

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040119\
 Data File : VX008580.D
 Acq On : 01 Apr 2019 19:39
 Operator : JC/SP
 Sample : K2210-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WE-7

Quant Time: Apr 02 01:15:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	213913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	359090	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119080	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	150946	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
35) Dibromofluoromethane	5.50	113	110779	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
50) Toluene-d8	8.71	98	445069	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.13	95	145255	41.87	ug/l	0.00
Spiked Amount			Recovery	=	83.74%	

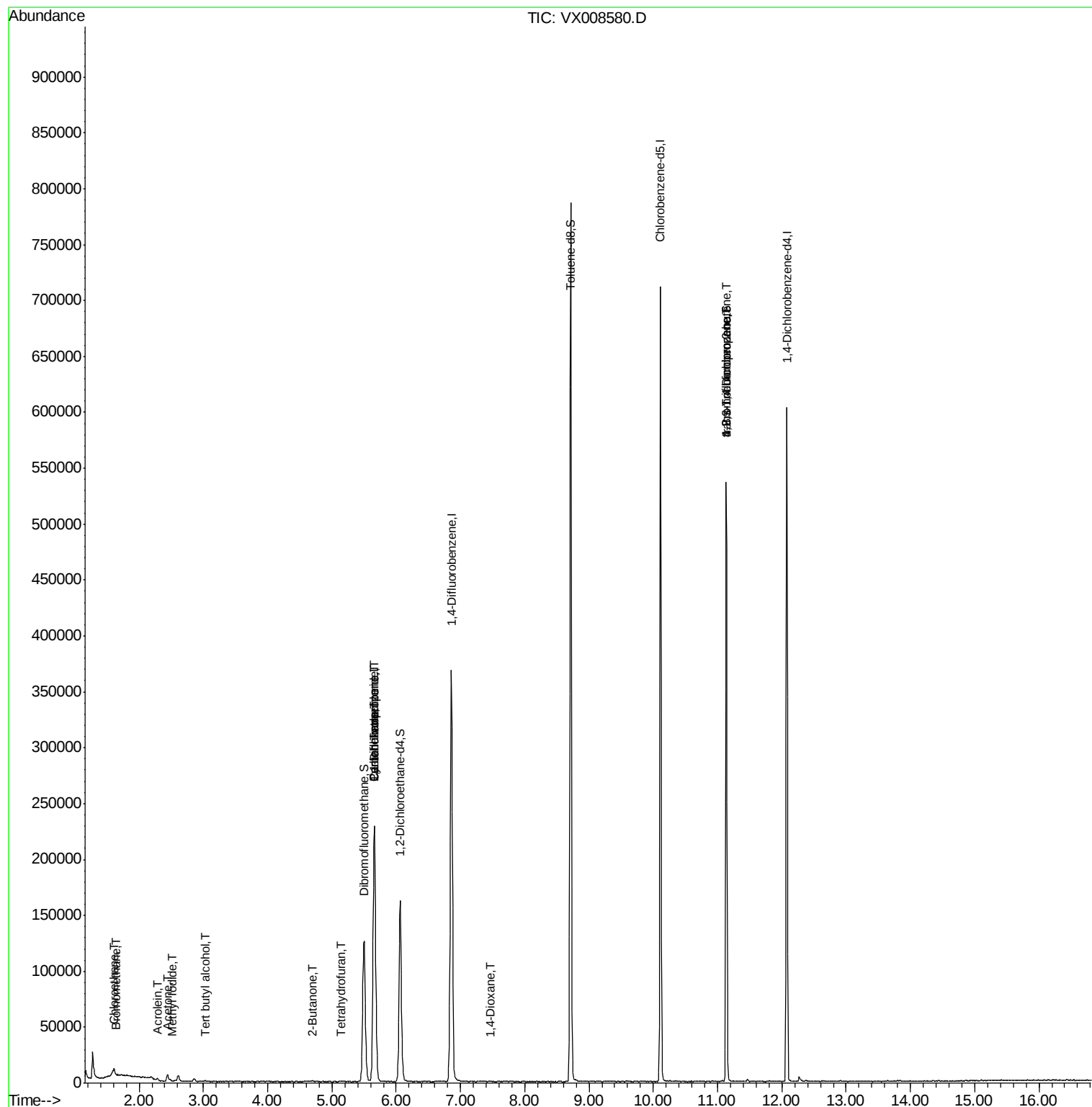
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	322	Below Cal	#	87
5) Bromomethane	1.65	94	345	1.988	ug/l #	34
6) Chloroethane	1.60	64	12568	6.026	ug/l #	59
10) Methyl Iodide	2.52	142	139	4.184	ug/l #	42
11) Tert butyl alcohol	3.03	59	690	0.960	ug/l #	80
13) Acrolein	2.29	56	240	0.460	ug/l #	37
16) Acetone	2.44	43	6796	4.010	ug/l	95
17) Carbon Disulfide	2.57	76	1224	Below Cal	#	84
20) Methylene Chloride	2.86	84	1130	Below Cal		87
25) 2-Butanone	4.70	43	1096	0.403	ug/l	91
29) Tetrahydrofuran	5.14	42	431	0.241	ug/l #	83
31) Cyclohexane	5.66	56	5032	0.968	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18218	4.758	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21409	6.700	ug/l #	15
49) 1,4-Dioxane	7.46	88	40	0.507	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	74285	20.984	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	74285	67.207	ug/l #	9

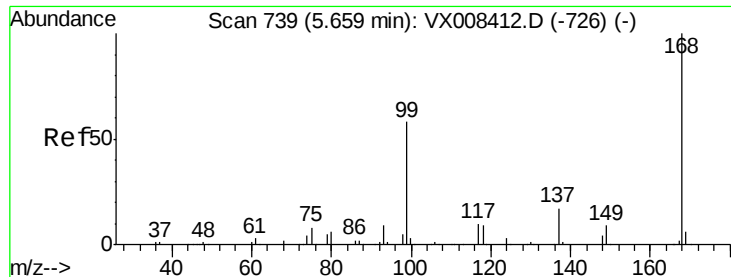
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008580.D

Acq: 01 Apr 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

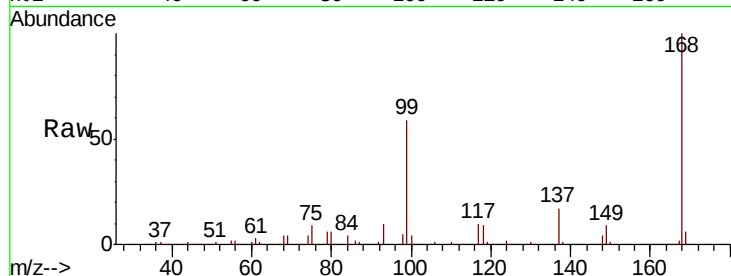
WE-7

Tot Ion:168 Resp: 213913

Ion Ratio Lower Upper

168 100

99 58.9 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

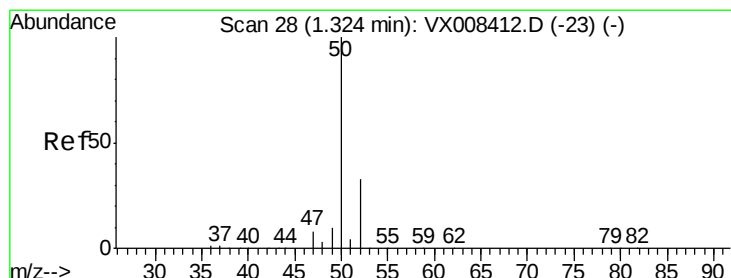
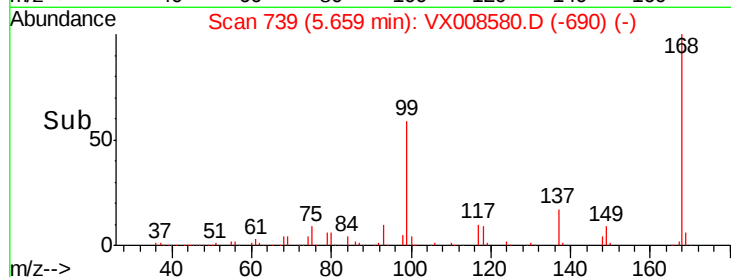
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008580.D

