

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\
 Data File : VX004413.D
 Acq On : 07 Sep 2018 17:52
 Operator : JC/MD
 Sample : J4812-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Quant Time: Sep 08 03:23:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	291219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	473695	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	452930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262549	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	209786	55.27	ug/l	0.00
Spiked Amount			Recovery	=	110.54%	
35) Dibromofluoromethane	5.50	113	183792	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
50) Toluene-d8	8.71	98	676494	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.14	95	244989	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	

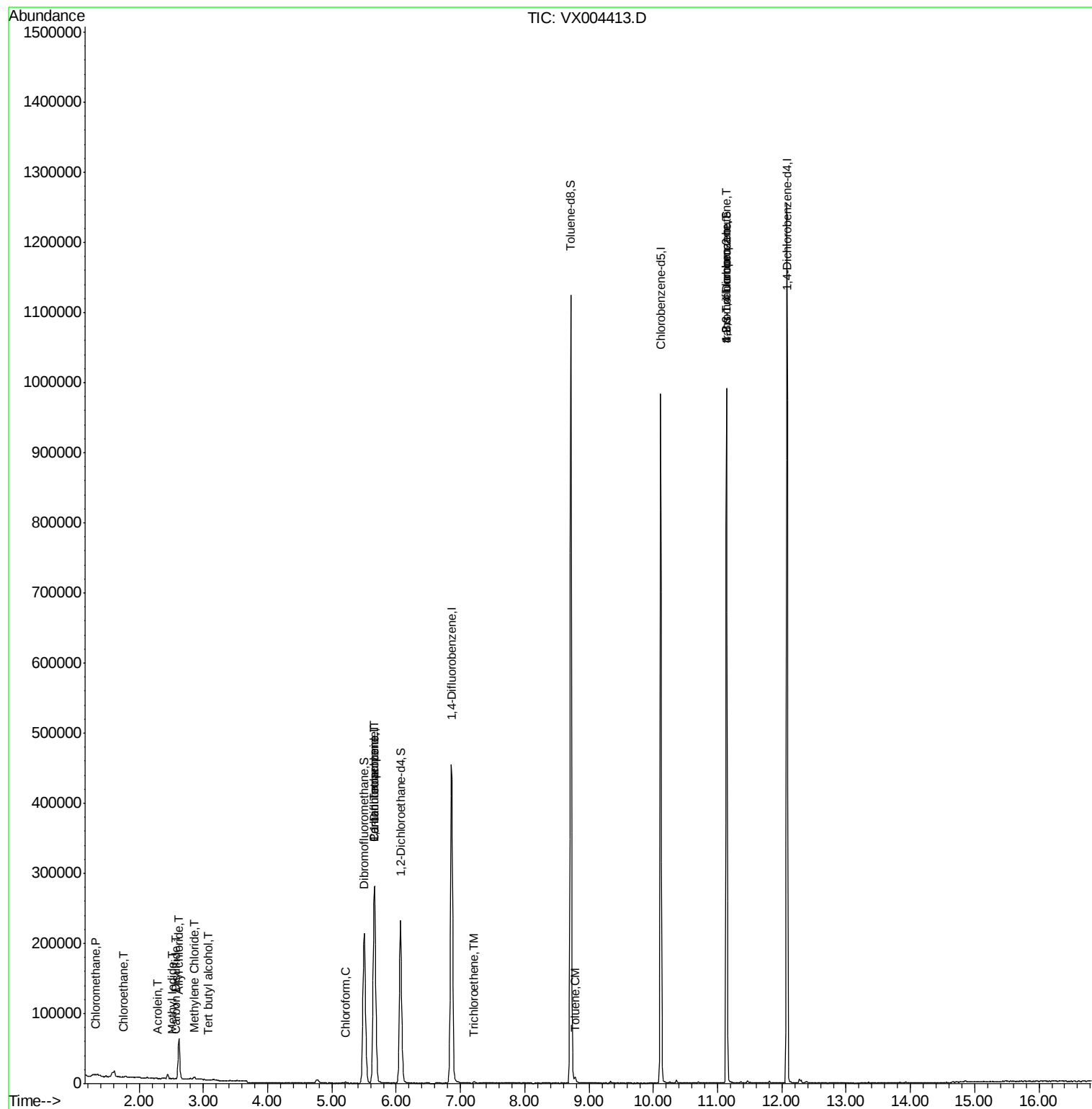
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	928	0.54	ug/l	98
5) Bromomethane	1.64	94	1186	Below Cal		93
6) Chloroethane	1.76	64	7935	3.55	ug/l #	52
10) Methyl Iodide	2.51	142	699	4.44	ug/l #	80
11) Tert butyl alcohol	3.07	59	288	0.36	ug/l #	91
13) Acrolein	2.29	56	244	1.25	ug/l #	16
14) Allyl chloride	2.62	41	5662	1.00	ug/l #	65
16) Acetone	2.45	43	7083	Below Cal		95
17) Carbon Disulfide	2.57	76	877	0.90	ug/l #	78
20) Methylene Chloride	2.85	84	1286	0.35	ug/l #	88
25) 2-Butanone	4.70	43	699	Below Cal	#	47
30) Chloroform	5.21	83	1674	0.27	ug/l	98
36) 1,1-Dichloropropene	5.65	75	19282	3.62	ug/l #	49
38) Carbon Tetrachloride	5.67	117	25981	5.19	ug/l #	16
44) Trichloroethene	7.21	130	1080	0.25	ug/l	96
52) Toluene	8.79	92	2406	0.24	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	115359	21.60	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	115359	70.10	ug/l #	10
94) Hexachlorobutadiene	13.78	225	202	Below Cal	#	58

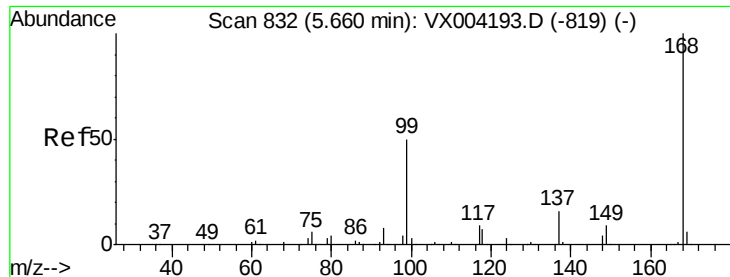
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090718\
Data File : VX004413.D
Acq On : 07 Sep 2018 17:52
Operator : JC/MD
Sample : J4812-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Quant Time: Sep 08 03:23:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

Instrument :

MSVOA_X

ClientSampleId :

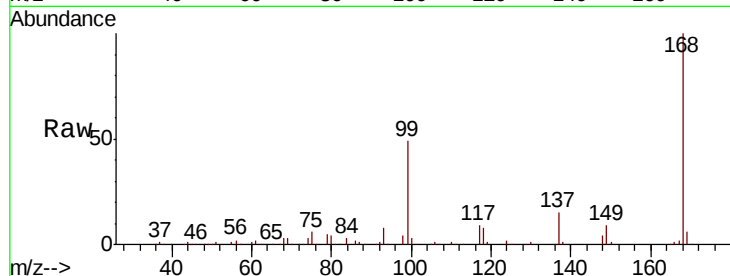
MW-11

Tot Ion:168 Resp: 291219

Ion Ratio Lower Upper

168 100

99 49.5 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

120000

100000

80000

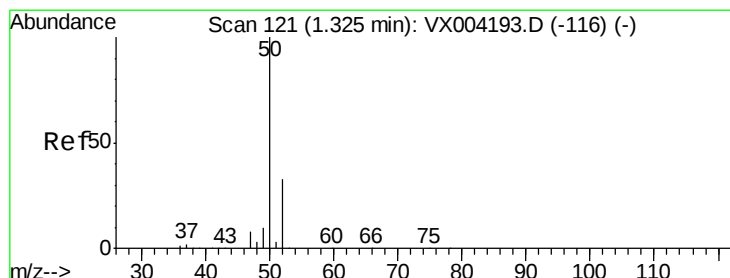
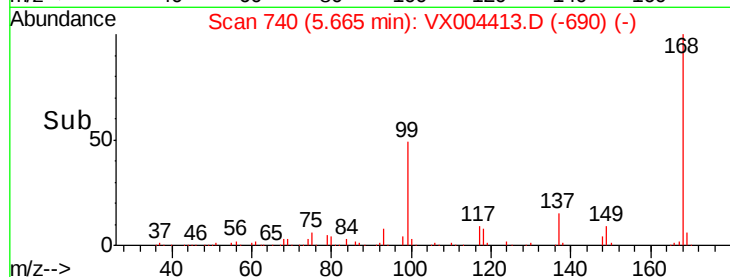
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.54 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004413.D

