

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 :

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%	

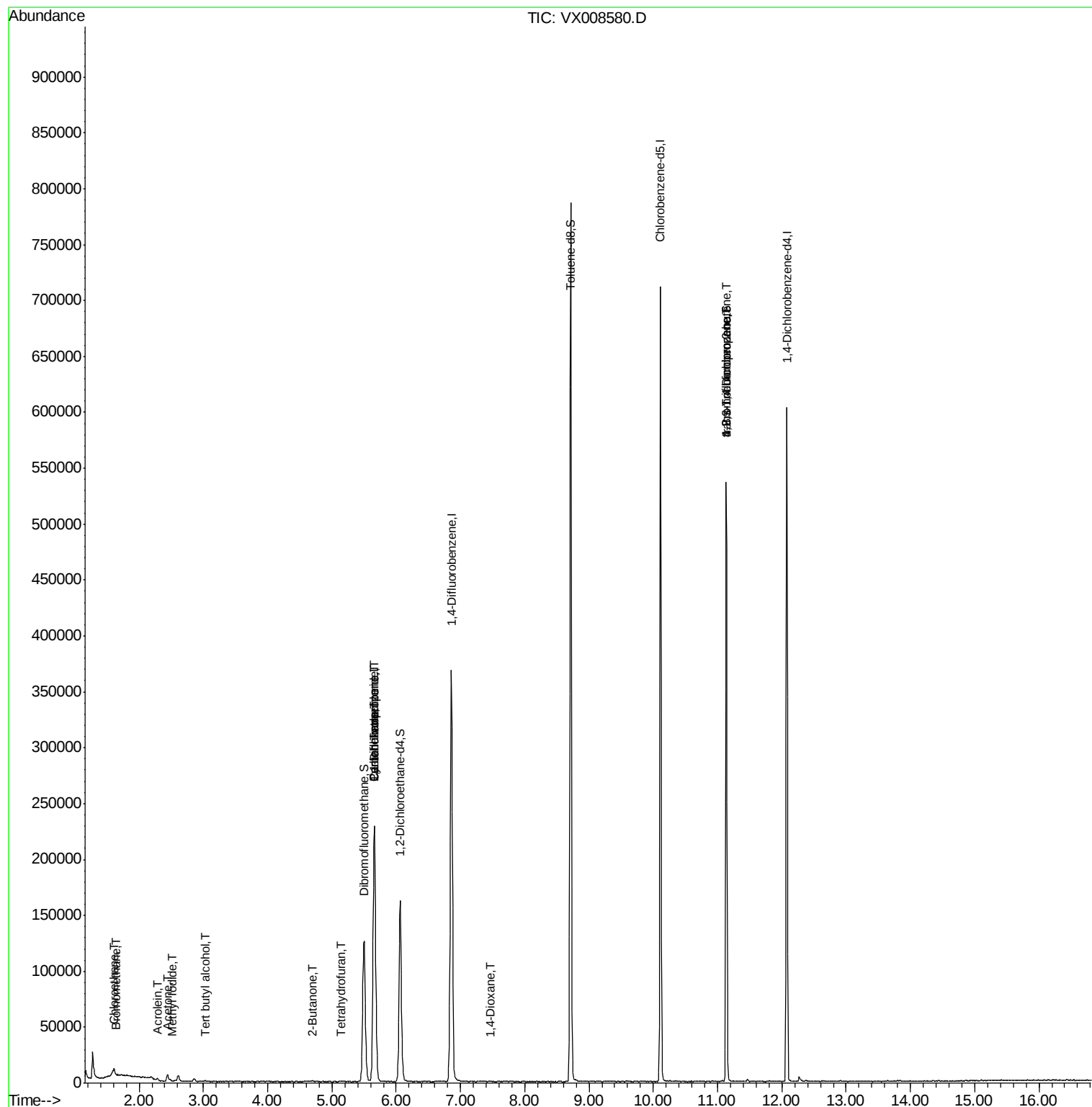
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	322	Below Cal	#	87
5) Bromomethane	1.65	94	345	1.988	ug/l #	34
6) Chloroethane	1.60	64	12568	6.026	ug/l #	59
10) Methyl Iodide	2.52	142	139	4.184	ug/l #	42
11) Tert butyl alcohol	3.03	59	690	0.960	ug/l #	80
13) Acrolein	2.29	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

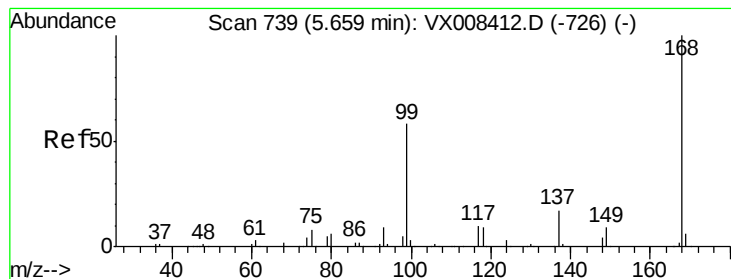
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040119\
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 :

Quant Time: Apr 02 01:15:08 2019
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

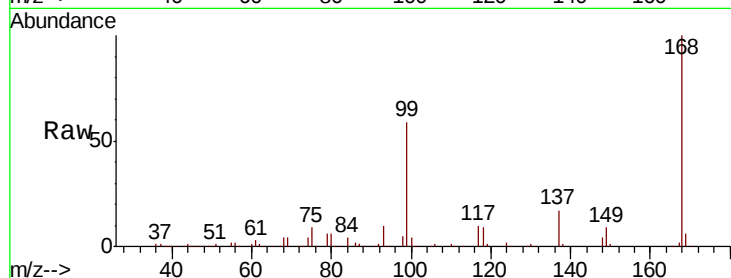
ClientSampleId :

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

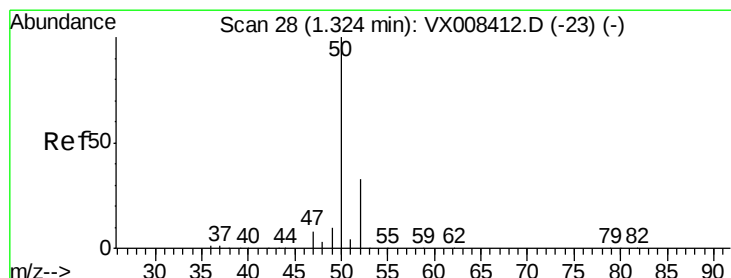
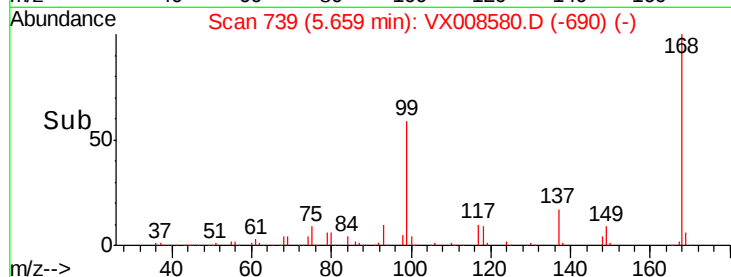
60000

