

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX091418\
 Data File : VX004545.D
 Acq On : 14 Sep 2018 17:34
 Operator : JC/MD
 Sample : J4913-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB01-180911

Quant Time: Sep 15 04:42:48 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	284242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	394961	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	371922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217335	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	182484	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
35) Dibromofluoromethane	5.50	113	166099	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
50) Toluene-d8	8.71	98	570545	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
62) 4-Bromofluorobenzene	11.14	95	203885	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

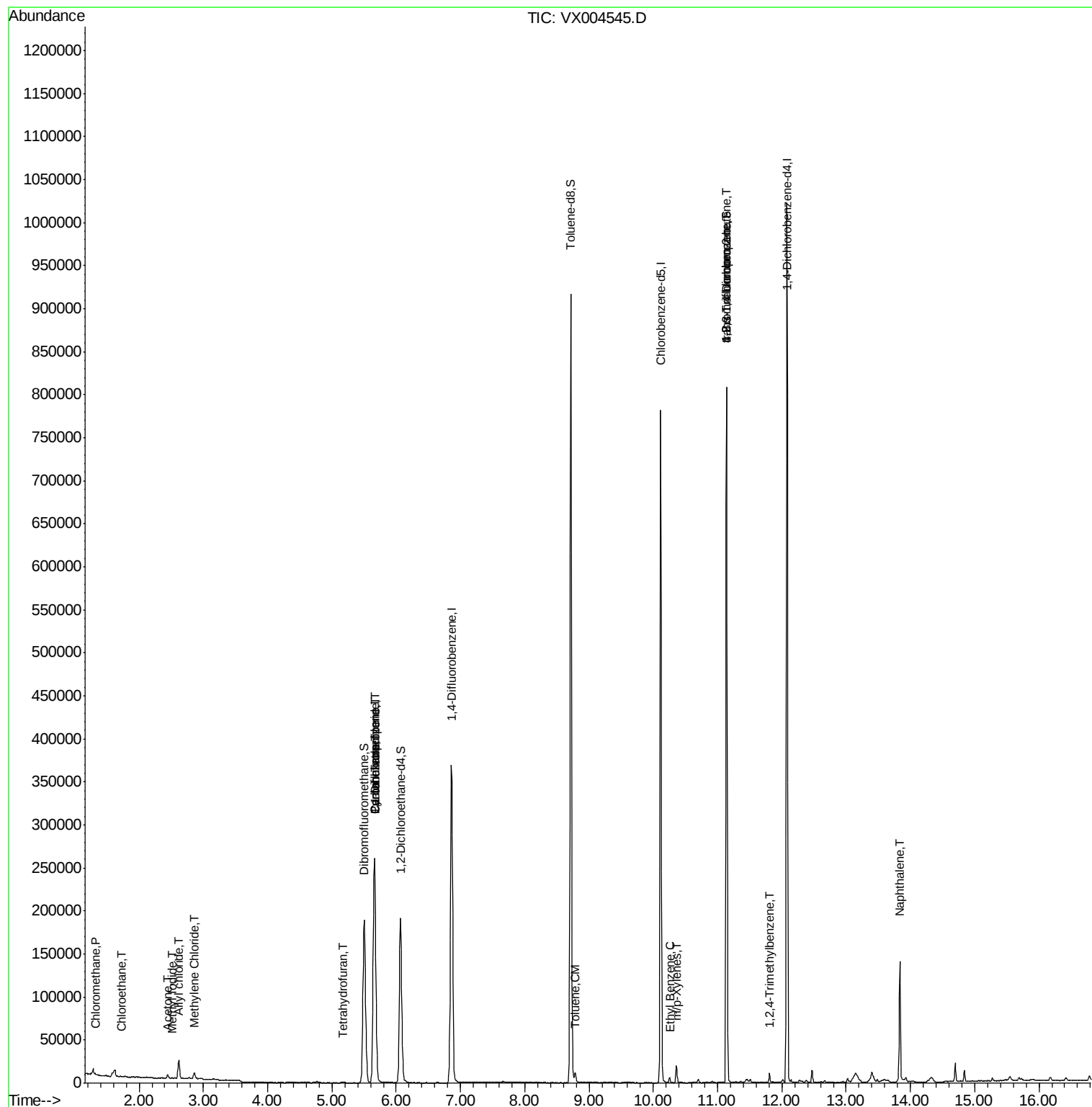
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1009	0.28	ug/l	92
5) Bromomethane	1.64	94	686	Below Cal		90
6) Chloroethane	1.73	64	798	0.33	ug/l #	53
10) Methyl Iodide	2.52	142	349	4.34	ug/l #	78
14) Allyl chloride	2.62	41	2269	0.37	ug/l #	63
16) Acetone	2.45	43	4522	2.53	ug/l	90
20) Methylene Chloride	2.86	84	3135	0.85	ug/l	97
29) Tetrahydrofuran	5.17	42	803	0.47	ug/l #	61
31) Cyclohexane	5.66	56	4473	0.84	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18365	3.83	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24009	5.13	ug/l #	15
52) Toluene	8.79	92	3621	0.43	ug/l	98
67) Ethyl Benzene	10.26	91	3776	0.25	ug/l	98
68) m/p-Xylenes	10.36	106	4803	0.83	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	95881	21.93	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	95881	69.89	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	4757	0.39	ug/l	99
95) Naphthalene	13.83	128	93076	6.27	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: VX004545.D

Acq: 14 Sep 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

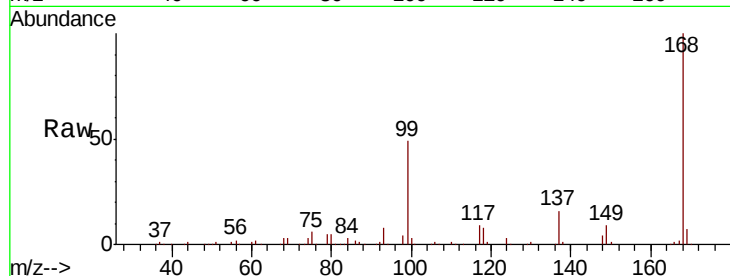
BP-TB01-180911

Tot Ion:168 Resp: 284242

Ion Ratio Lower Upper

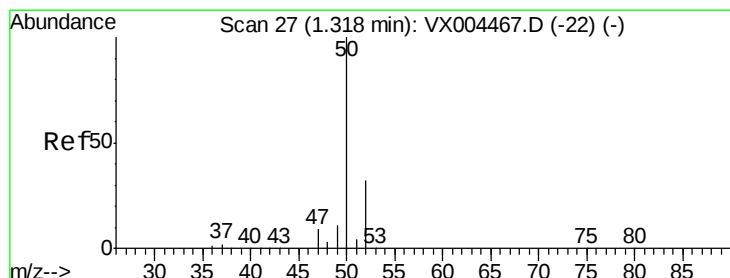
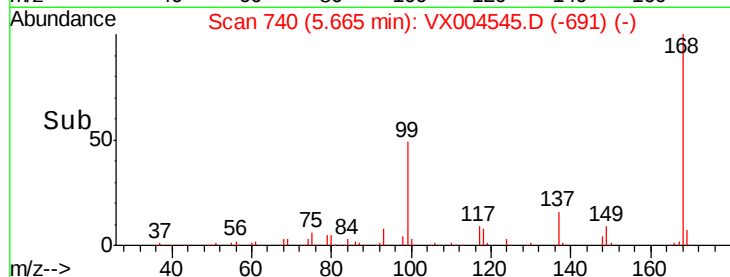
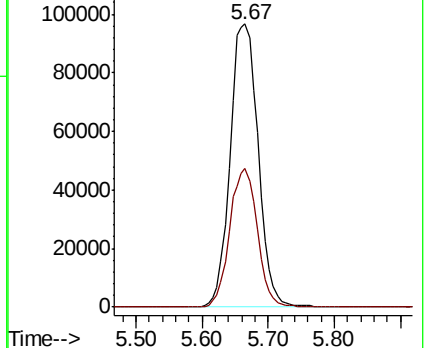
168 100

99 48.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.28 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004545.D

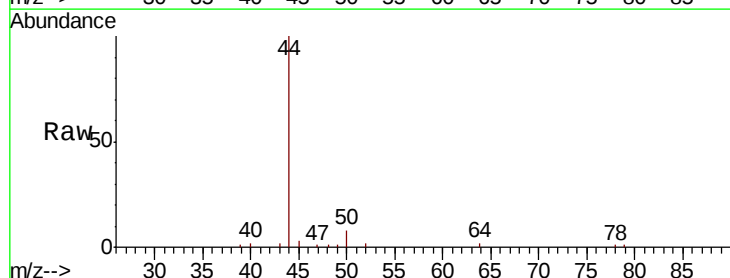
Acq: 14 Sep 2018 17:34

Tgt Ion: 50 Resp: 1009

Ion Ratio Lower Upper

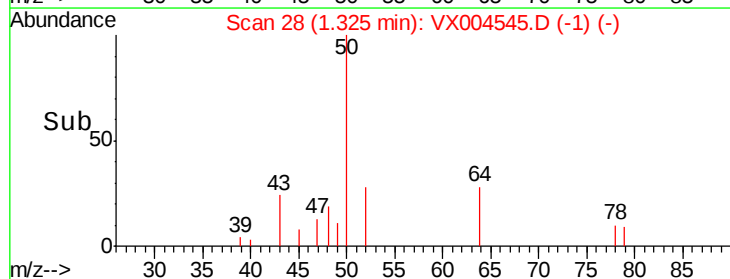
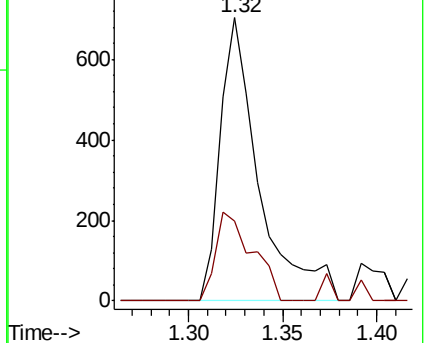
50 100