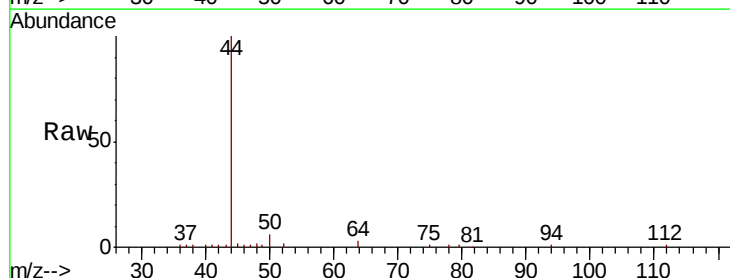
Acq: 07 Sep 2018 17:52

Tgt Ion: 50 Resp: 928

Ion Ratio Lower Upper

50 100

52 33.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

800

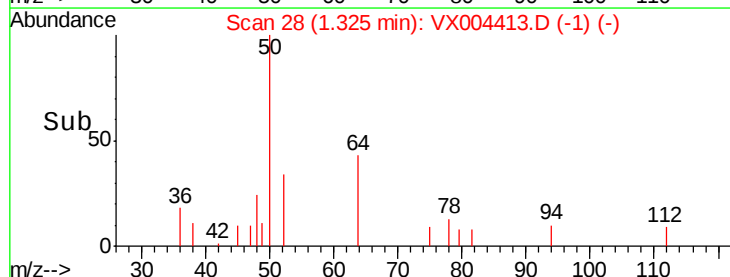
600

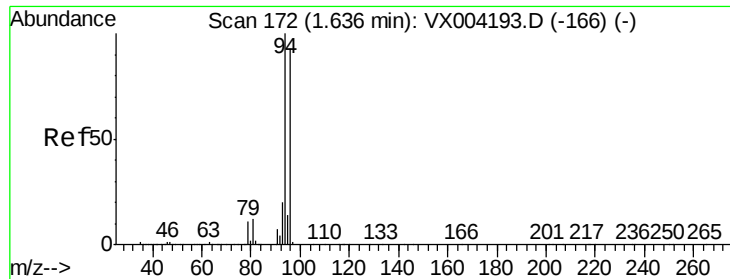
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

Instrument :

MSVOA_X

ClientSampled :

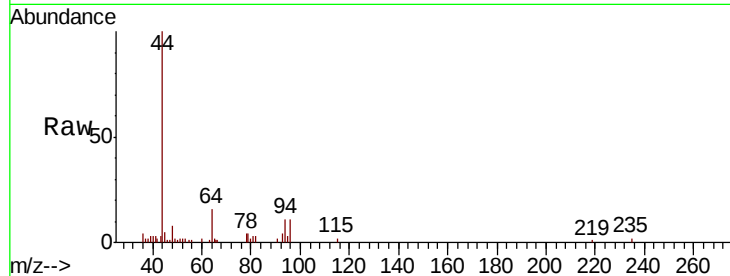
MW-11

Tot Ion: 94 Resp: 1186

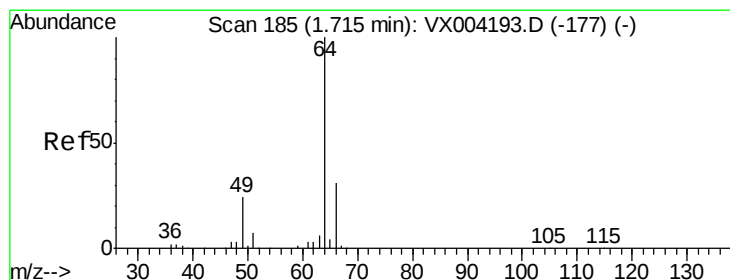
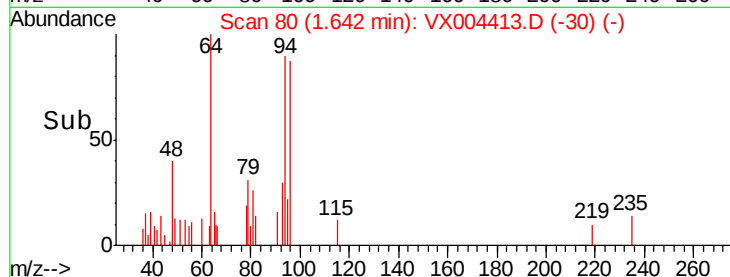
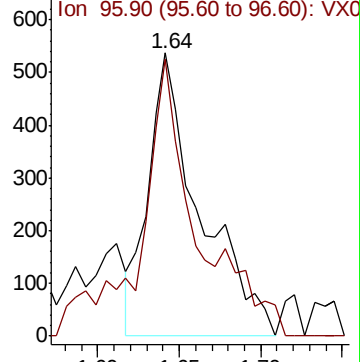
Ion Ratio Lower Upper

94 100

96 86.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 3.55 ug/l

RT: 1.76 min Scan# 99

Delta R.T. 0.04 min

Lab File: VX004413.D

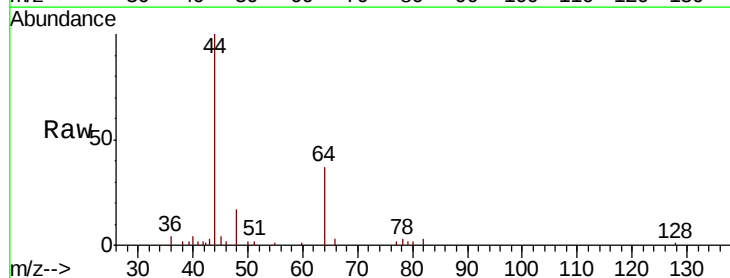
Acq: 07 Sep 2018 17:52

Tgt Ion: 64 Resp: 7935

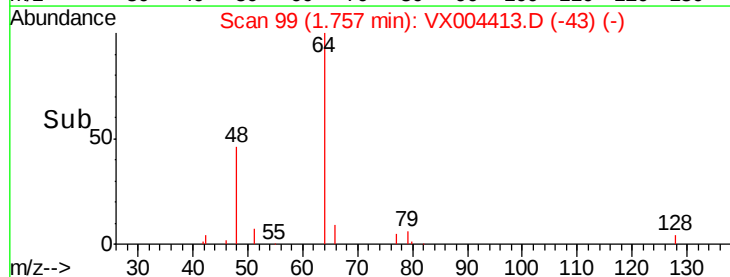
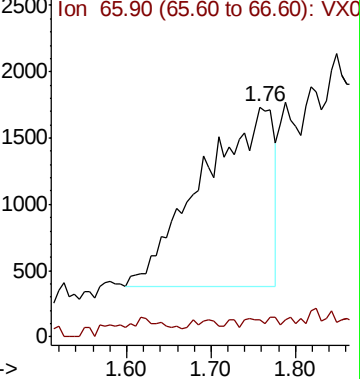
Ion Ratio Lower Upper

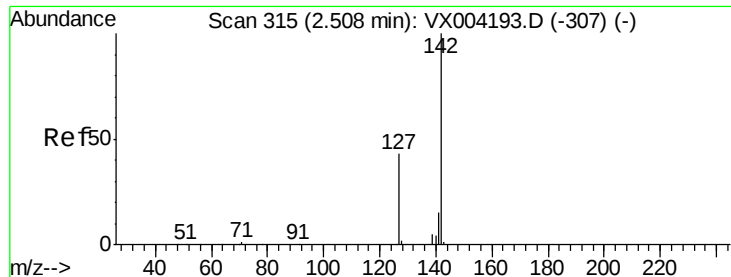
64 100

66 4.2 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

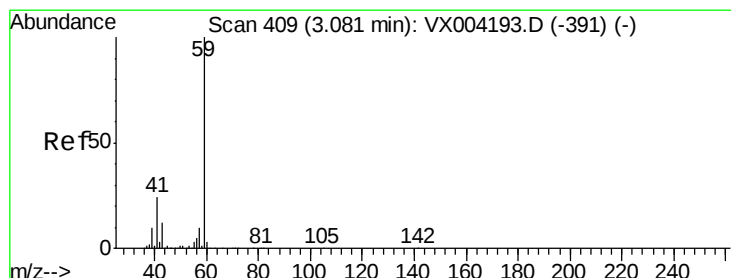
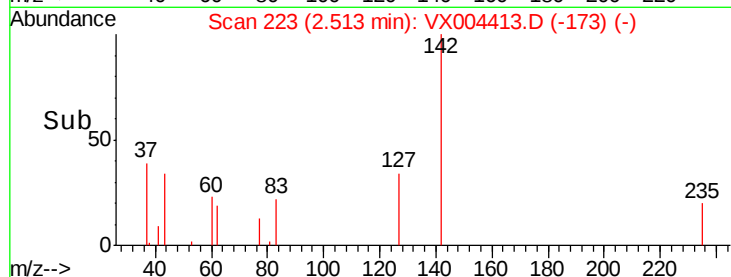
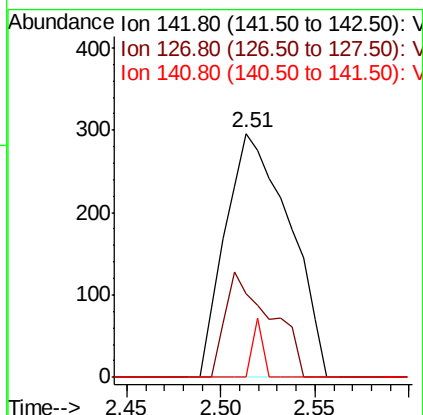
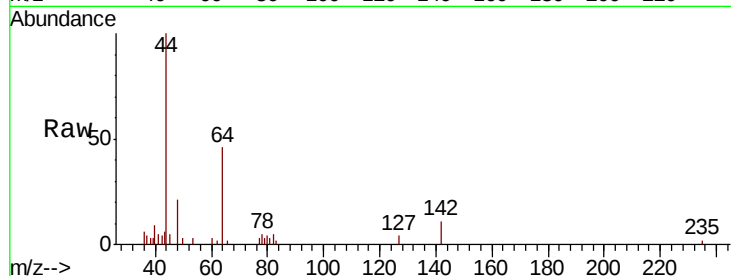




