

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX007972.D
 Acq On : 11 Mar 2019 16:17
 Operator : JC/SP
 Sample : K1841-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20190308

Quant Time: Mar 12 08:39:14 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

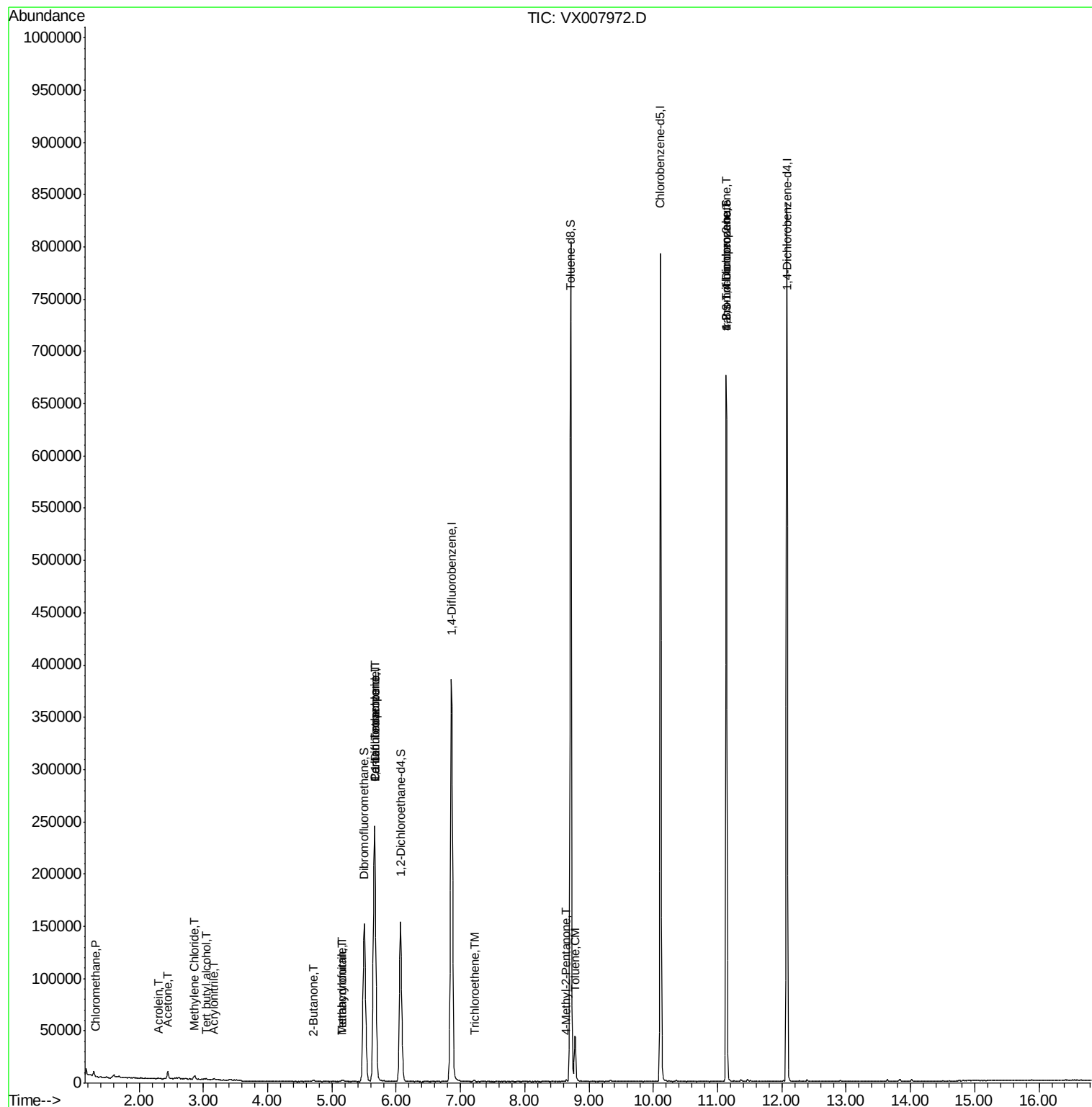
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	260982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	407520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	381897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184983	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	141320	51.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.66%	
35) Dibromofluoromethane	5.50	113	131308	50.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.74%	
50) Toluene-d8	8.71	98	493375	51.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.08%	
62) 4-Bromofluorobenzene	11.13	95	181109	53.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.92%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	583	0.203	ug/l	94
5) Bromomethane	1.65	94	436	Below Cal		84
11) Tert butyl alcohol	3.06	59	446	0.724	ug/l	100
13) Acrolein	2.30	56	109	1.852	ug/l #	22
15) Acrylonitrile	3.16	53	432	0.278	ug/l #	85
16) Acetone	2.45	43	7381	4.632	ug/l	95
17) Carbon Disulfide	2.57	76	1728	Below Cal	#	88
20) Methylene Chloride	2.86	84	1659	0.654	ug/l	94
25) 2-Butanone	4.70	43	2443	1.083	ug/l	97
29) Tetrahydrofuran	5.16	42	1537	1.092	ug/l #	87
36) 1,1-Dichloropropene	5.67	75	15902	4.309	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22311	6.369	ug/l #	17
41) Methacrylonitrile	5.16	41	925	0.387	ug/l #	50
44) Trichloroethene	7.21	130	688	0.227	ug/l	89
51) 4-Methyl-2-Pentanone	8.65	43	1227	0.294	ug/l	94
52) Toluene	8.78	92	16519	2.463	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	82773	21.324	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	82773	68.161	ug/l #	11

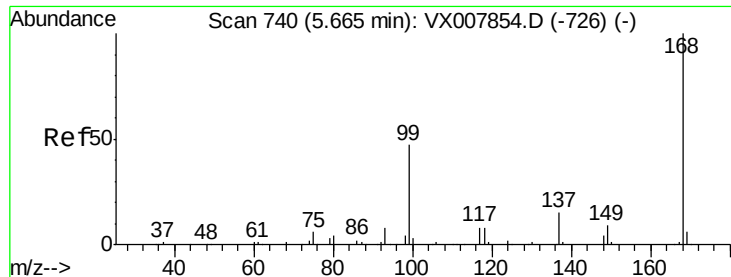
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