52 28.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004545.D

Acq: 14 Sep 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

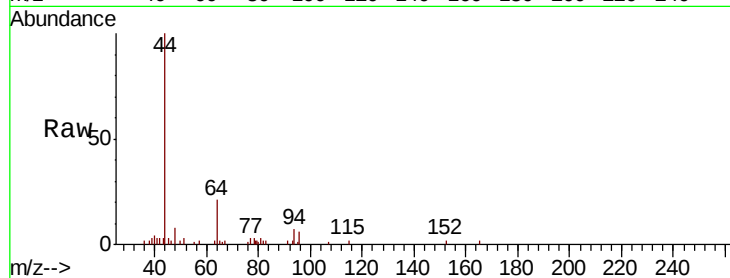
BP-TB01-180911

Tot Ion: 94 Resp: 686

Ion Ratio Lower Upper

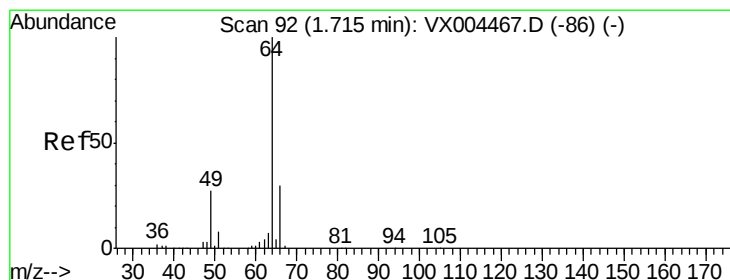
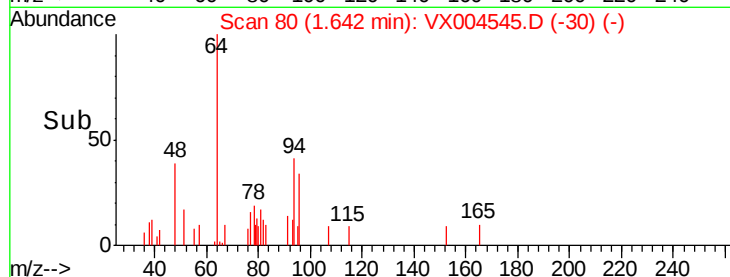
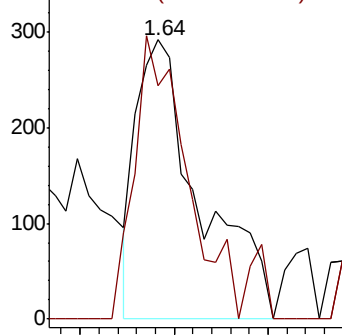
94 100

96 83.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.33 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX004545.D

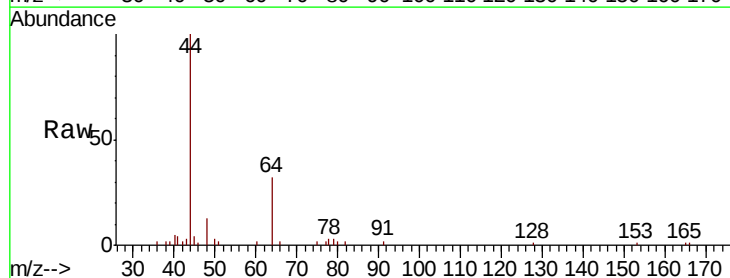
Acq: 14 Sep 2018 17:34

Tgt Ion: 64 Resp: 798

Ion Ratio Lower Upper

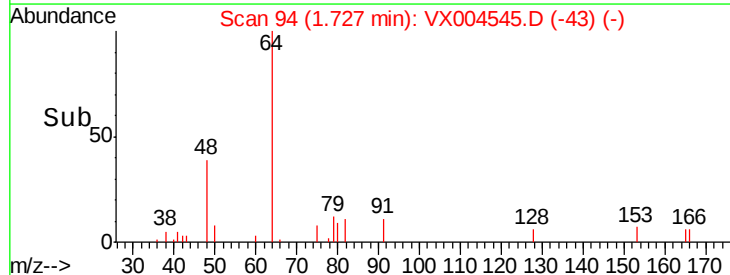
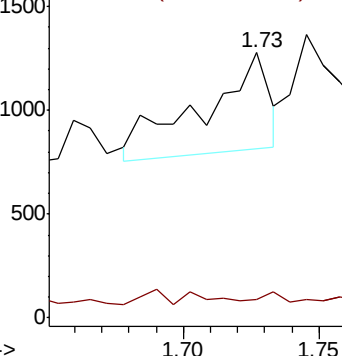
64 100

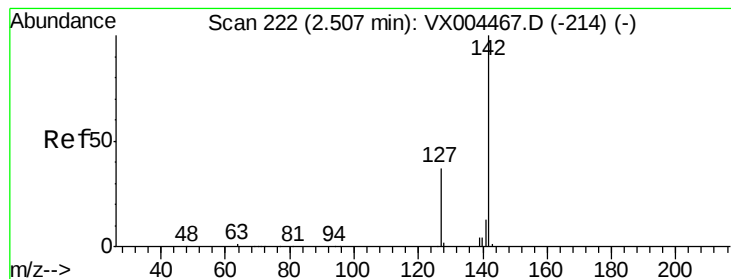
66 5.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 4.34 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004545.D

Acq: 14 Sep 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

BP-TB01-180911

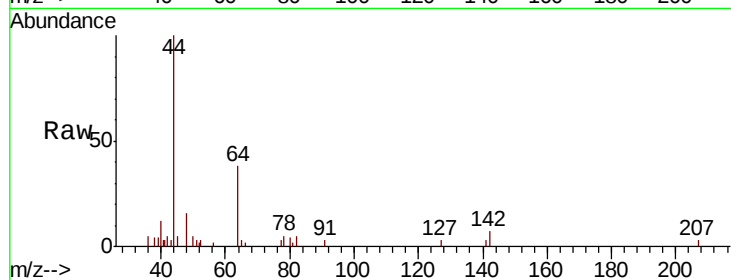
Tot Ion:142 Resp: 349

Ion Ratio Lower Upper

142 100

127 26.6 33.8 50.6#

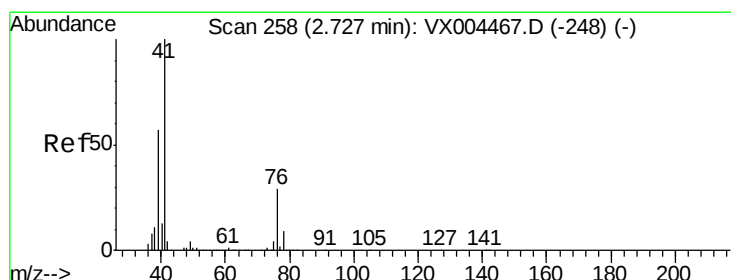
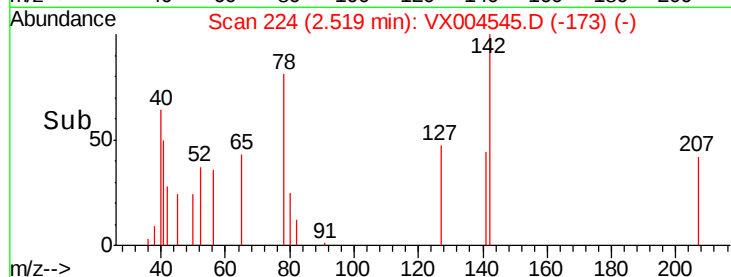
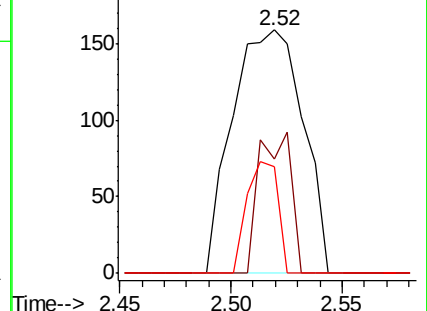
141 20.3 11.4 17.0#



