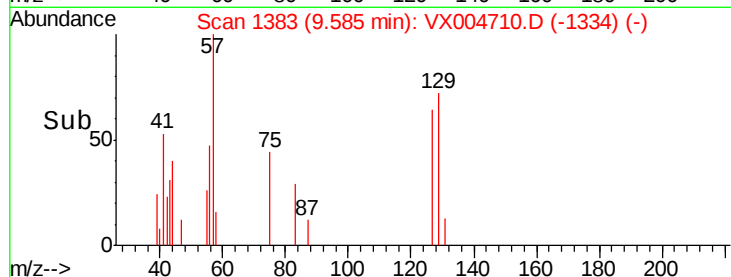
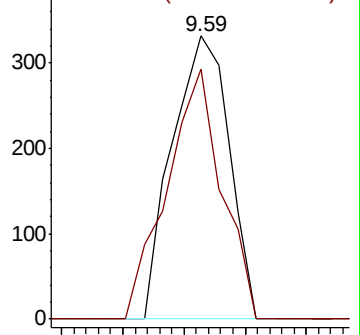
Ion Ratio Lower Upper

129 100

127 85.0 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V



#62

4-Bromofluorobenzene

Concen: 42.27 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

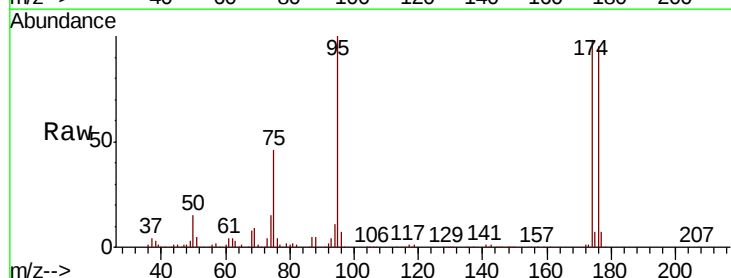
Tgt Ion: 95 Resp: 110634

Ion Ratio Lower Upper

95 100

174 94.4 0.0 185.2

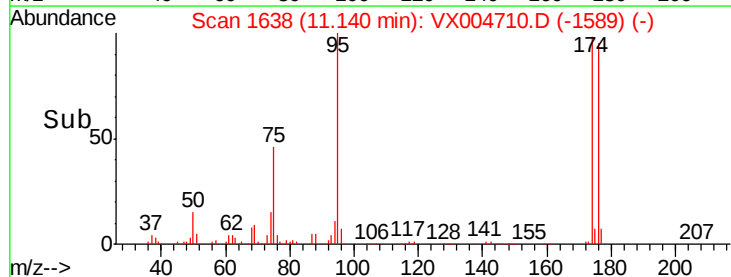
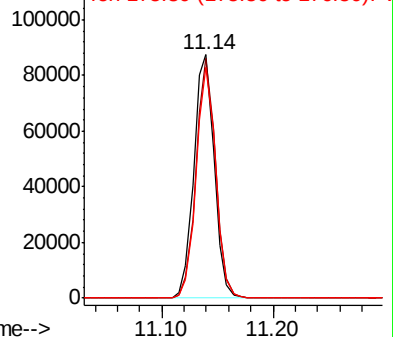
176 91.3 0.0 178.6