#10
Methvl Iodide
Concen: 4.44 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004413.D
Acq: 07 Sep 2018 17:52

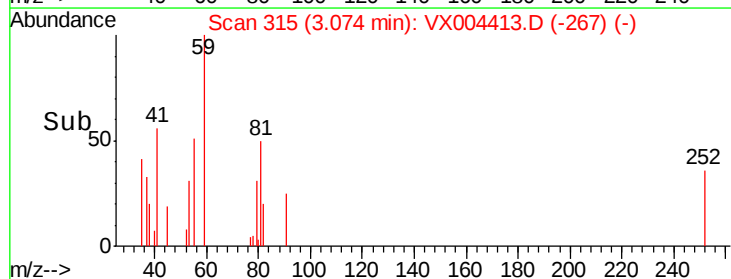
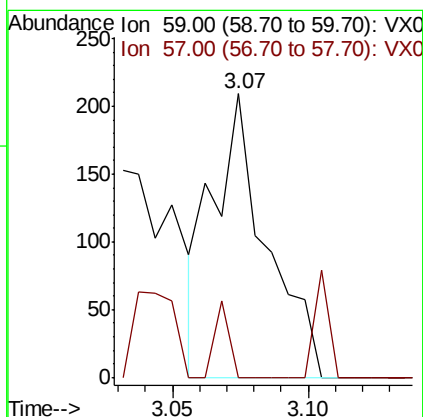
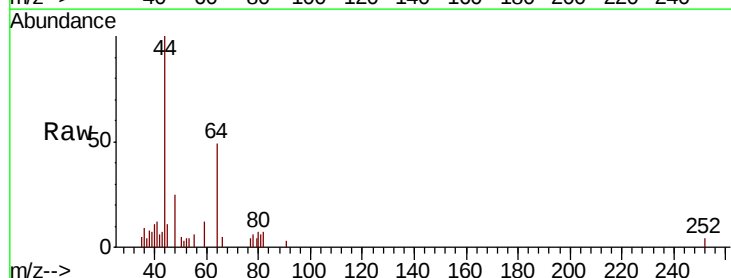
Instrument :
MSVOA_X
ClientSampleId :
MW-11

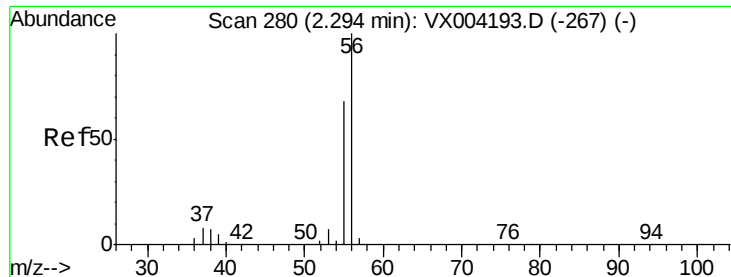
Tot Ion:142 Resp: 699
Ion Ratio Lower Upper
142 100
127 30.8 33.8 50.6#
141 3.7 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.36 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004413.D
Acq: 07 Sep 2018 17:52

Tgt Ion: 59 Resp: 288
Ion Ratio Lower Upper
59 100
57 6.9 8.2 12.4#





#13

Acrolein

Concen: 1.25 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

Instrument :

MSVOA_X

ClientSampled :

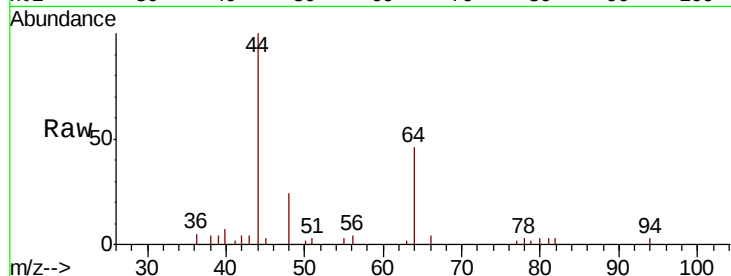
MW-11

Tot Ion: 56 Resp: 244

Ion Ratio Lower Upper

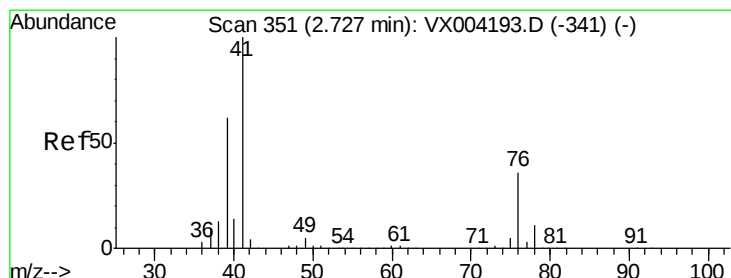
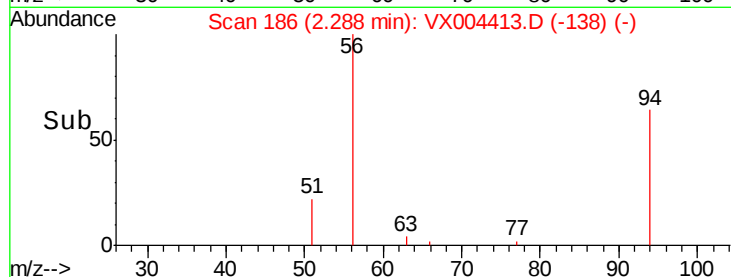
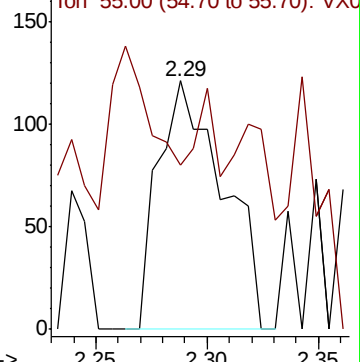
56 100

55 0.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.00 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.11 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

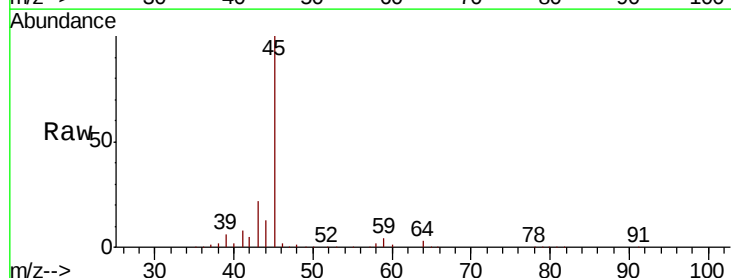
Tgt Ion: 41 Resp: 5662

Ion Ratio Lower Upper

41 100

39 77.7 48.9 73.3#

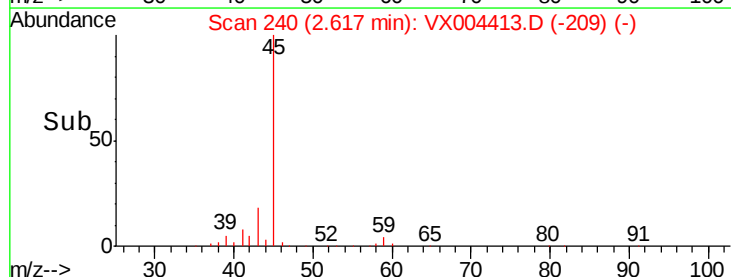
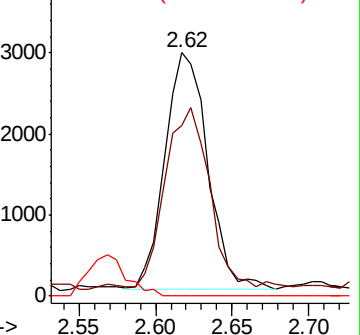
76 0.0 26.7 40.1#

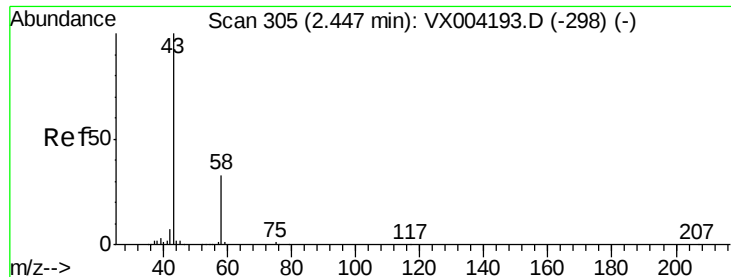


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

Instrument :

MSVOA_X

ClientSampleId :