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



#14

Allyl chloride

Concen: 0.37 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.11 min

Lab File: VX004545.D

Acq: 14 Sep 2018 17:34

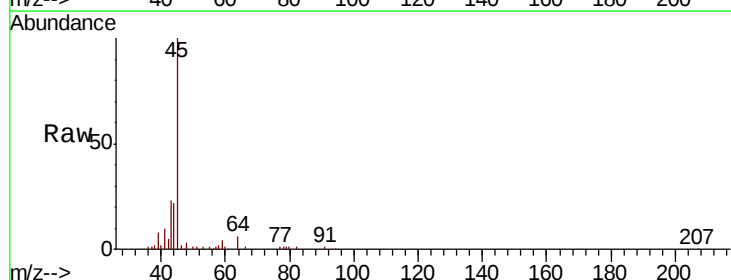
Tgt Ion: 41 Resp: 2269

Ion Ratio Lower Upper

41 100

39 80.1 48.9 73.3#

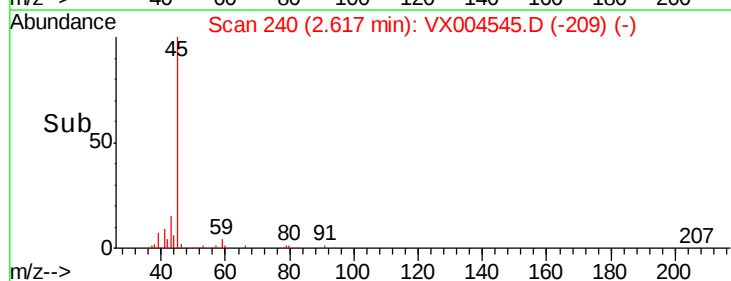
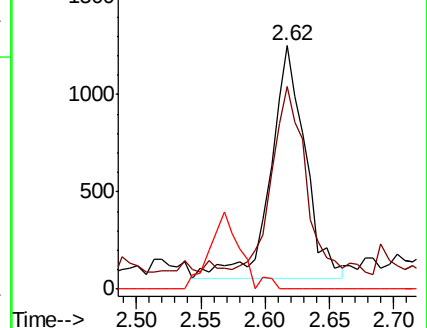
76 0.0 26.7 40.1#

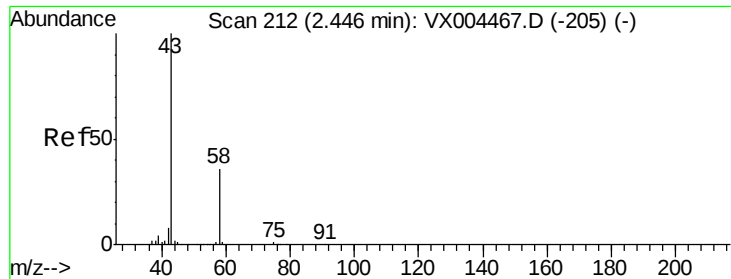


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

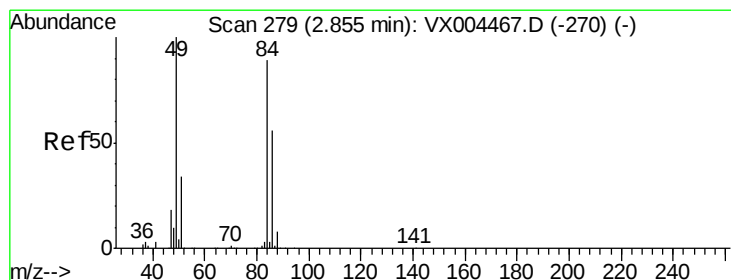
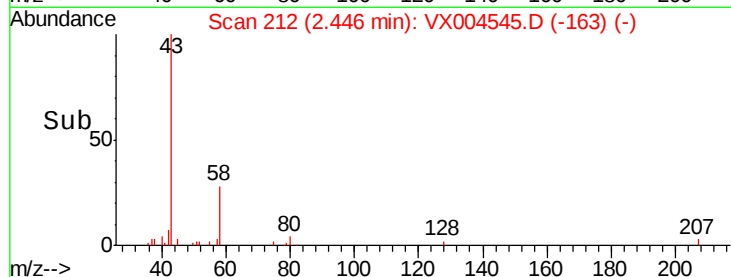
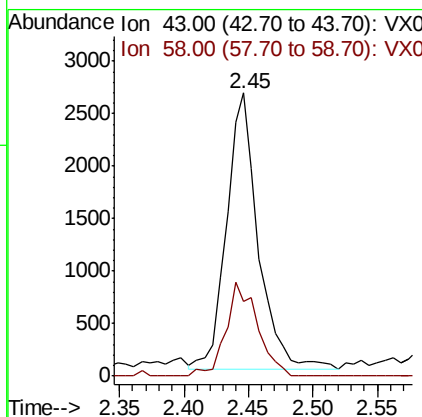
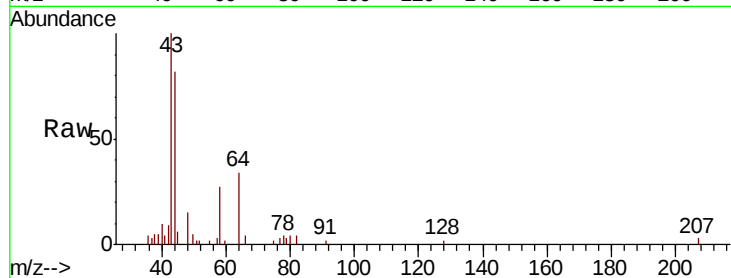




#16
Acetone
Concen: 2.53 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX004545.D
Acq: 14 Sep 2018 17:34

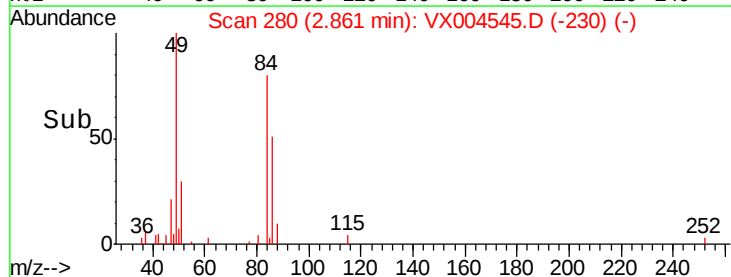
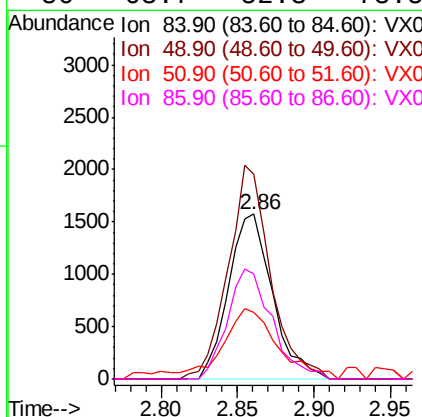
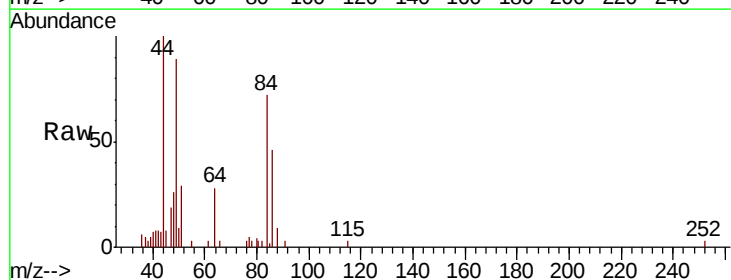
Instrument :
MSVOA_X
ClientSampleId :
BP-TB01-180911

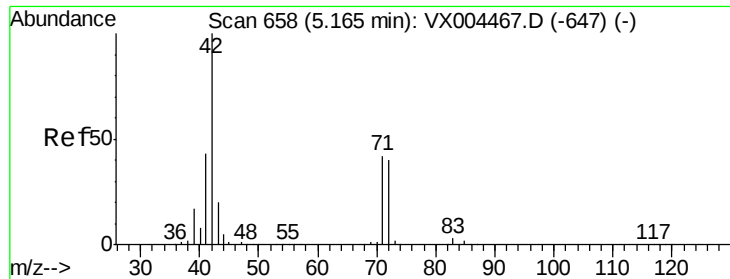
Tot Ion: 43 Resp: 4522
Ion Ratio Lower Upper
43 100
58 27.3 26.2 39.4



#20
Methylene Chloride
Concen: 0.85 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004545.D
Acq: 14 Sep 2018 17:34

Tgt Ion: 84 Resp: 3135
Ion Ratio Lower Upper
84 100
49 124.4 101.2 151.8
51 40.8 29.5 44.3
86 63.7 52.3 78.5





