

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031219\
 Data File : VX008013.D
 Acq On : 12 Mar 2019 13:54
 Operator : JC/SP
 Sample : K1841-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20190308

Quant Time: Mar 13 05:18:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	369815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178875	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	133270	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
35) Dibromofluoromethane	5.51	113	124828	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	8.71	98	470805	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
62) 4-Bromofluorobenzene	11.13	95	174262	55.01	ug/l	0.00
Spiked Amount			Recovery	=	110.02%	

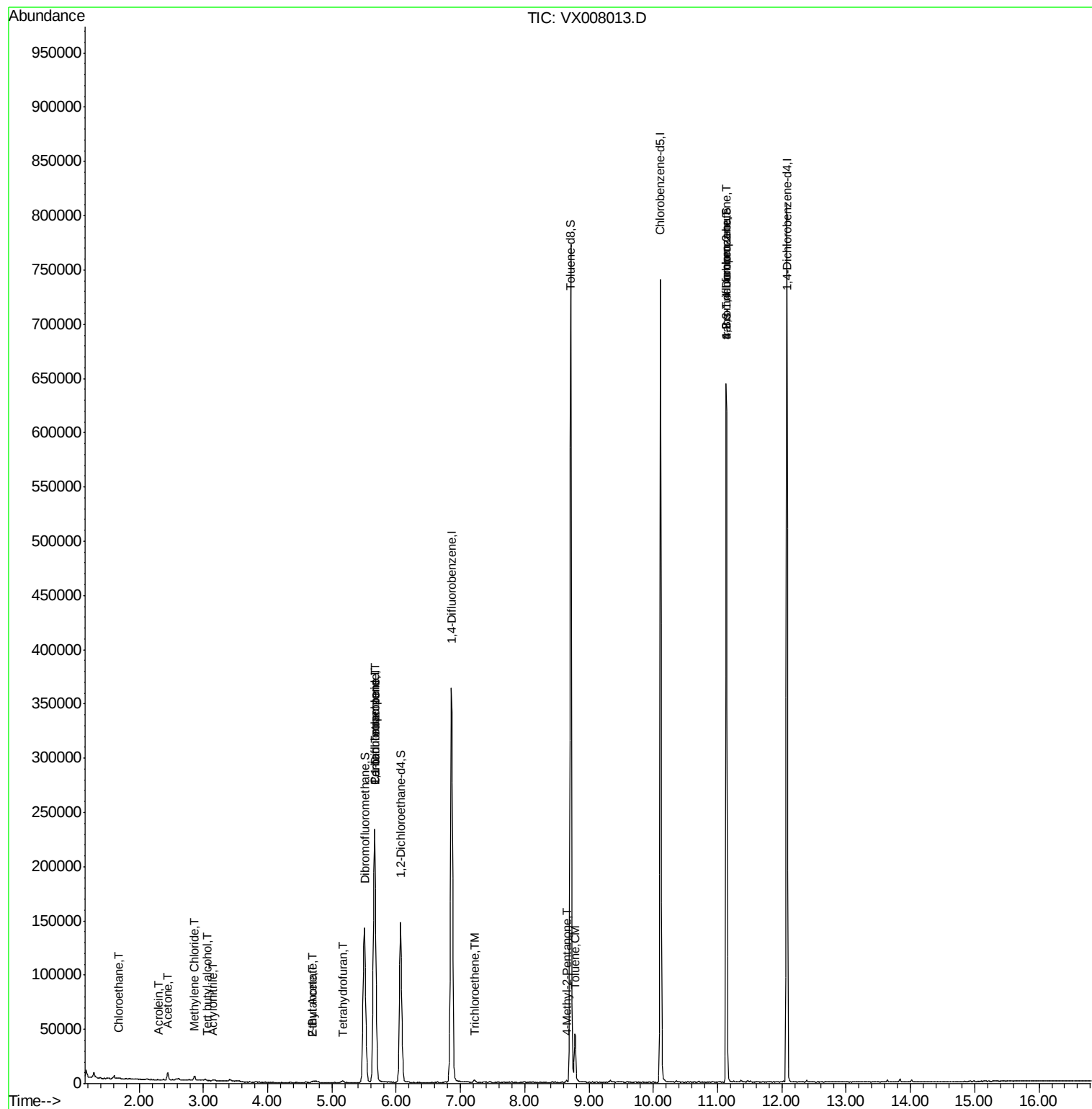
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	561	Below Cal		82
6) Chloroethane	1.68	64	1035	0.574	ug/l #	43
11) Tert butyl alcohol	3.06	59	294	0.503	ug/l #	73
13) Acrolein	2.30	56	164	2.034	ug/l #	62
15) Acrylonitrile	3.15	53	440	0.298	ug/l #	72
16) Acetone	2.45	43	7277	4.806	ug/l #	86
17) Carbon Disulfide	2.57	76	1540	Below Cal		98
20) Methylene Chloride	2.86	84	1639	0.680	ug/l	95
25) 2-Butanone	4.70	43	2267	1.058	ug/l #	89
29) Tetrahydrofuran	5.17	42	1240	0.927	ug/l	96
36) 1,1-Dichloropropene	5.66	75	15675	4.501	ug/l #	48
37) Ethyl Acetate	4.70	43	2267	0.549	ug/l #	68
38) Carbon Tetrachloride	5.67	117	21203	6.413	ug/l #	17
44) Trichloroethene	7.22	130	935	0.327	ug/l	85
51) 4-Methyl-2-Pentanone	8.65	43	1135	0.289	ug/l	94
52) Toluene	8.78	92	16070	2.539	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	80380	21.414	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	80380	68.451	ug/l #	11

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031219\
Data File : VX008013.D
Acq On : 12 Mar 2019 13:54
Operator : JC/SP
Sample : K1841-13
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB01-20190308

Quant Time: Mar 13 05:18:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

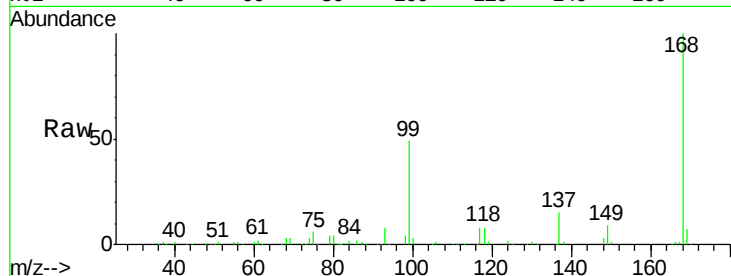
EB01-20190308

Tot Ion:168 Resp: 247969

Ion Ratio Lower Upper

168 100

99 48.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

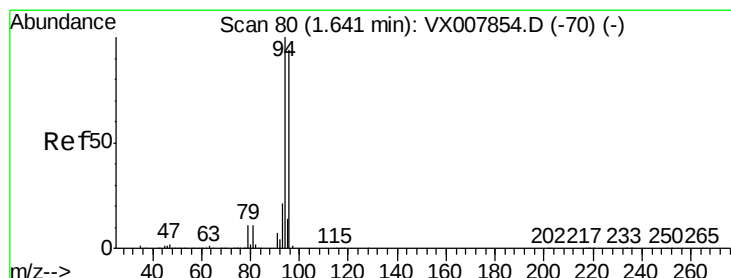
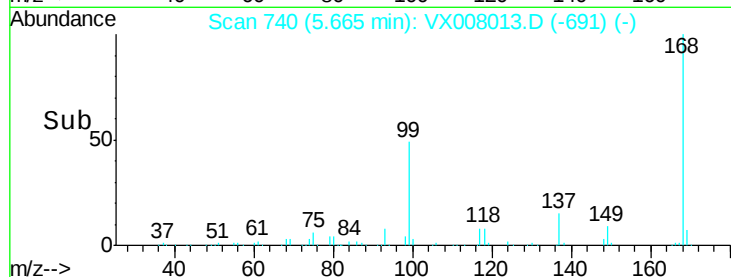
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008013.D

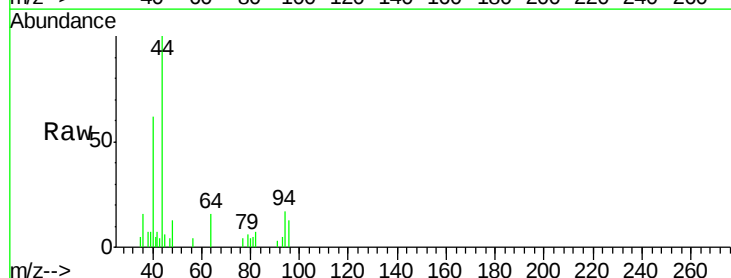
Acq: 12 Mar 2019 13:54

Tgt Ion: 94 Resp: 561

Ion Ratio Lower Upper

94 100

96 77.4 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

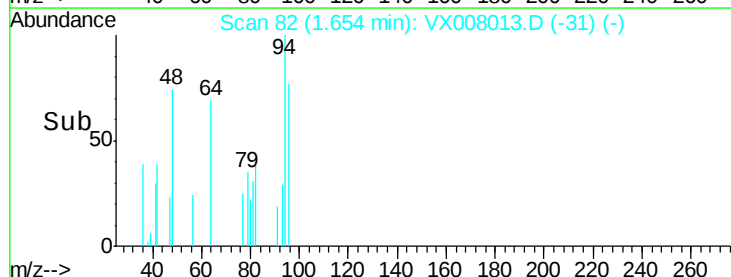
150

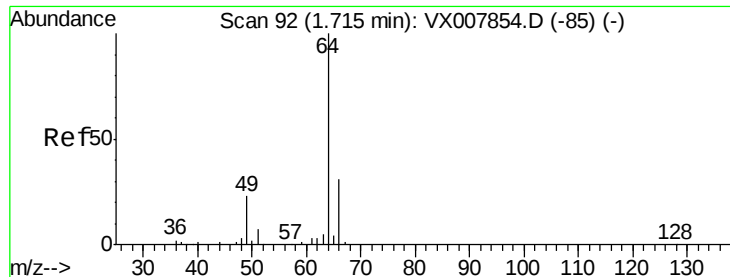
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.574 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