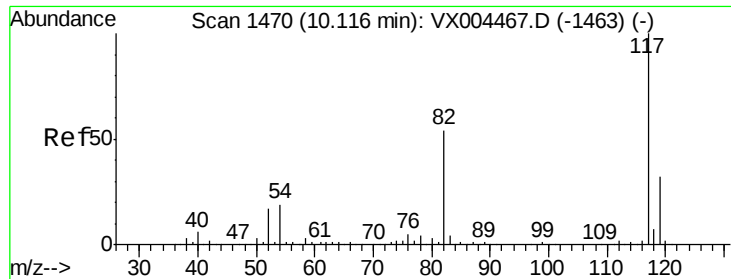


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

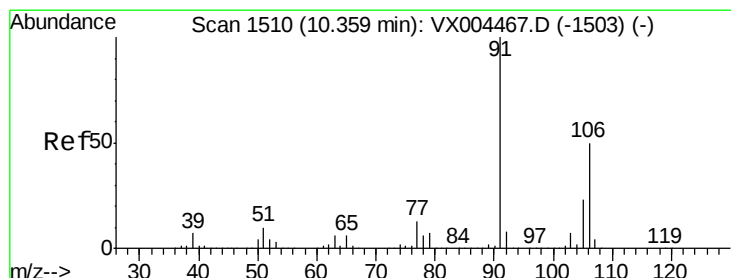
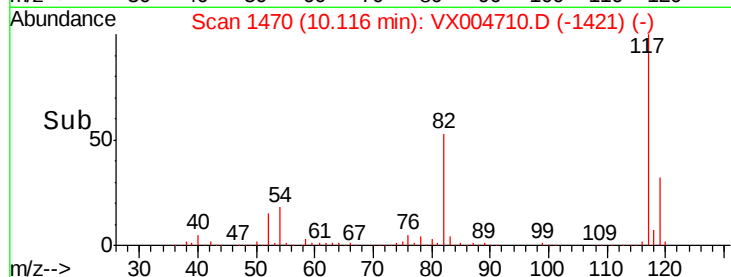
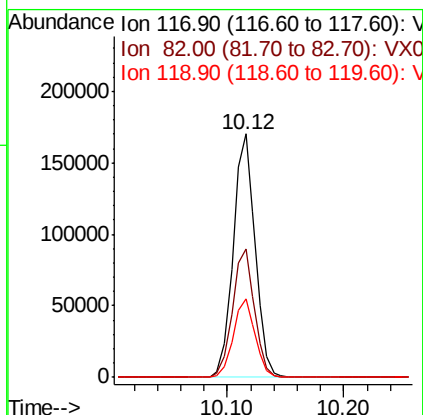
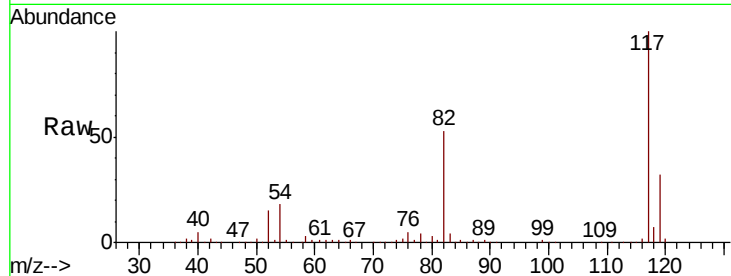




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004710.D
Acq: 19 Sep 2018 17:13

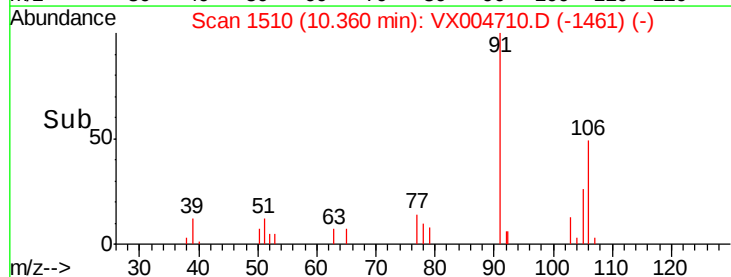
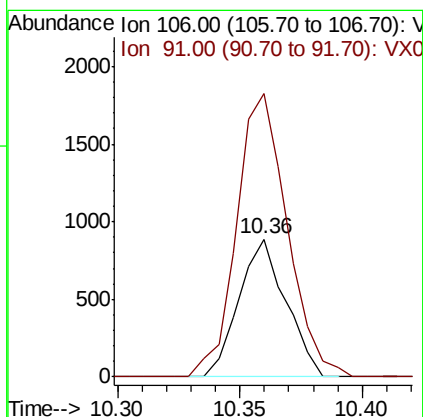
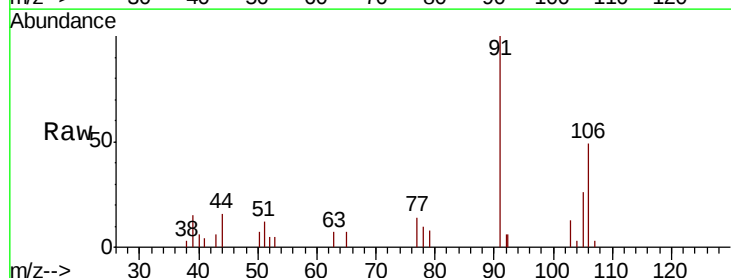
Instrument :
MSVOA_X
ClientSampleId :
CB-0918-S-TCLP-GRID56-3