#29

Tetrahydrofuran

Concen: 0.47 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX004545.D

Acq: 14 Sep 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

BP-TB01-180911

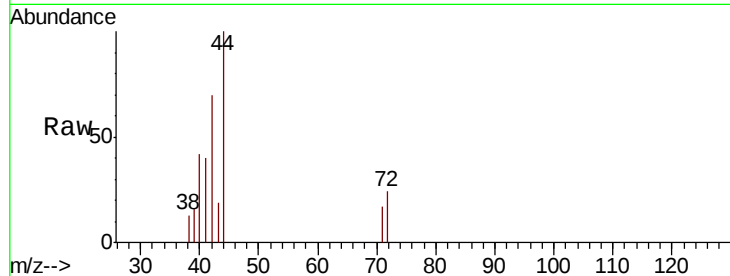
Tot Ion: 42 Resp: 803

Ion Ratio Lower Upper

42 100

72 25.5 37.4 56.0#

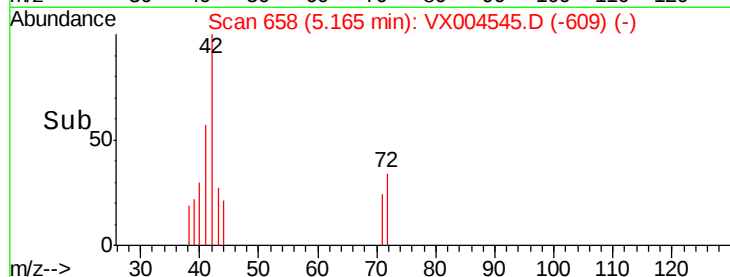
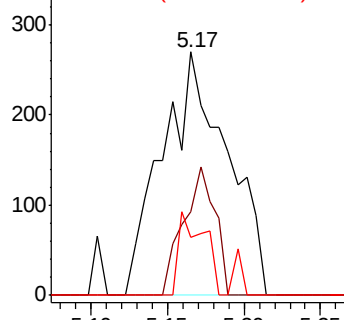
71 13.6 34.5 51.7#



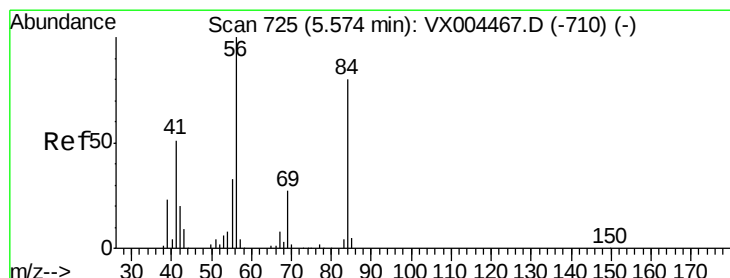
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 0.84 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004545.D

Acq: 14 Sep 2018 17:34

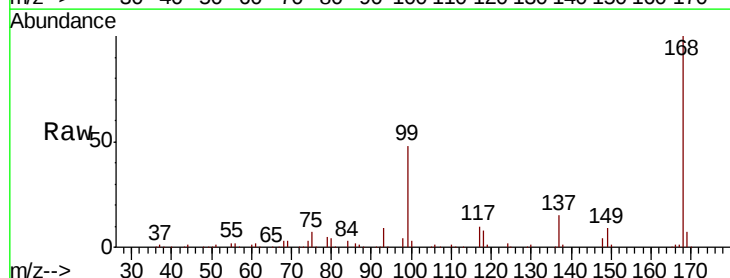
Tgt Ion: 56 Resp: 4473

Ion Ratio Lower Upper

56 100

69 207.1 25.4 38.2#

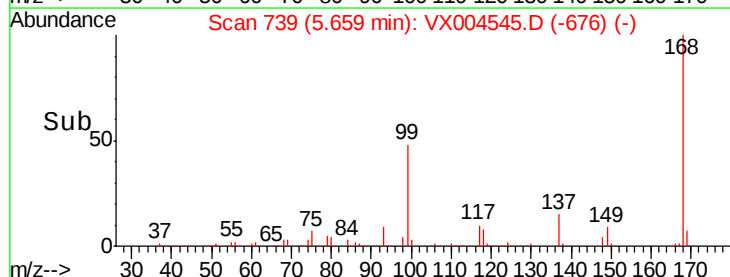
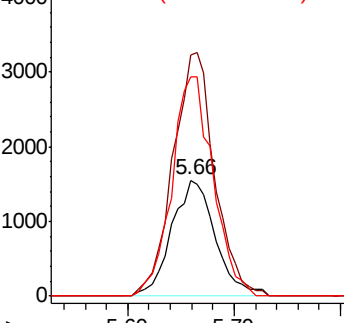
84 189.1 71.4 107.2#

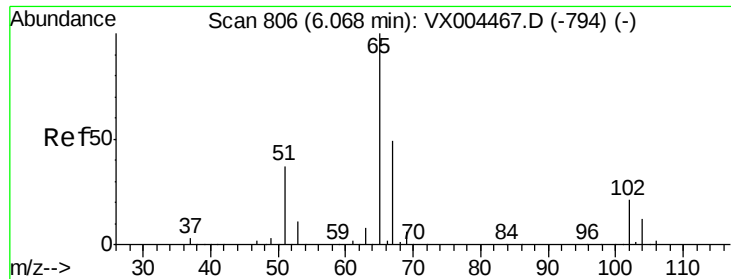


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

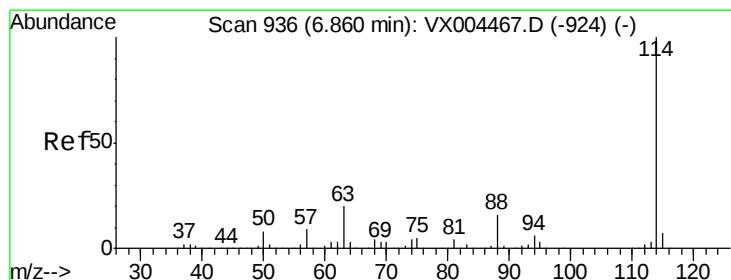
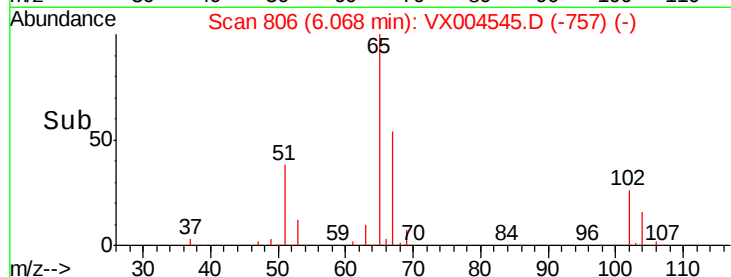
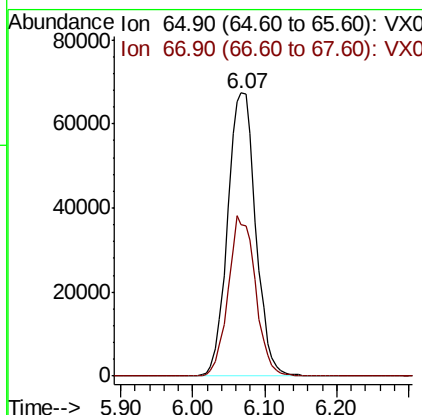
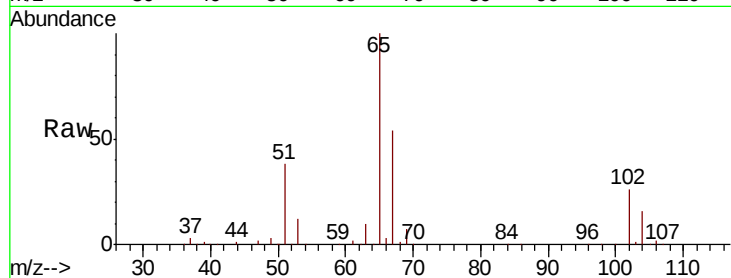




#33
 1,2-Dichloroethane-d4
 Concen: 49.79 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004545.D
 Acq: 14 Sep 2018 17:34

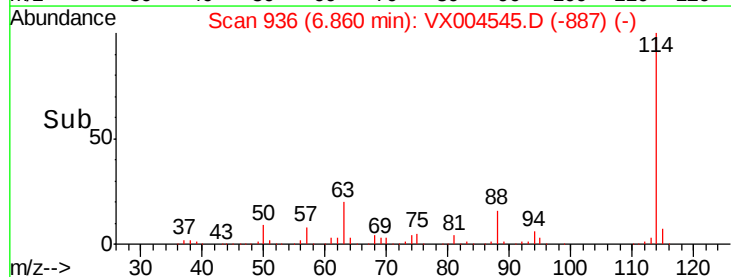
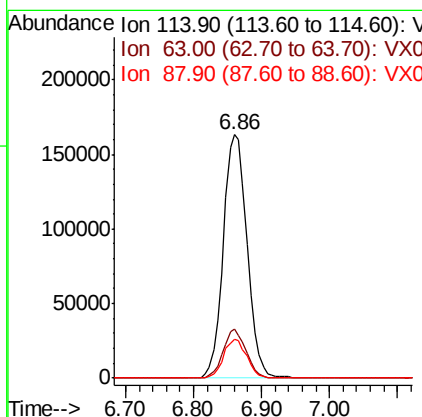
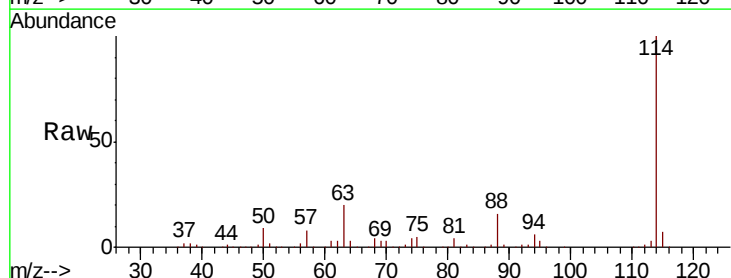
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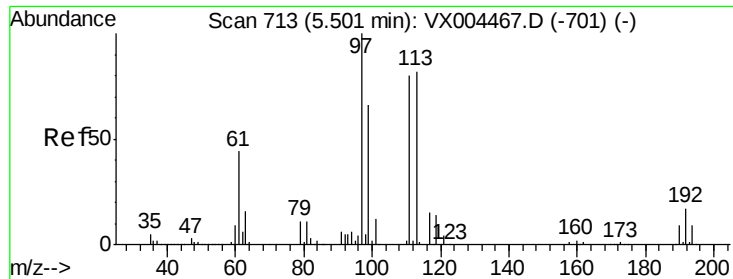
Tot Ion: 65 Resp: 182484
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004545.D
 Acq: 14 Sep 2018 17:34