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

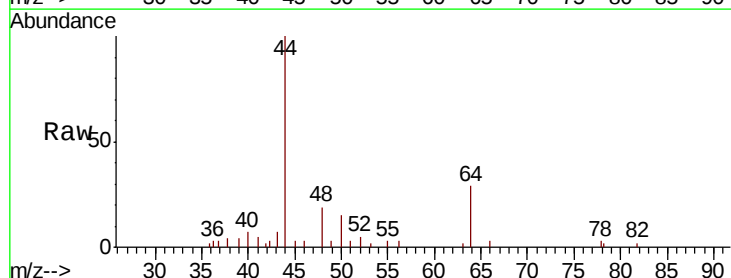
Acq: 01 Apr 2019 19:39

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

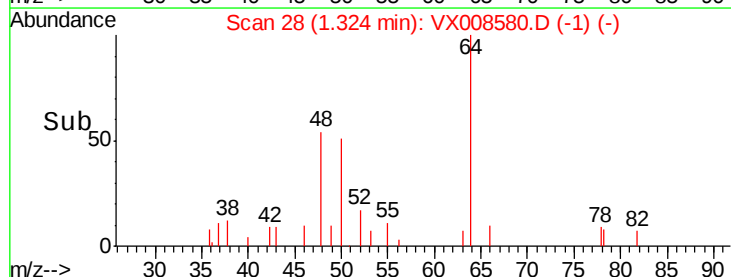
300

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

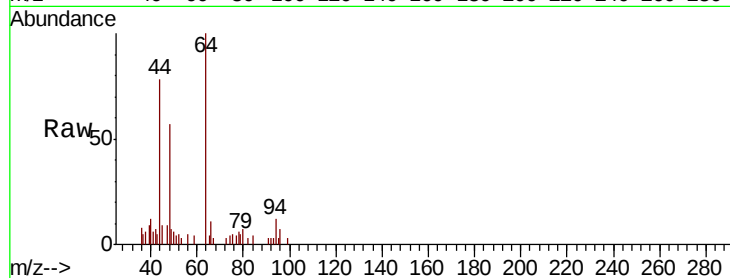
ClientSampled :

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

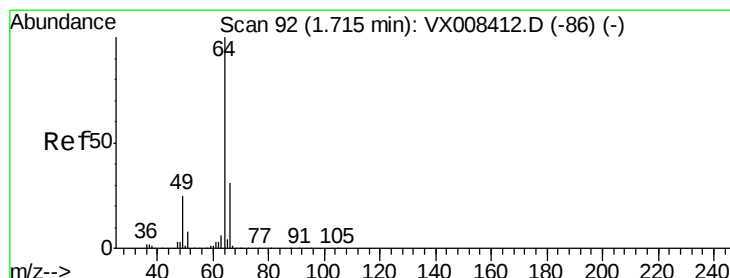
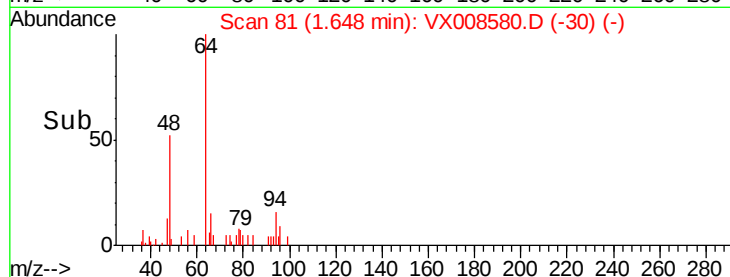
0

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

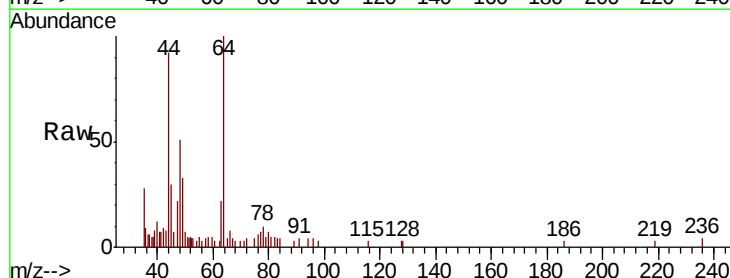
Acq: 01 Apr 2019 19:39

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

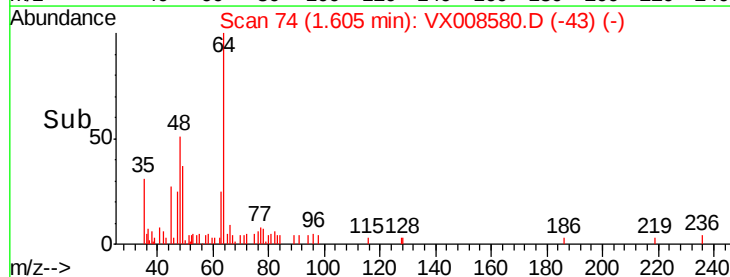
1.40

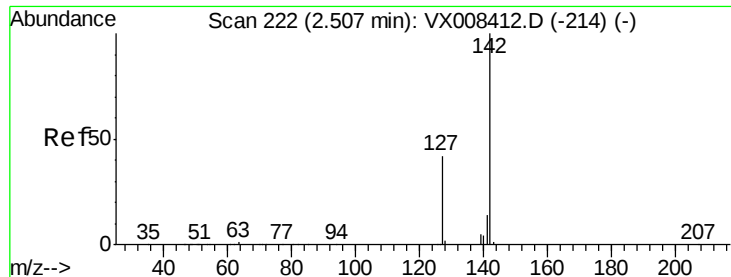
1.50

1.60

1.70

Time-->

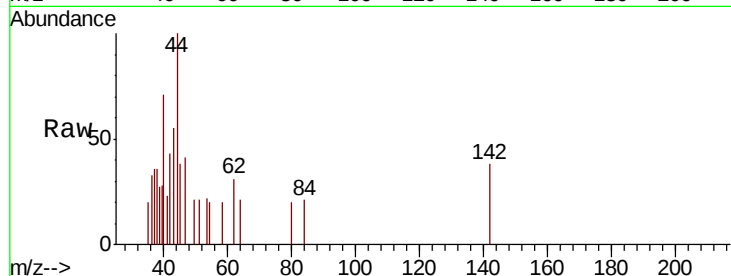




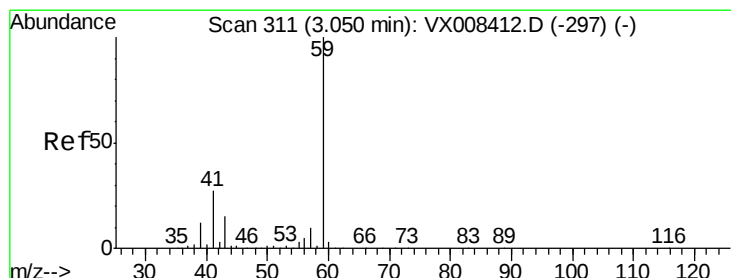
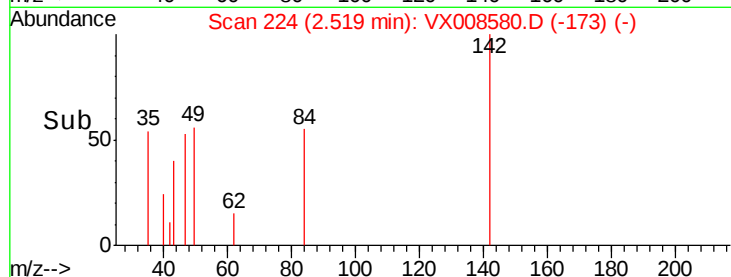
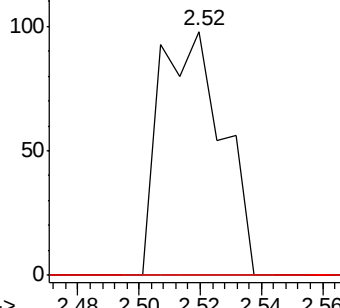
#10
Methvl Iodide
Concen: 4.184 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 139
Ion Ratio Lower Upper
142 100
127 0.0 33.6 50.4#
141 0.0 11.3 16.9#

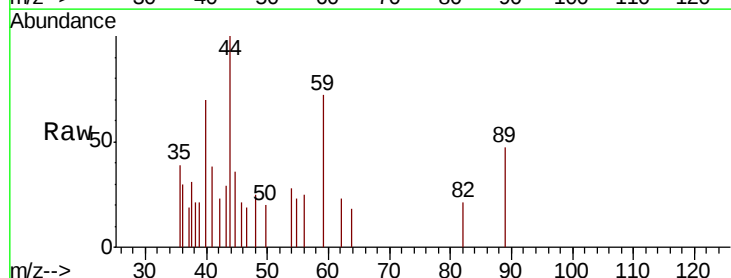


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

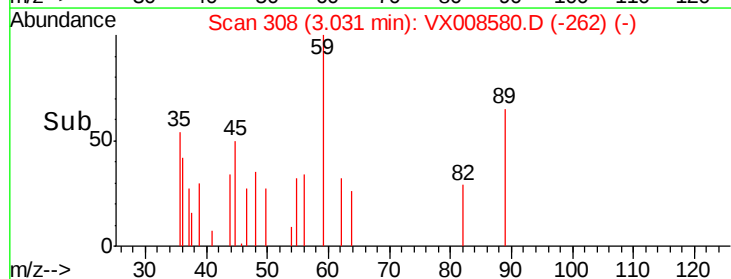
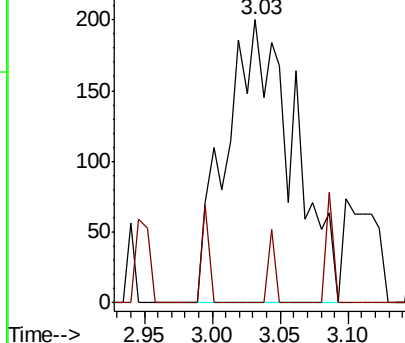