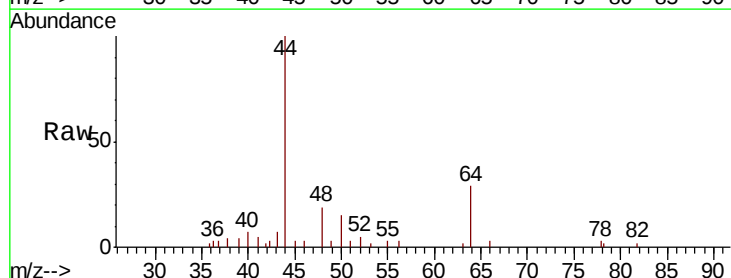
Acq: 01 Apr 2019 19:39

Tgt Ion: 50 Resp: 322

Ion Ratio Lower Upper

50 100

52 39.9 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

400

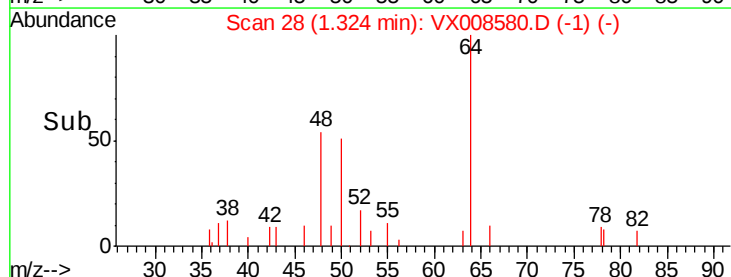
300

200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 1.988 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008580.D

Acq: 01 Apr 2019 19:39

Instrument :

MSVOA_X

ClientSampled :

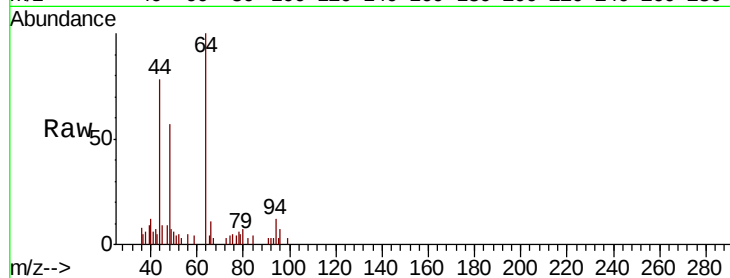
WE-7

Tot Ion: 94 Resp: 345

Ion Ratio Lower Upper

94 100

96 30.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

150

100

50

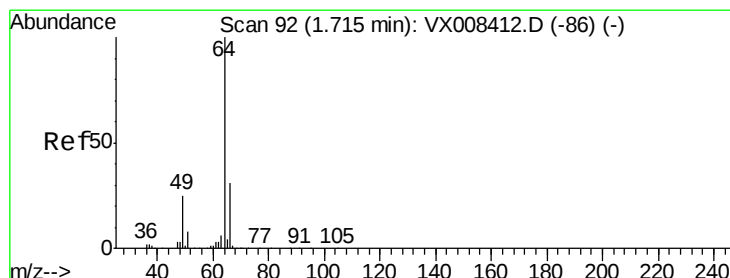
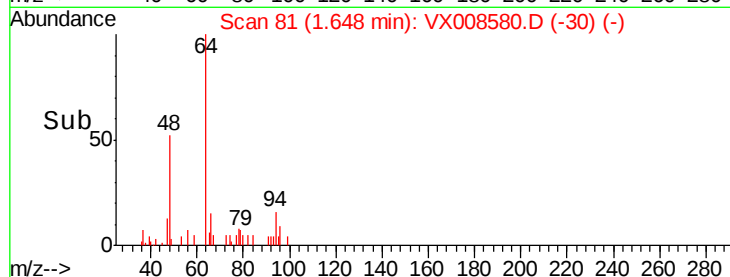
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 6.026 ug/l

RT: 1.60 min Scan# 74

Delta R.T. -0.11 min

Lab File: VX008580.D

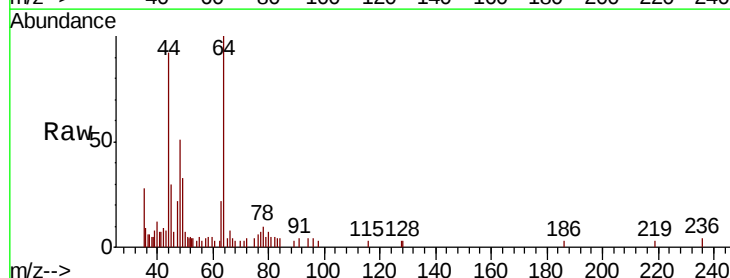
Acq: 01 Apr 2019 19:39

Tgt Ion: 64 Resp: 12568

Ion Ratio Lower Upper

64 100

66 8.9 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2000

1500

1000

500

0

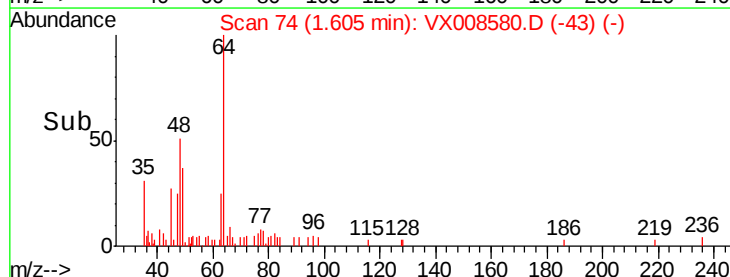
1.40

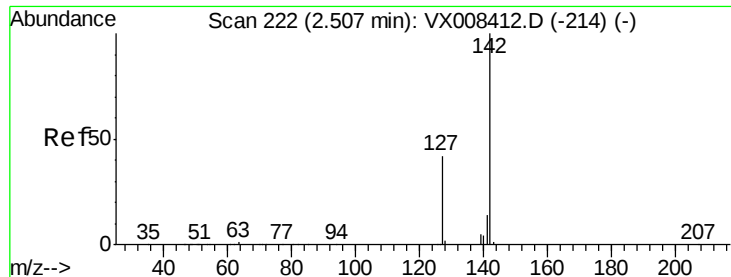
1.50

1.60

1.70

Time-->

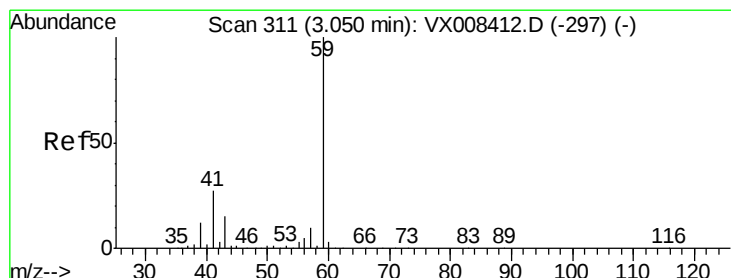
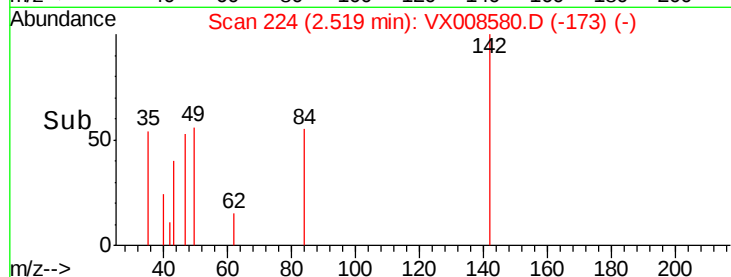
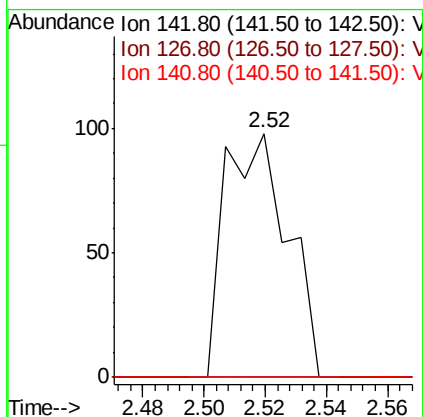
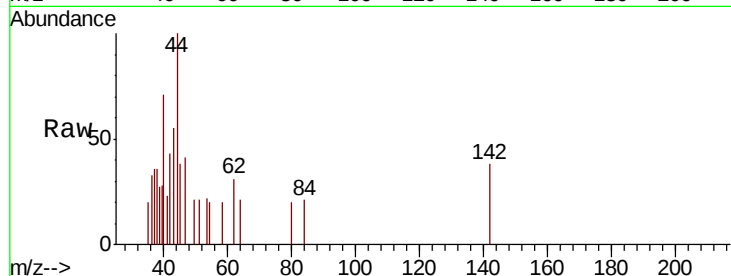




#10
Methvl Iodide
Concen: 4.184 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