Tgt Ion: 114 Resp: 394961
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 15.7 0.0 30.4

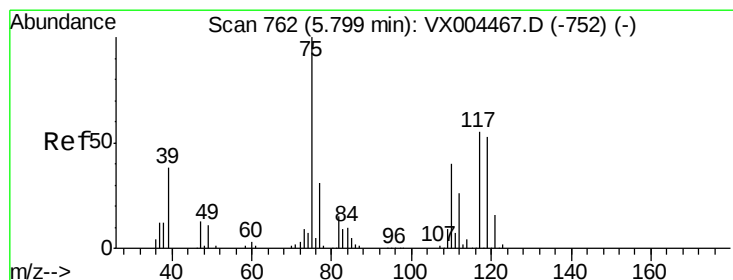
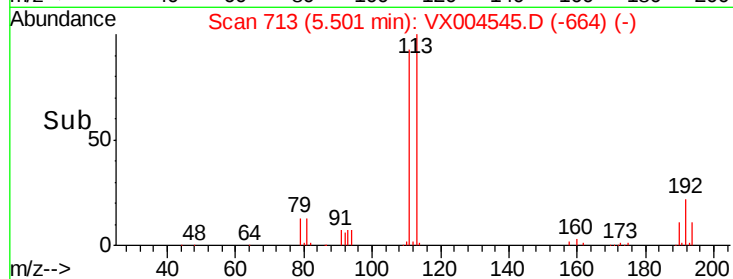
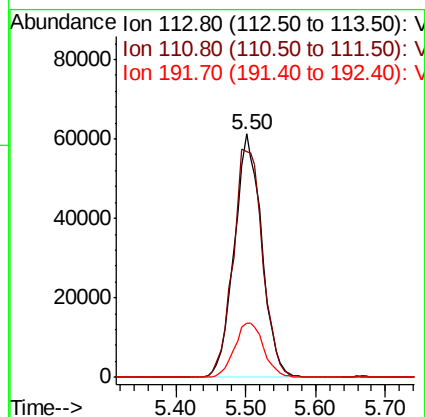
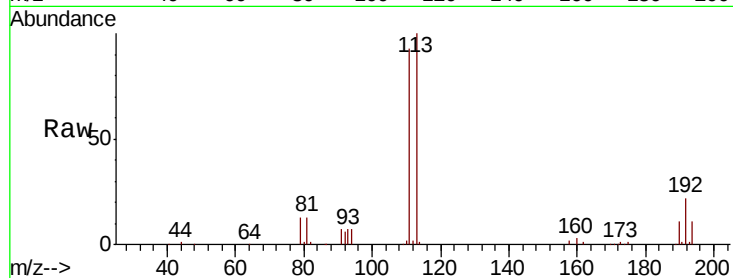




#35
 Dibromofluoromethane
 Concen: 45.96 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004545.D
 Acq: 14 Sep 2018 17:34

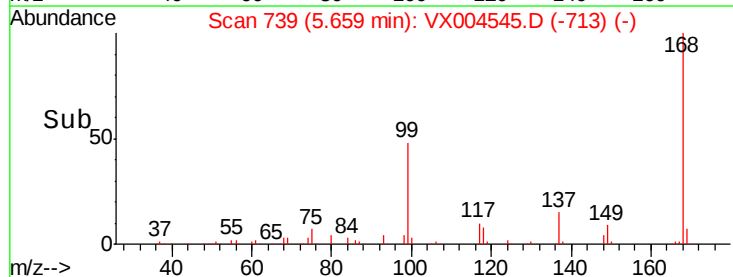
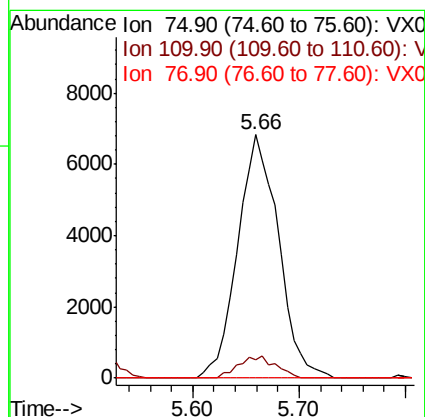
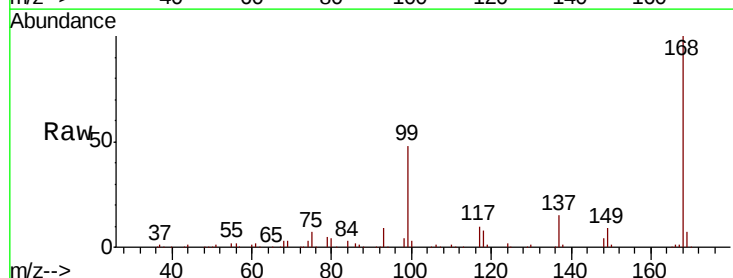
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB01-180911

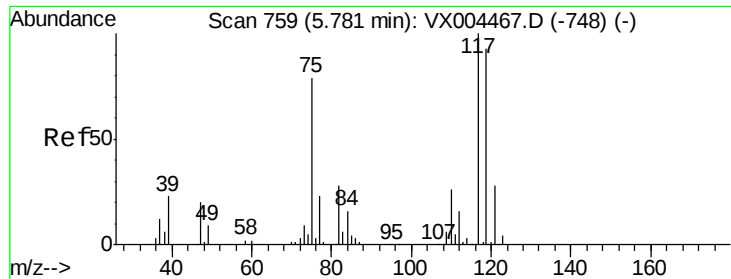
Tot Ion:113 Resp: 166099
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.4 123.6
 192 23.6 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004545.D
 Acq: 14 Sep 2018 17:34

Tgt Ion: 75 Resp: 18365
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.13 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004545.D

Acq: 14 Sep 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

BP-TB01-180911

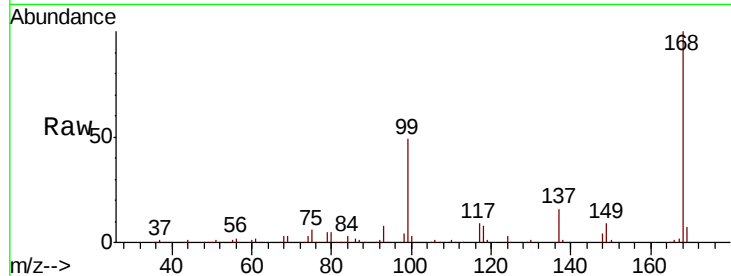
Tot Ion:117 Resp: 24009

Ion Ratio Lower Upper

117 100

119 5.5 78.8 118.2#

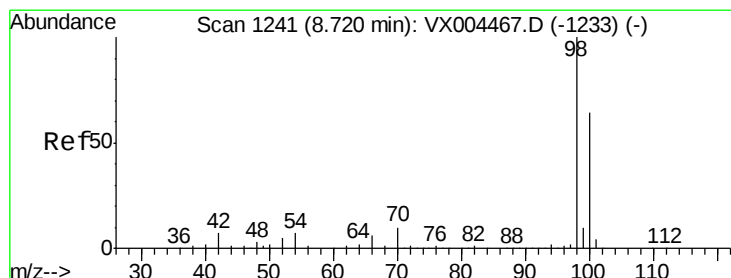
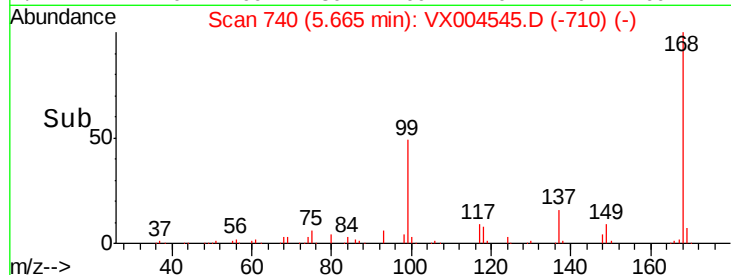
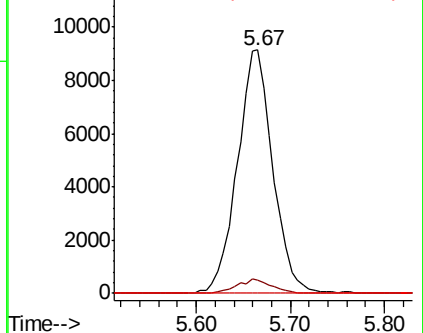
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 47.07 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004545.D