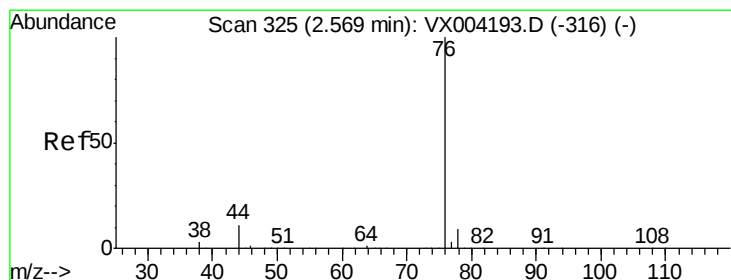
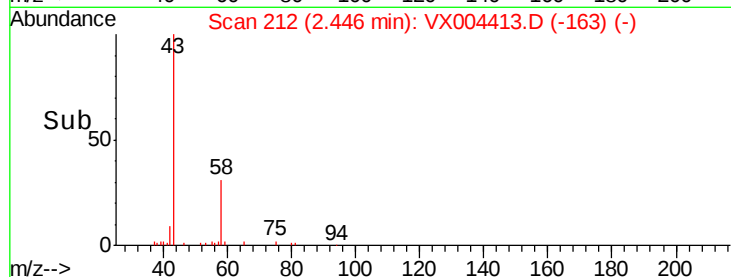
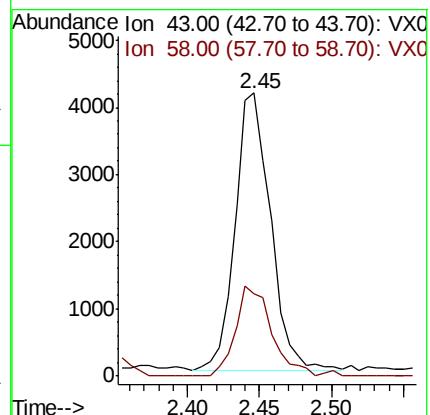
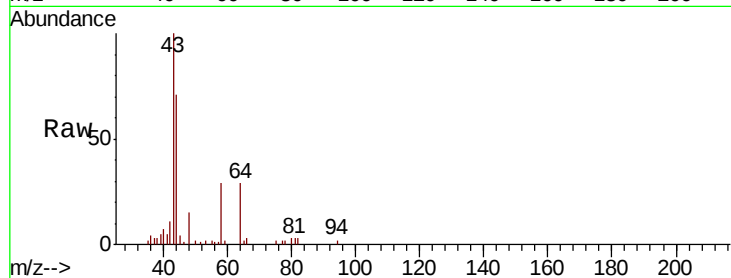
MW-11

Tot Ion: 43 Resp: 7083

Ion Ratio Lower Upper

43 100

58 29.7 26.2 39.4



#17

Carbon Disulfide

Concen: 0.90 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004413.D

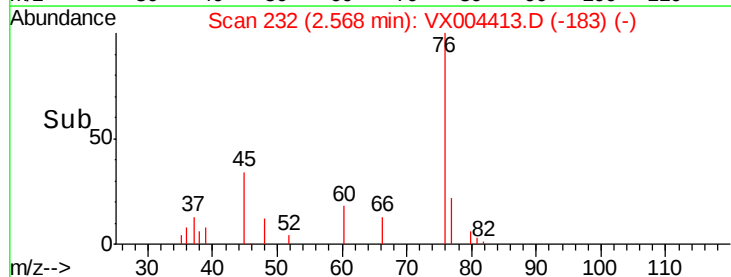
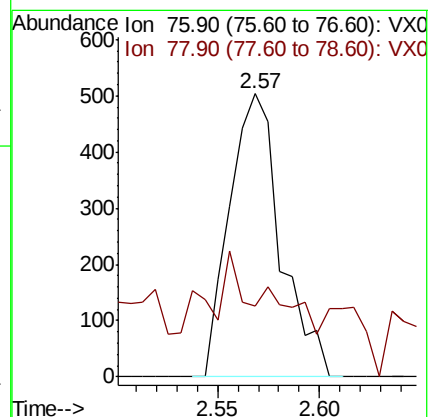
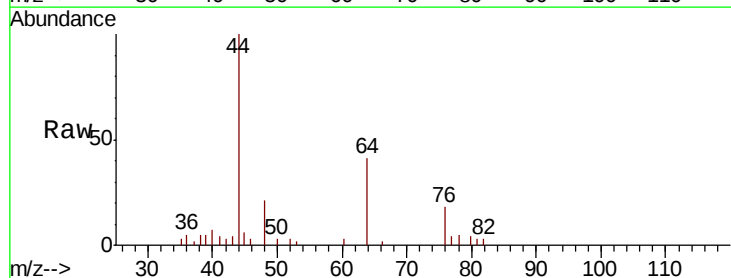
Acq: 07 Sep 2018 17:52

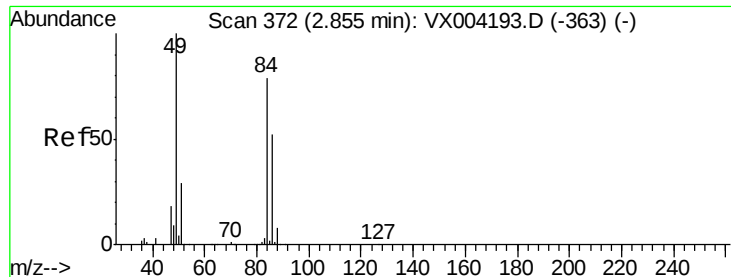
Tgt Ion: 76 Resp: 877

Ion Ratio Lower Upper

76 100

78 0.8 7.0 10.6#





#20

Methylene Chloride

Concen: 0.35 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

Instrument :

MSVOA_X

ClientSampled :

MW-11

Tot Ion: 84 Resp: 1286

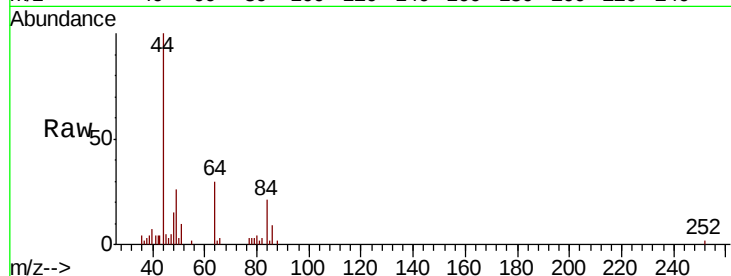
Ion Ratio Lower Upper

84 100

49 119.2 101.2 151.8

51 36.0 29.5 44.3

86 43.3 52.3 78.5#

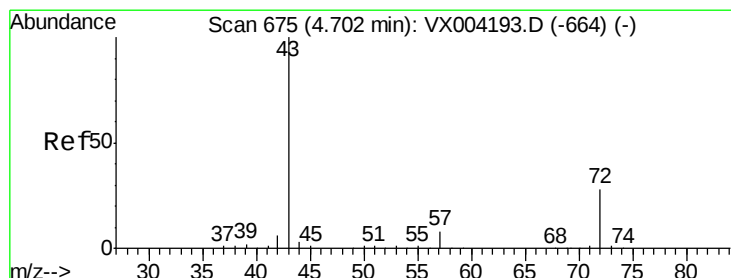
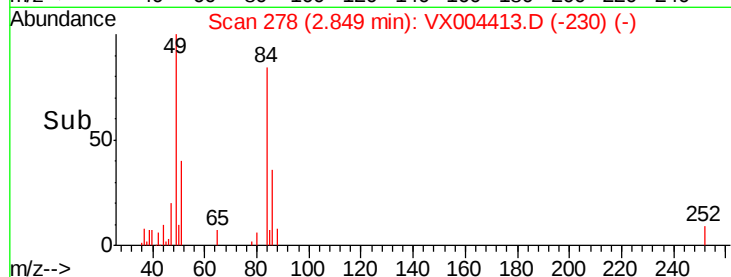
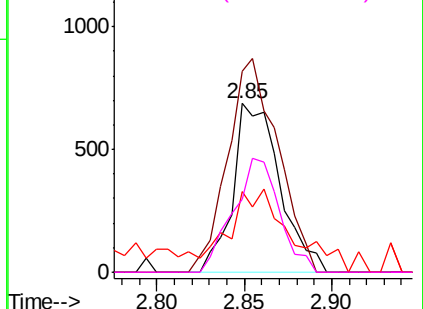


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: Below Cal

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004413.D

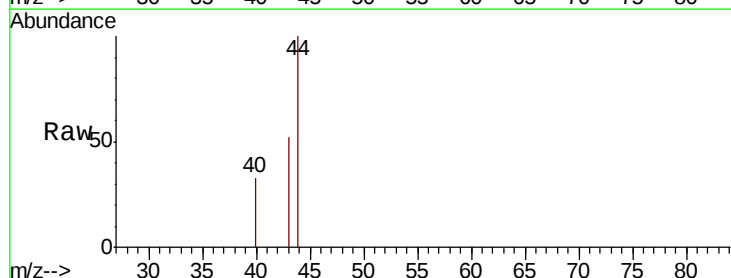
Acq: 07 Sep 2018 17:52

Tgt Ion: 43 Resp: 699

Ion Ratio Lower Upper

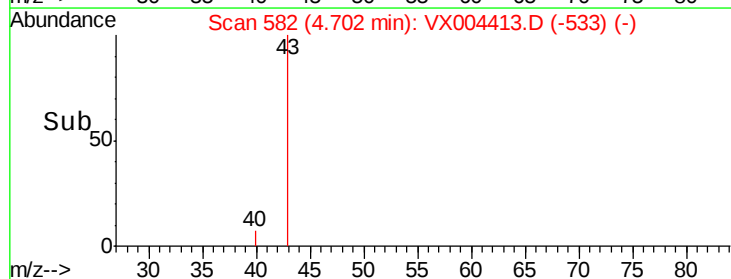
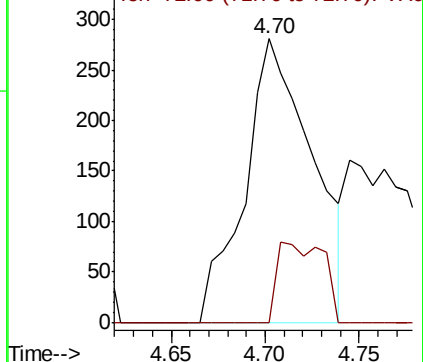
43 100