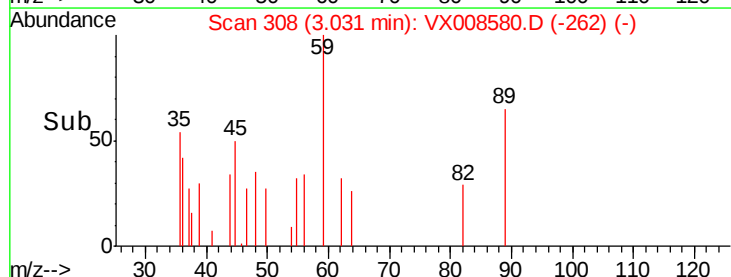
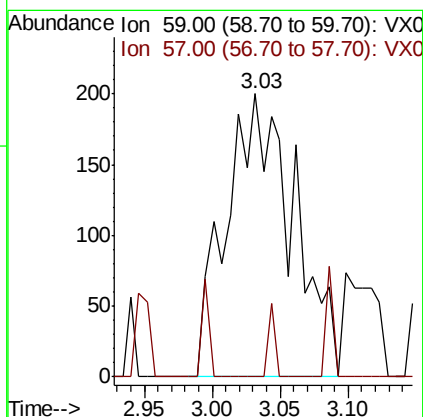
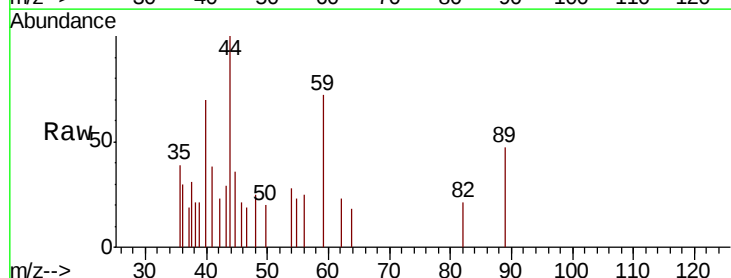
Instrument :
MSVOA_X
ClientSampleId :
WE-7

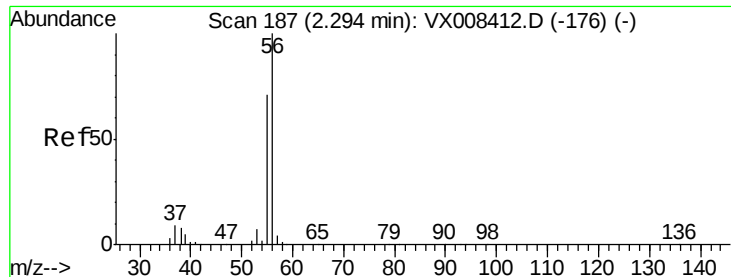
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.6	50.4#
141	0.0	11.3	16.9#



#11
Tert butyl alcohol
Concen: 0.960 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

Tgt Ion	Ratio	Lower	Upper
59	100		
57	2.8	8.2	12.4#

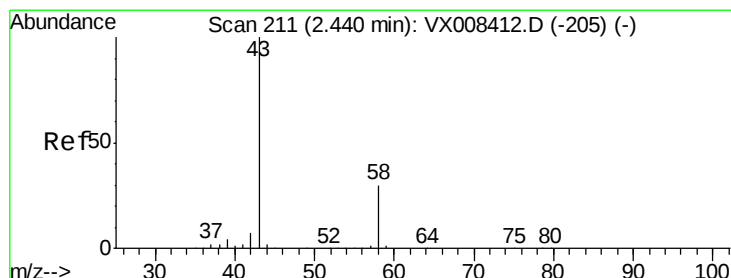
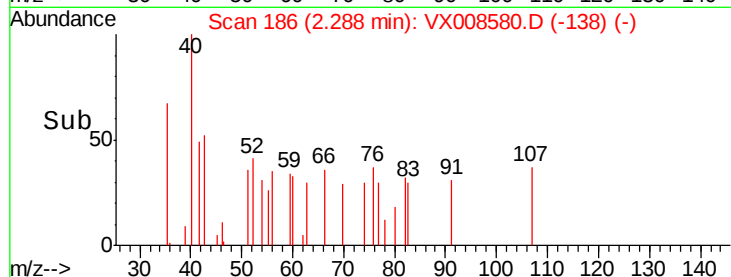
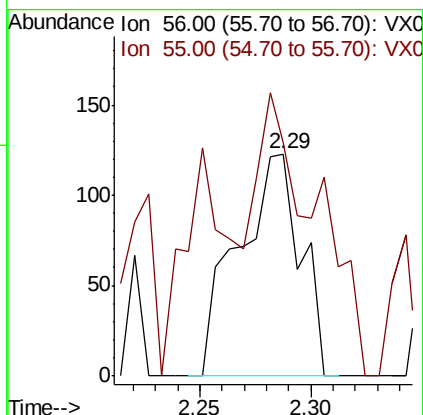
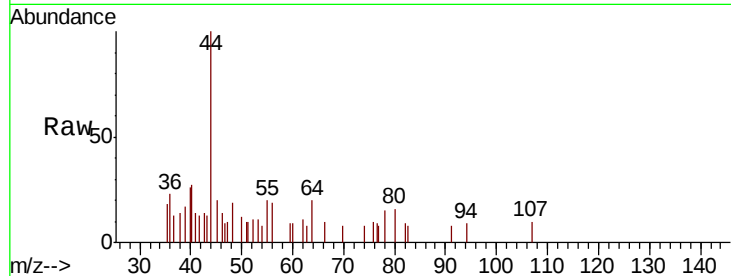




#13
Acrolein
Concen: 0.460 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

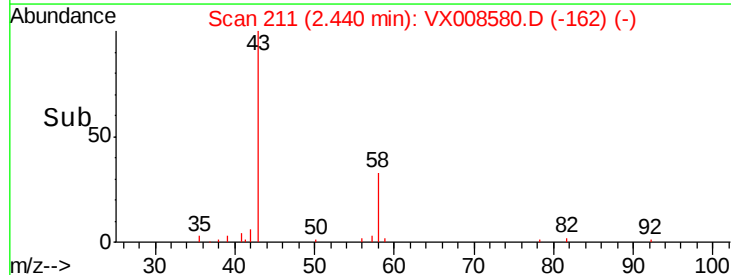
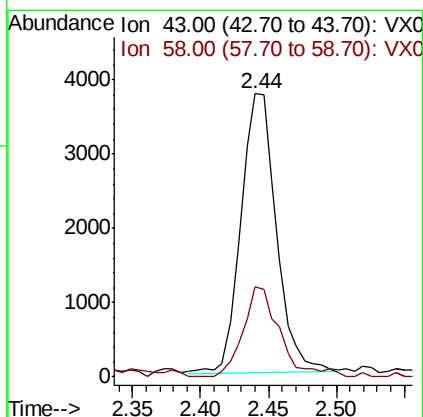
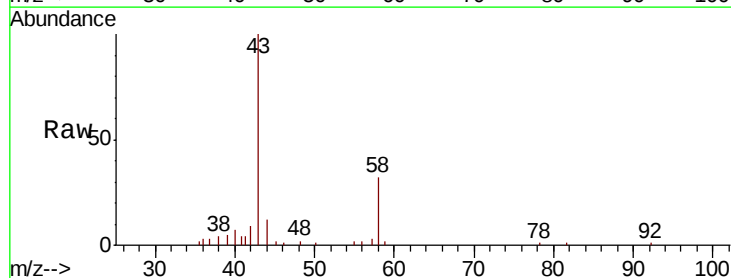
Instrument :
MSVOA_X
ClientSampled :
WE-7

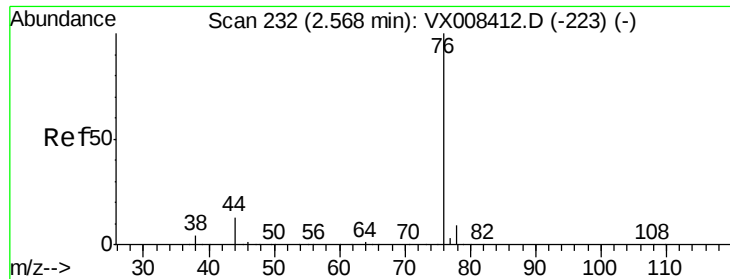
Tot Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 122.5 56.5 84.7#