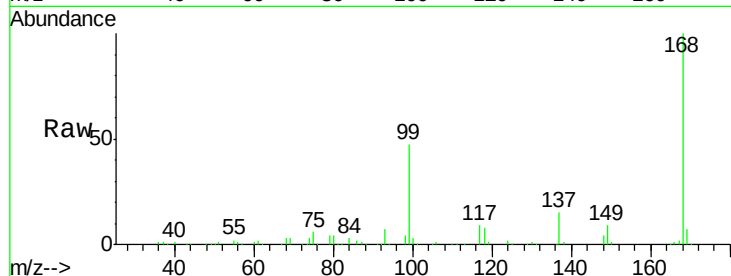
EB01-20190308

Tot Ion:168 Resp: 260982

Ion Ratio Lower Upper

168 100

99 47.1 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

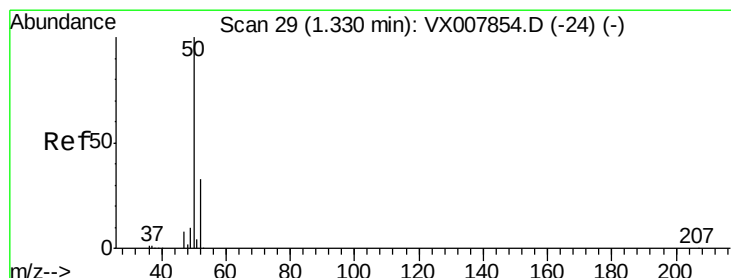
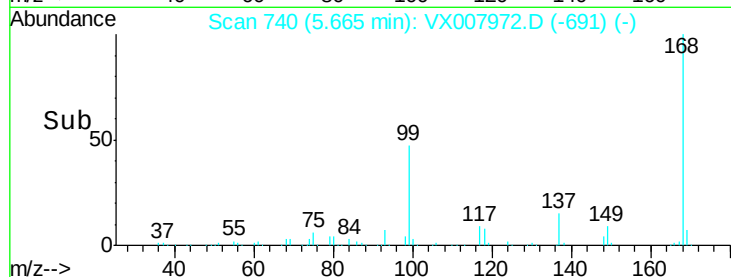
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007972.D

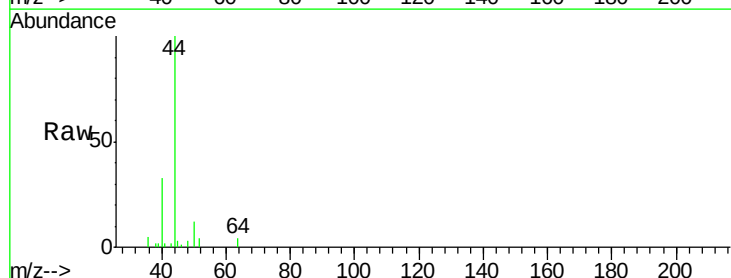
Acq: 11 Mar 2019 16:17

Tgt Ion: 50 Resp: 583

Ion Ratio Lower Upper

50 100

52 30.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

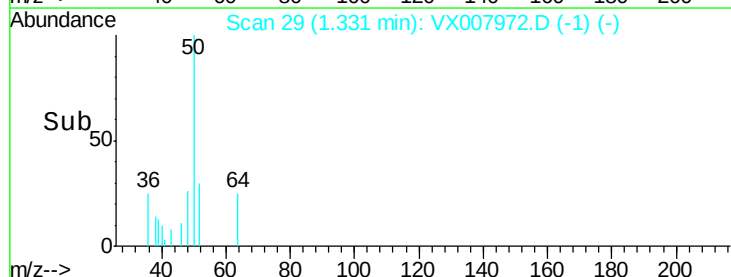
300

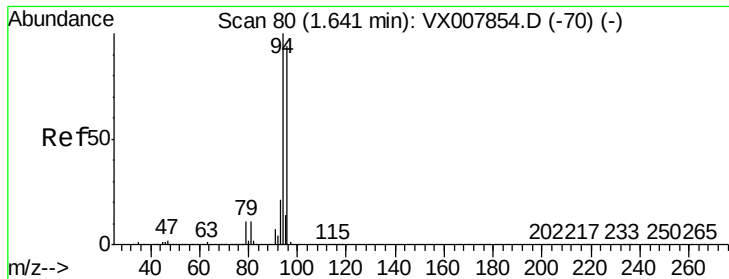
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

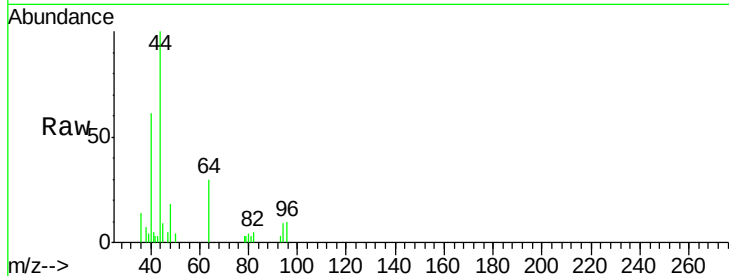
EB01-20190308

Tot Ion: 94 Resp: 436

Ion Ratio Lower Upper

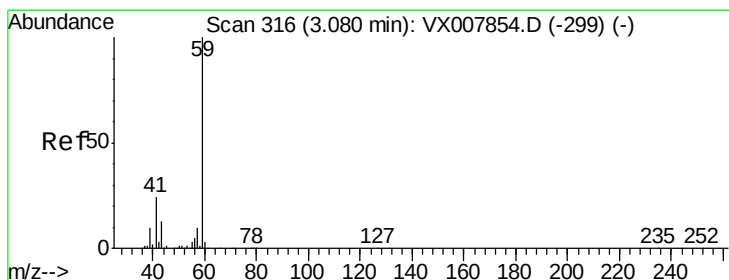
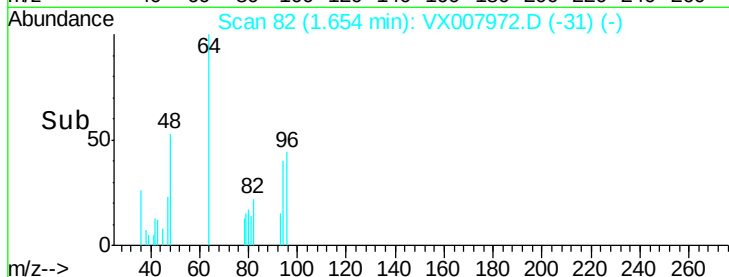
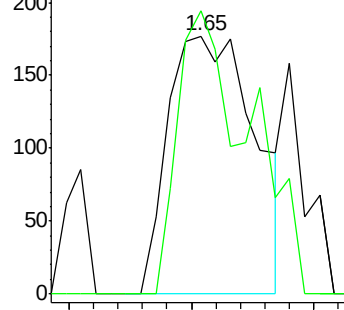
94 100