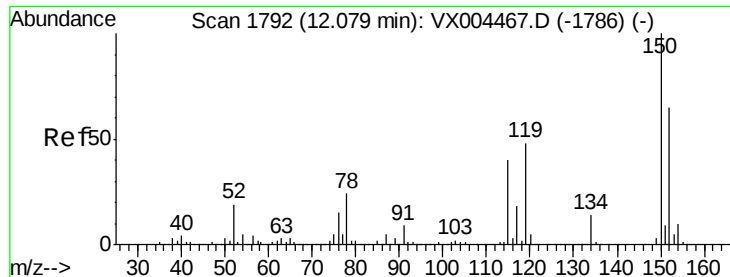
Tot Ion:117 Resp: 222543
Ion Ratio Lower Upper
117 100
82 52.8 47.8 71.6
119 32.2 29.3 43.9



#68
m/p-Xylenes
Concen: 0.34 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004710.D
Acq: 19 Sep 2018 17:13

Tgt Ion:106 Resp: 1180
Ion Ratio Lower Upper
106 100
91 222.4 157.1 235.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

CB-0918-S-TCLP-GRID56-3

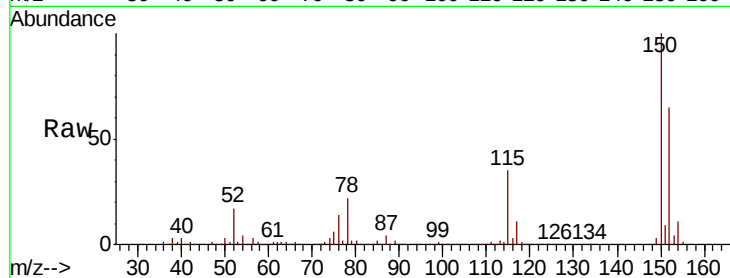
Tot Ion:152 Resp: 111722

Ion Ratio Lower Upper

152 100

115 53.7 39.0 117.0

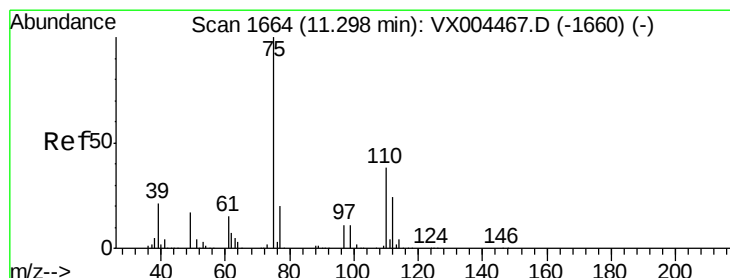
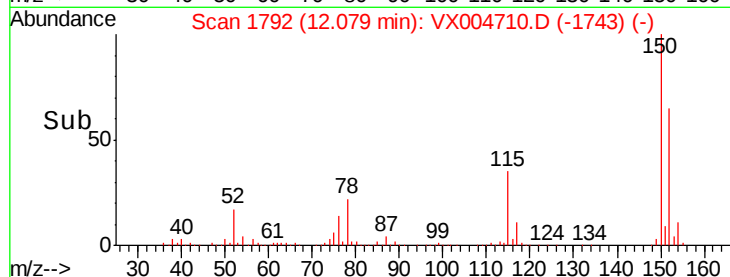
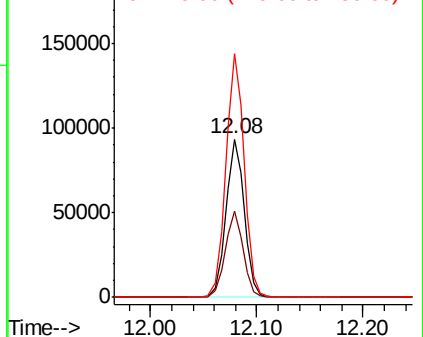
150 154.7 0.0 351.0