#16
Acetone
Concen: 4.010 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

Tgt Ion: 43 Resp: 6796
Ion Ratio Lower Upper
43 100
58 32.7 24.2 36.2

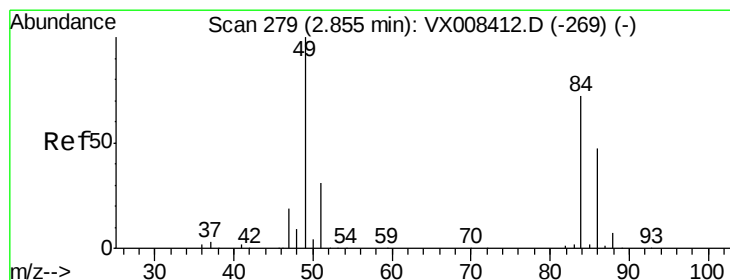
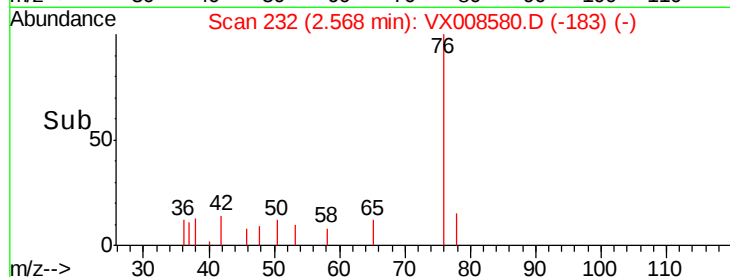
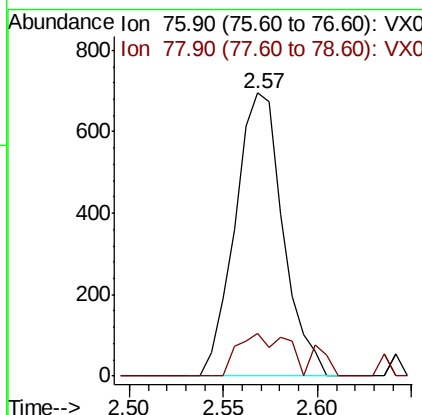
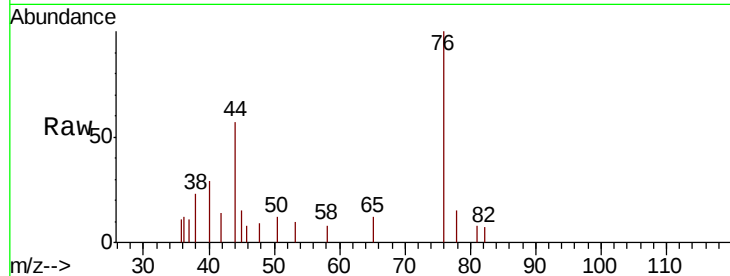




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

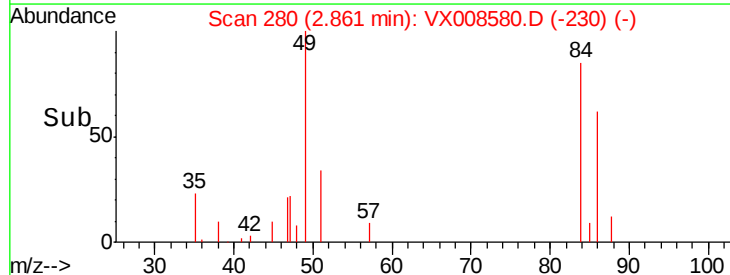
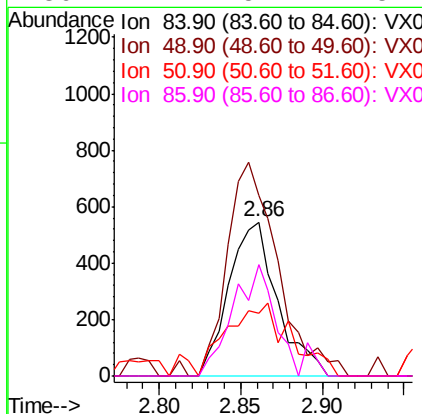
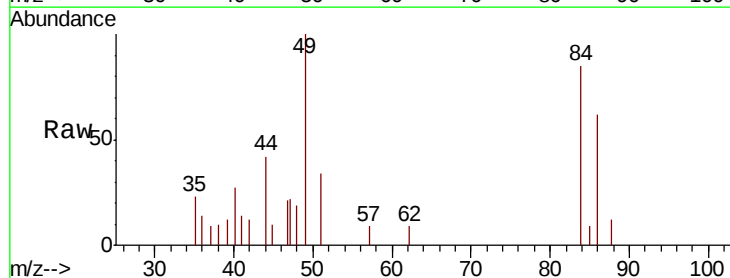
Instrument :
MSVOA_X
ClientSampleId :
WE-7

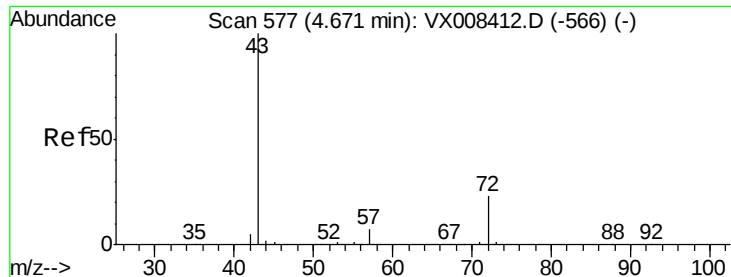
Tot Ion: 76 Resp: 1224
Ion Ratio Lower Upper
76 100
78 15.3 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

Tgt Ion: 84 Resp: 1130
Ion Ratio Lower Upper
84 100
49 117.6 110.6 165.8
51 40.6 33.9 50.9
86 72.7 52.2 78.2





#25

2-Butanone

Concen: 0.403 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX008580.D

Acq: 01 Apr 2019 19:39

Instrument :

MSVOA_X

ClientSampled :

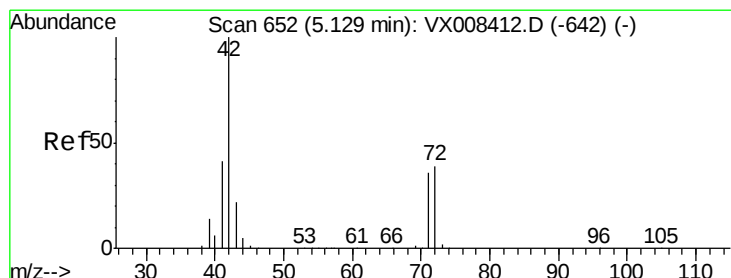
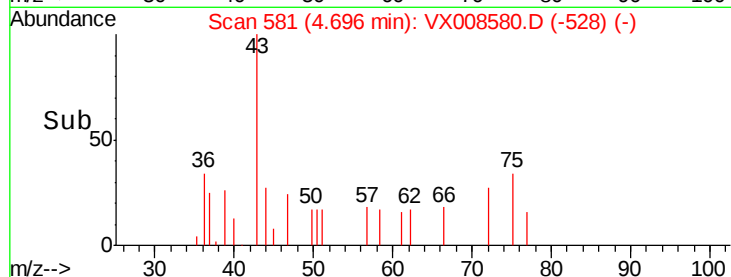
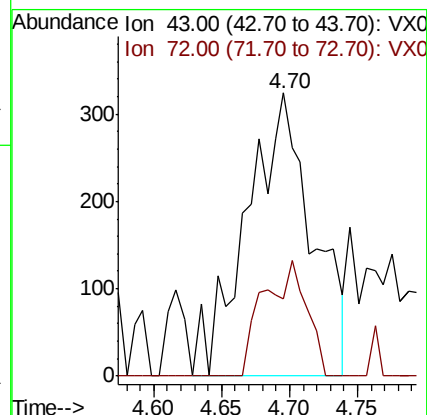
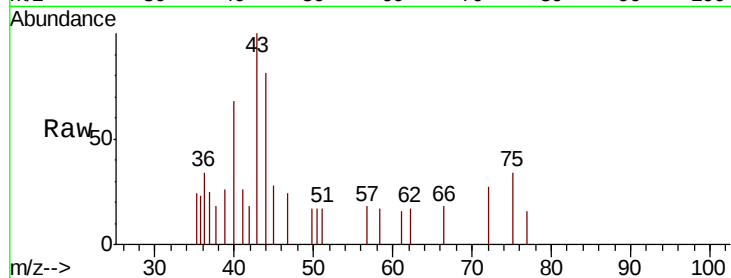
WE-7

Tot Ion: 43 Resp: 1096

Ion Ratio Lower Upper

43 100

72 27.5 18.6 28.0



#29

Tetrahydrofuran

Concen: 0.241 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX008580.D

Acq: 01 Apr 2019 19:39

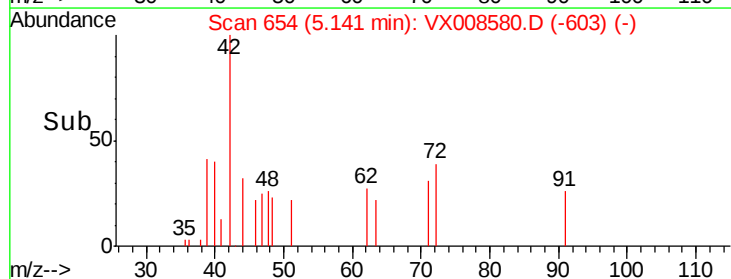
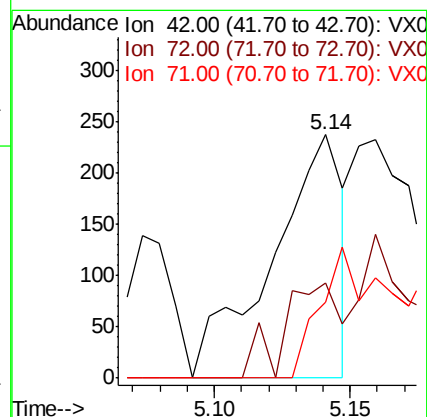
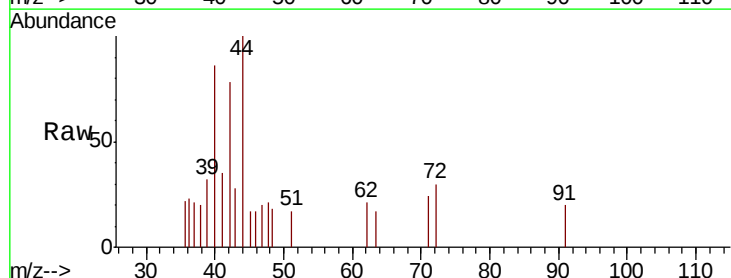
Tgt Ion: 42 Resp: 431