96 109.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.724 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX007972.D

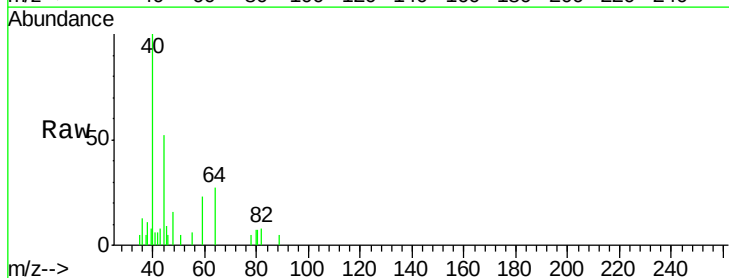
Acq: 11 Mar 2019 16:17

Tgt Ion: 59 Resp: 446

Ion Ratio Lower Upper

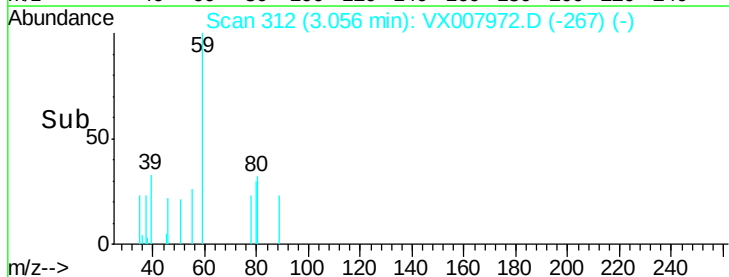
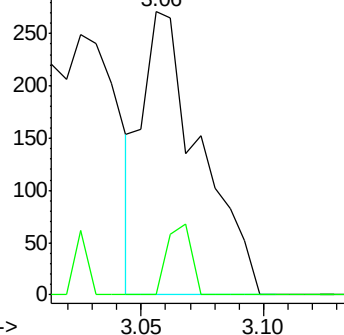
59 100

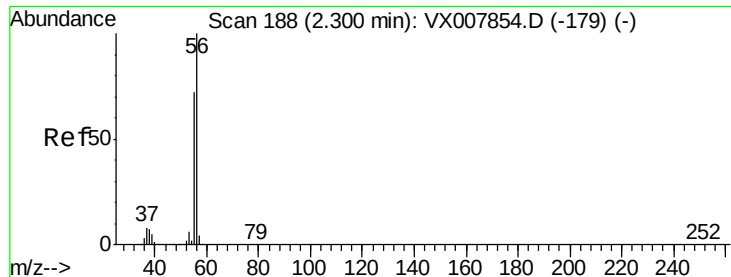
57 10.3 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.852 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

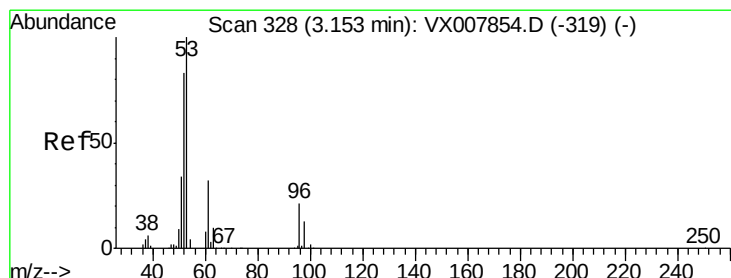
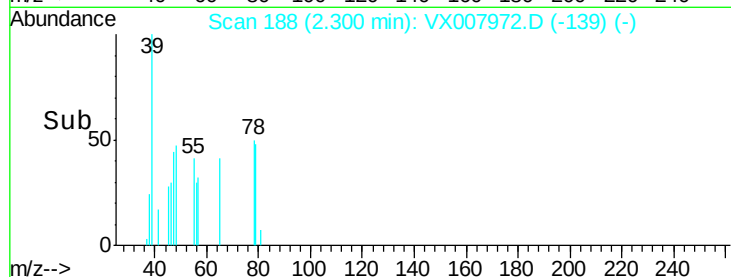
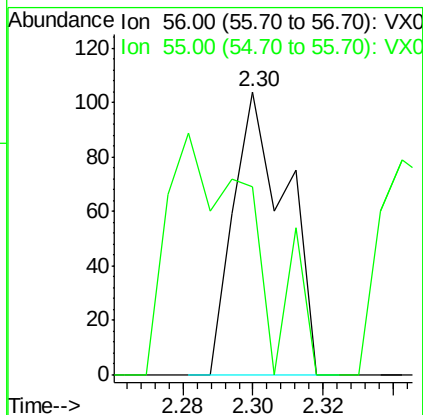
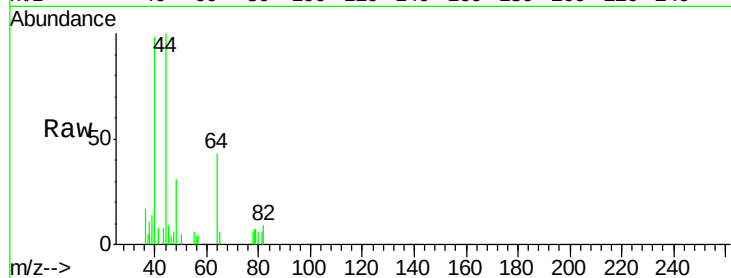
EB01-20190308