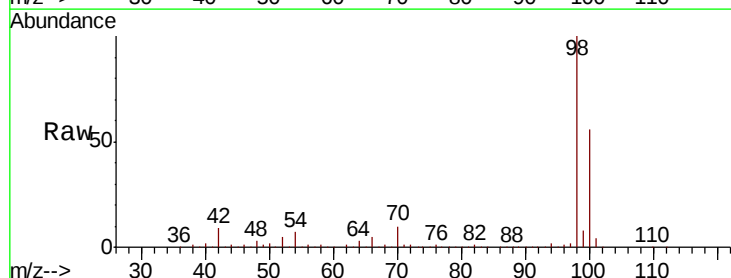
Acq: 14 Sep 2018 17:34

Tgt Ion: 98 Resp: 570545

Ion Ratio Lower Upper

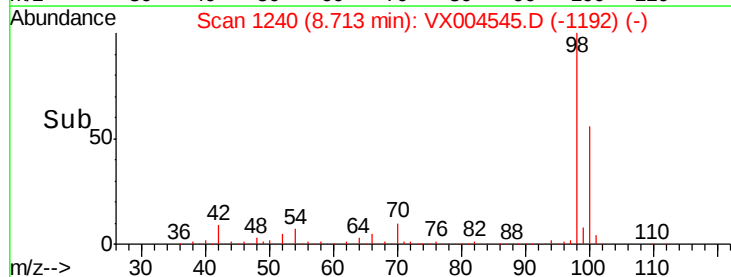
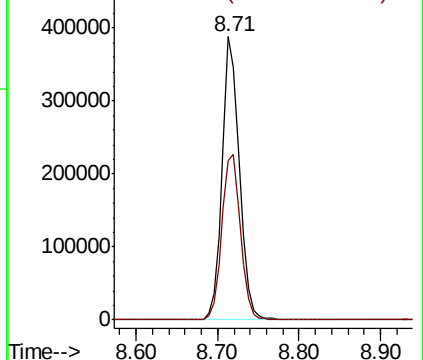
98 100

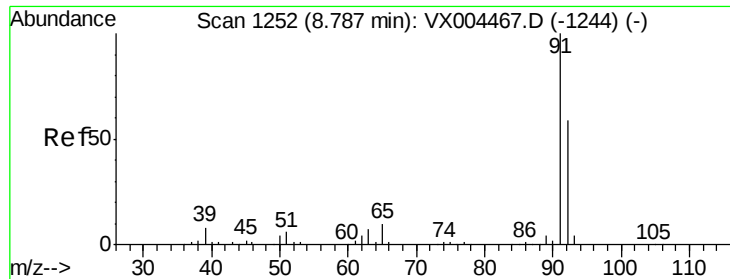
100 63.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.43 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004545.D

Acq: 14 Sep 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

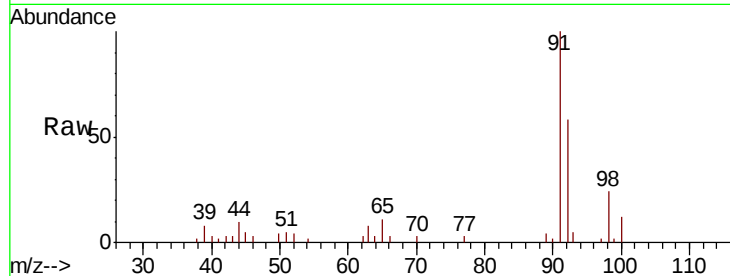
BP-TB01-180911

Tot Ion: 92 Resp: 3621

Ion Ratio Lower Upper

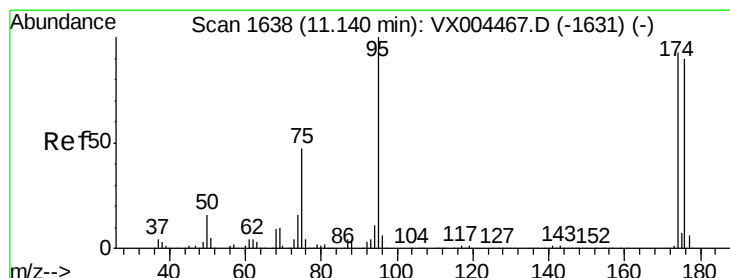
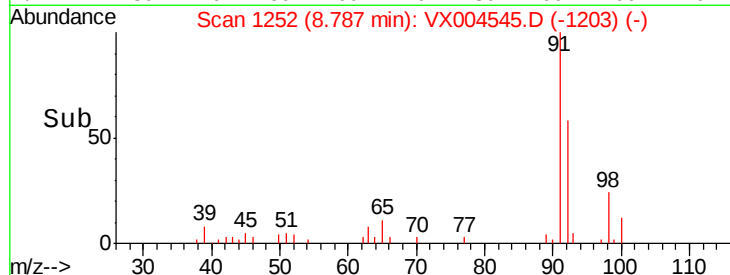
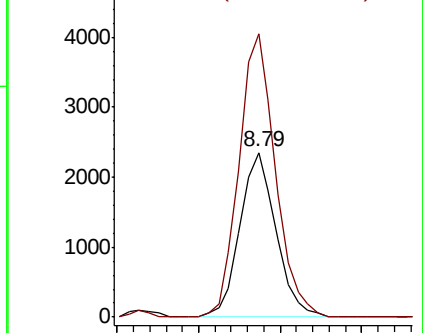
92 100

91 173.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.12 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004545.D

Acq: 14 Sep 2018 17:34

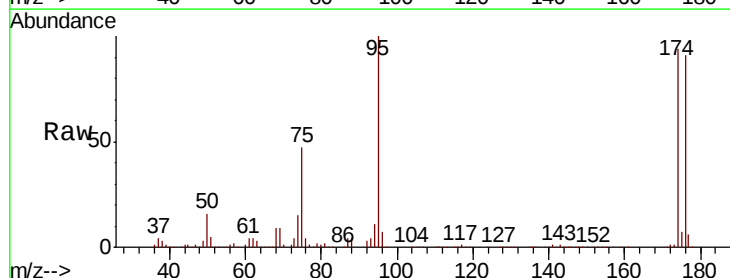
Tgt Ion: 95 Resp: 203885

Ion Ratio Lower Upper

95 100

174 93.4 0.0 185.2

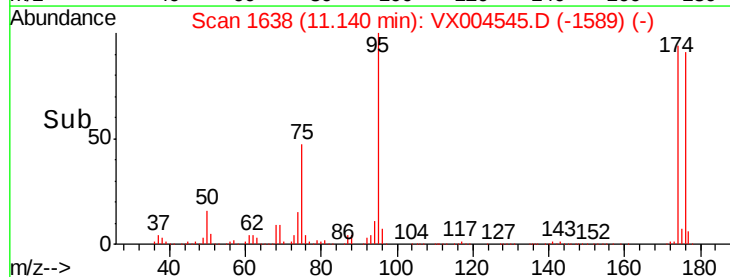
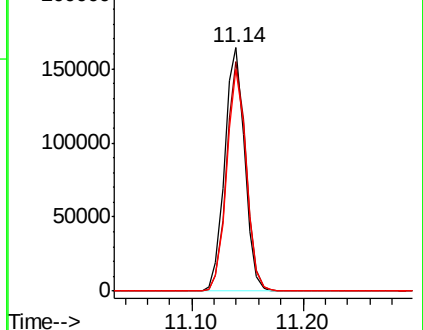
176 89.4 0.0 178.6

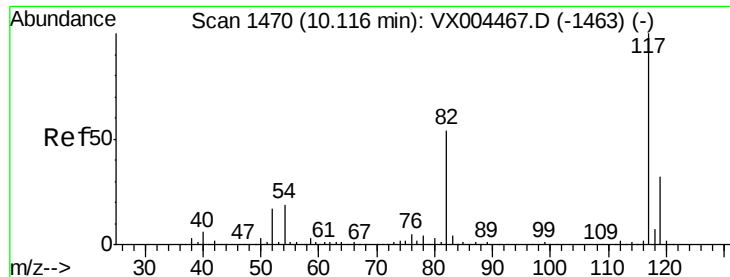


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

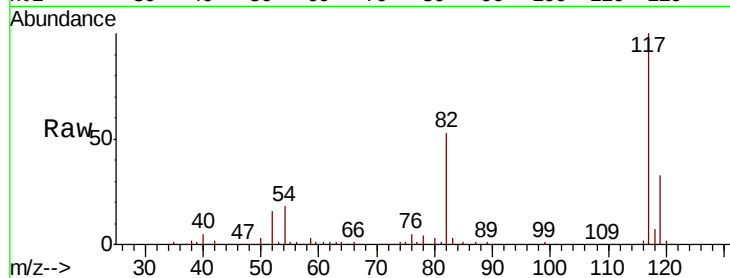




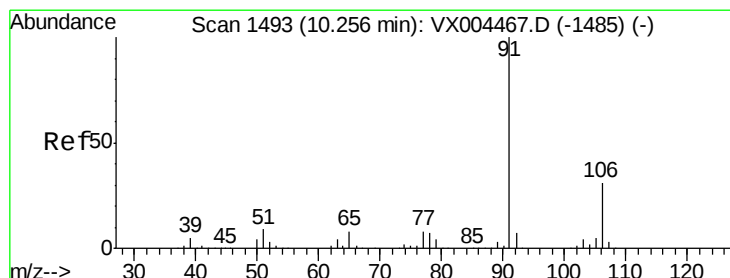
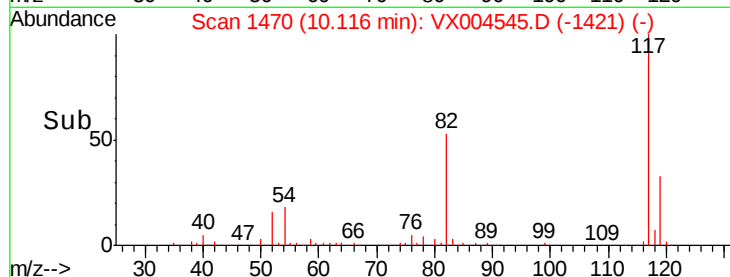
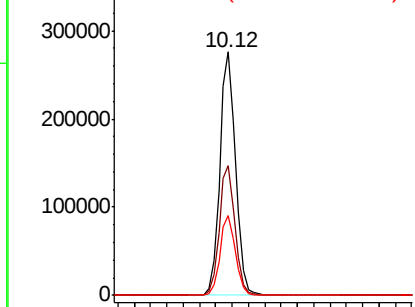
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004545.D
Acq: 14 Sep 2018 17:34