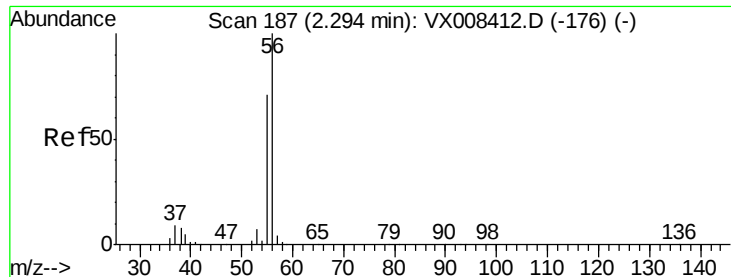
#11
Tert butyl alcohol
Concen: 0.960 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

Tgt Ion: 59 Resp: 690
Ion Ratio Lower Upper
59 100
57 2.8 8.2 12.4#



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





#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

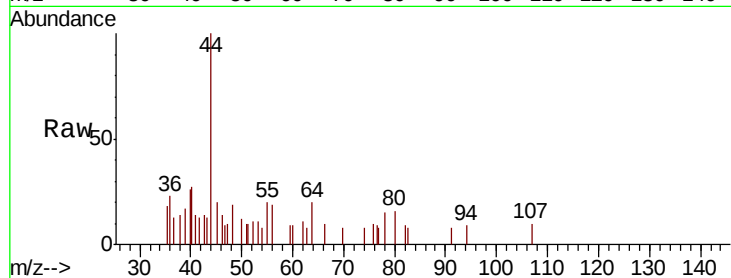
ClientSampleId :

Tot Ion: 56 Resp: 240

Ion Ratio Lower Upper

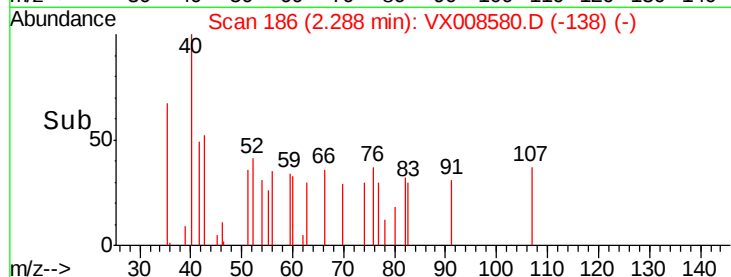
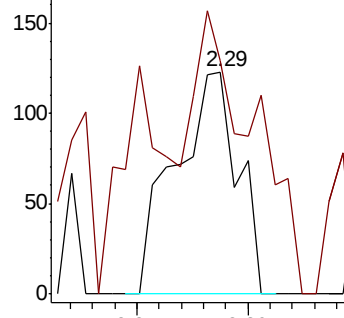
56 100

55 122.5 56.5 84.7#

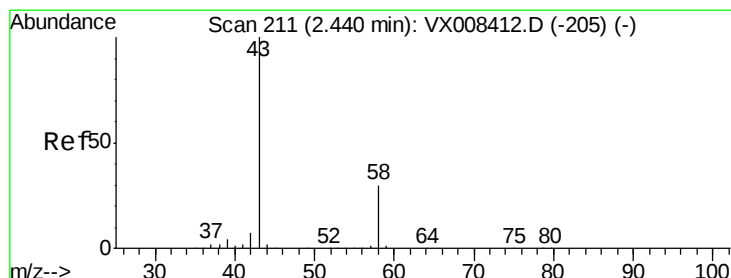


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 4.010 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008580.D

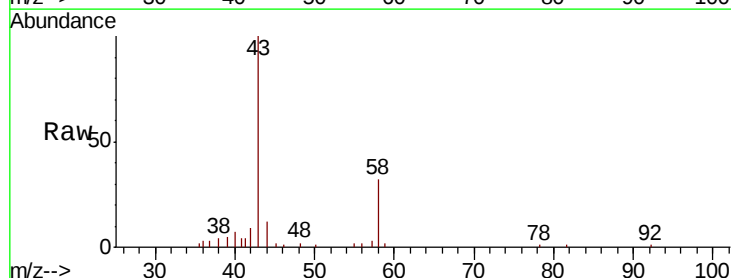
Acq: 01 Apr 2019 19:39

Tgt Ion: 43 Resp: 6796

Ion Ratio Lower Upper

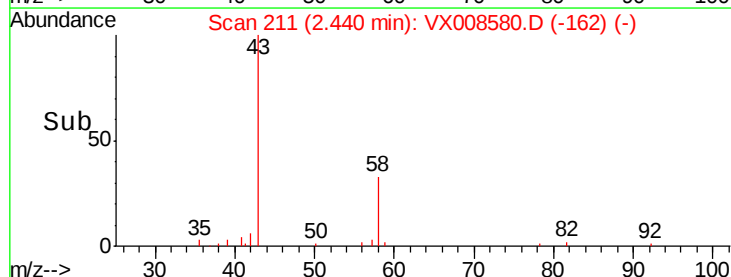
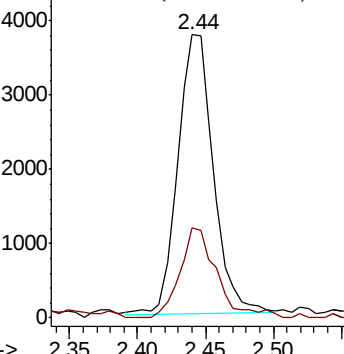
43 100

58 32.7 24.2 36.2

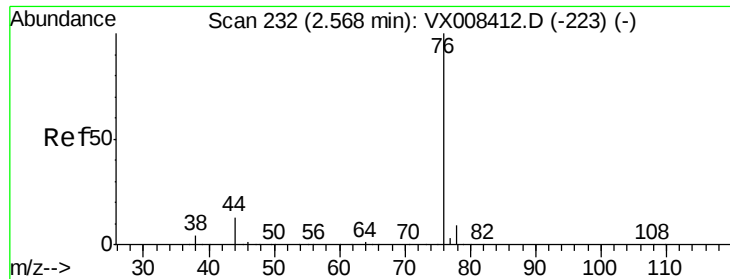


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#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

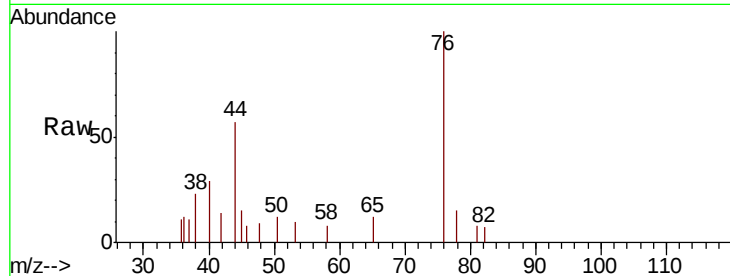
ClientSampleId :