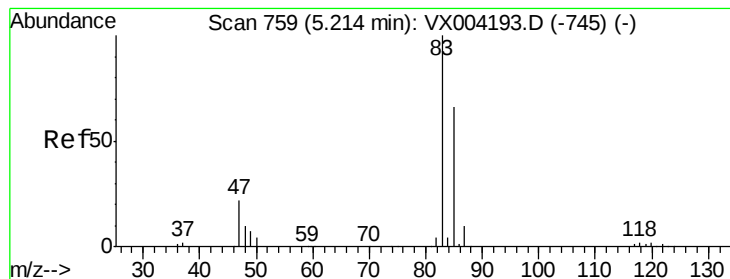
72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#30

Chloroform

Concen: 0.27 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

Instrument :

MSVOA_X

ClientSampleId :

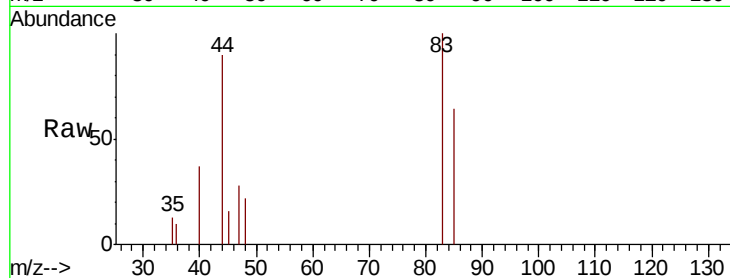
MW-11

Tot Ion: 83 Resp: 1674

Ion Ratio Lower Upper

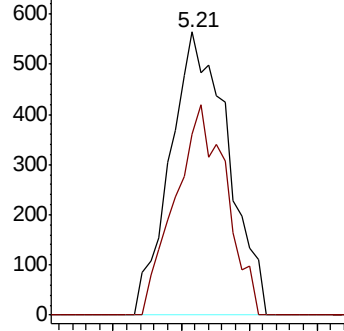
83 100

85 63.8 52.6 79.0

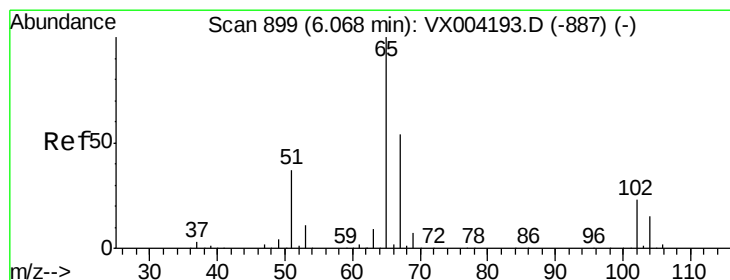
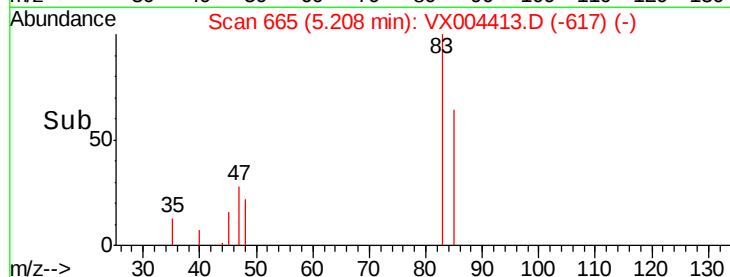


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.27 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004413.D

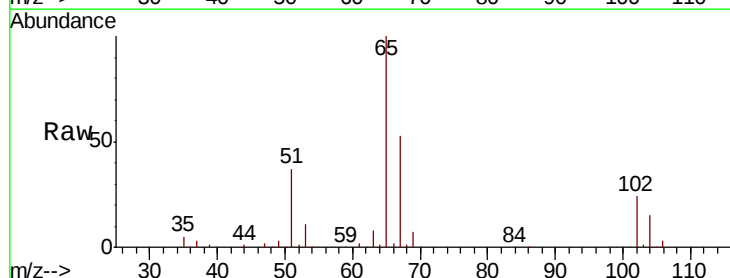
Acq: 07 Sep 2018 17:52

Tgt Ion: 65 Resp: 209786

Ion Ratio Lower Upper

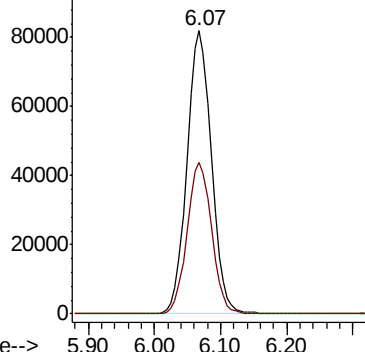
65 100

67 53.8 0.0 106.8

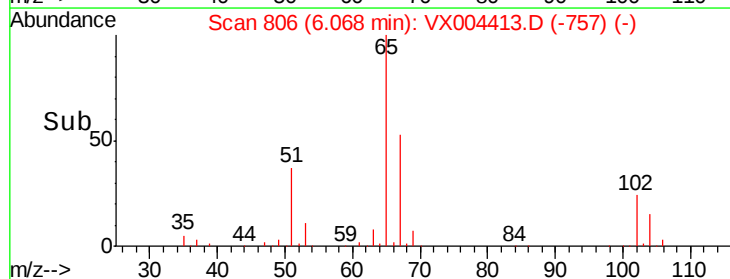


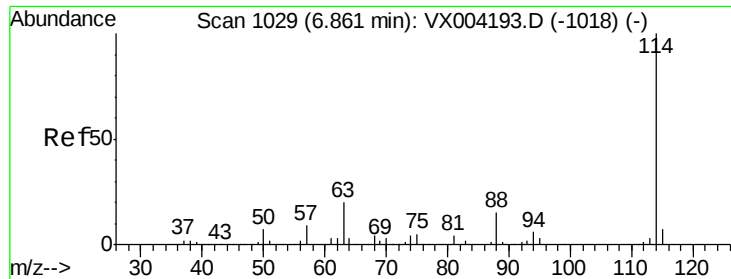
Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->

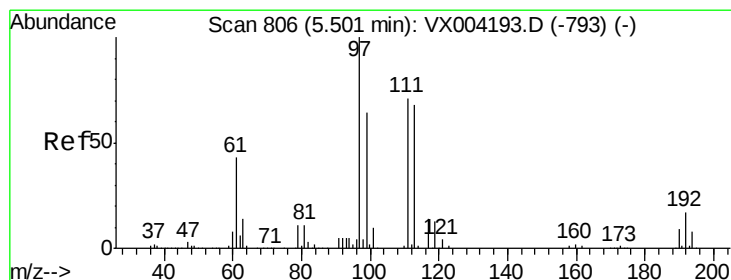
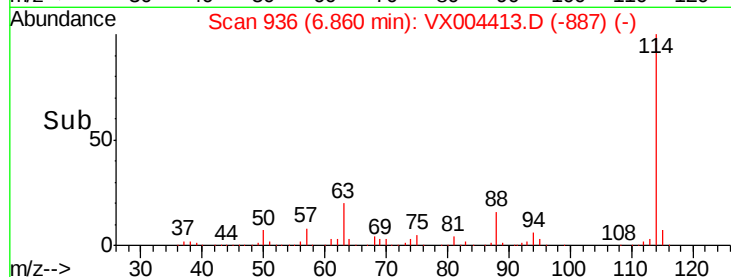
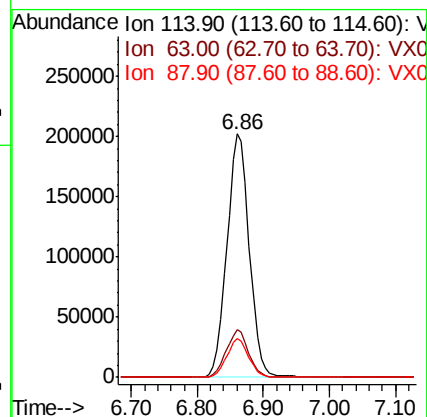
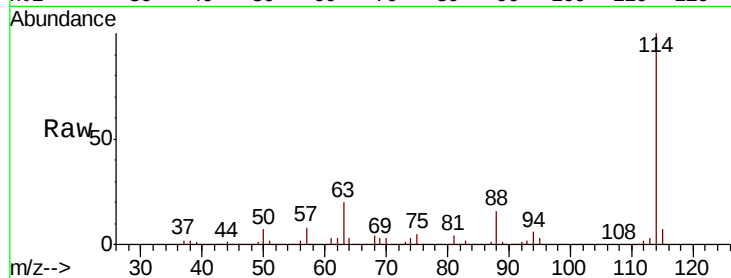




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004413.D
 Acq: 07 Sep 2018 17:52