Tot Ion: 56 Resp: 109

Ion Ratio Lower Upper

56 100

55 137.6 57.8 86.6#



#15

Acrylonitrile

Concen: 0.278 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

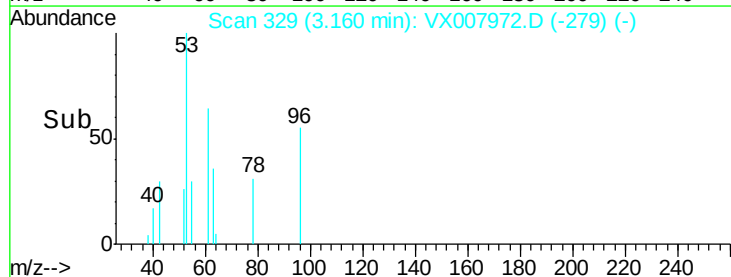
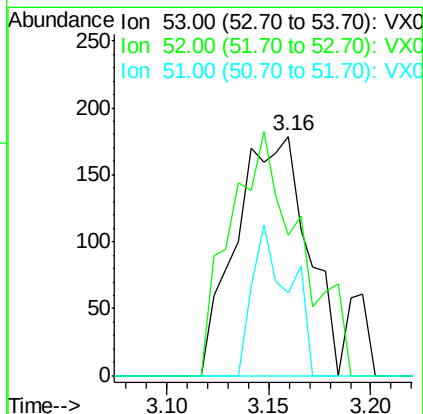
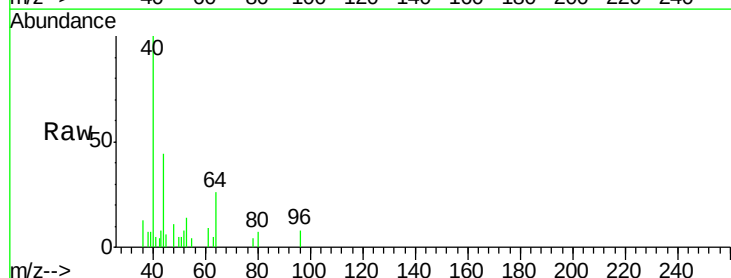
Tgt Ion: 53 Resp: 432

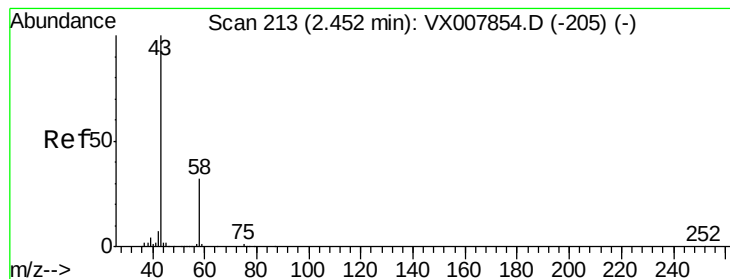
Ion Ratio Lower Upper

53 100

52 100.7 66.0 99.0#

51 33.3 28.0 42.0





#16

Acetone

Concen: 4.632 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

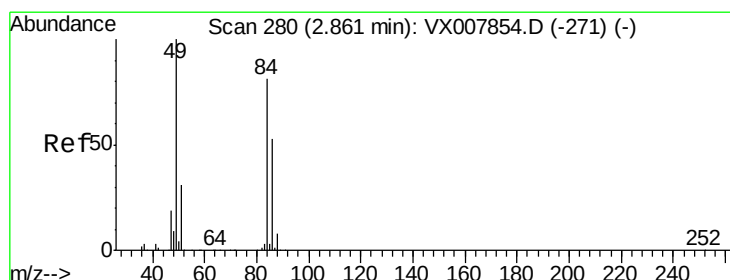
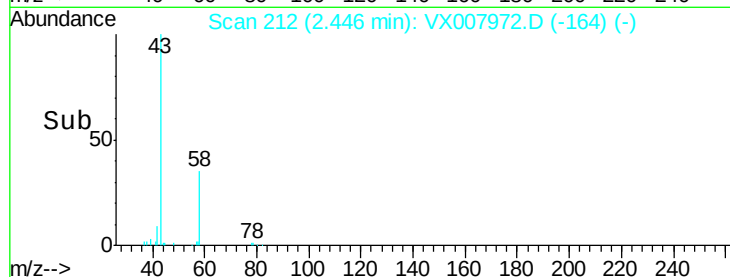
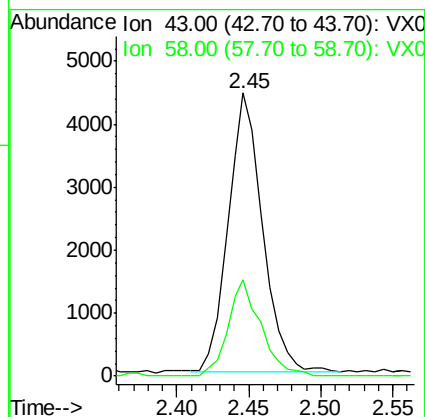
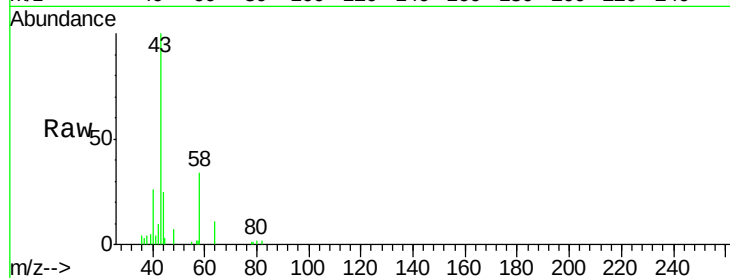
EB01-20190308

Tot Ion: 43 Resp: 7381

Ion Ratio Lower Upper

43 100

58 34.6 25.5 38.3



#20

Methylene Chloride

Concen: 0.654 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Tgt Ion: 84 Resp: 1659

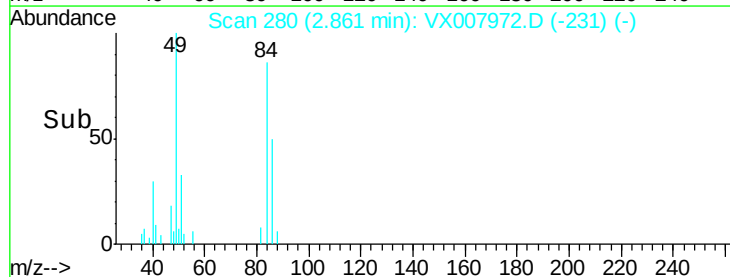
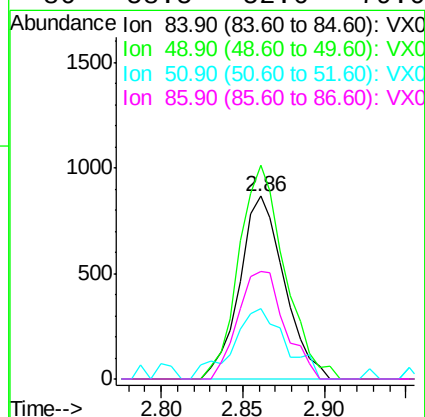
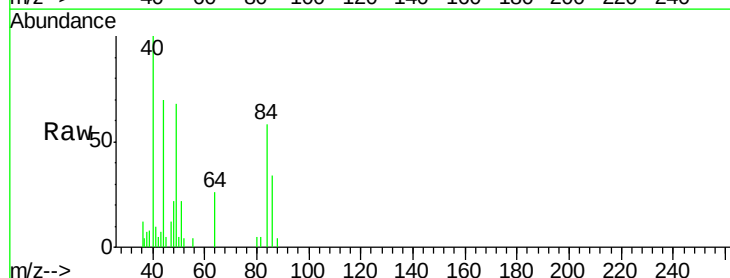
Ion Ratio Lower Upper