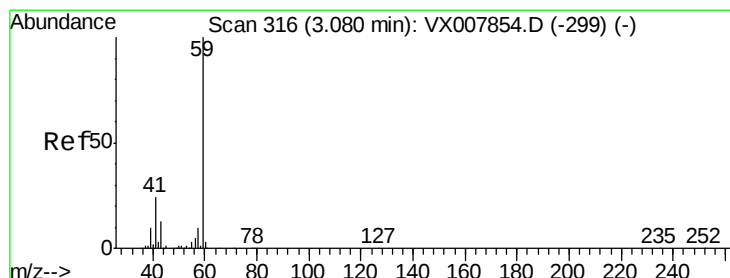
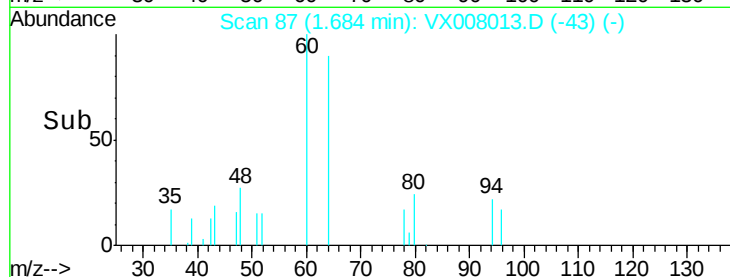
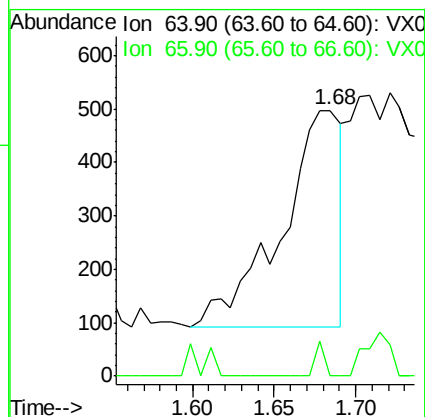
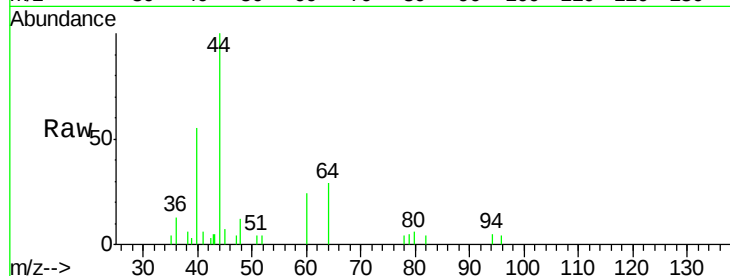
EB01-20190308

Tot Ion: 64 Resp: 1035

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#11

Tert butyl alcohol

Concen: 0.503 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX008013.D

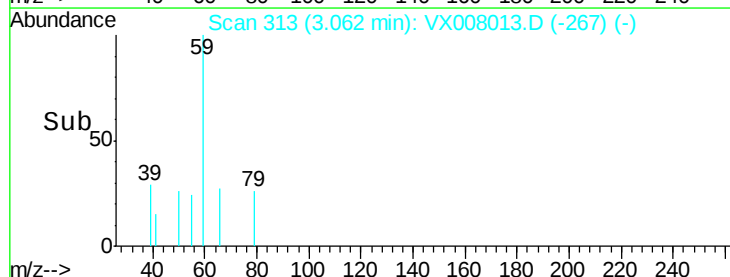
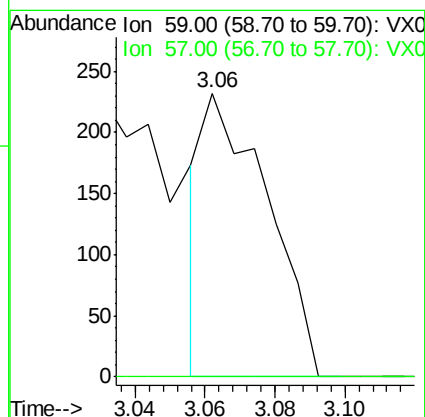
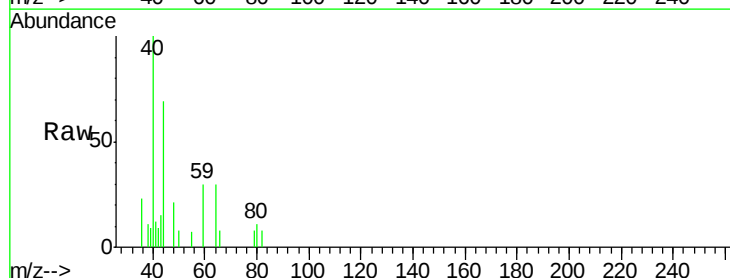
Acq: 12 Mar 2019 13:54

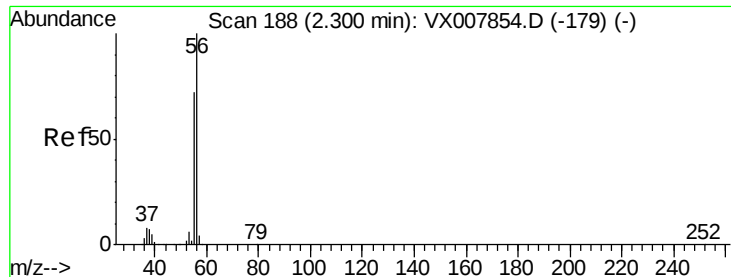
Tgt Ion: 59 Resp: 294

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#13

Acrolein

Concen: 2.034 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

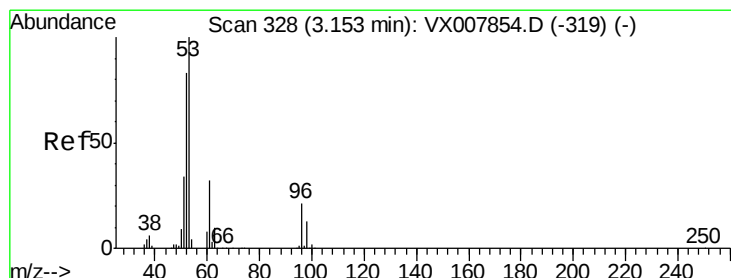
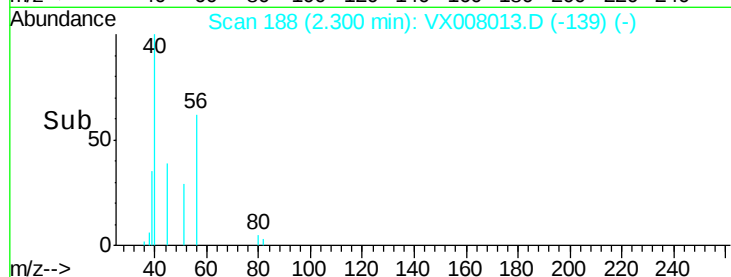
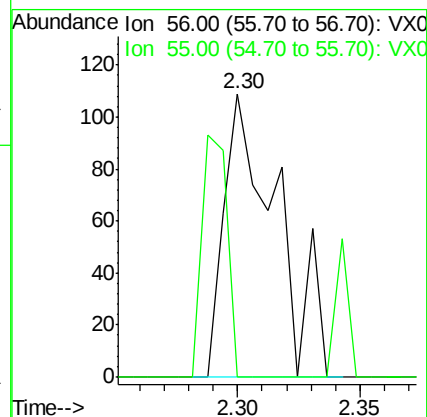
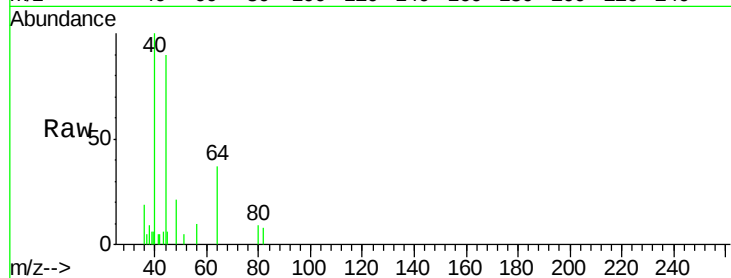
EB01-20190308