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



#76

1,2,3-Trichloropropane

Concen: 22.61 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004710.D

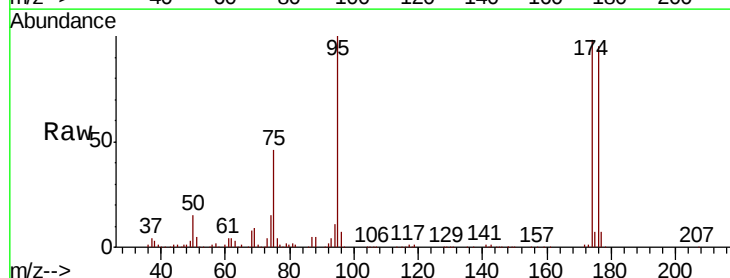
Acq: 19 Sep 2018 17:13

Tgt Ion: 75 Resp: 50828

Ion Ratio Lower Upper

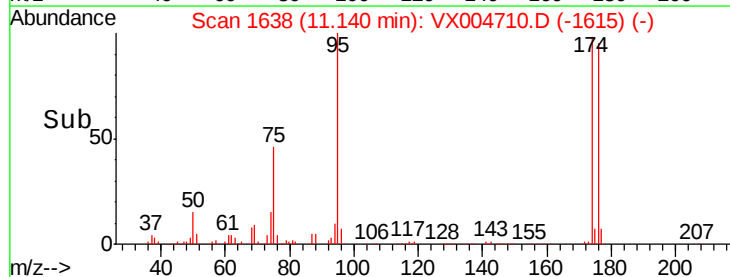
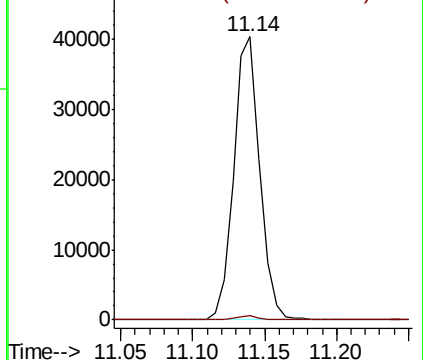
75 100

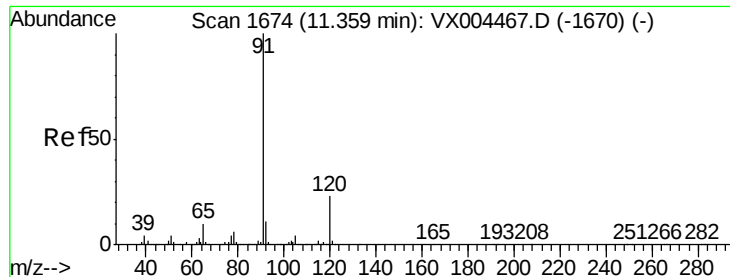
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.20 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

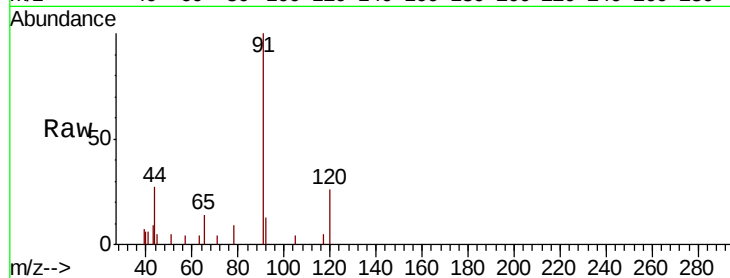
CB-0918-S-TCLP-GRID56-3

Tot Ion: 91 Resp: 1696

Ion Ratio Lower Upper

91 100

120 26.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

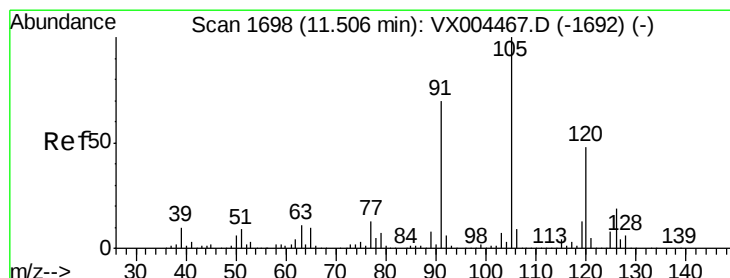
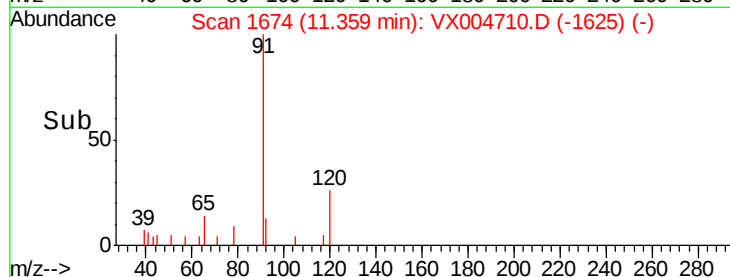
1500