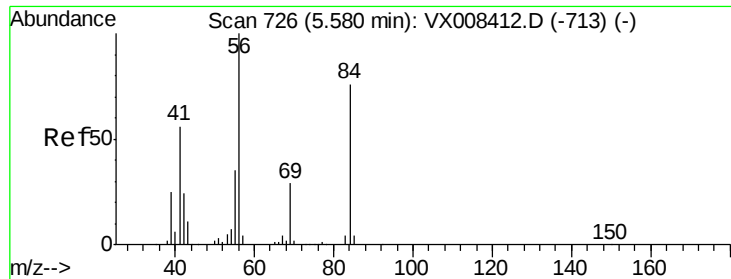
Ion Ratio Lower Upper

42 100

72 31.1 31.4 47.2#

71 49.7 29.4 44.2#

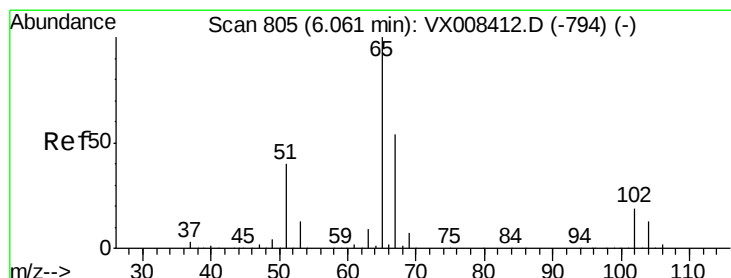
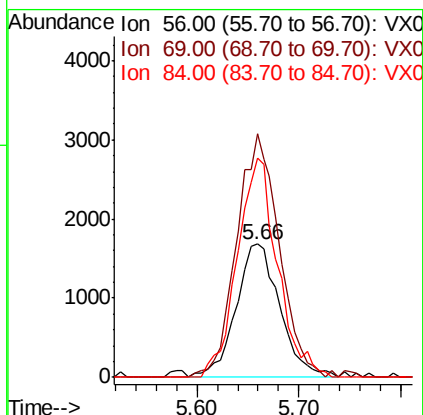
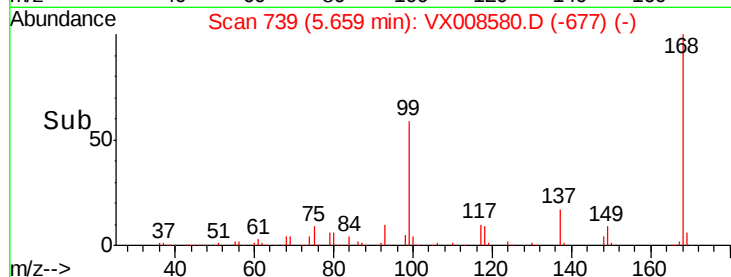
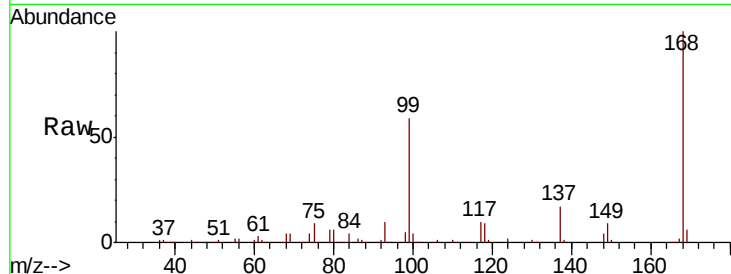




#31
Cyclohexane
Concen: 0.968 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

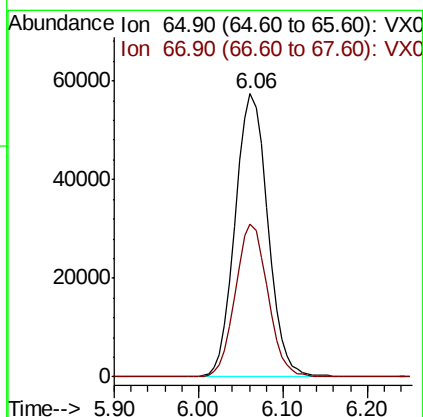
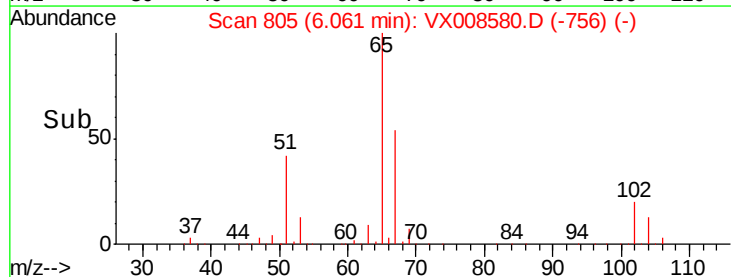
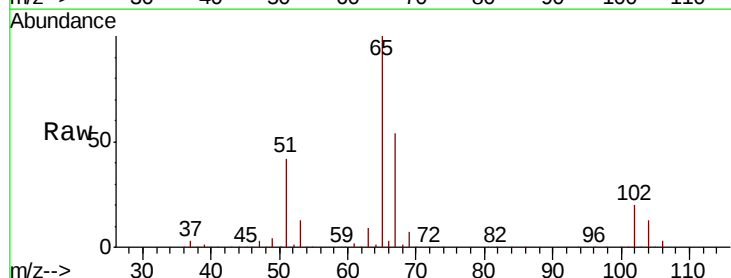
Instrument :
MSVOA_X
ClientSampleId :
WE-7

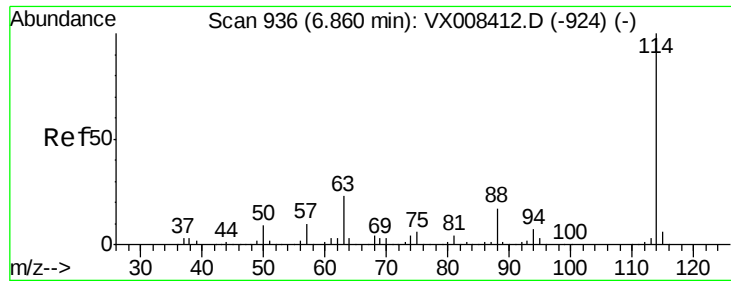
Tot Ion: 56 Resp: 5032
Ion Ratio Lower Upper
56 100
69 182.5 23.2 34.8#
84 164.4 60.7 91.1#



#33
1,2-Dichloroethane-d4
Concen: 46.545 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

Tgt Ion: 65 Resp: 150946
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.4

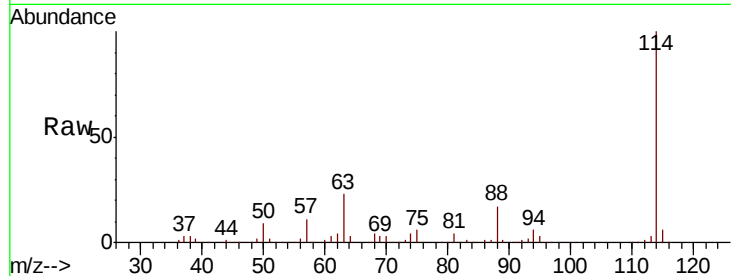




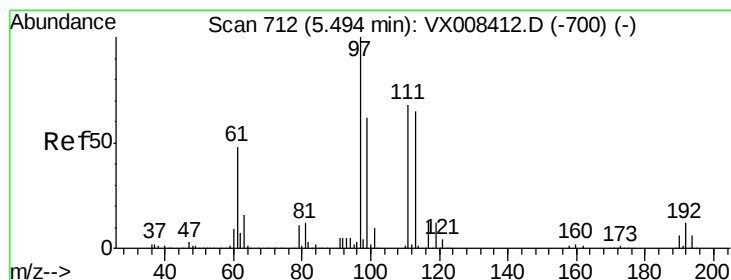
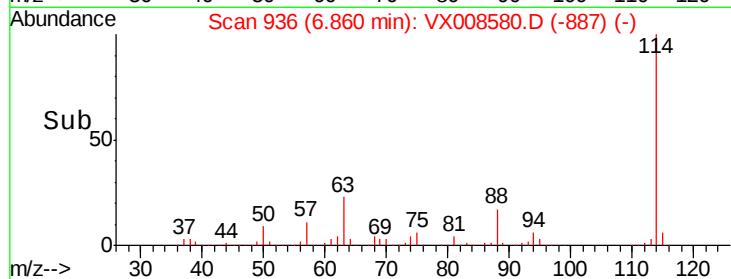
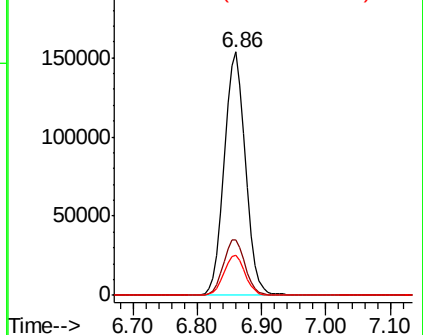
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008580.D
 Acq: 01 Apr 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 WE-7