Tot Ion: 56 Resp: 164

Ion Ratio Lower Upper

56 100

55 40.2 57.8 86.6#



#15

Acrylonitrile

Concen: 0.298 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

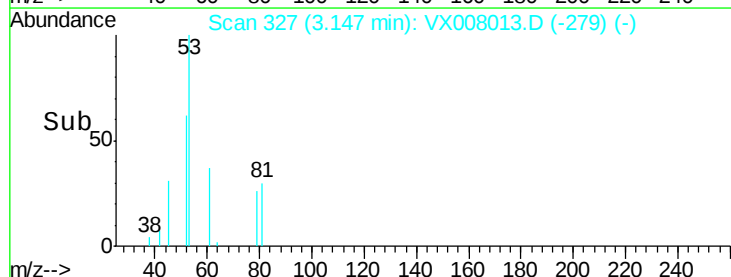
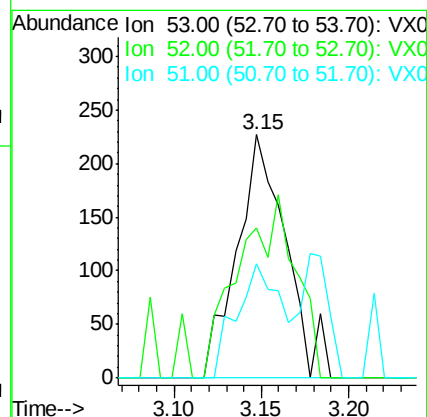
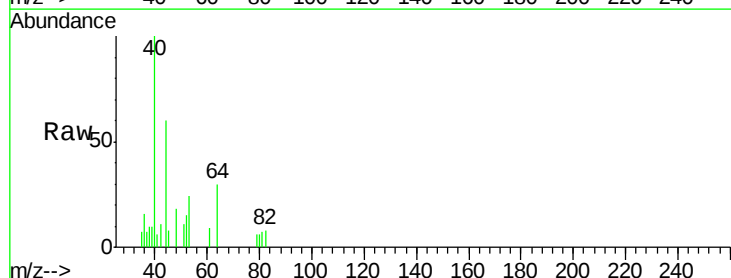
Tgt Ion: 53 Resp: 440

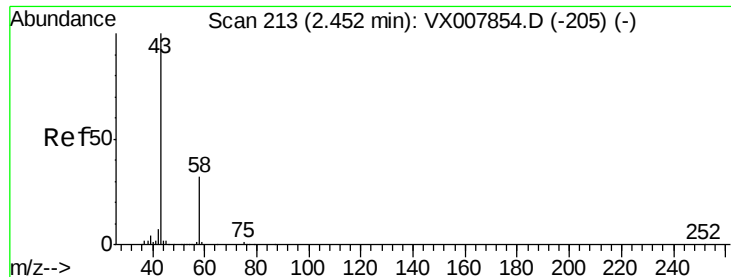
Ion Ratio Lower Upper

53 100

52 51.1 66.0 99.0#

51 42.3 28.0 42.0#





#16

Acetone

Concen: 4.806 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

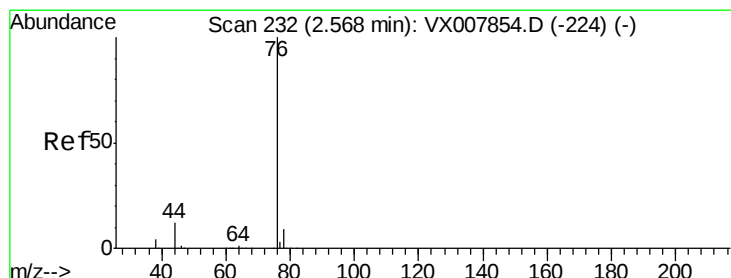
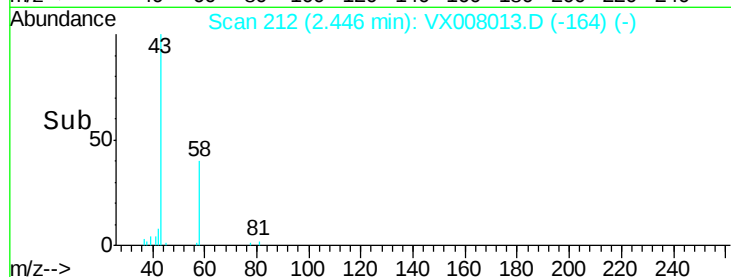
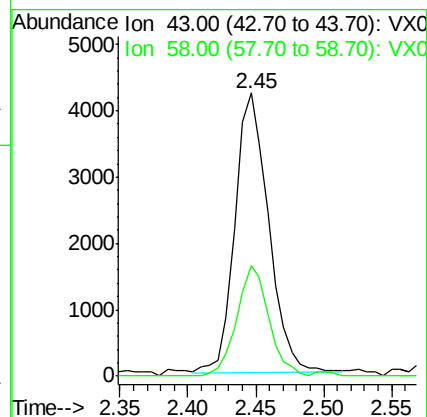
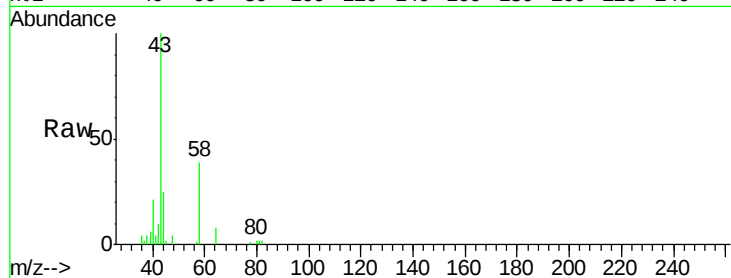
EB01-20190308

Tot Ion: 43 Resp: 7277

Ion Ratio Lower Upper

43 100

58 39.5 25.5 38.3#



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008013.D

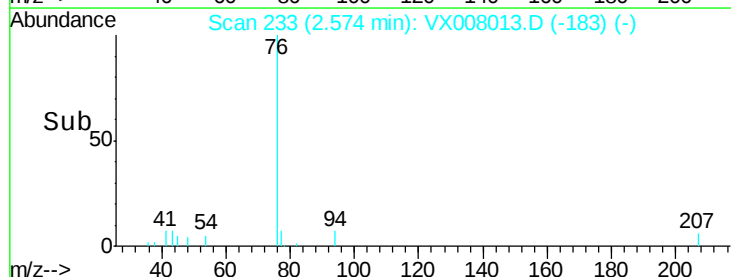
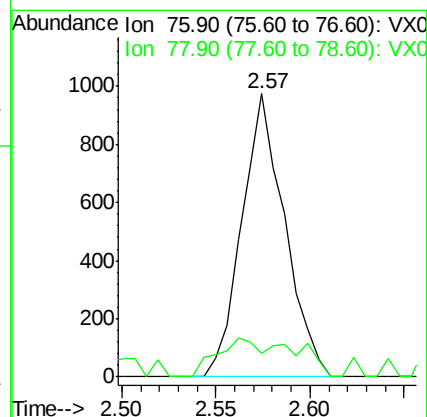
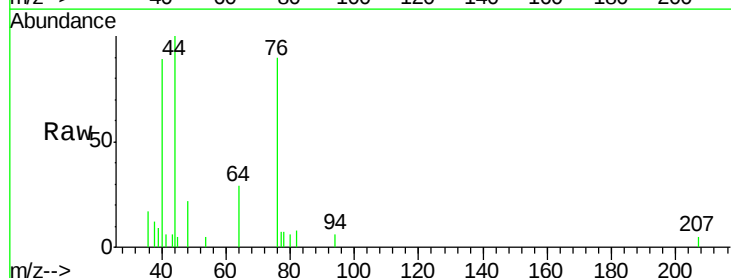
Acq: 12 Mar 2019 13:54