Tot Ion: 76 Resp: 1224

Ion Ratio Lower Upper

76 100

78 15.3 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

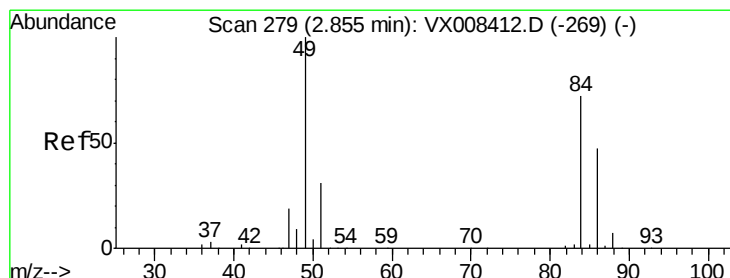
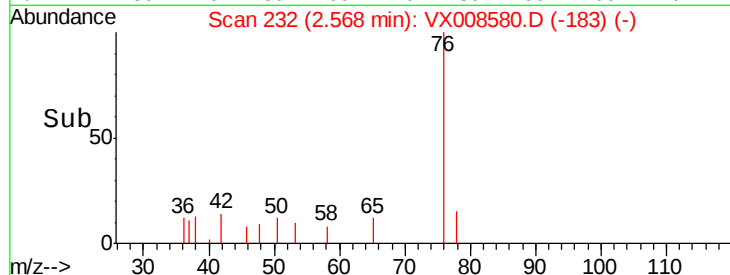
600

400

200

0

Time--> 2.50 2.55 2.60



#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

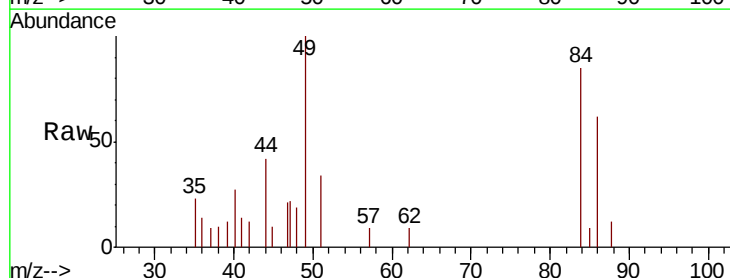
Ion Ratio Lower Upper

84 100

49 117.6 110.6 165.8

51 40.6 33.9 50.9

86 72.7 52.2 78.2



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

1200

1000

800

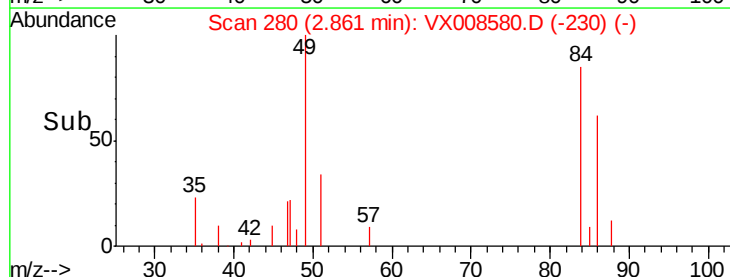
600

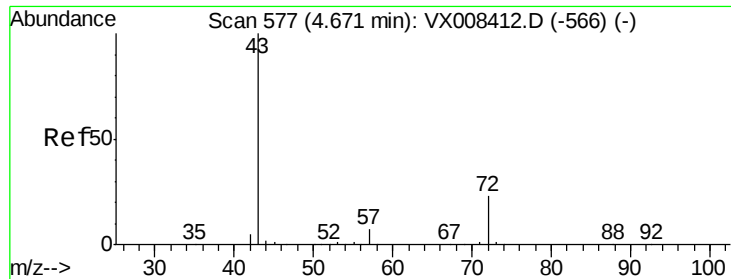
400

200

0

Time--> 2.80 2.85 2.90





#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

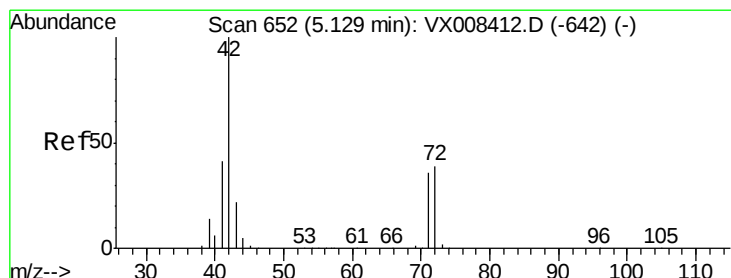
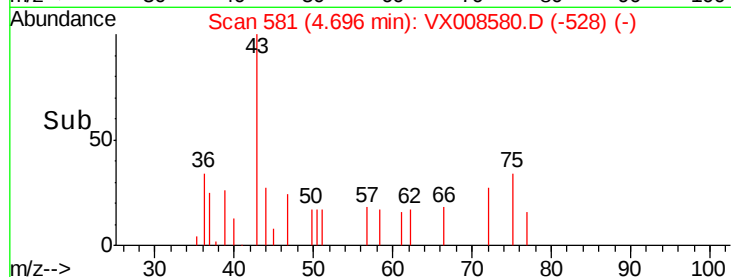
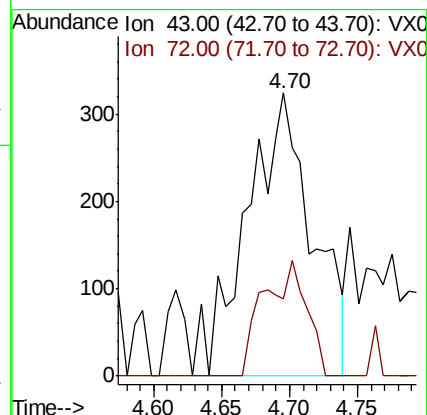
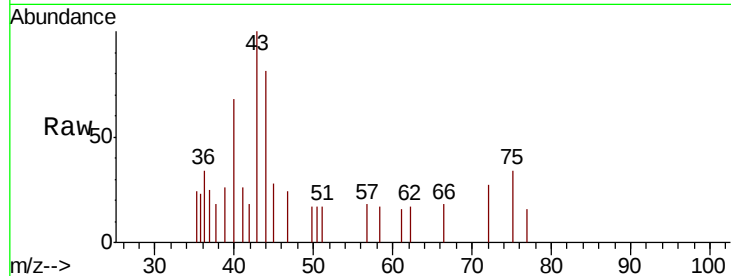
Instrument :
MSVOA_X
ClientSampleId :

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

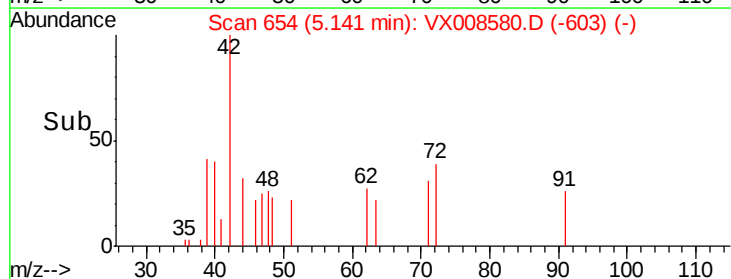
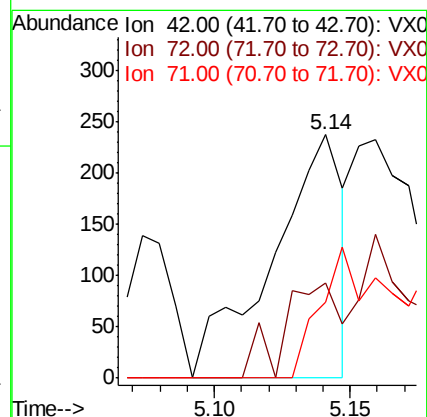
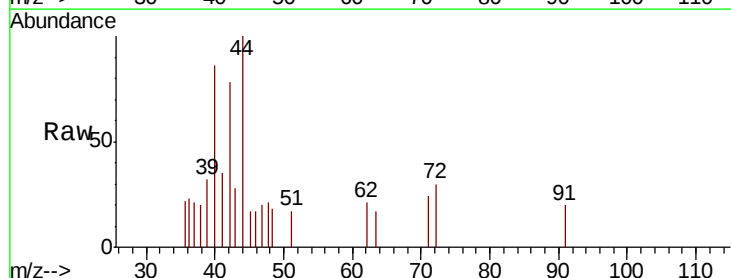
Tgt Ion: 42 Resp: 431