Instrument :
MSVOA_X
ClientSampled :
BP-TB01-180911

Tot Ion:117 Resp: 371922
Ion Ratio Lower Upper
117 100
82 53.3 47.8 71.6
119 32.8 29.3 43.9

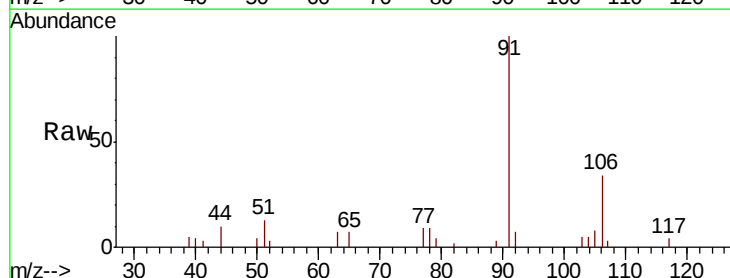


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

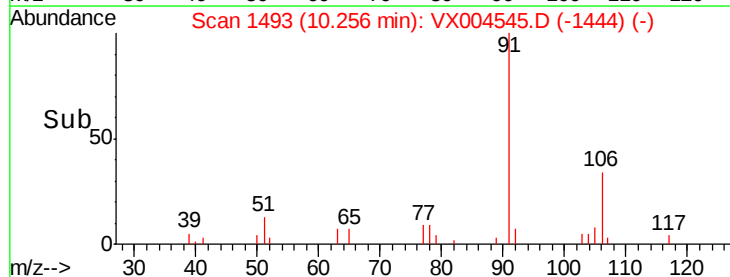
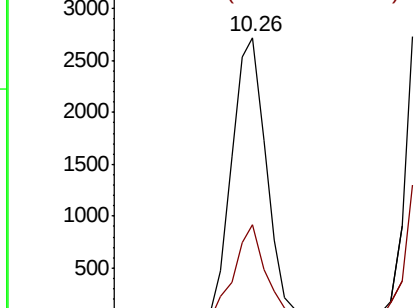


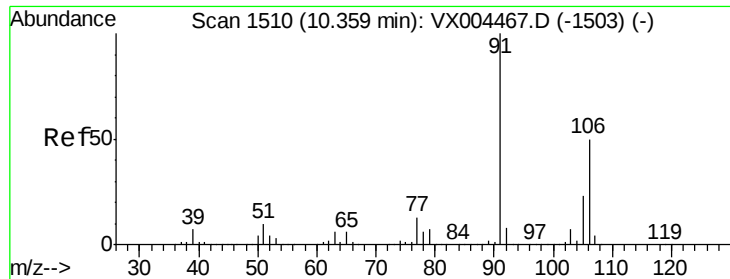
#67
Ethyl Benzene
Concen: 0.25 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004545.D
Acq: 14 Sep 2018 17:34

Tgt Ion: 91 Resp: 3776
Ion Ratio Lower Upper
91 100
106 33.6 25.9 38.9



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

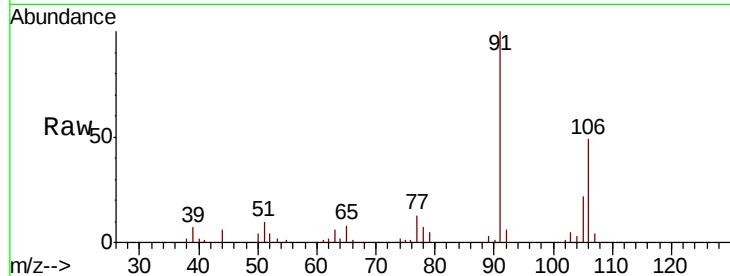




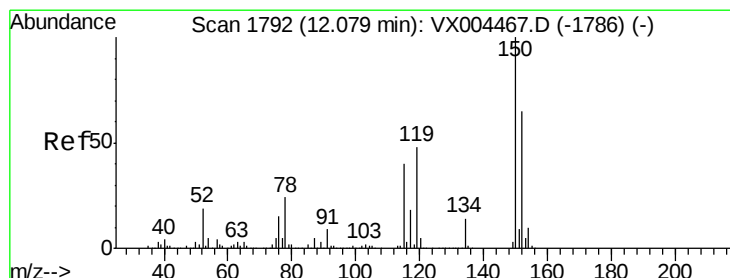
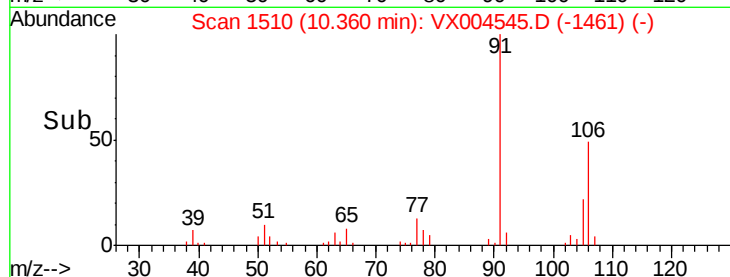
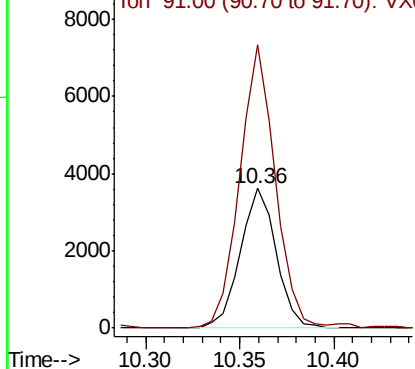
#68
m/p-Xvlenes
Concen: 0.83 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004545.D
Acq: 14 Sep 2018 17:34

Instrument :
MSVOA_X
ClientSampleId :
BP-TB01-180911

Tot Ion:106 Resp: 4803
Ion Ratio Lower Upper
106 100
91 200.5 157.1 235.7

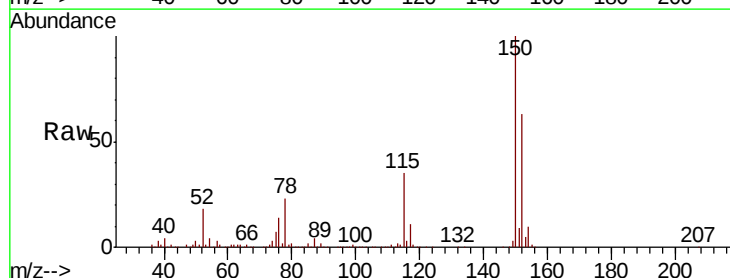


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

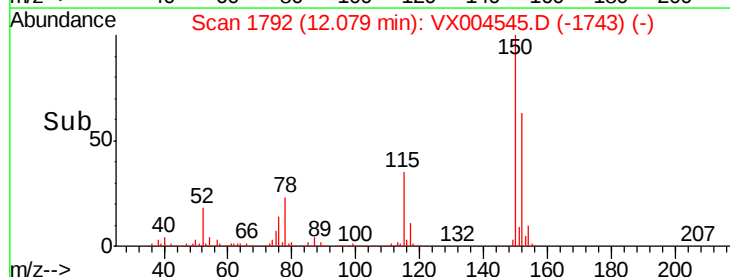
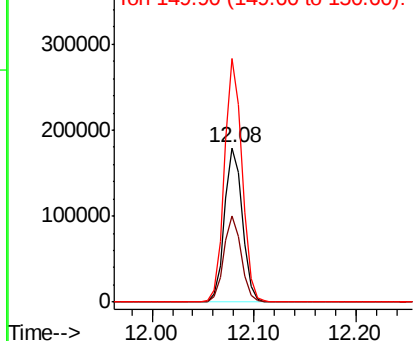