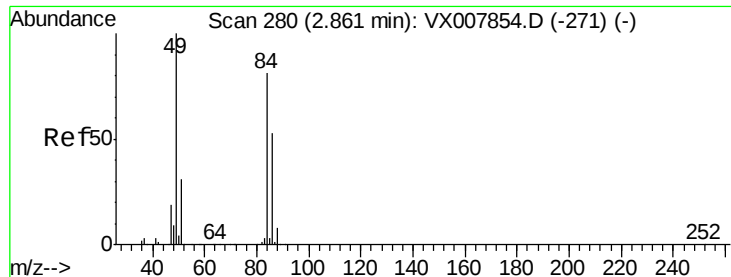
Tgt Ion: 76 Resp: 1540

Ion Ratio Lower Upper

76 100

78 8.2 7.2 10.8

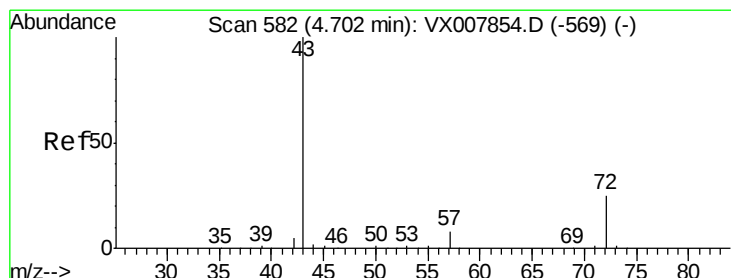
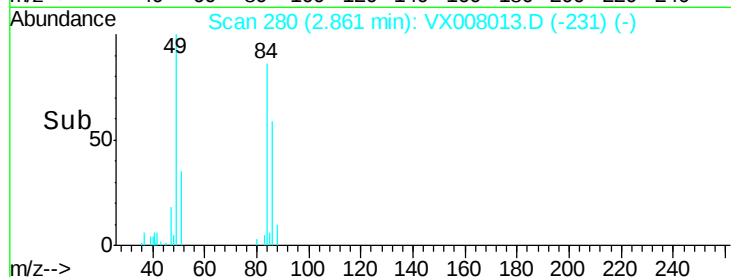
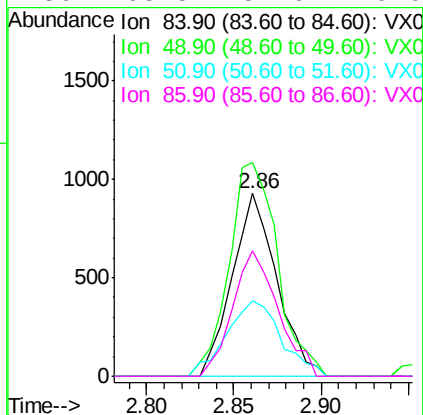
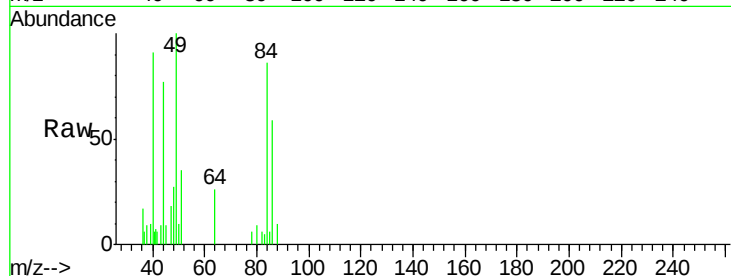




#20
Methvlene Chloride
Concen: 0.680 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008013.D
Acq: 12 Mar 2019 13:54

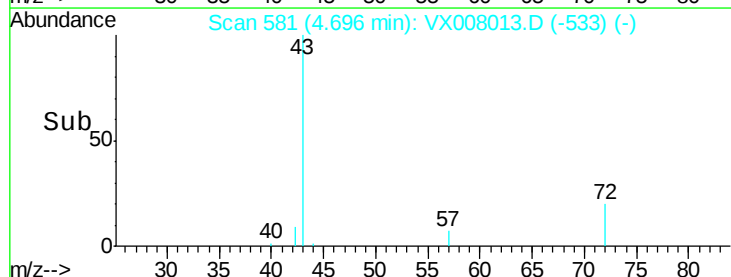
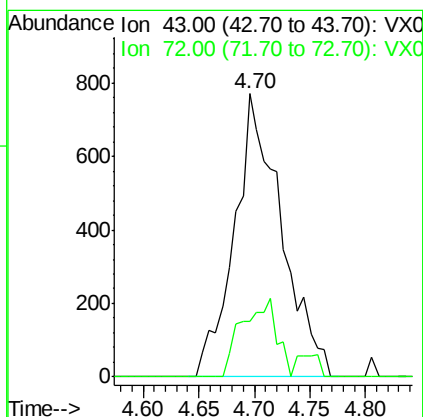
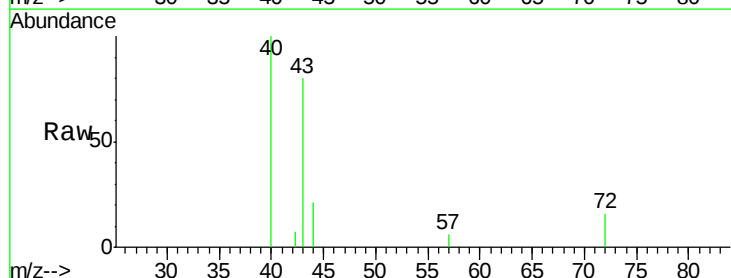
Instrument :
MSVOA_X
ClientSampleId :
EB01-20190308

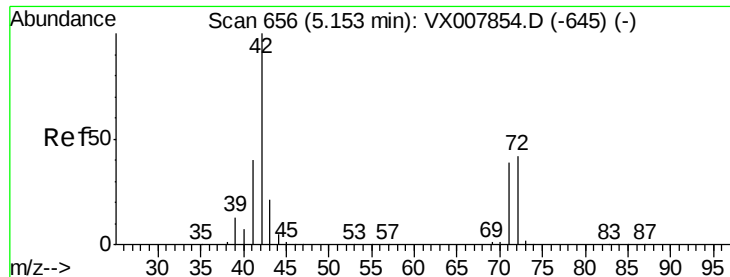
Tot Ion:	84	Resp:	1639
Ion	Ratio	Lower	Upper
84	100		
49	116.8	99.3	148.9
51	41.1	31.3	46.9
86	68.5	52.6	79.0



#25
2-Butanone
Concen: 1.058 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX008013.D
Acq: 12 Mar 2019 13:54

Tgt Ion:	43	Resp:	2267
Ion	Ratio	Lower	Upper
43	100		
72	19.6	19.9	29.9#

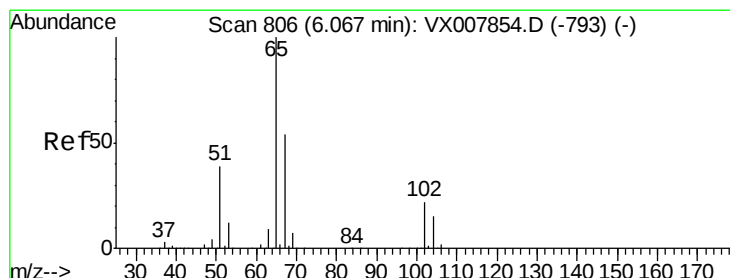
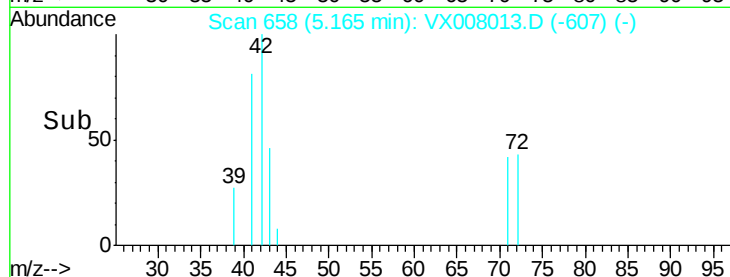
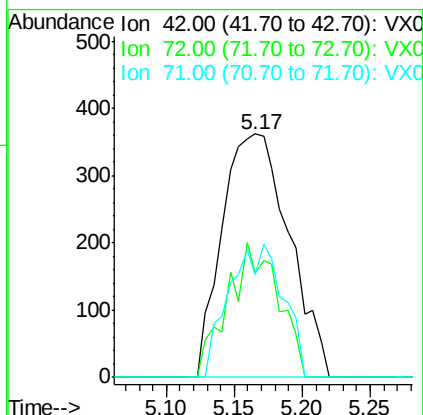
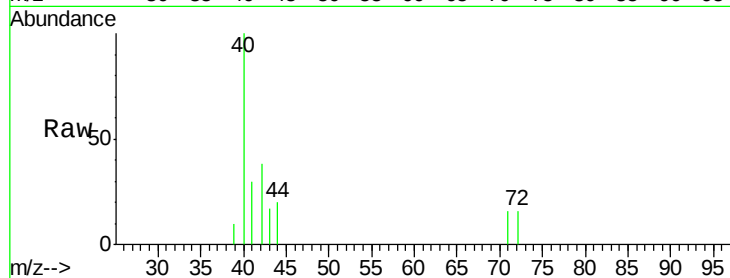




#29
Tetrahydrofuran
Concen: 0.927 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX008013.D
Acq: 12 Mar 2019 13:54

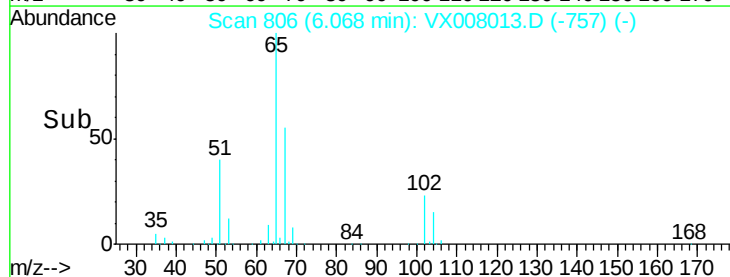
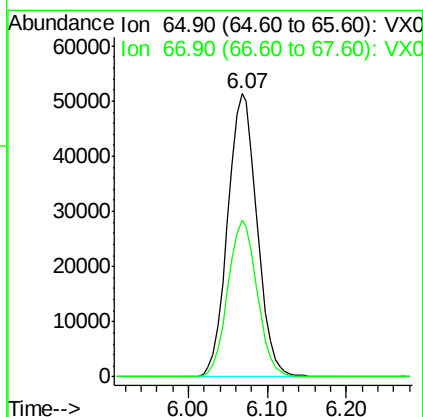
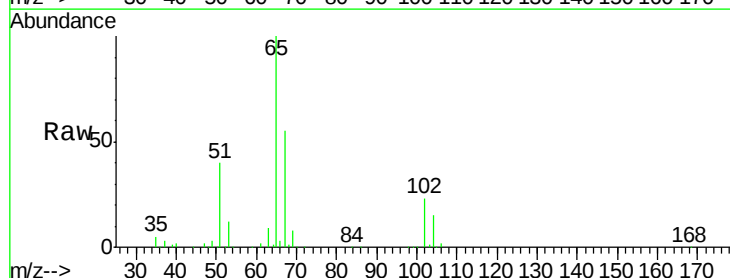
Instrument :
MSVOA_X
ClientSampleId :
EB01-20190308