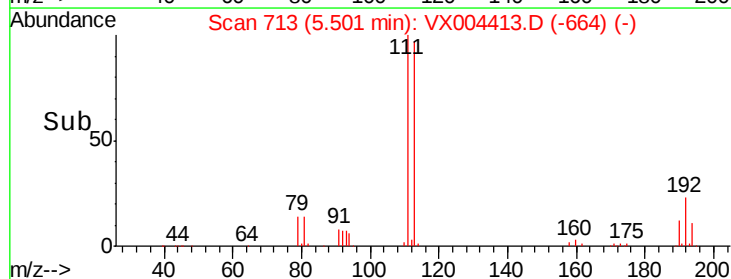
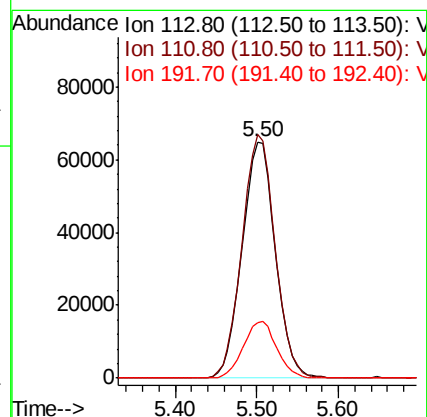
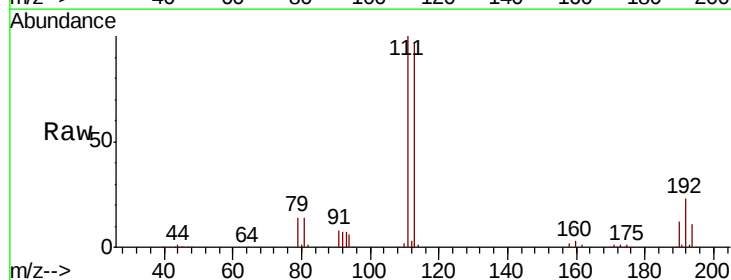
Instrument :
 MSVOA_X
 ClientSampled :
 MW-11

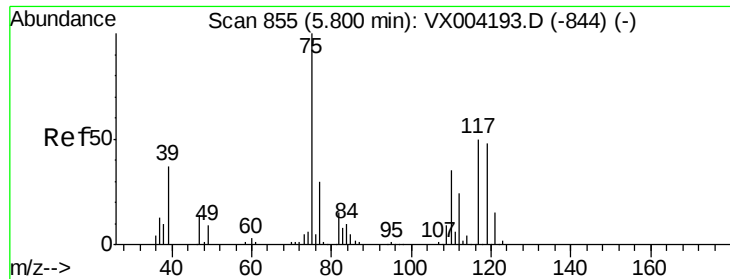
Tot Ion:114 Resp: 473695
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 16.0 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 52.15 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004413.D
 Acq: 07 Sep 2018 17:52

Tgt Ion:113 Resp: 183792
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.4 123.6
 192 24.1 19.4 29.2





#36

1,1-Dichloropropene

Concen: 3.62 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

Instrument :

MSVOA_X

ClientSampled :

MW-11

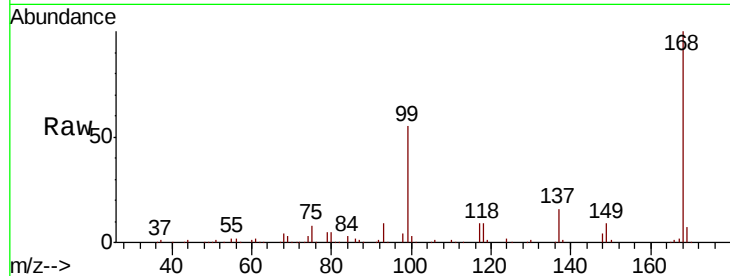
Tot Ion: 75 Resp: 19282

Ion Ratio Lower Upper

75 100

110 8.6 18.0 54.0#

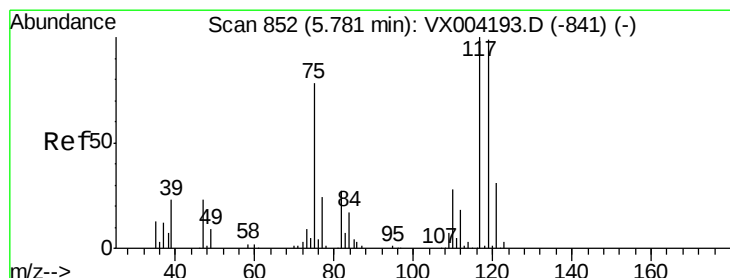
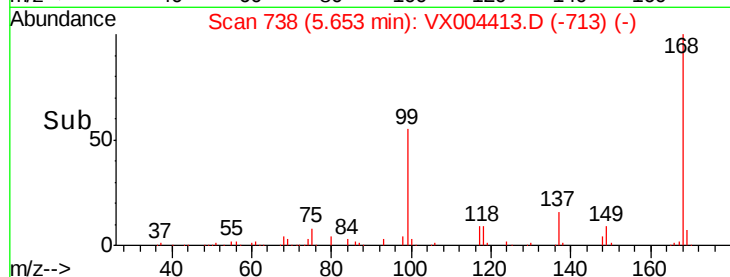
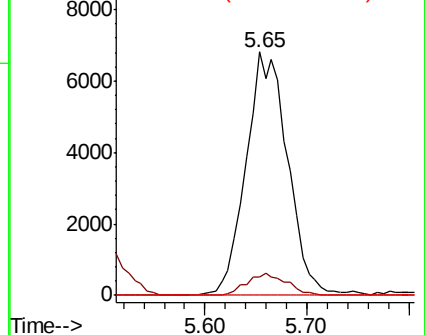
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.19 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

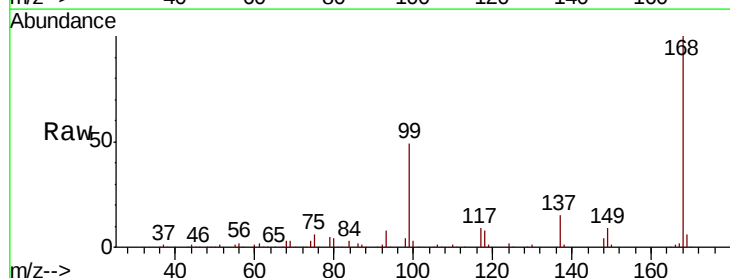
Tgt Ion: 117 Resp: 25981

Ion Ratio Lower Upper

117 100

119 6.0 78.8 118.2#

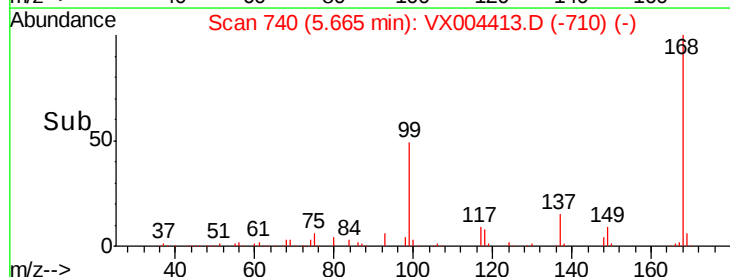
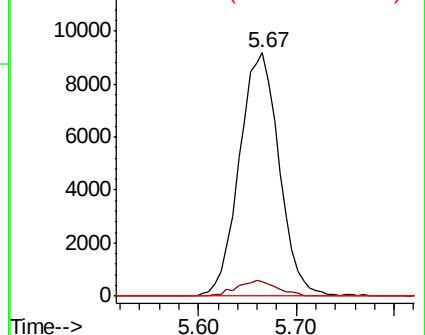
121 0.0 24.9 37.3#

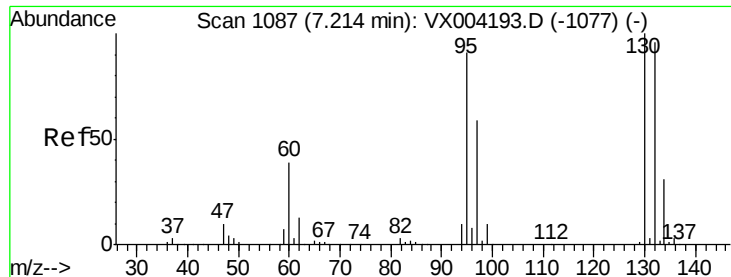


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.25 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

Instrument :

MSVOA_X

ClientSampleId :