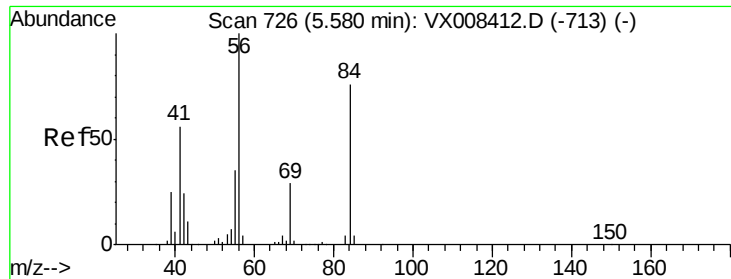
Ion Ratio Lower Upper

42 100

72 31.1 31.4 47.2#

71 49.7 29.4 44.2#

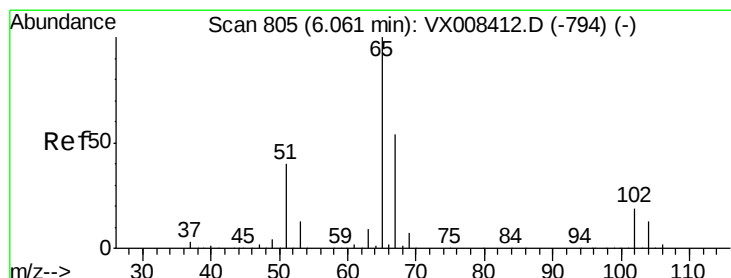
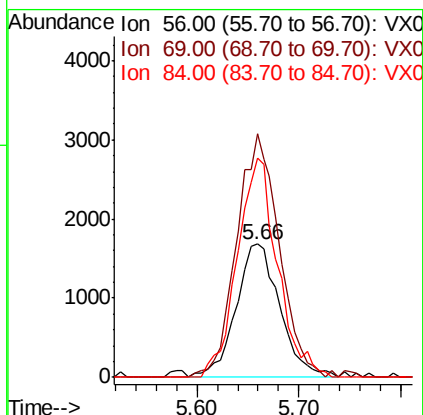
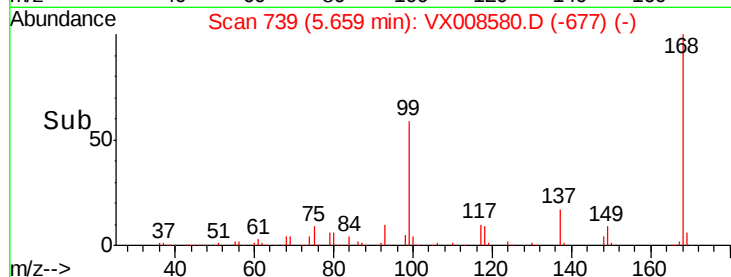
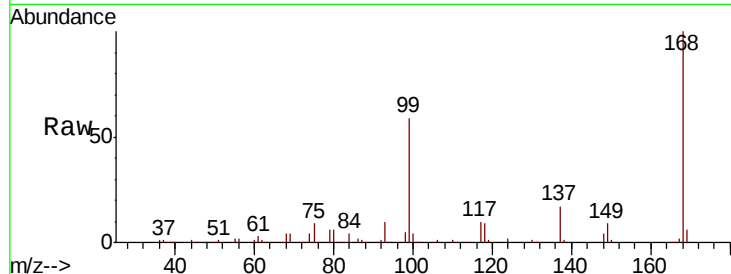




#31
Cyclohexane
Concen: 0.968 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

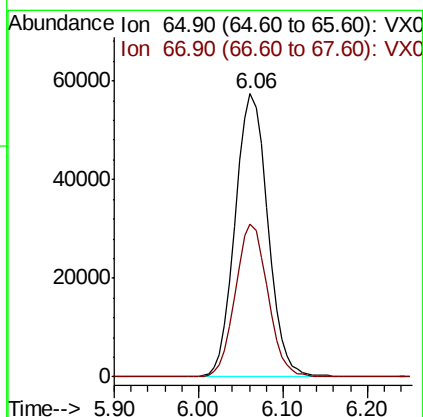
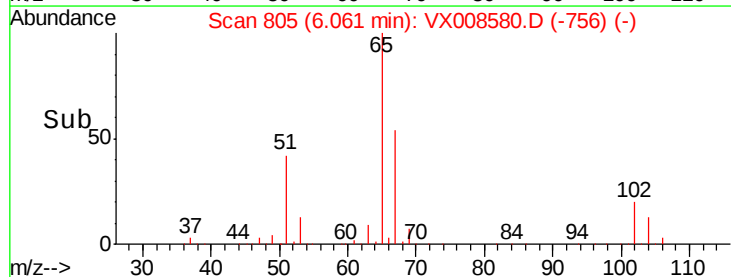
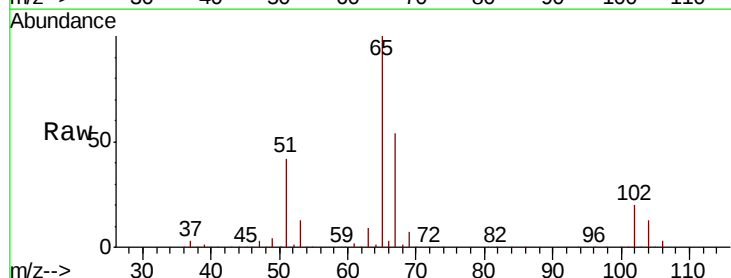
Instrument :
MSVOA_X
ClientSampleId :

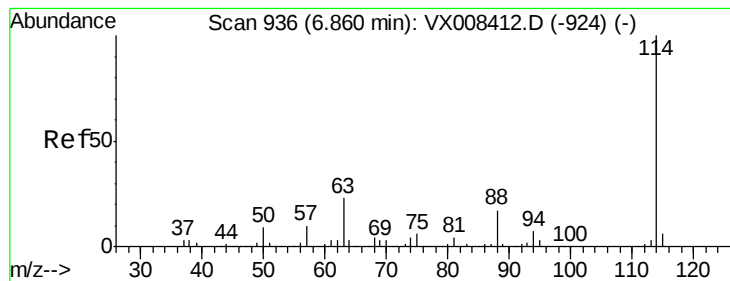
Tot Ion: 56 Resp: 5032
Ion Ratio Lower Upper
56 100
69 182.5 23.2 34.8#
84 164.4 60.7 91.1#



#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 :

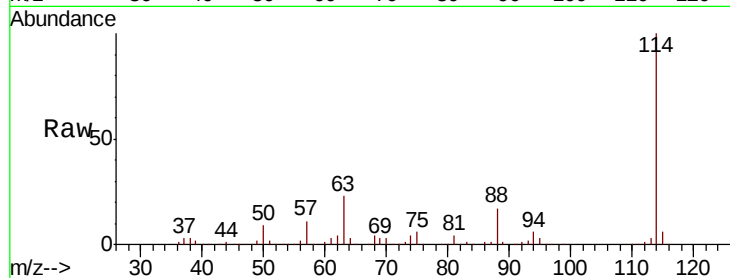
Tot Ion:114 Resp: 359090

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): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

150000

100000

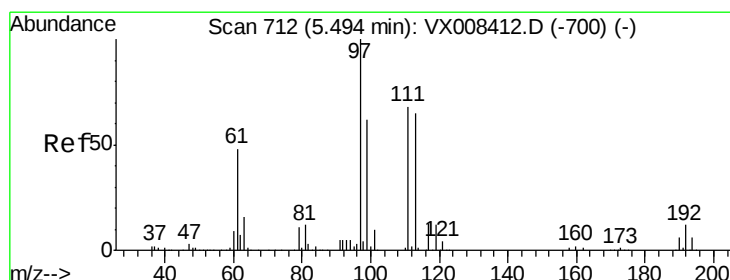
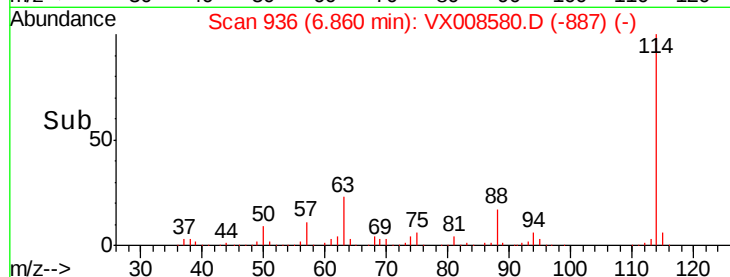
50000