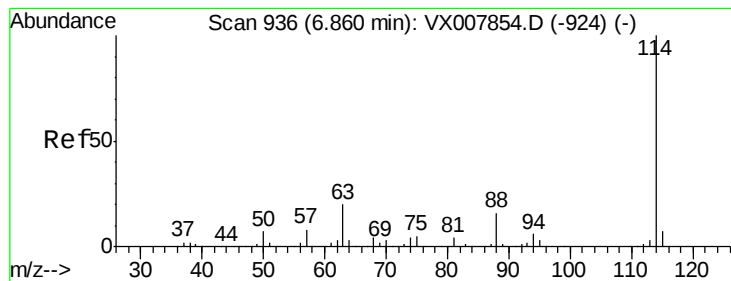
Tot Ion: 42 Resp: 1240
Ion Ratio Lower Upper
42 100
72 41.9 33.8 50.6
71 44.2 31.5 47.3



#33
1,2-Dichloroethane-d4
Concen: 50.947 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX008013.D
Acq: 12 Mar 2019 13:54

Tgt Ion: 65 Resp: 133270
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

EB01-20190308

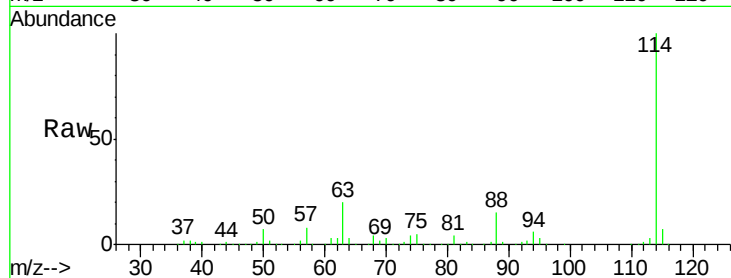
Tot Ion:114 Resp: 384584

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

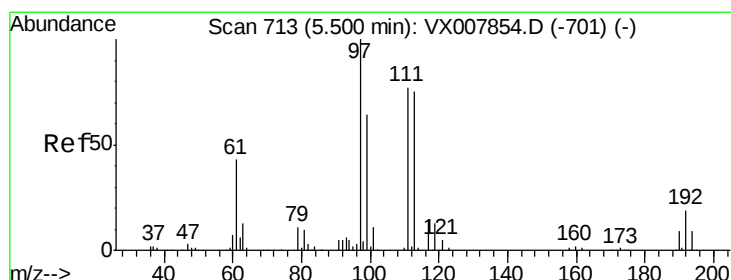
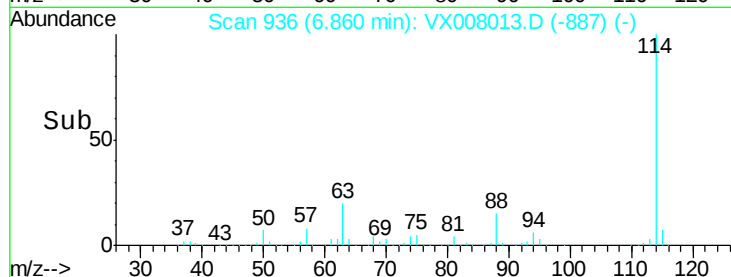
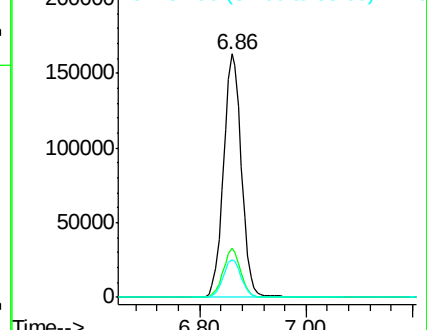
88 15.5 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.742 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

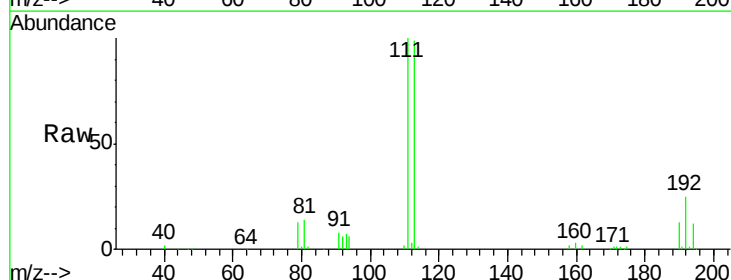
Tgt Ion:113 Resp: 124828

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

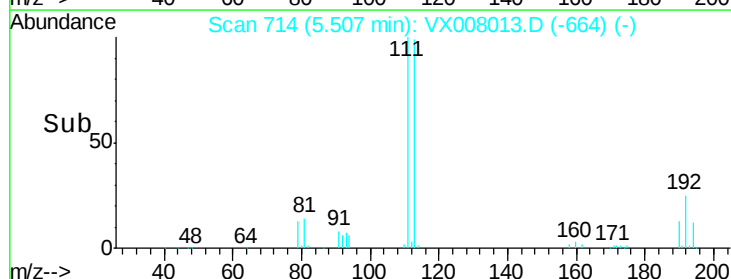
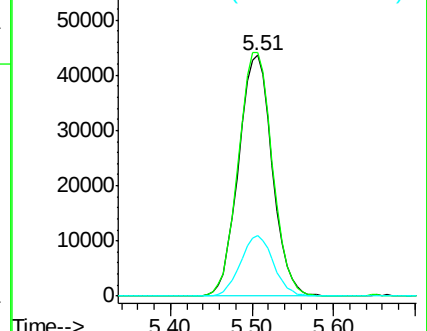
192 24.6 19.4 29.0

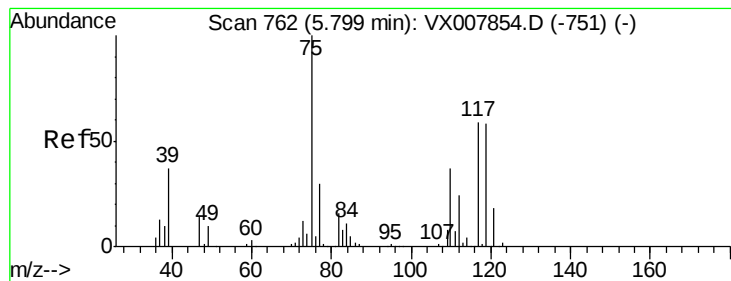


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.501 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

EB01-20190308

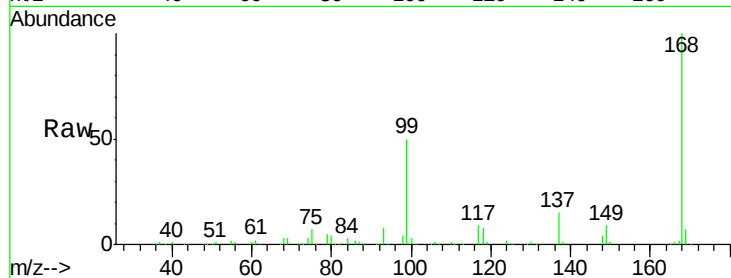
Tot Ion: 75 Resp: 15675

Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.0#

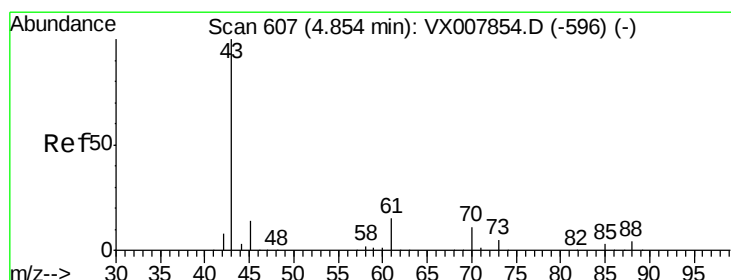
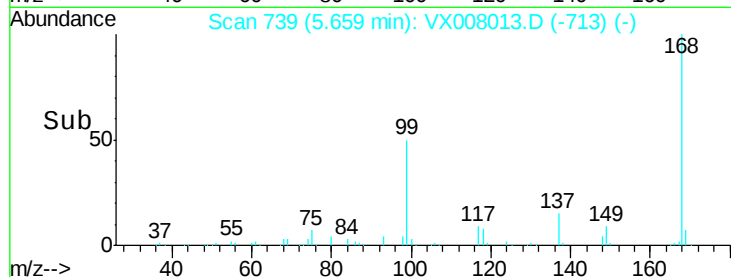
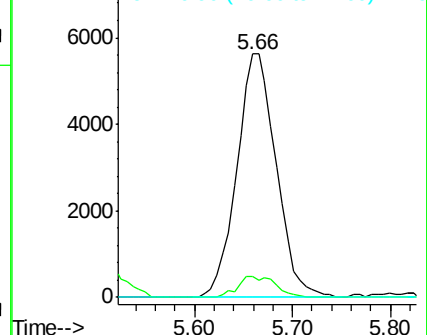
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.549 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.16 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