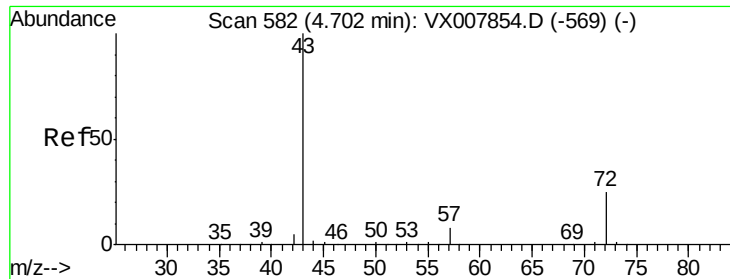
84 100

49 116.7 99.3 148.9

51 38.3 31.3 46.9

86 58.5 52.6 79.0





#25

2-Butanone

Concen: 1.083 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

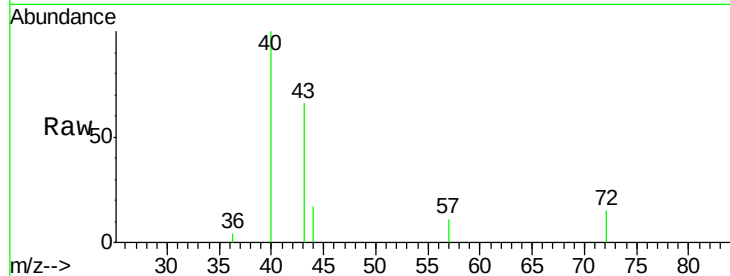
EB01-20190308

Tot Ion: 43 Resp: 2443

Ion Ratio Lower Upper

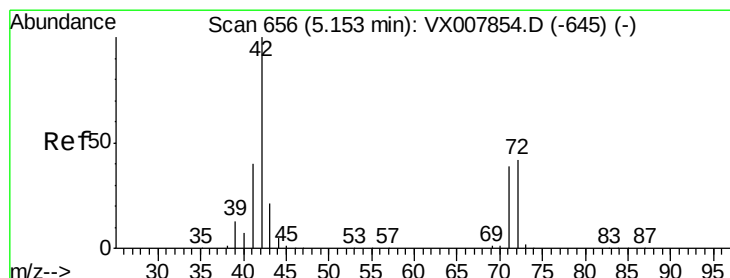
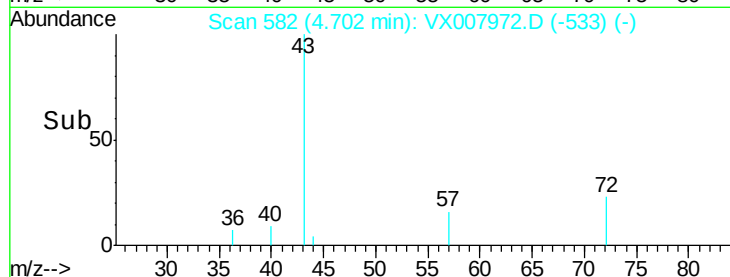
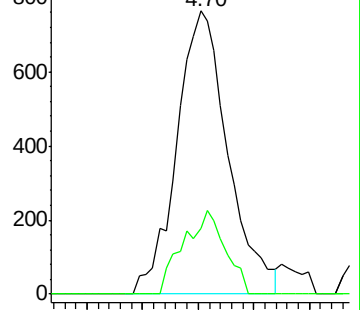
43 100

72 23.4 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1.092 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

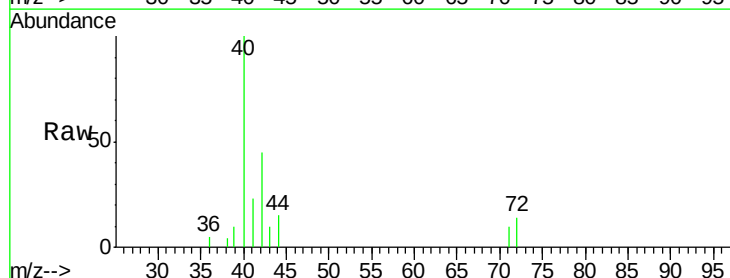
Tgt Ion: 42 Resp: 1537

Ion Ratio Lower Upper

42 100

72 38.8 33.8 50.6

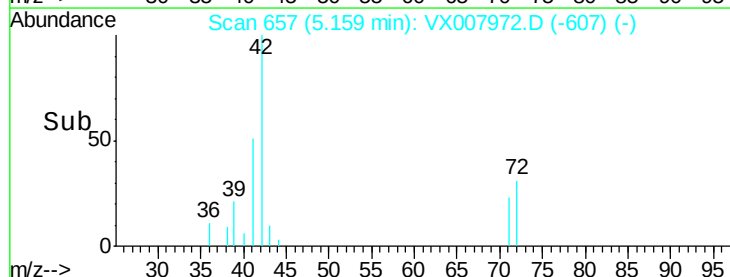
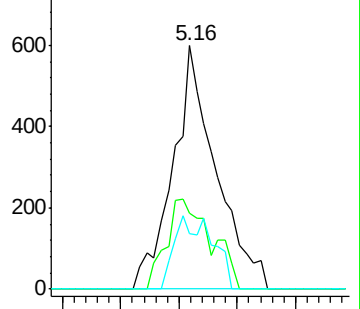
71 26.7 31.5 47.3#