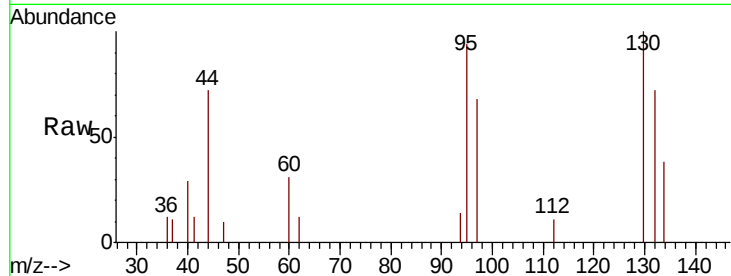
MW-11

Tot Ion:130 Resp: 1080

Ion Ratio Lower Upper

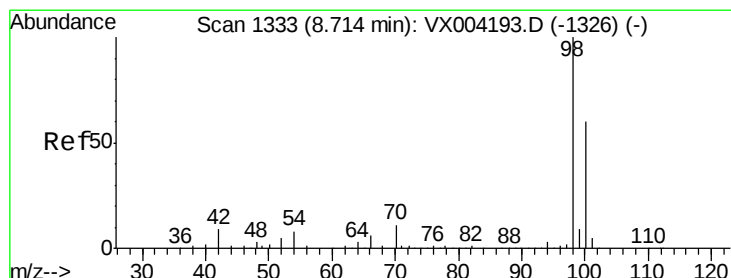
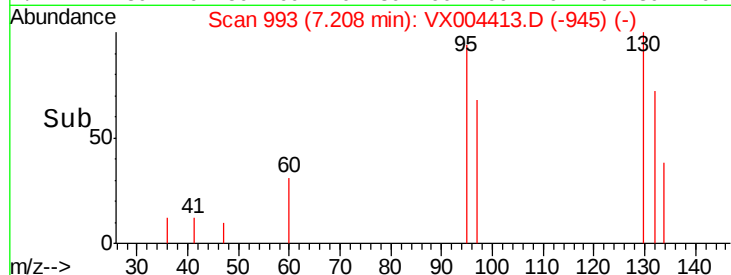
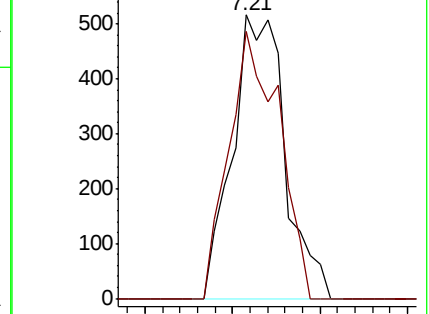
130 100

95 94.2 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.86 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX004413.D

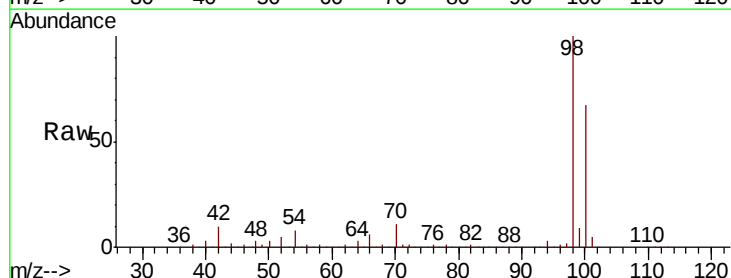
Acq: 07 Sep 2018 17:52

Tgt Ion: 98 Resp: 676494

Ion Ratio Lower Upper

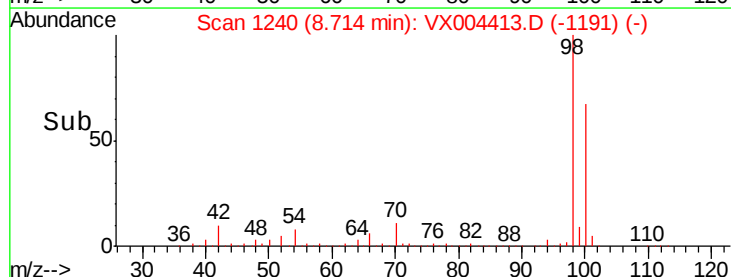
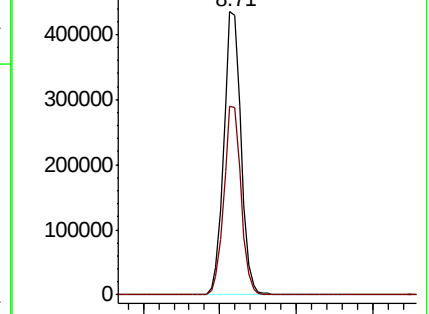
98 100

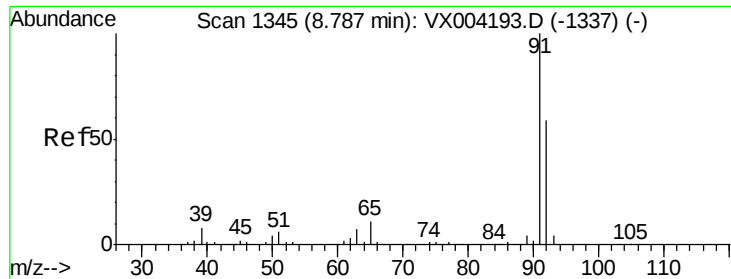
100 66.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.24 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

Instrument :

MSVOA_X

ClientSampleId :

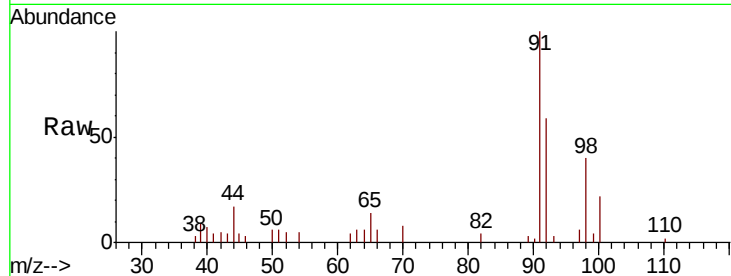
MW-11

Tot Ion: 92 Resp: 2406

Ion Ratio Lower Upper

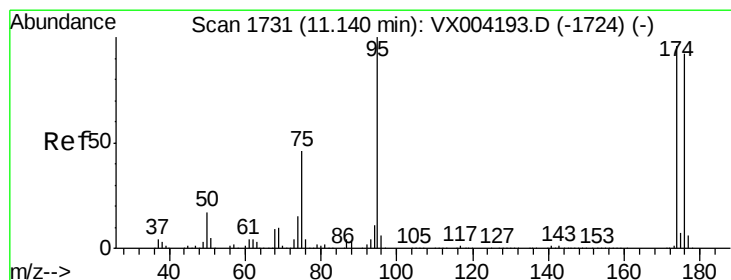
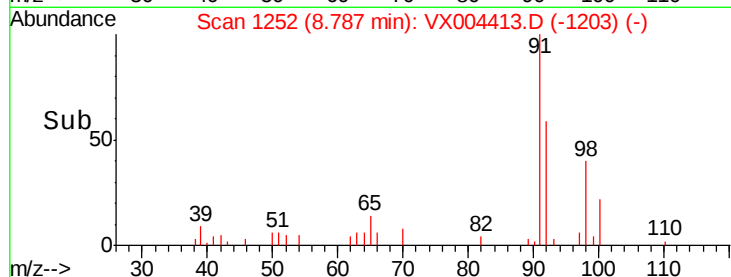
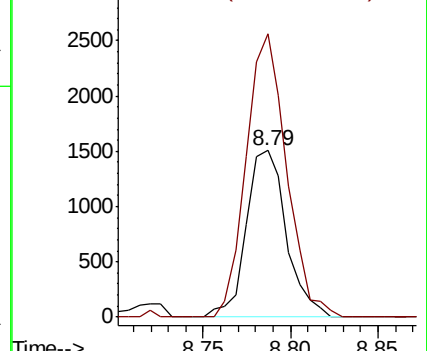
92 100

91 170.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 49.36 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

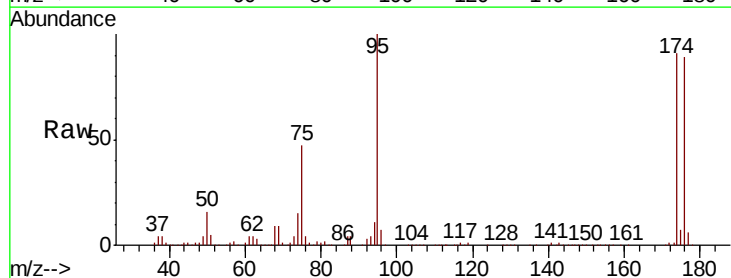
Tgt Ion: 95 Resp: 244989

Ion Ratio Lower Upper

95 100

174 92.3 0.0 185.2

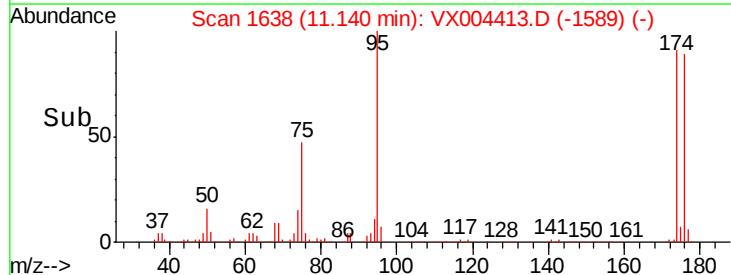
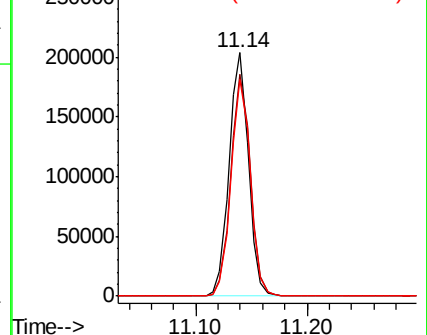
176 89.1 0.0 178.6