1000

500

0

Time--> 11.30 11.35 11.40



#80

1,3,5-Trimethylbenzene

Concen: 0.29 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004710.D

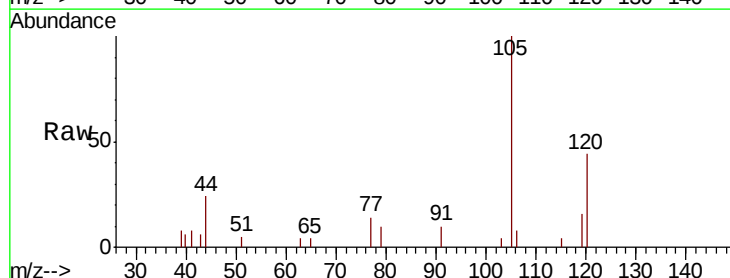
Acq: 19 Sep 2018 17:13

Tgt Ion:105 Resp: 1771

Ion Ratio Lower Upper

105 100

120 48.3 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

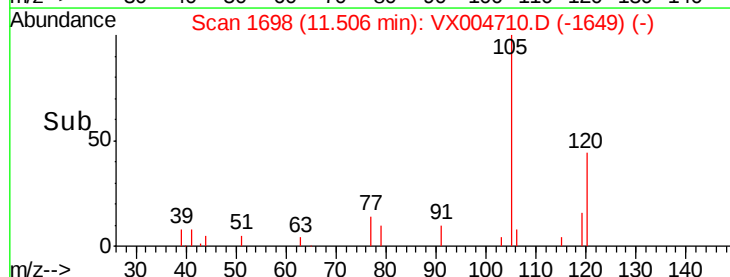
1500

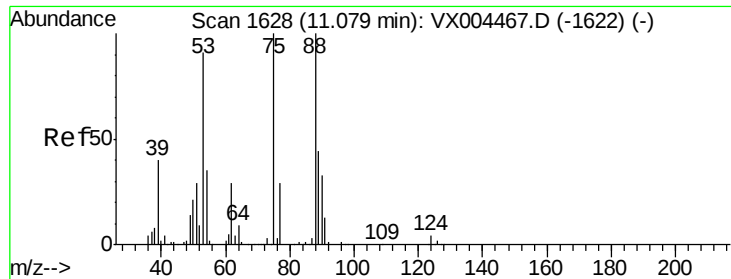
1000

500

0

Time--> 11.50 11.55





#81

trans-1,4-Dichloro-2-butene

Concen: 72.08 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

CB-0918-S-TCLP-GRID56-3

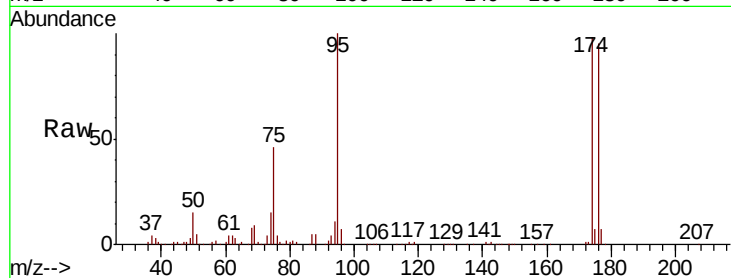
Tot Ion: 75 Resp: 50828

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