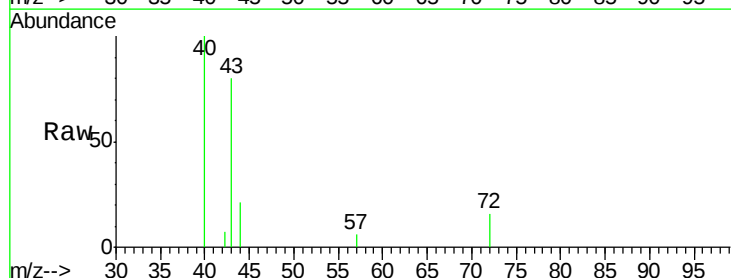
Tgt Ion: 43 Resp: 2267

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

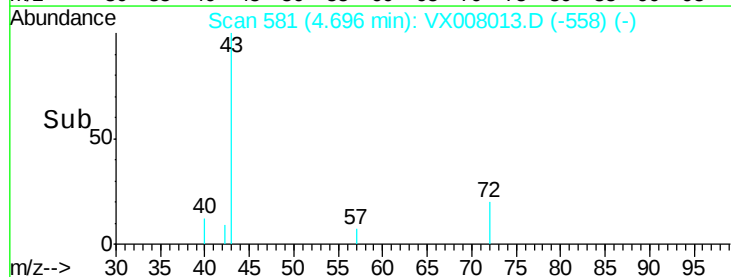
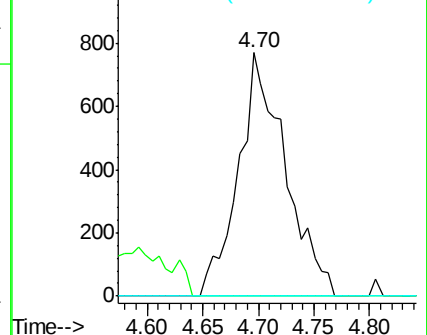
70 0.0 8.5 12.7#

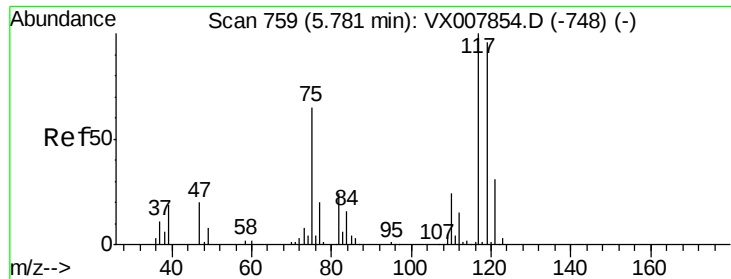


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.413 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

EB01-20190308

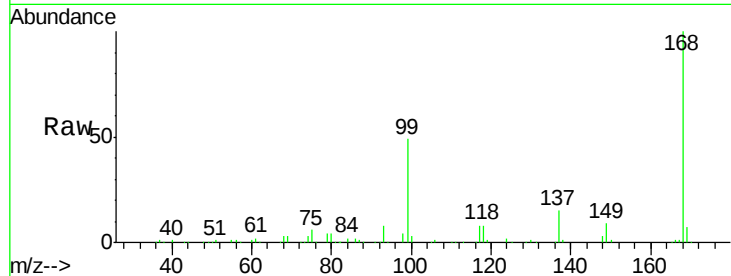
Tot Ion:117 Resp: 21203

Ion Ratio Lower Upper

117 100

119 6.4 76.2 114.2#

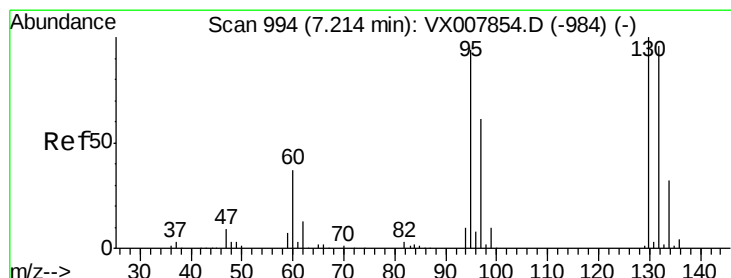
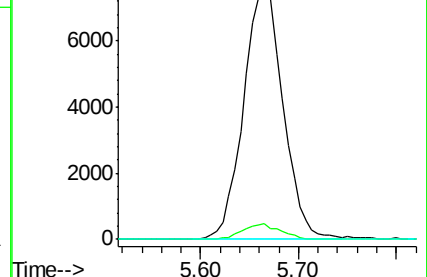
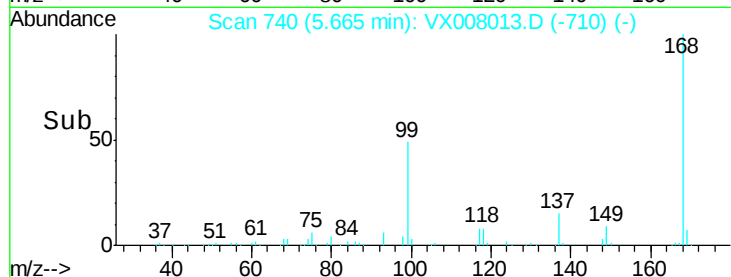
121 0.0 24.6 36.8#



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: 0.327 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008013.D

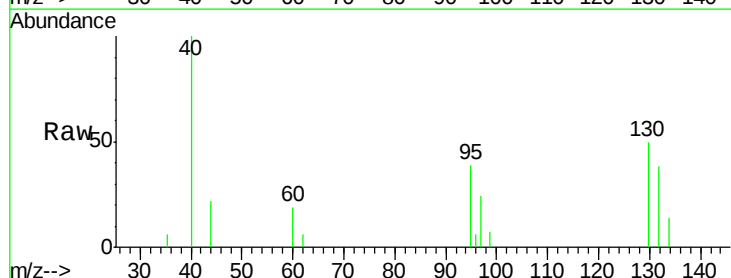
Acq: 12 Mar 2019 13:54

Tgt Ion:130 Resp: 935

Ion Ratio Lower Upper

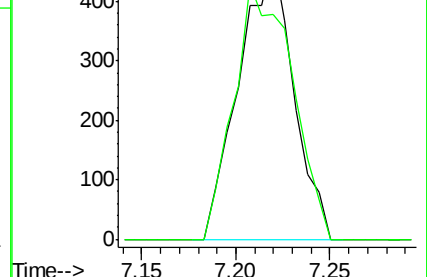
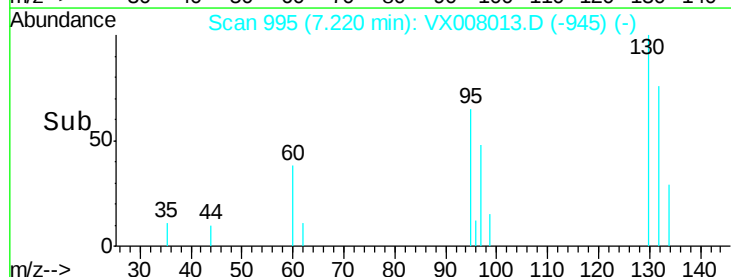
130 100

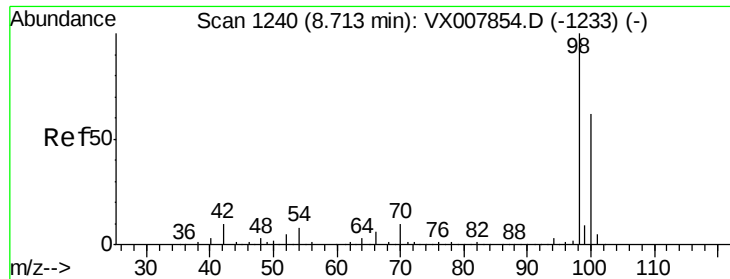
95 79.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

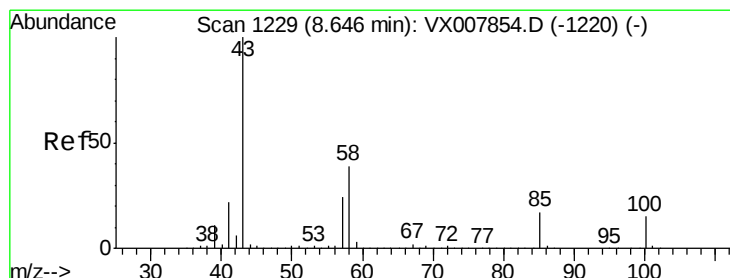
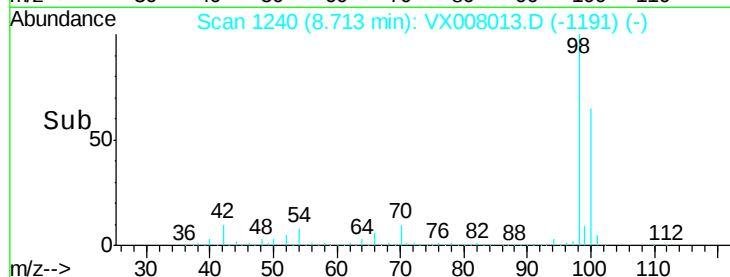
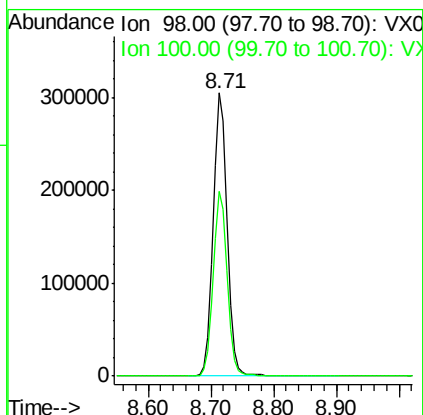
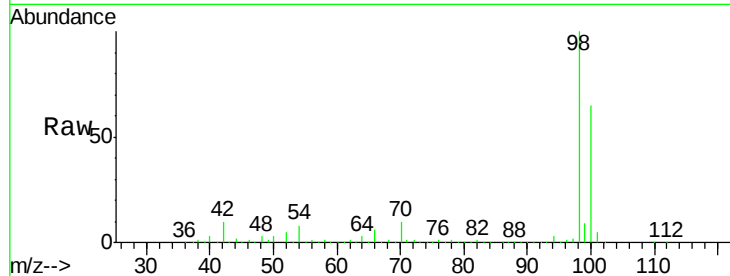