0

6.86

6.70 6.80 6.90 7.00 7.10

Time-->



#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

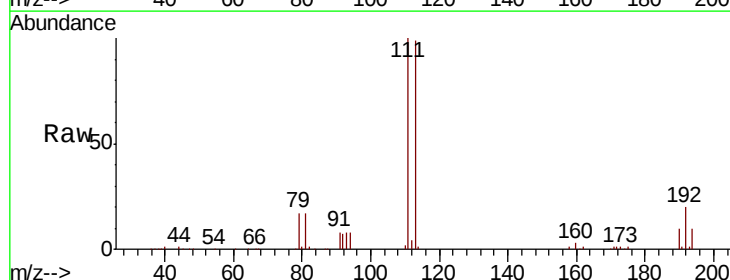
Tgt Ion:113 Resp: 110779

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

50000

40000

30000

20000

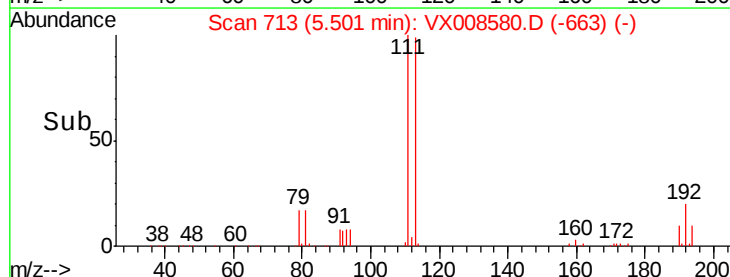
10000

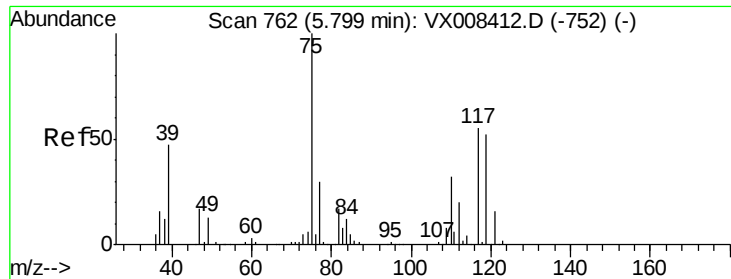
0

5.50

5.40 5.50 5.60

Time-->

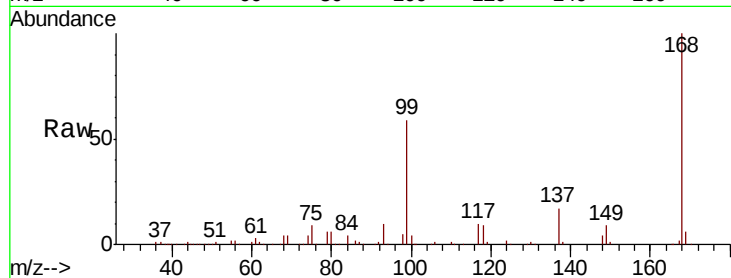




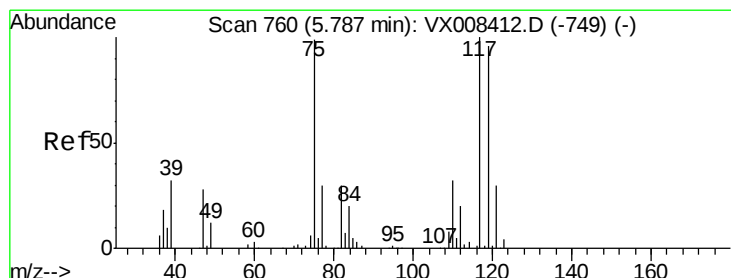
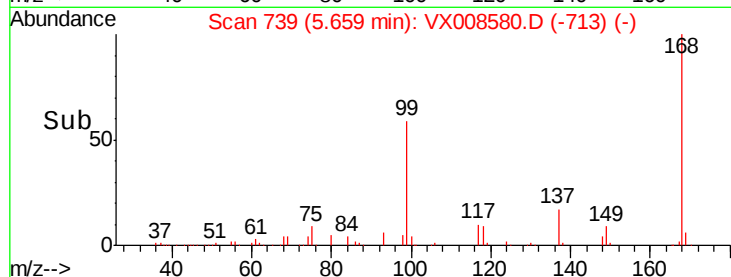
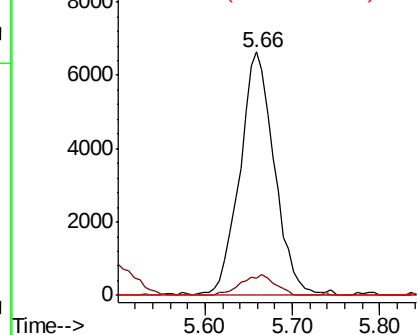
#36
 1,1-Dichloropropene
 Concen: 4.758 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008580.D
 Acq: 01 Apr 2019 19:39

Instrument :
 MSVOA_X
 ClientSampled :

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

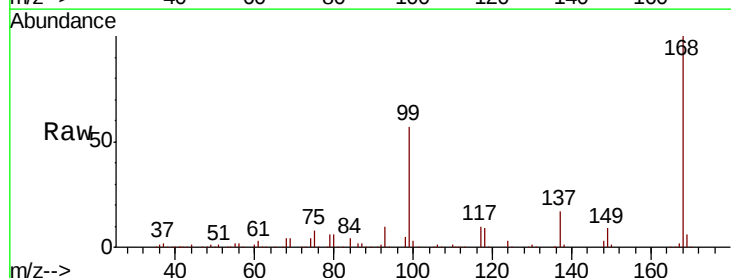


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

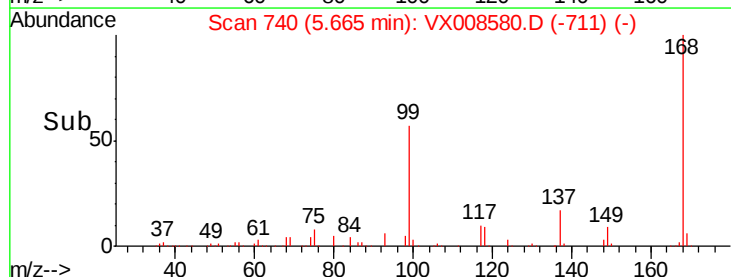
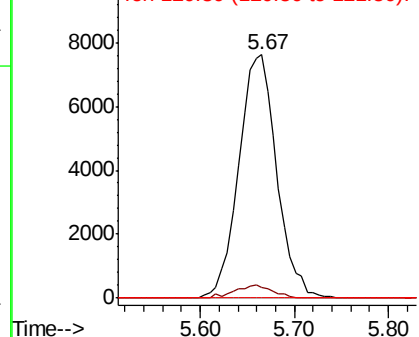


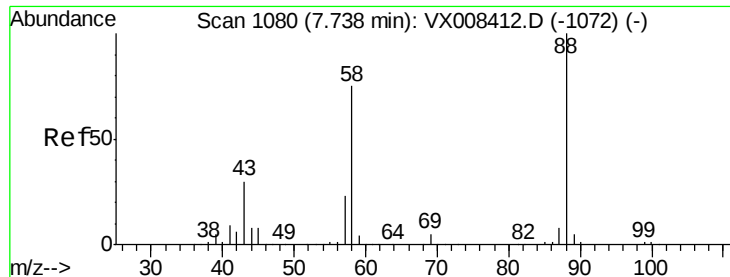
#38
 Carbon Tetrachloride
 Concen: 6.700 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008580.D
 Acq: 01 Apr 2019 19:39