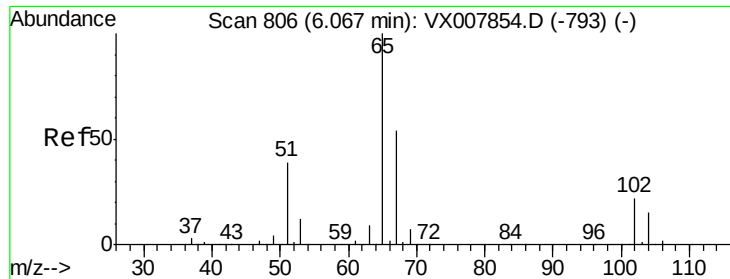


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

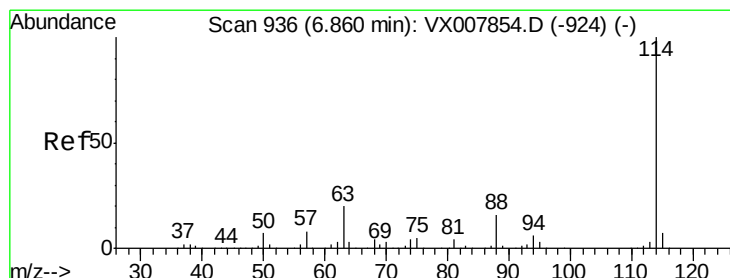
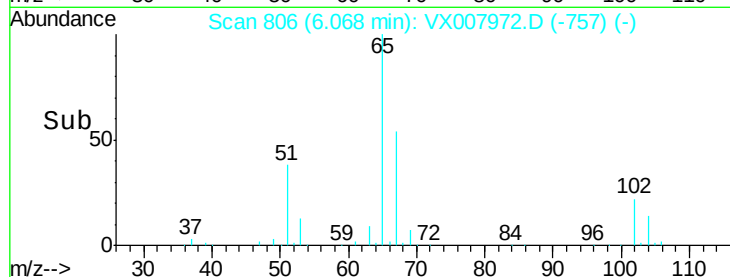
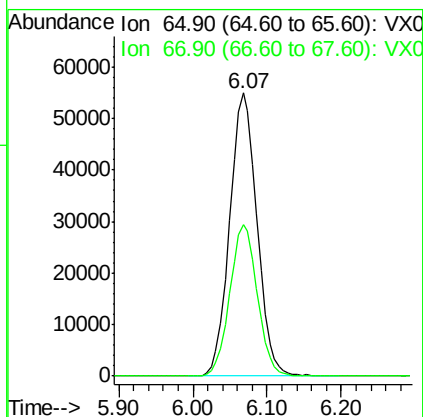
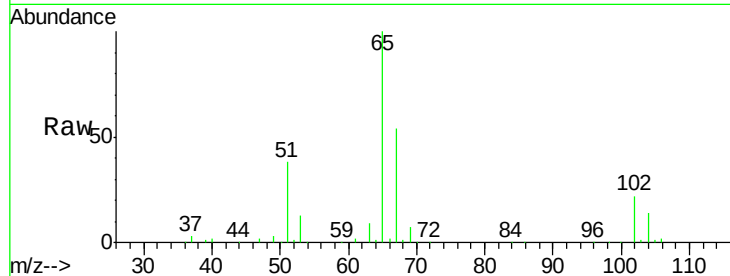




#33
 1,2-Dichloroethane-d4
 Concen: 51.331 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007972.D
 Acq: 11 Mar 2019 16:17

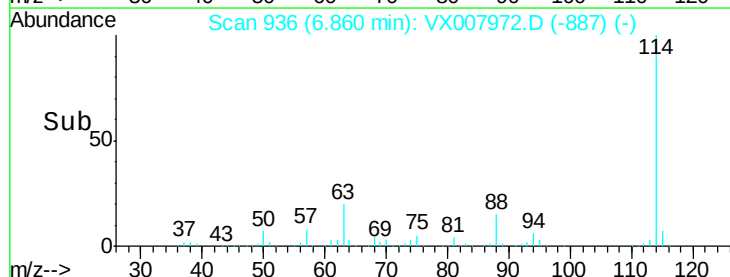
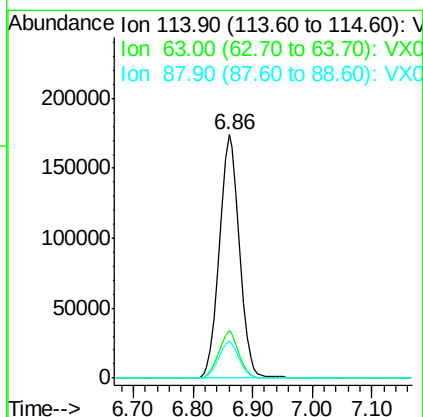
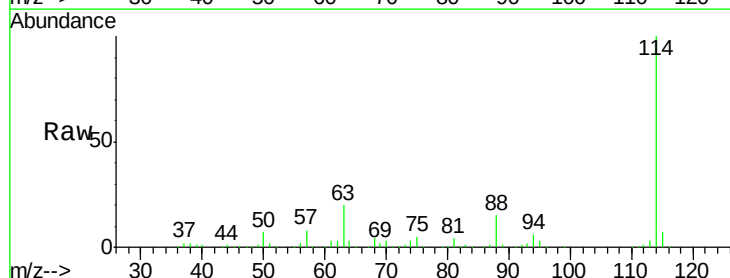
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 EB01-20190308

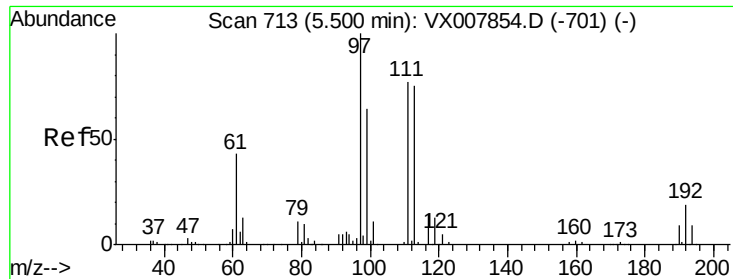
Tot Ion: 65 Resp: 141320
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007972.D
 Acq: 11 Mar 2019 16:17

Tgt Ion: 114 Resp: 407520
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.4 0.0 31.4