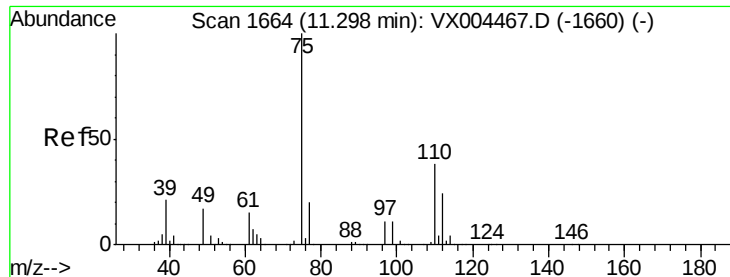
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004545.D
Acq: 14 Sep 2018 17:34

Tgt Ion:152 Resp: 217335
Ion Ratio Lower Upper
152 100
115 54.8 39.0 117.0
150 156.2 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: 21.93 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004545.D

Acq: 14 Sep 2018 17:34

Instrument :

MSVOA_X

ClientSampleId :

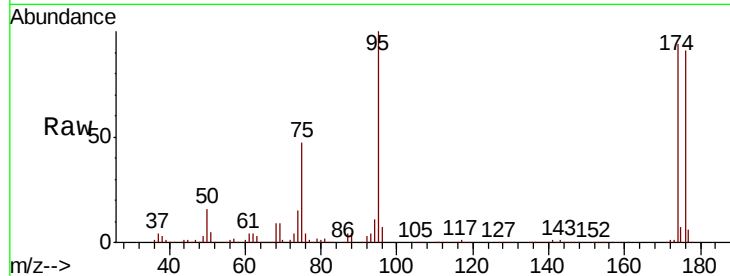
BP-TB01-180911

Tot Ion: 75 Resp: 95881

Ion Ratio Lower Upper

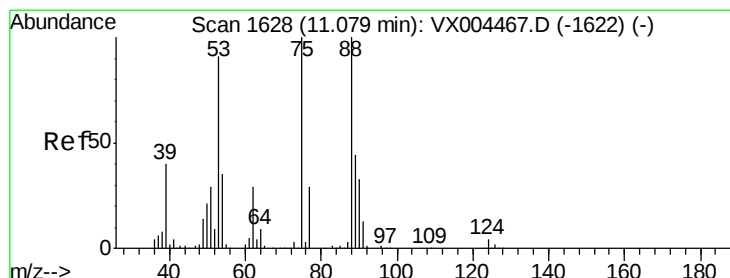
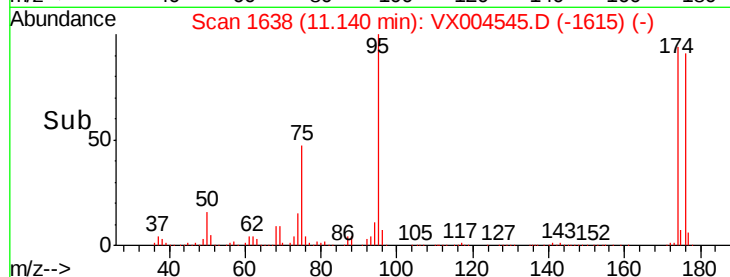
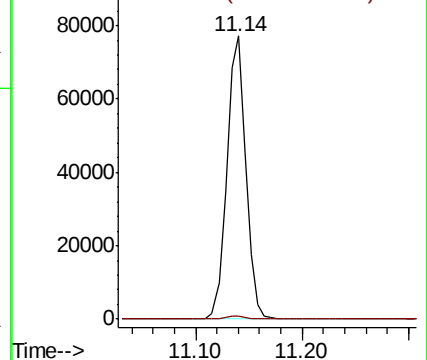
75 100

77 1.3 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: 69.89 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004545.D

Acq: 14 Sep 2018 17:34

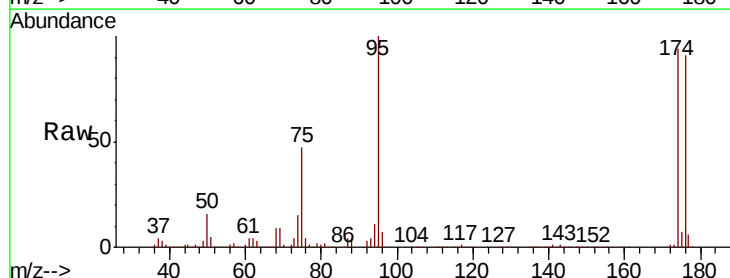
Tgt Ion: 75 Resp: 95881

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

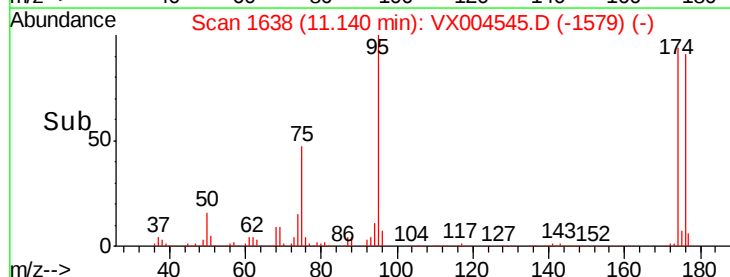
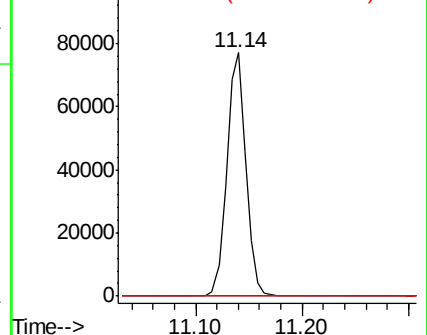
89 0.0 37.2 55.8#

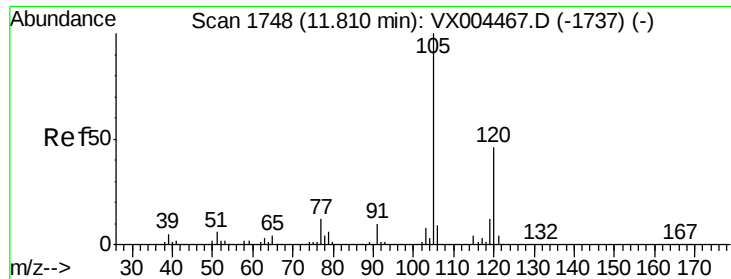


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

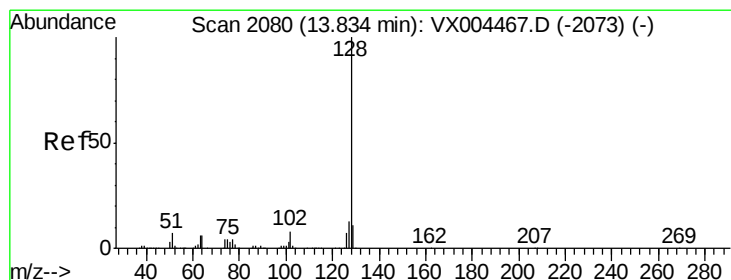
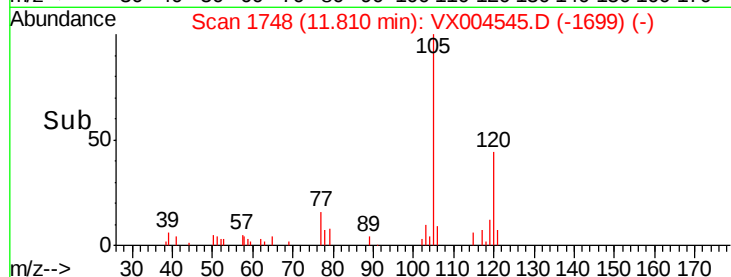
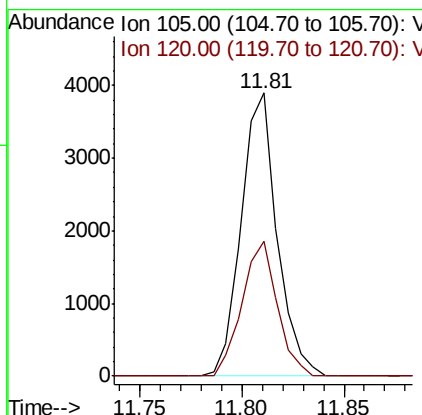
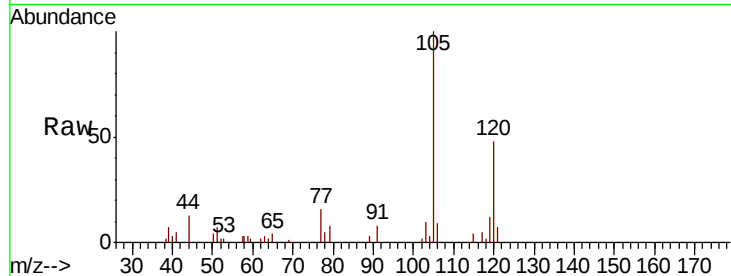




#84
 1,2,4-Trimethylbenzene
 Concen: 0.39 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004545.D
 Acq: 14 Sep 2018 17:34

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TB01-180911

Tot Ion:105 Resp: 4757
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.2 69.6



#95
 Naphthalene
 Concen: 6.27 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX004545.D
 Acq: 14 Sep 2018 17:34

Tgt Ion:128 Resp: 93076
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.2 15.2
 129 11.2 8.6 12.8