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

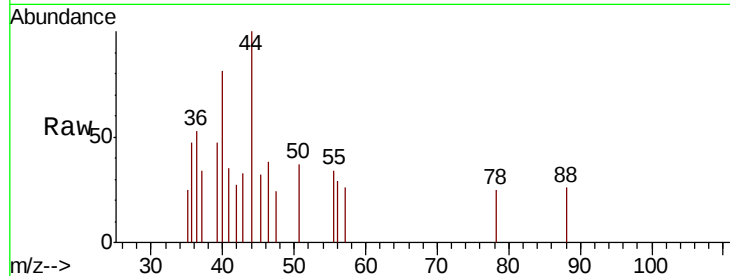
Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 88 Resp: 40

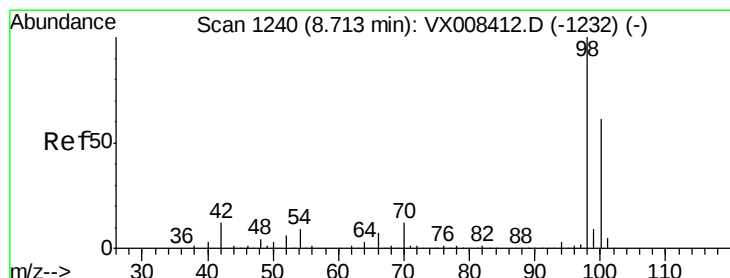
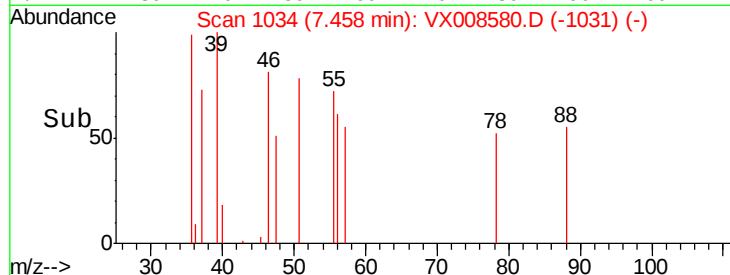
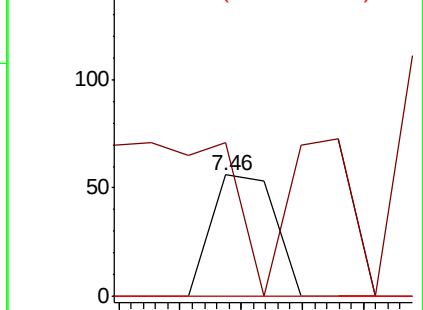
Ion	Ratio	Lower	Upper
88	100		
43	130.0	28.6	43.0#
58	0.0	63.0	94.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.538 ug/l

RT: 8.71 min Scan# 1240

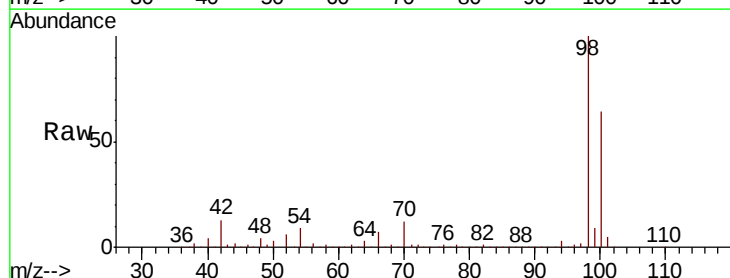
Delta R.T. 0.00 min

Lab File: VX008580.D

Acq: 01 Apr 2019 19:39

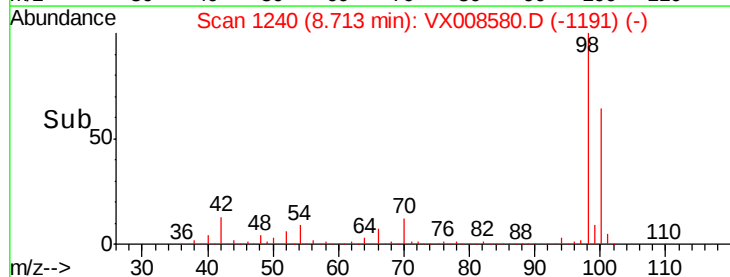
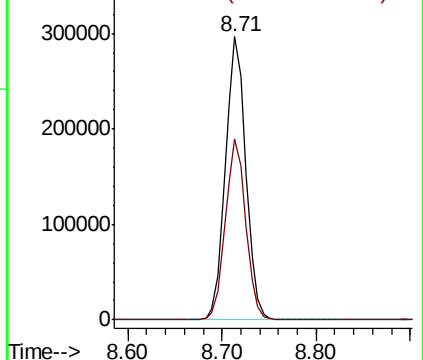
Tgt Ion: 98 Resp: 445069

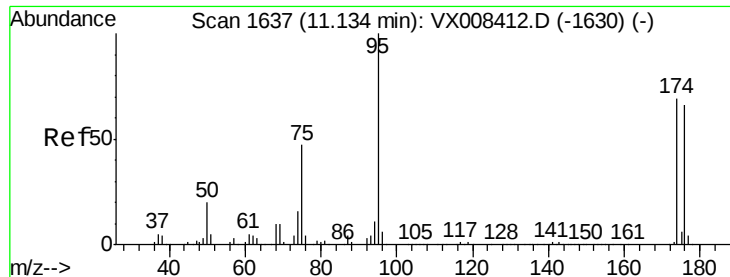
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#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 :

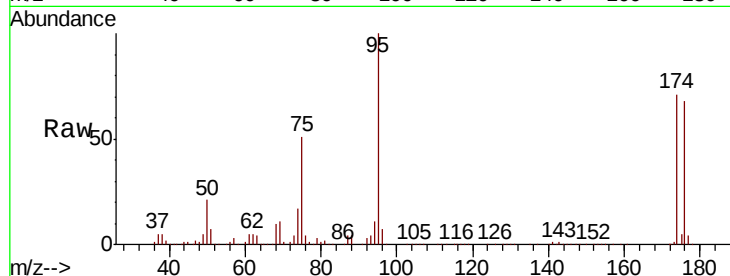
Tot Ion: 95 Resp: 145255

Ion Ratio Lower Upper

95 100

174 75.1 0.0 147.2

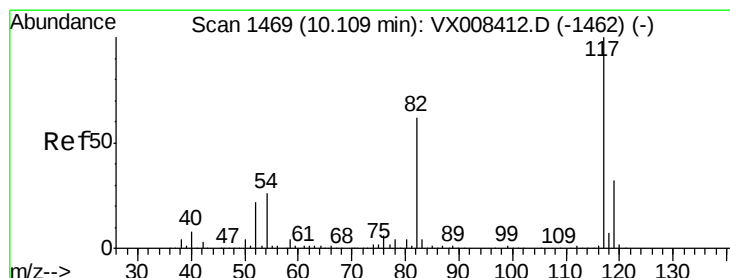
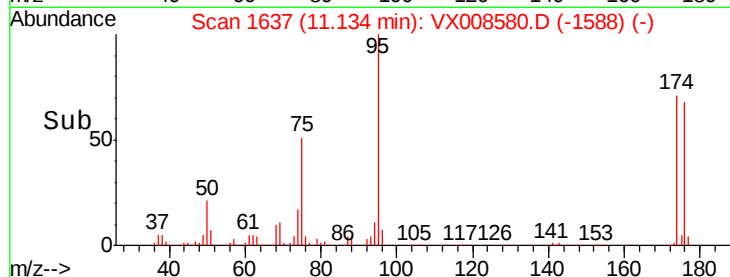
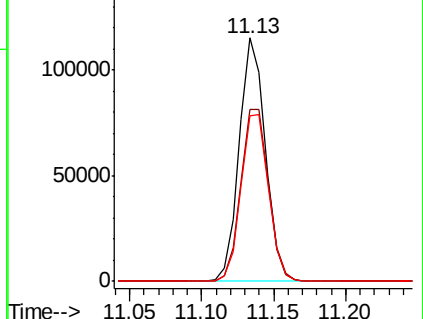
176 72.2 0.0 142.4