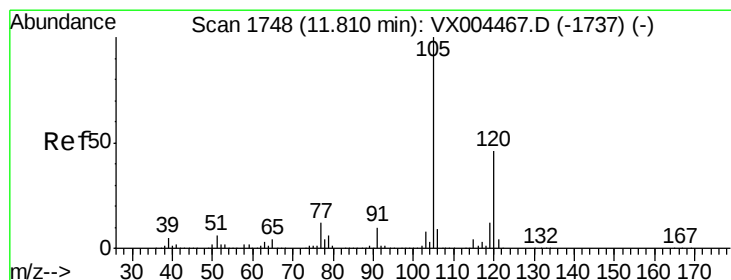
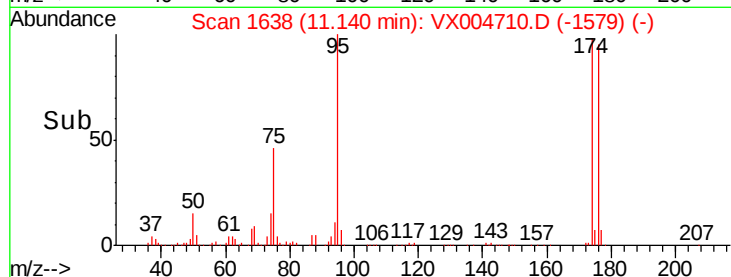
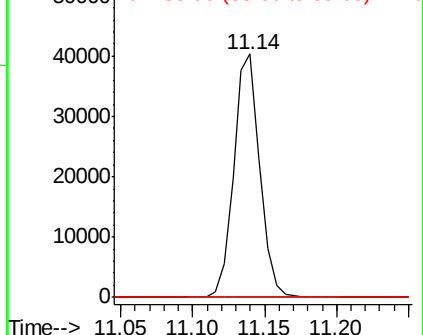
89 0.0 37.2 55.8#



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: 0.90 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004710.D

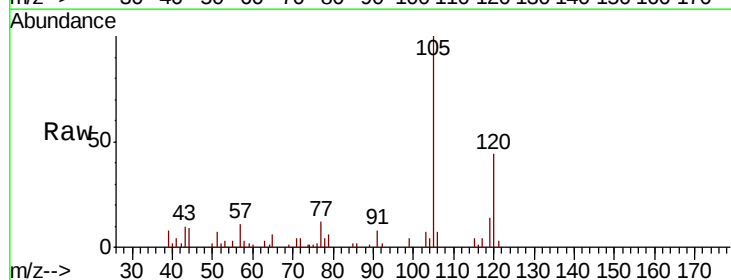
Acq: 19 Sep 2018 17:13

Tgt Ion: 105 Resp: 5661

Ion Ratio Lower Upper

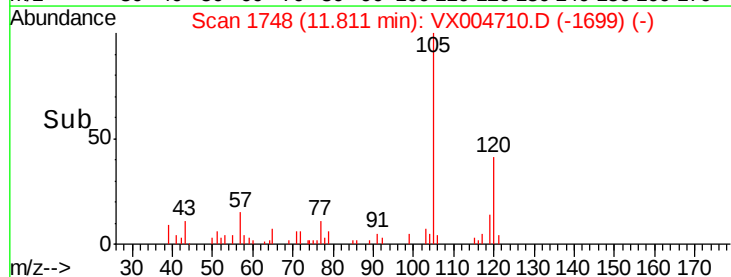
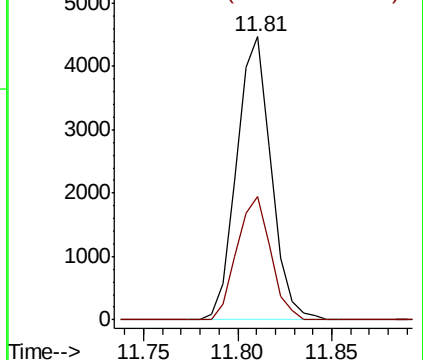
105 100

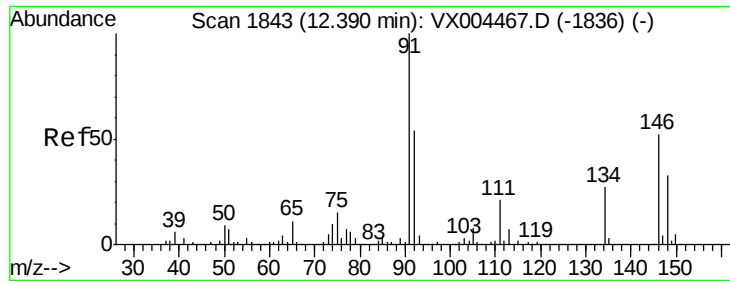
120 42.7 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#89

n-Butylbenzene

Concen: 0.22 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004710.D

Acq: 19 Sep 2018 17:13

Instrument :

MSVOA_X

ClientSampleId :