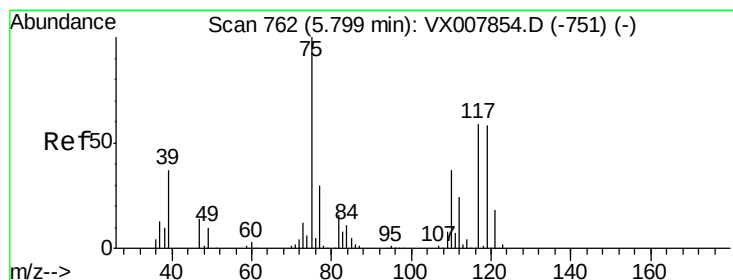
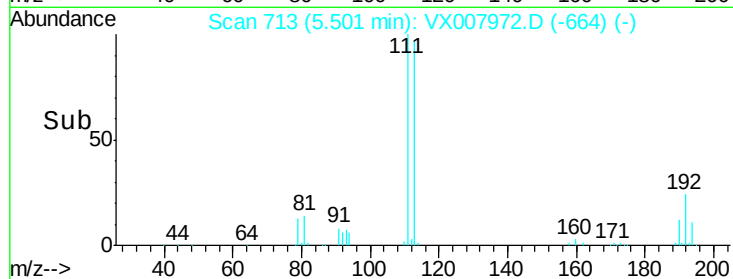
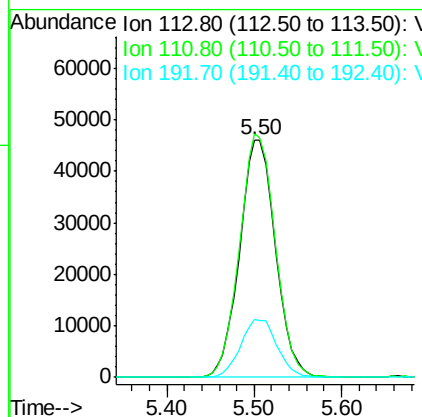
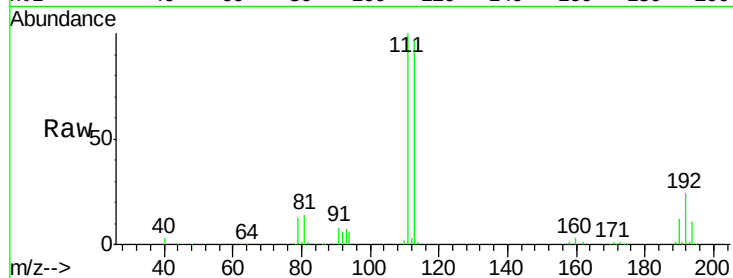




#35
 Dibromofluoromethane
 Concen: 50.372 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007972.D
 Acq: 11 Mar 2019 16:17

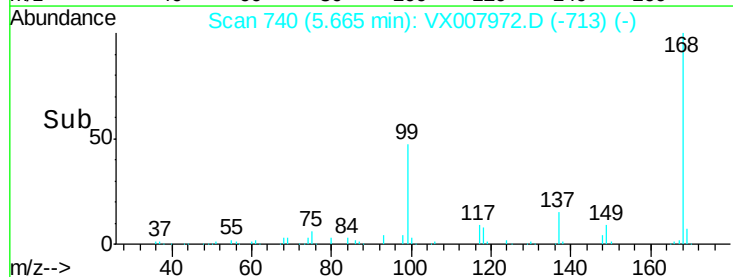
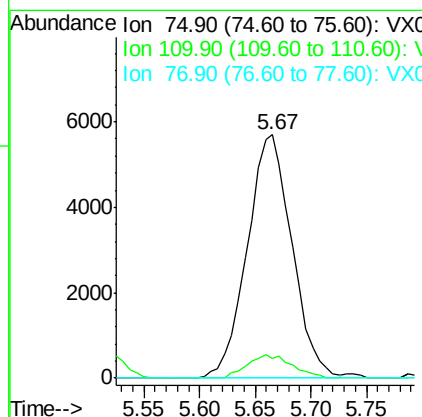
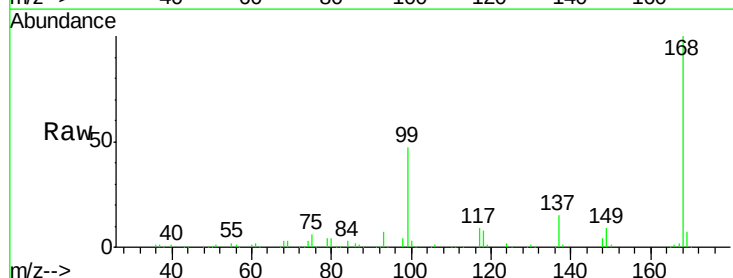
Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20190308

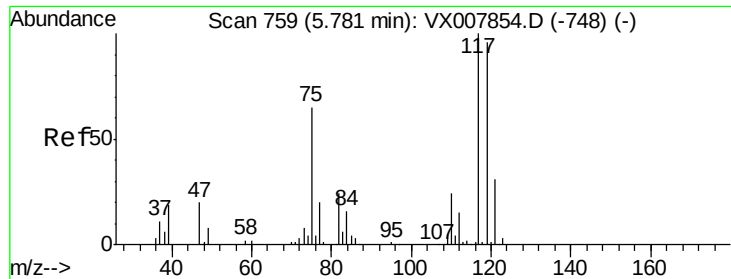
Tot Ion:113 Resp: 131308
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.0
 192 24.8 19.4 29.0



#36
 1,1-Dichloropropene
 Concen: 4.309 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007972.D
 Acq: 11 Mar 2019 16:17

Tgt Ion: 75 Resp: 15902
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.4 55.0#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.369 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