Tot Ion:114 Resp: 359090
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.4
 88 16.6 0.0 33.2

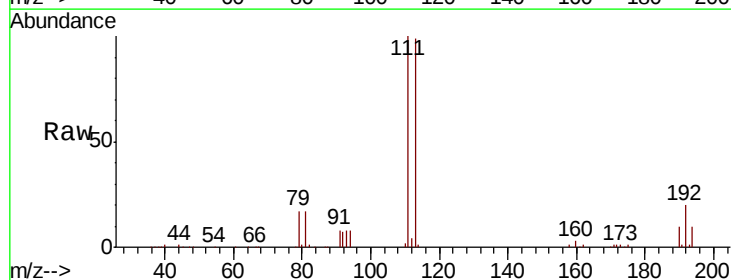


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

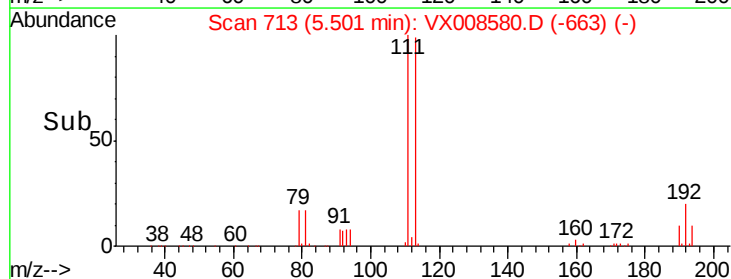
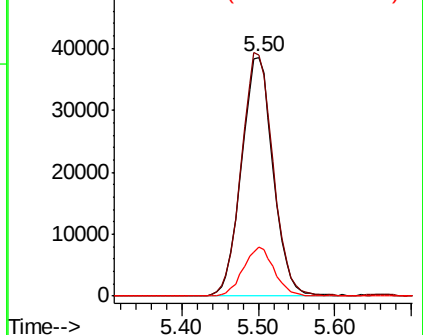


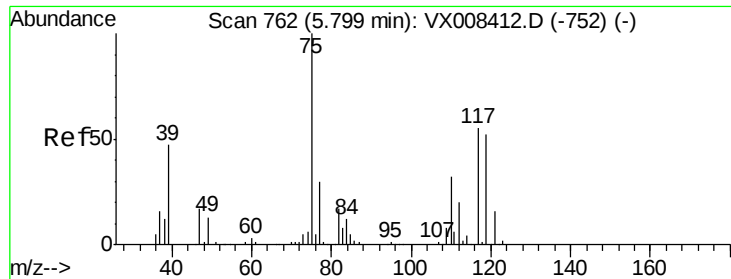
#35
 Dibromofluoromethane
 Concen: 47.312 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008580.D
 Acq: 01 Apr 2019 19:39

Tgt Ion:113 Resp: 110779
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.0 124.4
 192 20.0 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

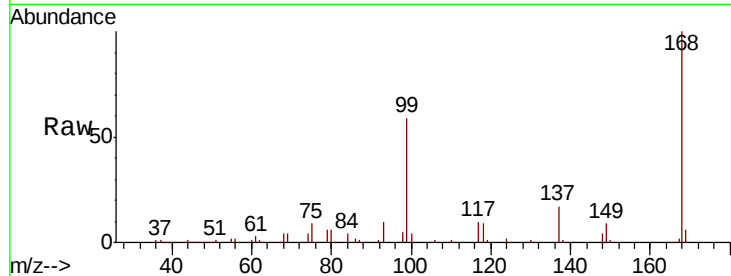




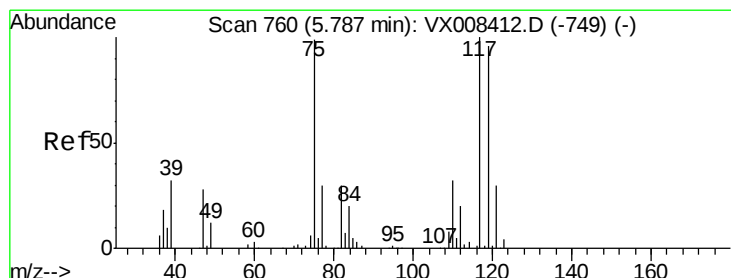
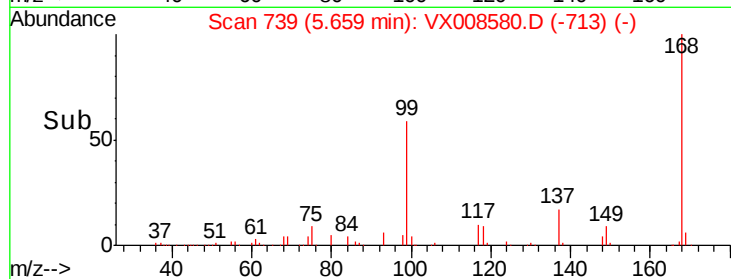
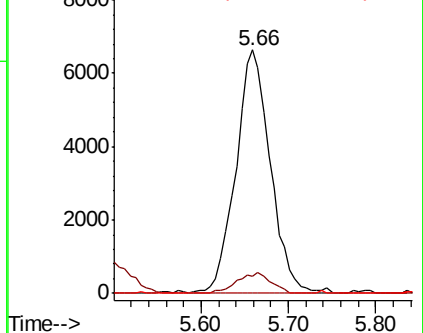
#36
 1,1-Dichloropropene
 Concen: 4.758 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008580.D
 Acq: 01 Apr 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 WE-7

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.6	49.7#
77	0.0	24.2	36.2#

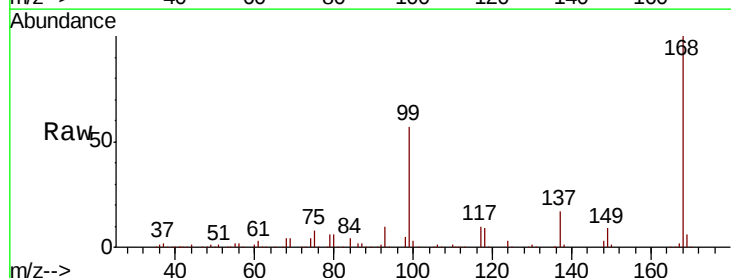


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

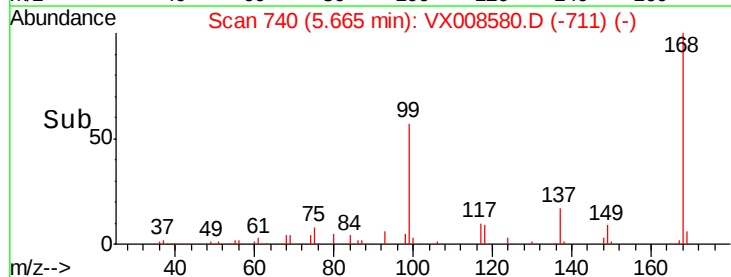
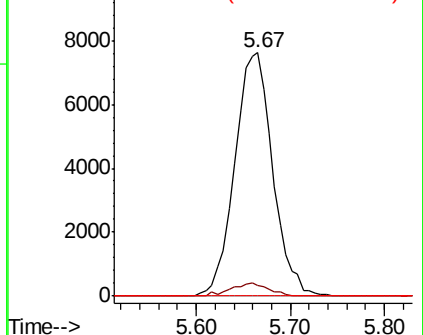