#50
Toluene-d8
Concen: 52.111 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008013.D
Acq: 12 Mar 2019 13:54

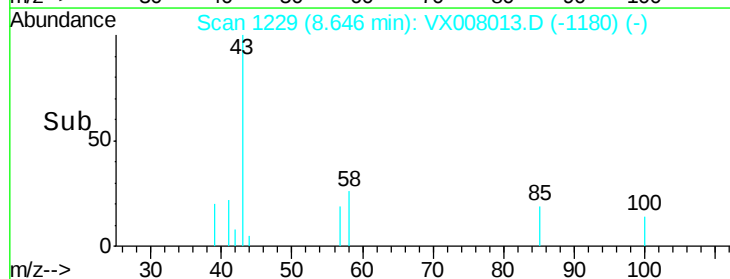
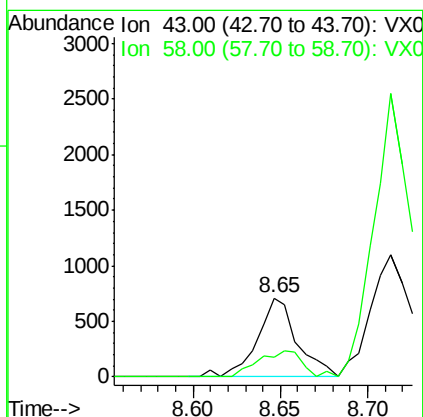
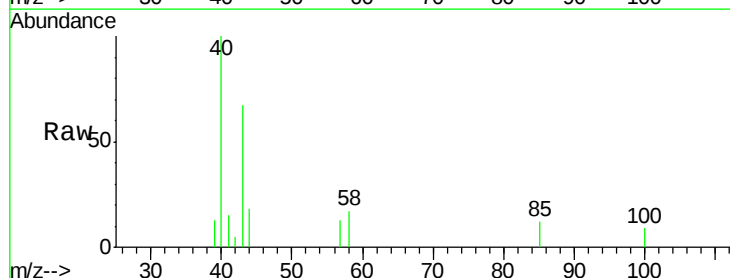
Instrument :
MSVOA_X
ClientSampleId :
EB01-20190308

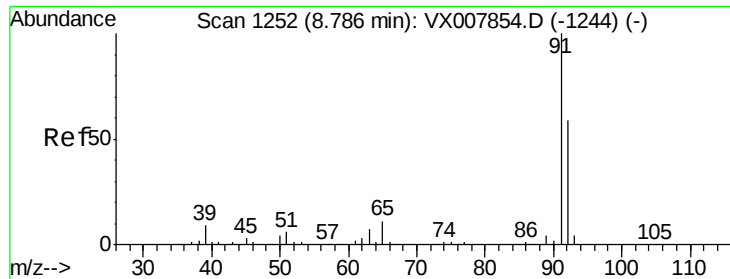
Tot Ion: 98 Resp: 470805
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.289 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX008013.D
Acq: 12 Mar 2019 13:54

Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
58 35.2 31.3 46.9





#52

Toluene

Concen: 2.539 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

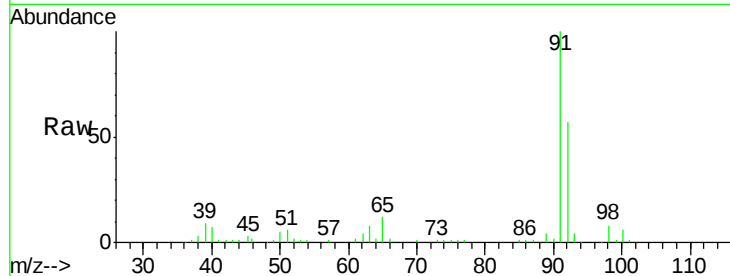
EB01-20190308

Tot Ion: 92 Resp: 16070

Ion Ratio Lower Upper

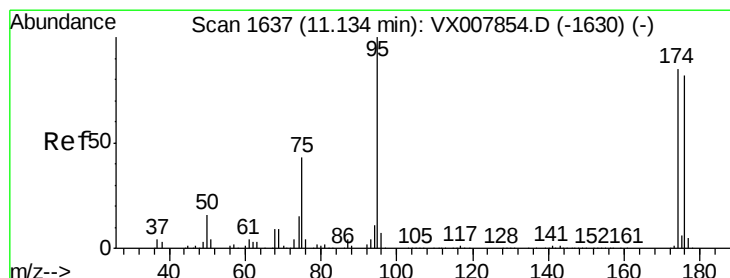
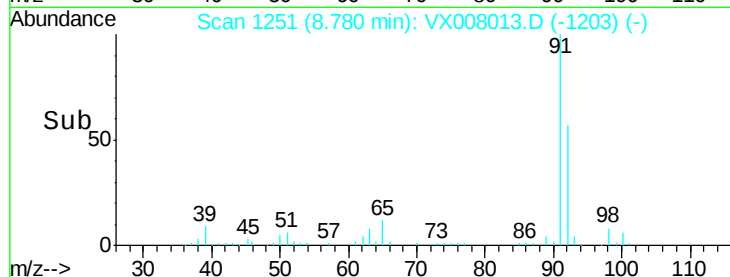
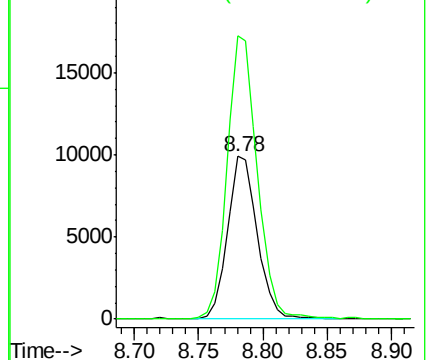
92 100

91 176.3 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 55.014 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

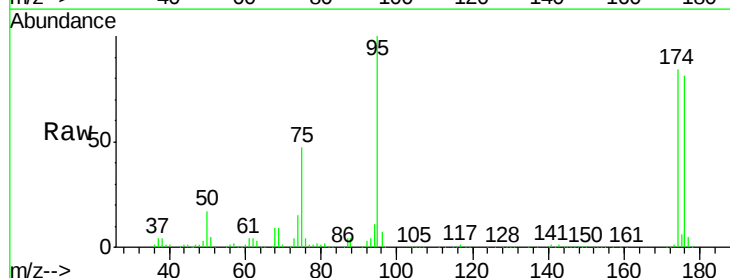
Tgt Ion: 95 Resp: 174262

Ion Ratio Lower Upper

95 100

174 92.3 0.0 182.8

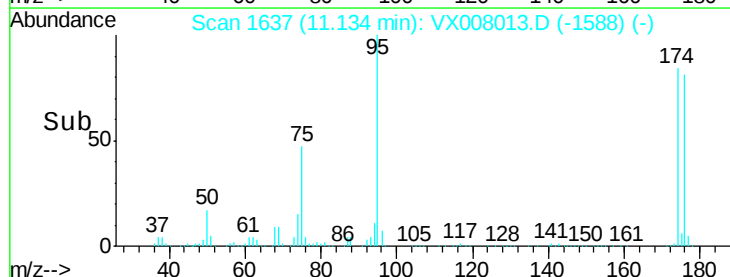
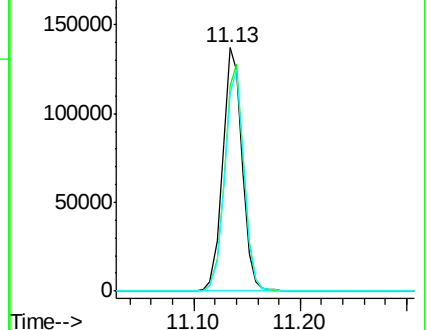
176 90.5 0.0 178.0