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

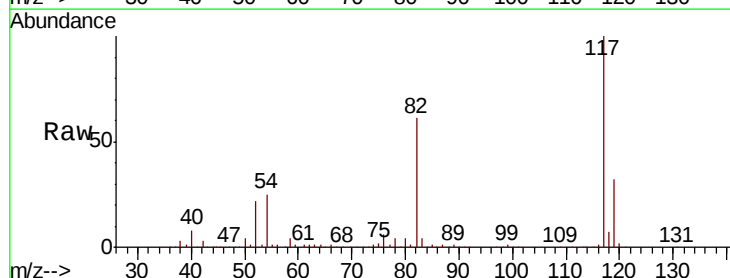
Tgt Ion: 117 Resp: 303063

Ion Ratio Lower Upper

117 100

82 61.4 49.4 74.2

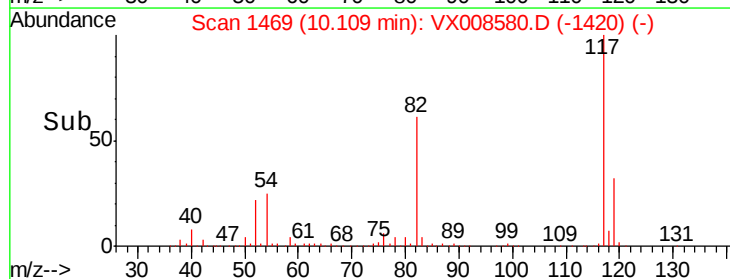
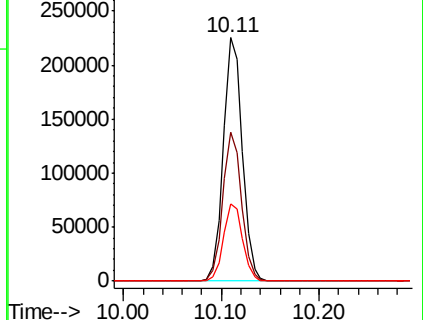
119 31.7 25.4 38.0

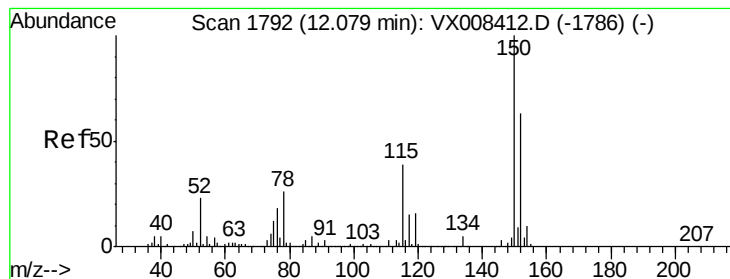


Abundance Ion 116.90 (116.60 to 117.60): VX008412.D (-1462) (-)

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

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



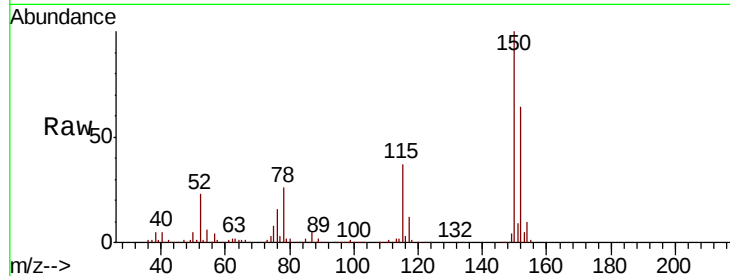


#72

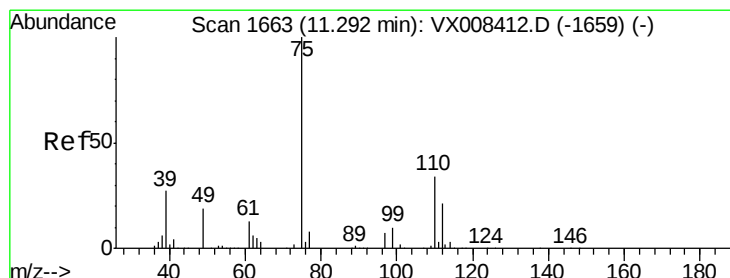
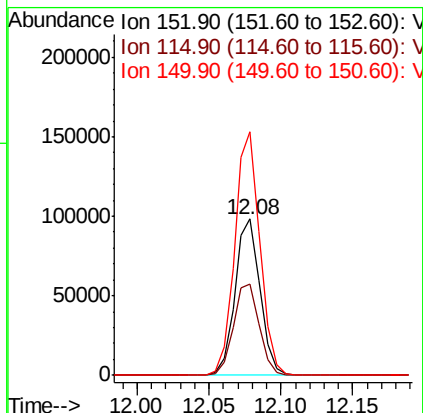
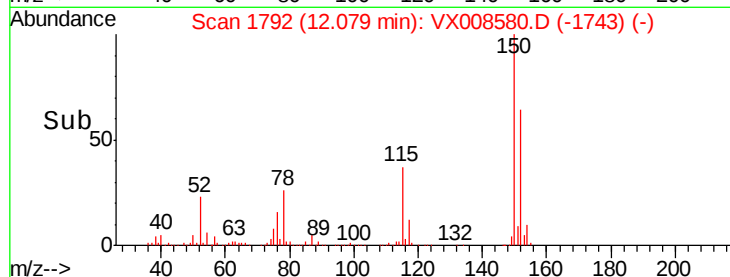
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

Instrument :
MSVOA_X
ClientSampled :

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



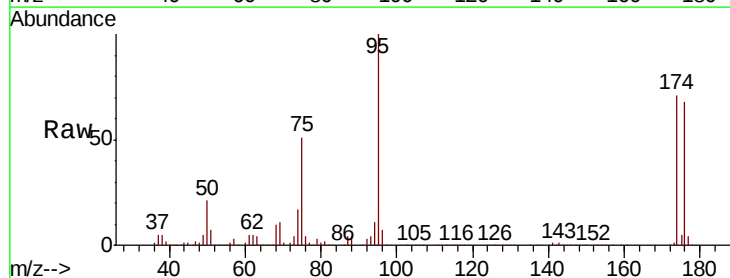
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



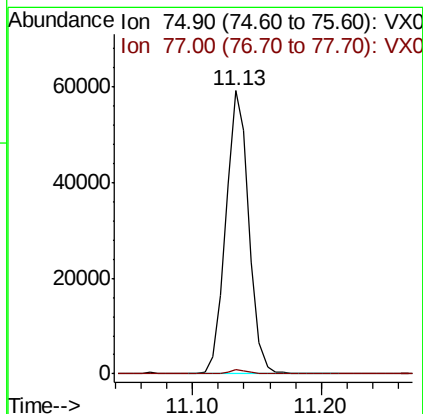
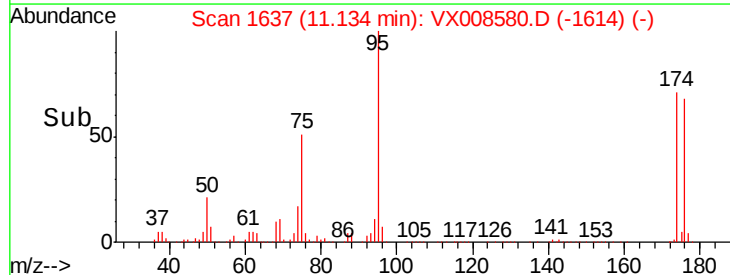
#76

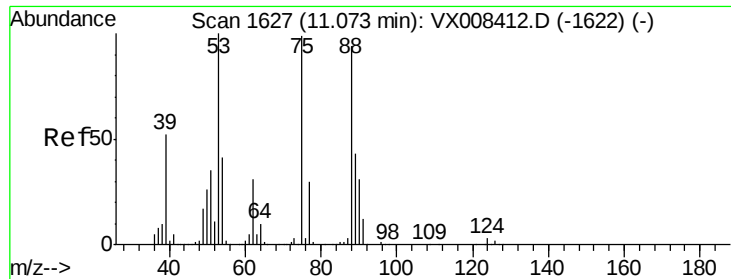
1,2,3-Trichloropropane
Concen: 20.984 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008580.D
Acq: 01 Apr 2019 19:39

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



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: 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 :

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#