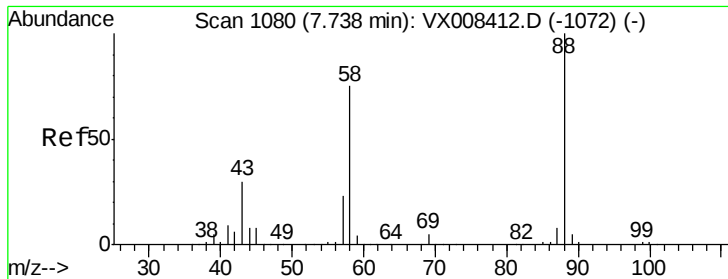
#38
 Carbon Tetrachloride
 Concen: 6.700 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008580.D
 Acq: 01 Apr 2019 19:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.7	115.1#
121	0.0	24.3	36.5#



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

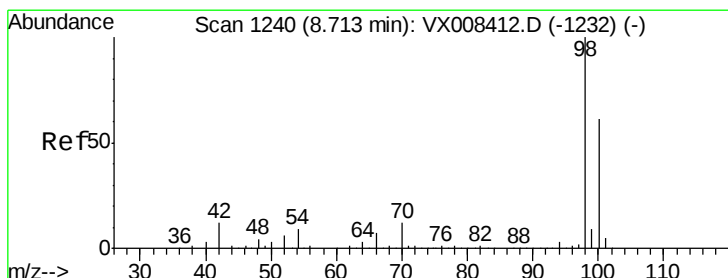
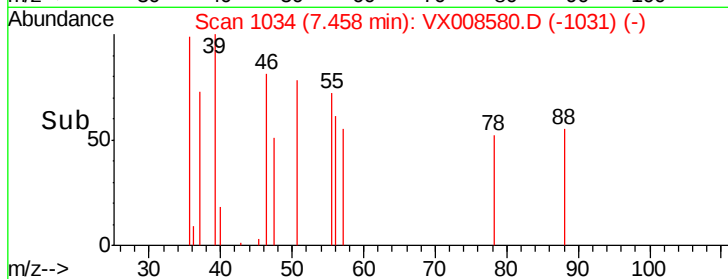
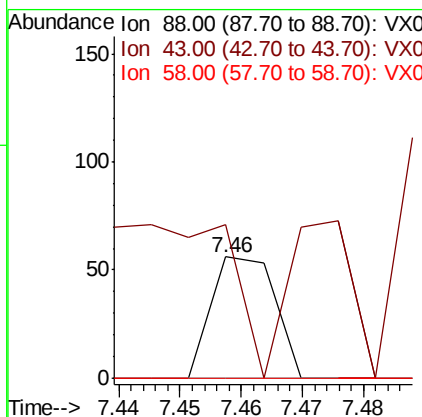
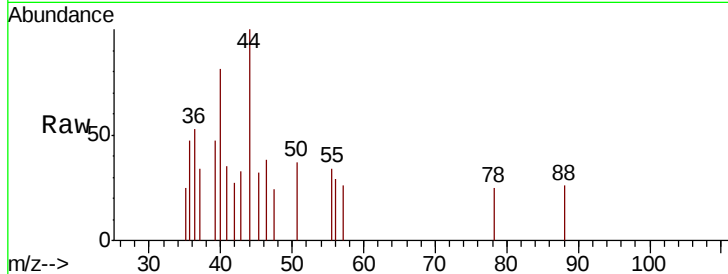




#49
 1,4-Dioxane
 Concen: 0.507 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.28 min
 Lab File: VX008580.D
 Acq: 01 Apr 2019 19:39

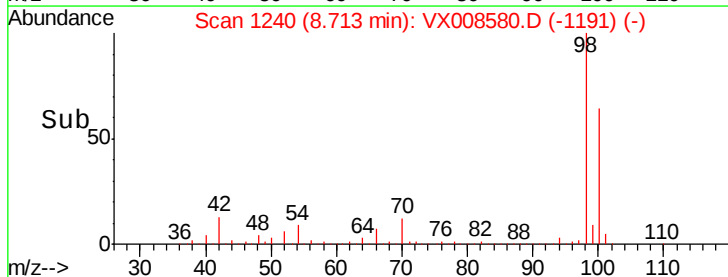
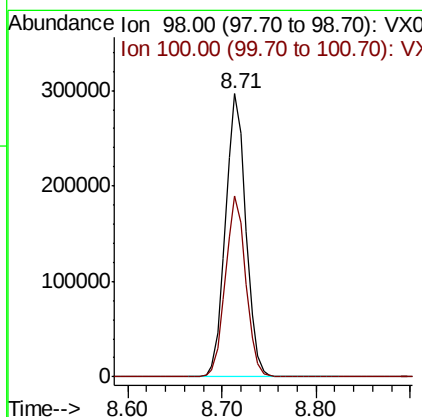
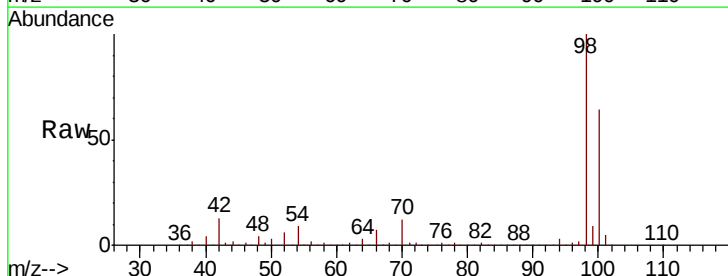
Instrument :
 MSVOA_X
 ClientSampled :
 WE-7

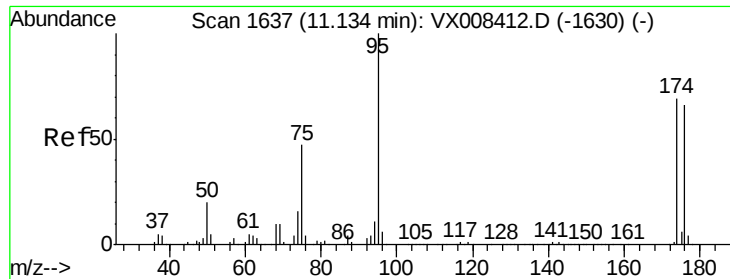
Tot Ion: 88 Resp: 40
 Ion Ratio Lower Upper
 88 100
 43 130.0 28.6 43.0#
 58 0.0 63.0 94.4#



#50
 Toluene-d8
 Concen: 47.538 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008580.D
 Acq: 01 Apr 2019 19:39

Tgt Ion: 98 Resp: 445069
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 41.868 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008580.D

Acq: 01 Apr 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

WE-7

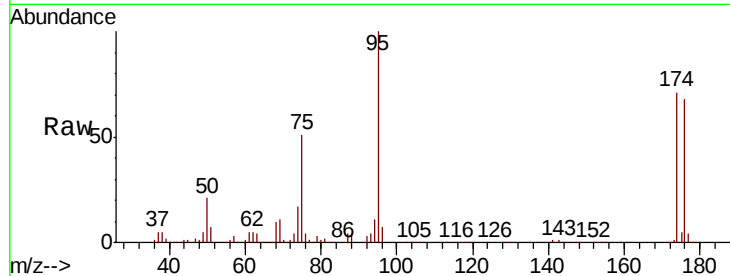
Tot Ion: 95 Resp: 145255

Ion Ratio Lower Upper

95 100

174 75.1 0.0 147.2

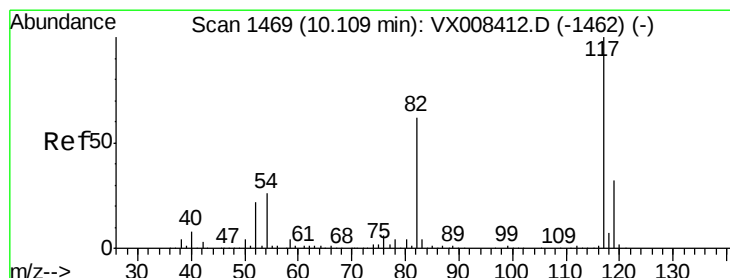
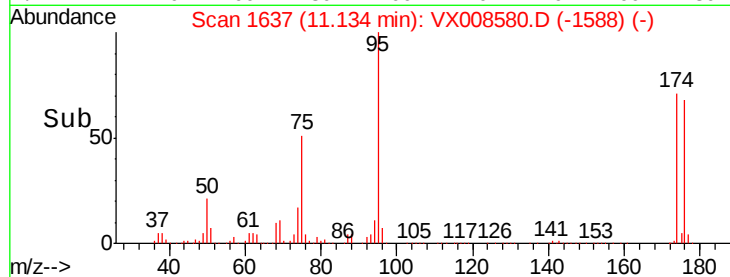
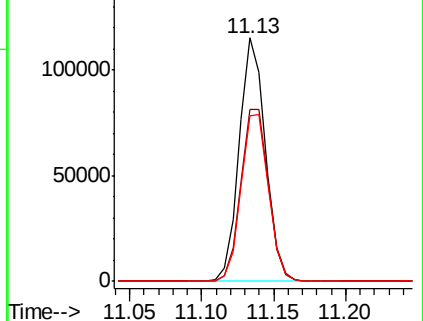
176 72.2 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX008412.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008412.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008412.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008580.D