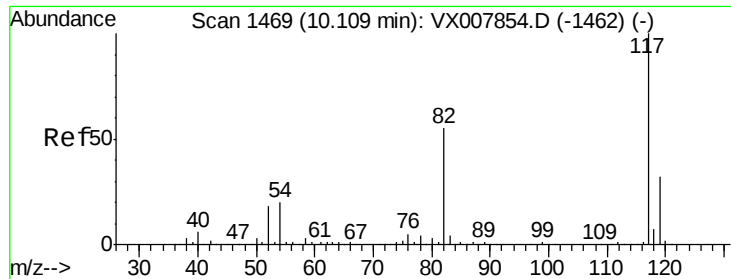


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

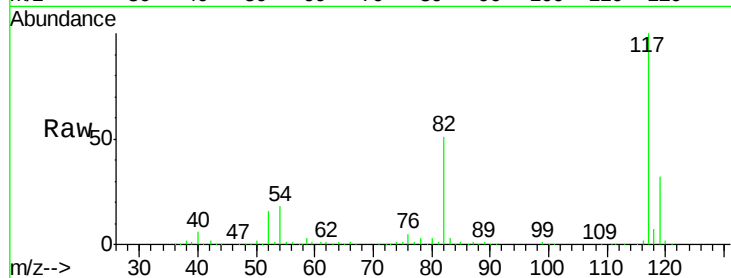




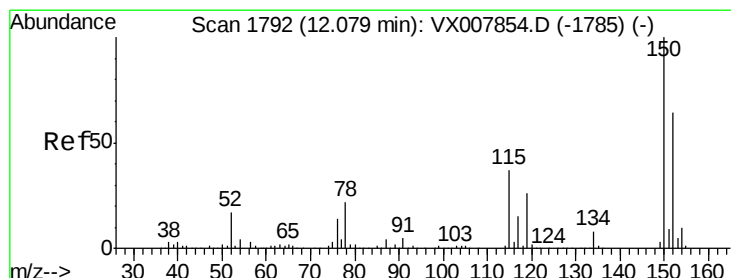
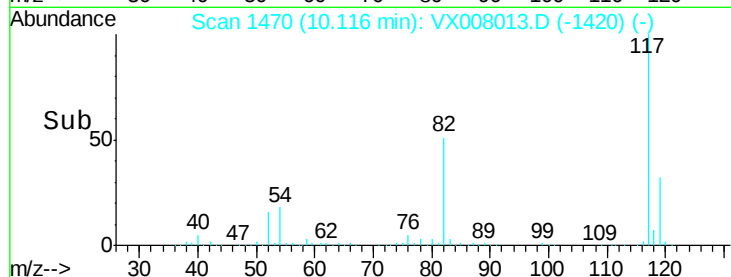
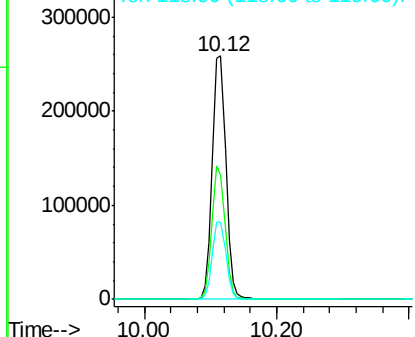
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008013.D
Acq: 12 Mar 2019 13:54

Instrument :
MSVOA_X
ClientSampleId :
EB01-20190308

Tot Ion:117 Resp: 369815
Ion Ratio Lower Upper
117 100
82 51.2 44.3 66.5
119 31.8 25.3 37.9

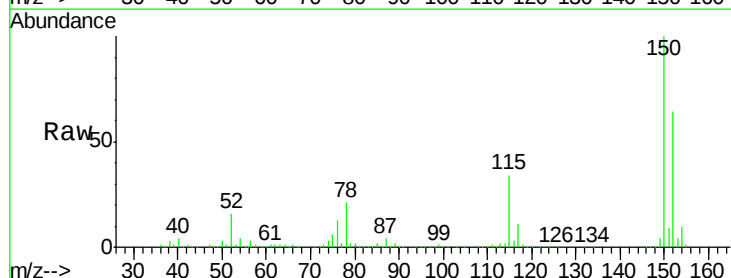


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

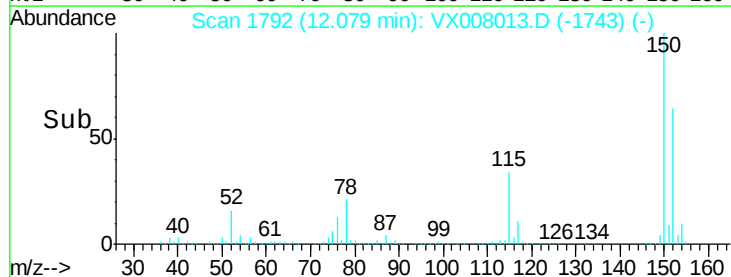
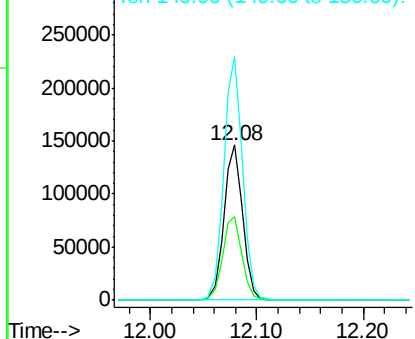


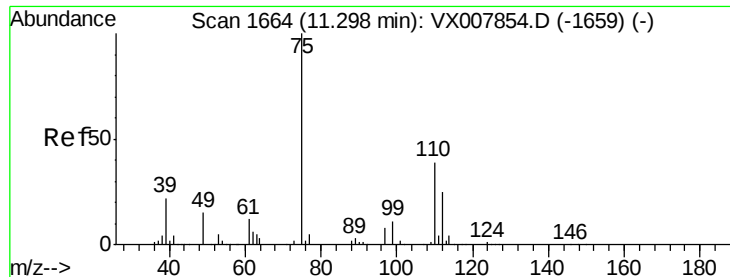
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008013.D
Acq: 12 Mar 2019 13:54

Tgt Ion:152 Resp: 178875
Ion Ratio Lower Upper
152 100
115 55.4 38.6 115.7
150 157.7 0.0 348.4



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: 21.414 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

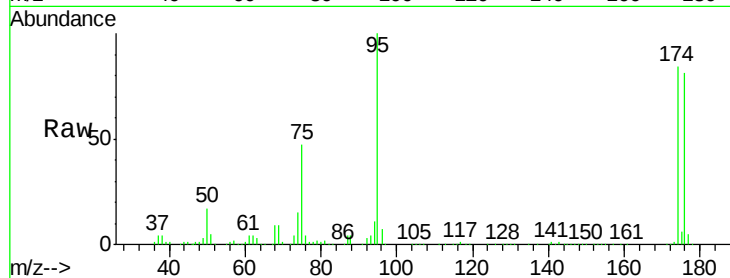
EB01-20190308

Tot Ion: 75 Resp: 80380

Ion Ratio Lower Upper

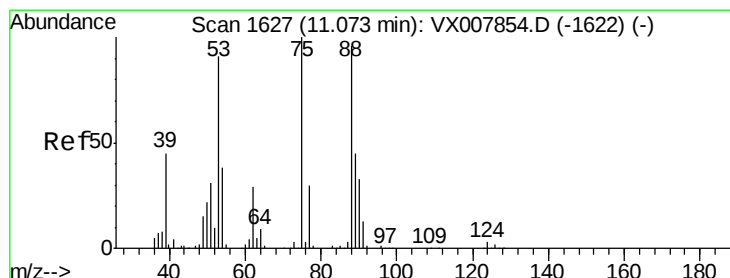
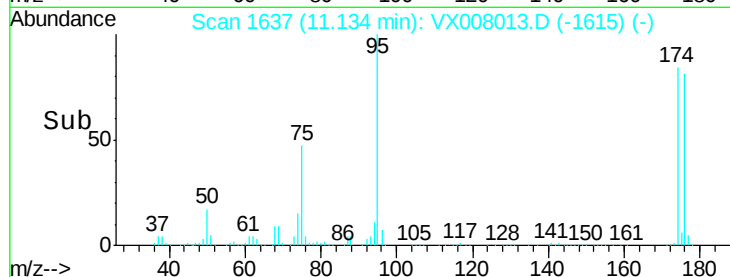
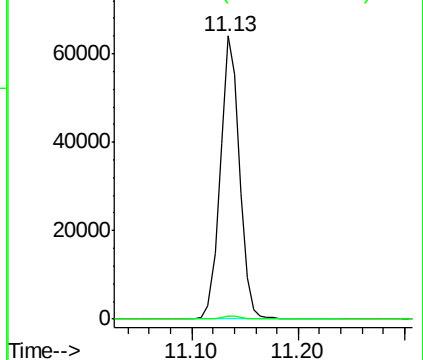
75 100

77 1.2 18.9 56.7#



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: 68.451 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008013.D

Acq: 12 Mar 2019 13:54

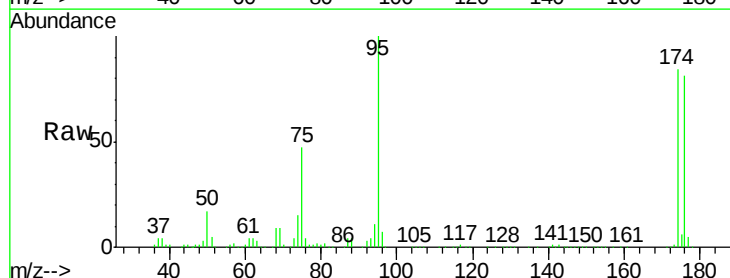
Tgt Ion: 75 Resp: 80380

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