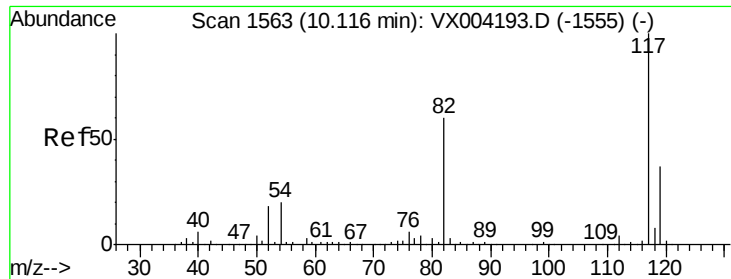


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

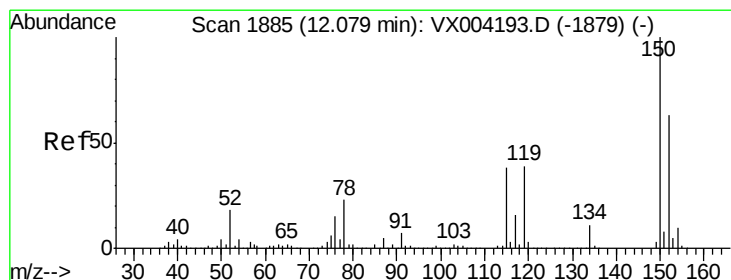
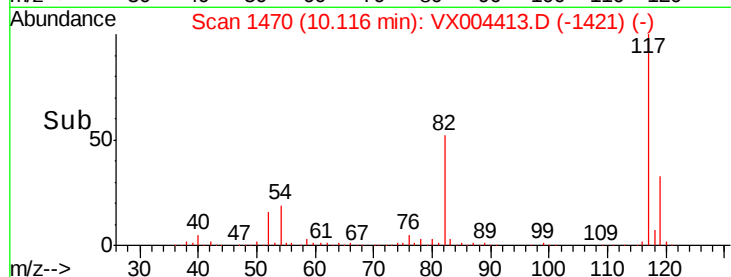
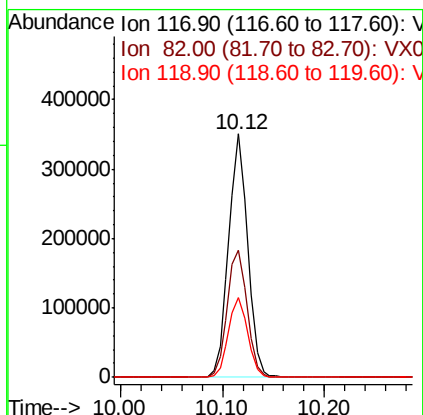
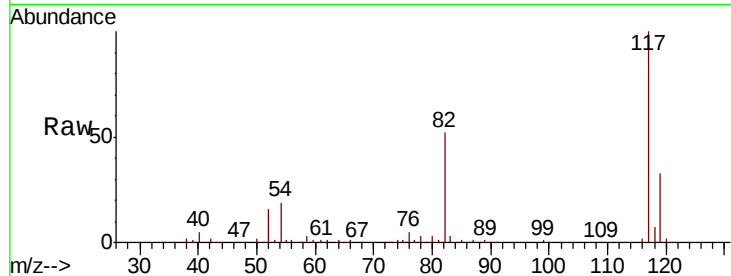




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004413.D
Acq: 07 Sep 2018 17:52

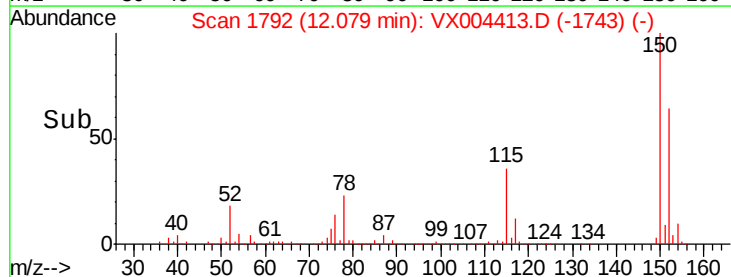
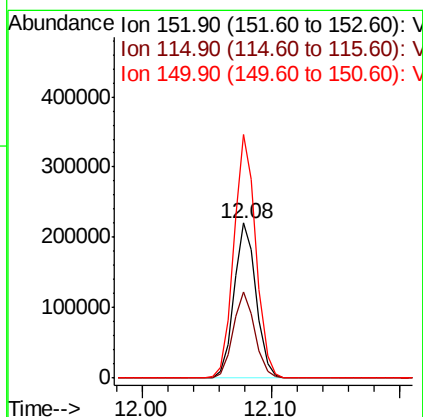
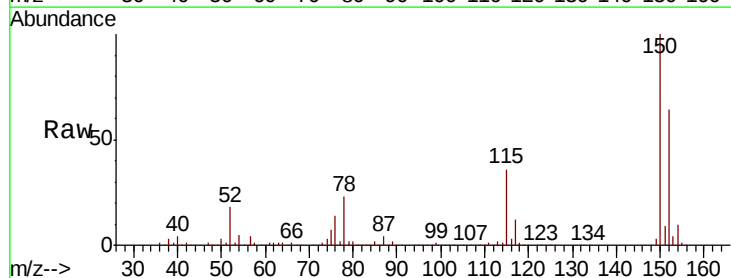
Instrument :
MSVOA_X
ClientSampled :
MW-11

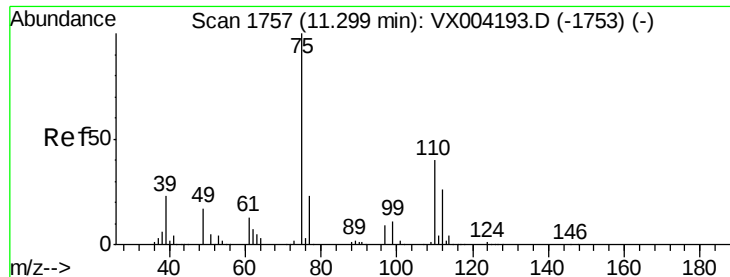
Tot Ion:117 Resp: 452930
Ion Ratio Lower Upper
117 100
82 52.4 47.8 71.6
119 32.7 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004413.D
Acq: 07 Sep 2018 17:52

Tgt Ion:152 Resp: 262549
Ion Ratio Lower Upper
152 100
115 54.8 39.0 117.0
150 156.9 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 21.60 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

Instrument :

MSVOA_X

ClientSampleId :

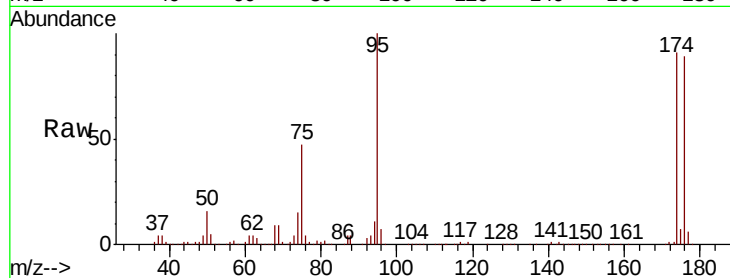
MW-11

Tot Ion: 75 Resp: 115359

Ion Ratio Lower Upper

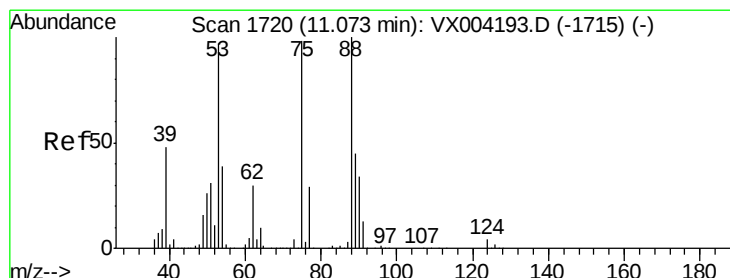
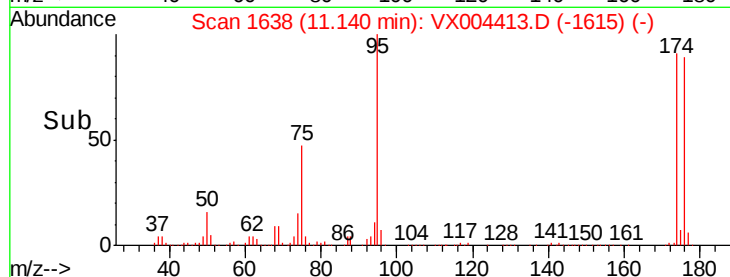
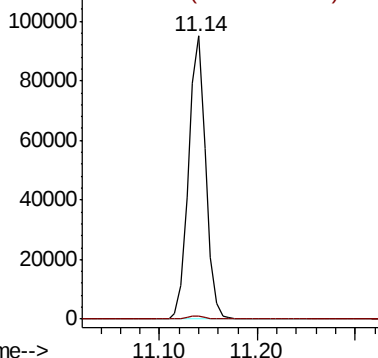
75 100

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: 70.10 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX004413.D

Acq: 07 Sep 2018 17:52

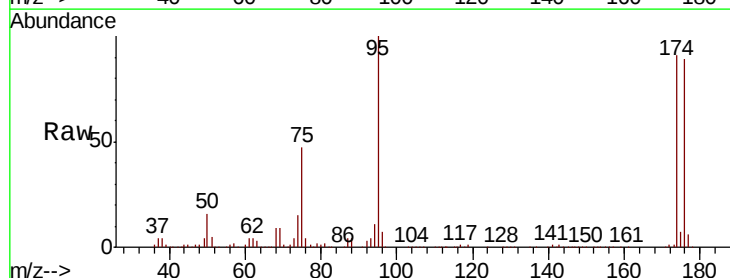
Tgt Ion: 75 Resp: 115359

Ion Ratio Lower Upper

75 100

53 0.3 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