Acq: 01 Apr 2019 19:39

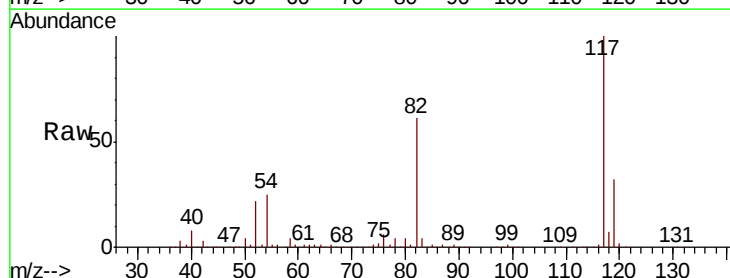
Tgt Ion: 117 Resp: 303063

Ion Ratio Lower Upper

117 100

82 61.4 49.4 74.2

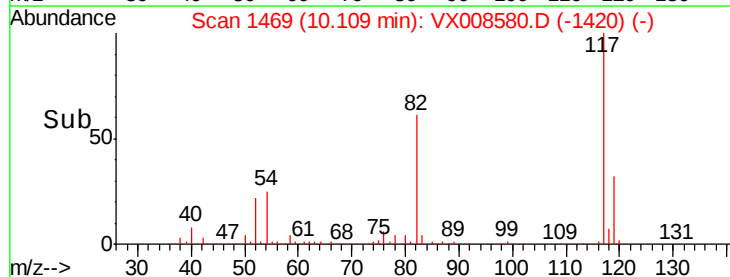
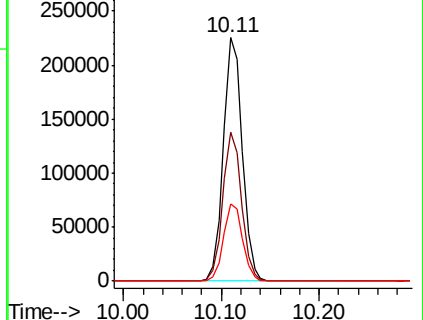
119 31.7 25.4 38.0

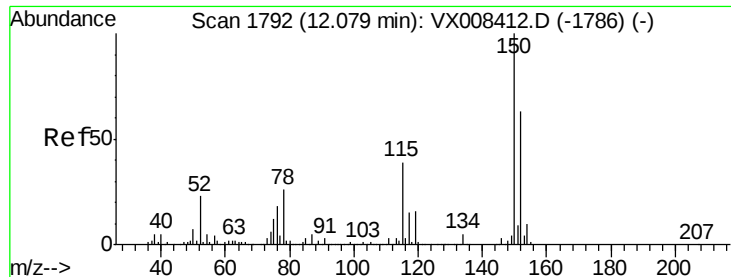


Abundance Ion 116.90 (116.60 to 117.60): VX008412.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008412.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008412.D (-1462) (-)



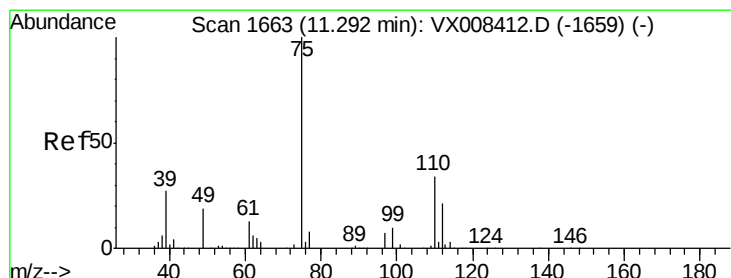
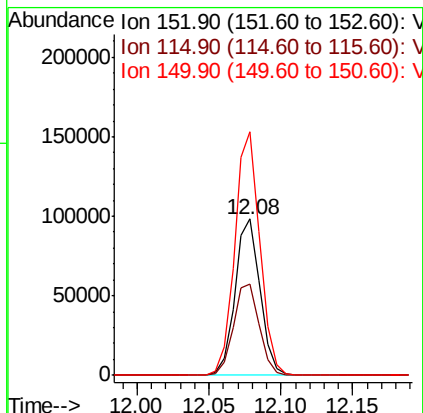
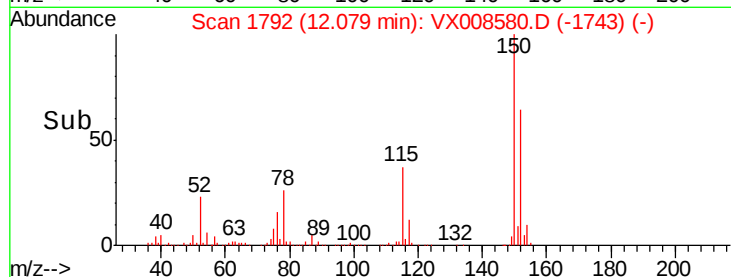
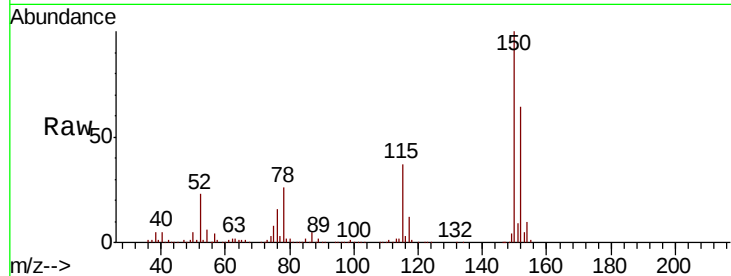


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

Instrument :
MSVOA_X
ClientSampled :
WE-7

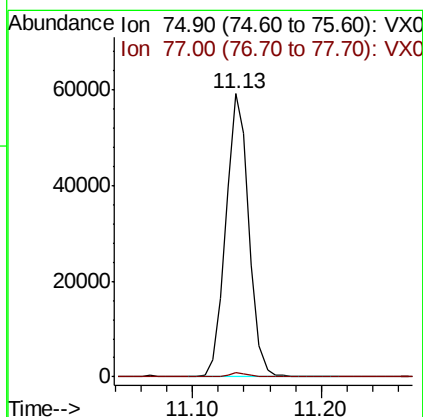
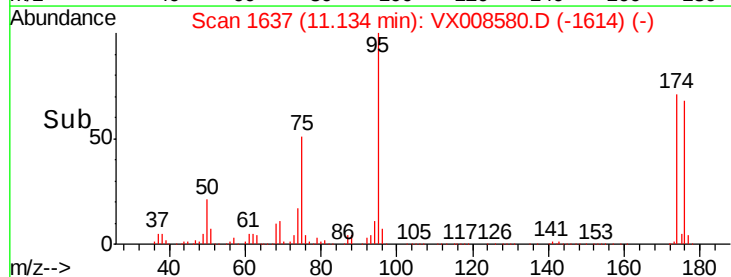
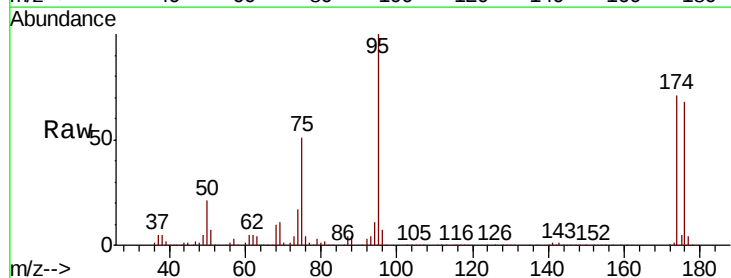
Tot Ion:152 Resp: 119080
Ion Ratio Lower Upper
152 100
115 60.3 43.5 130.5
150 156.6 0.0 348.8

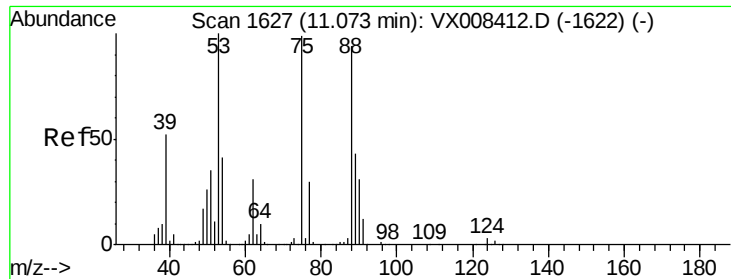


#76

1,2,3-Trichloropropane
Concen: 20.984 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

Tgt Ion: 75 Resp: 74285
Ion Ratio Lower Upper
75 100
77 1.3 21.9 65.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 67.207 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008580.D

Acq: 01 Apr 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

WE-7

Tot Ion: 75 Resp: 74285

Ion Ratio Lower Upper

75 100

53 0.2 82.1 123.1#

89 0.0 34.6 52.0#