CB-0918-S-TCLP-GRID56-3

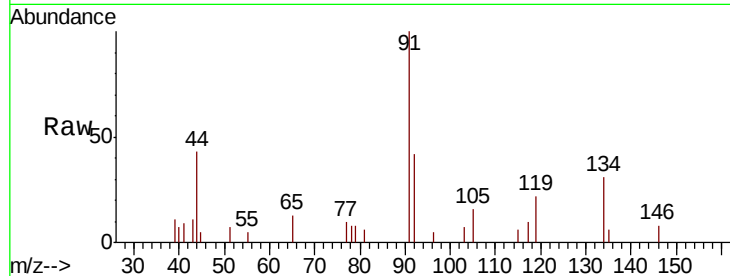
Tot Ion: 91 Resp: 1350

Ion Ratio Lower Upper

91 100

92 39.8 27.3 81.9

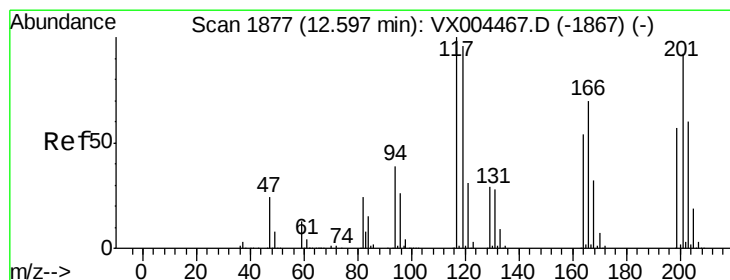
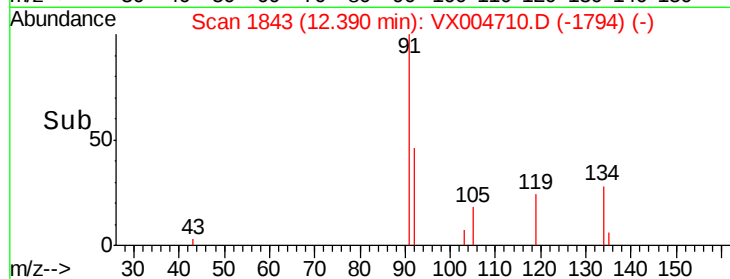
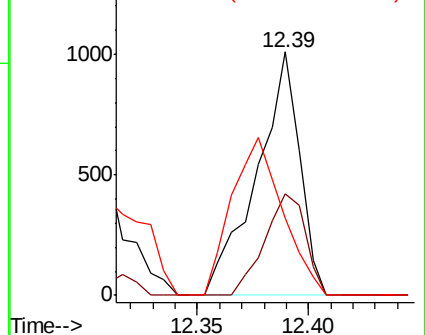
134 77.1 13.6 40.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.28 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX004710.D

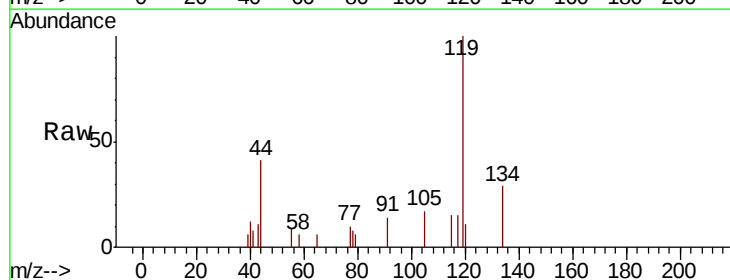
Acq: 19 Sep 2018 17:13

Tgt Ion: 117 Resp: 296

Ion Ratio Lower Upper

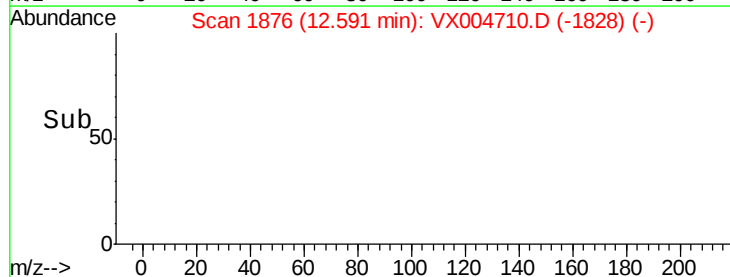
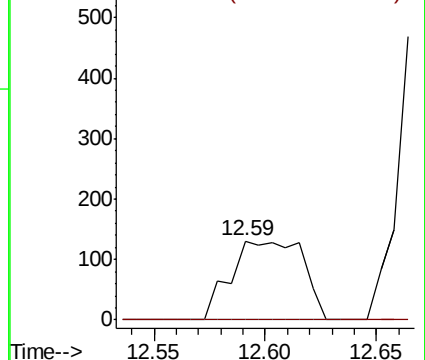
117 100

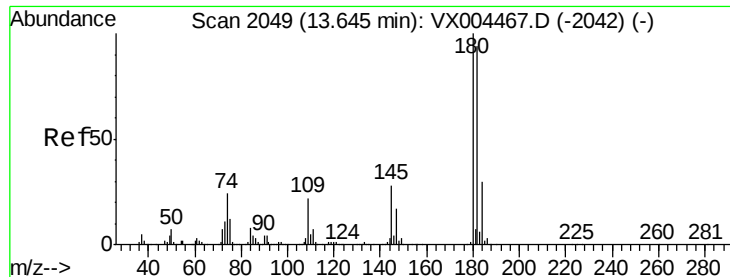
201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

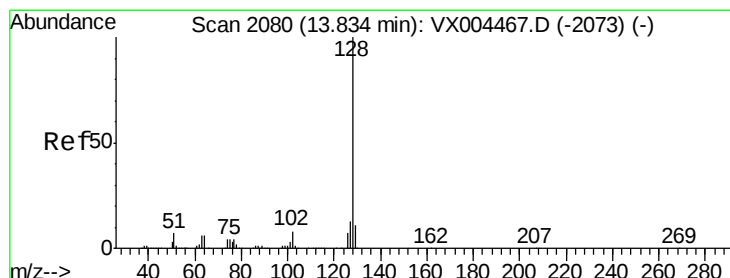
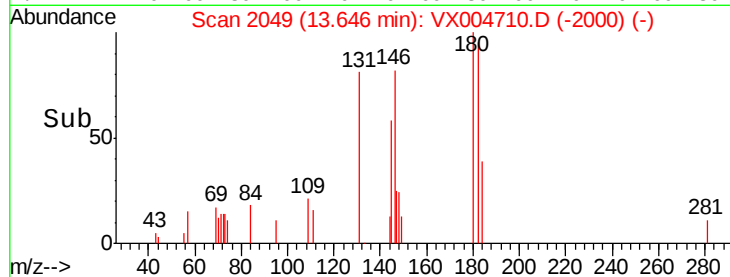
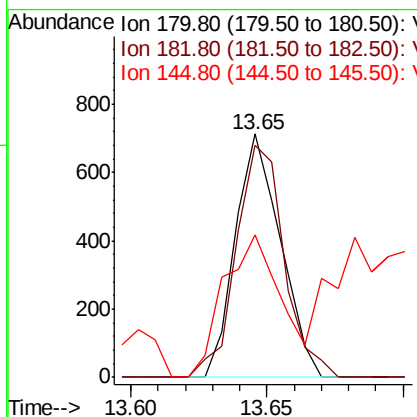
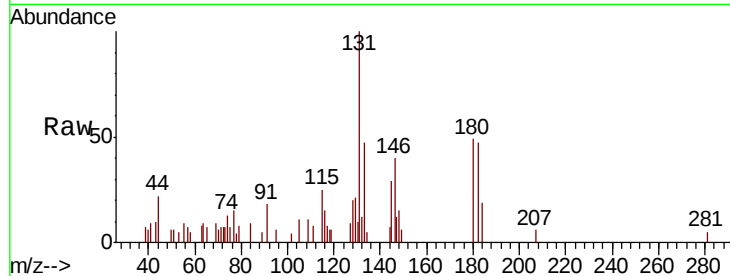




#93
 1,2,4-Trichlorobenzene
 Concen: 0.30 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004710.D
 Acq: 19 Sep 2018 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-0918-S-TCLP-GRID56-3

Tot Ion:180 Resp: 821
 Ion Ratio Lower Upper
 180 100
 182 101.6 48.4 145.0
 145 74.3 14.3 42.9#



#95
 Naphthalene
 Concen: 55.90 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX004710.D
 Acq: 19 Sep 2018 17:13

Tgt Ion:128 Resp: 426366
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.2 15.2
 129 11.0 8.6 12.8