EB01-20190308

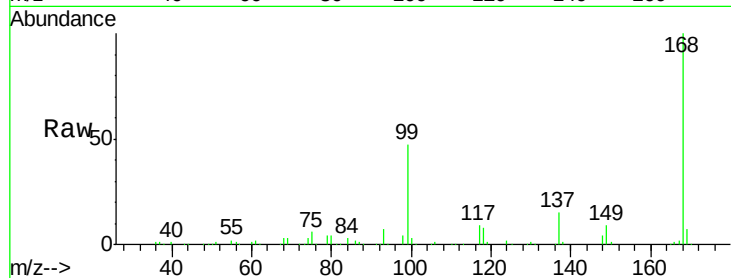
Tot Ion:117 Resp: 22311

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

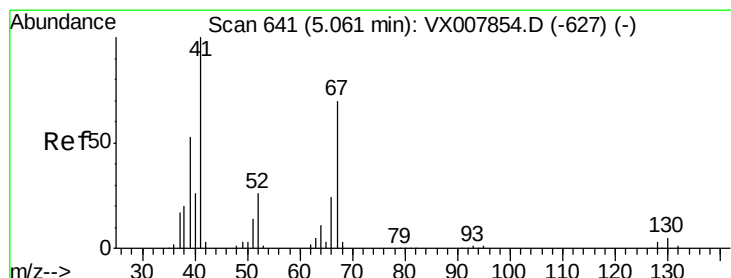
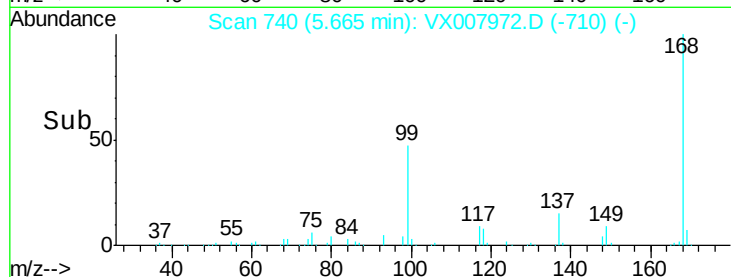
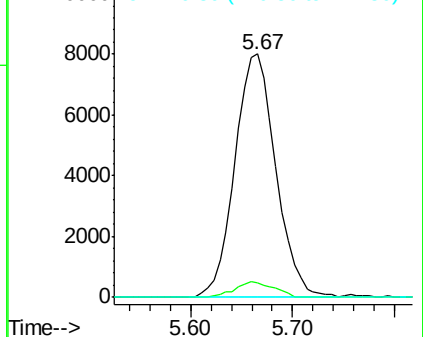
121 0.0 24.6 36.8#



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



#41

Methacrylonitrile

Concen: 0.387 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.10 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Tgt Ion: 41 Resp: 925

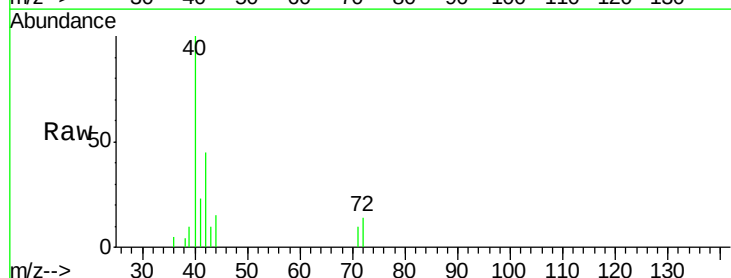
Ion Ratio Lower Upper

41 100

39 53.4 41.6 62.4

67 0.0 55.8 83.6#

52 0.0 21.7 32.5#

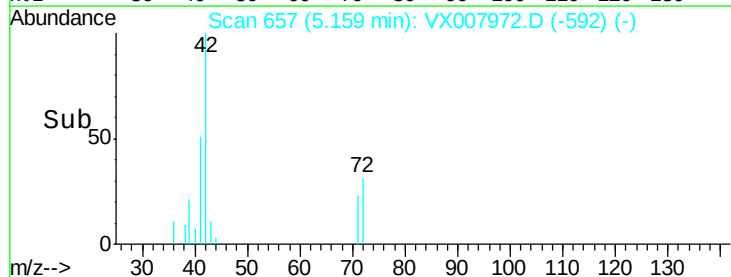
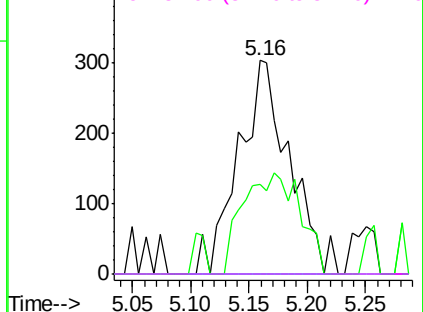


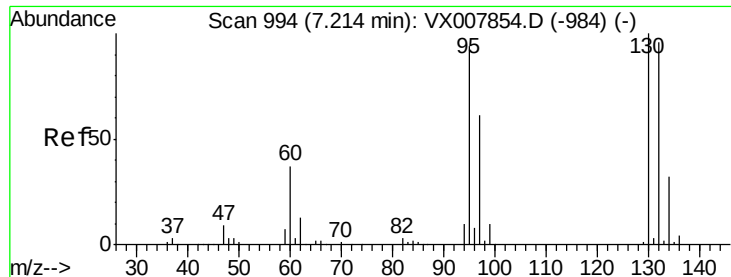
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

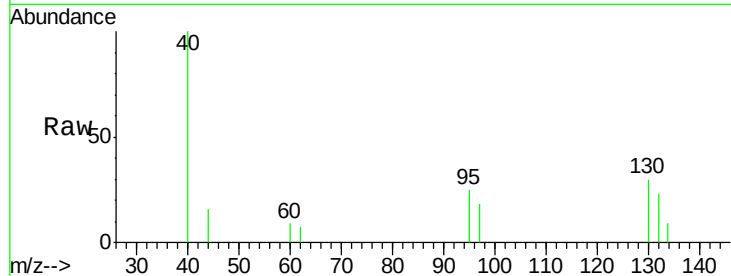




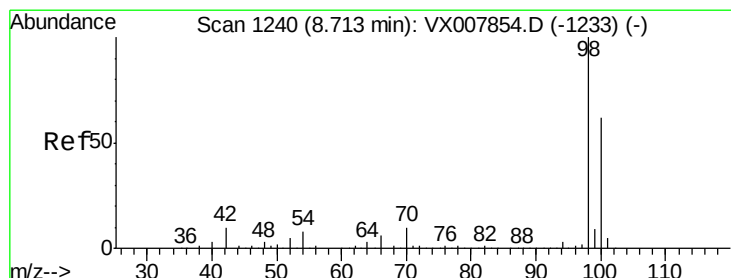
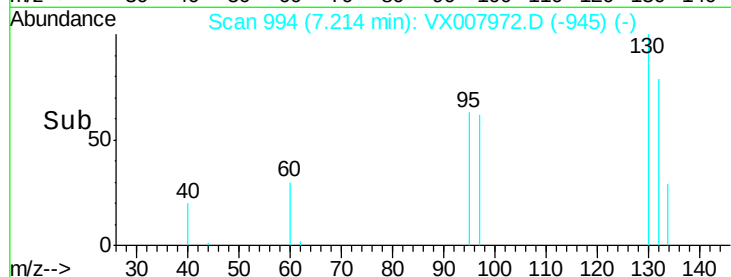
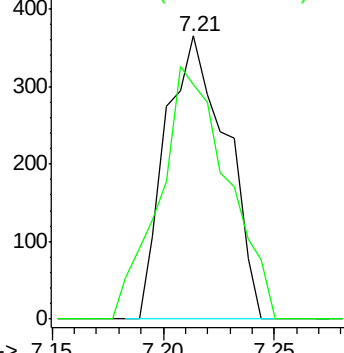
#44
 Trichloroethene
 Concen: 0.227 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007972.D
 Acq: 11 Mar 2019 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20190308

Tot Ion:130 Resp: 688
 Ion Ratio Lower Upper
 130 100
 95 83.0 0.0 188.0

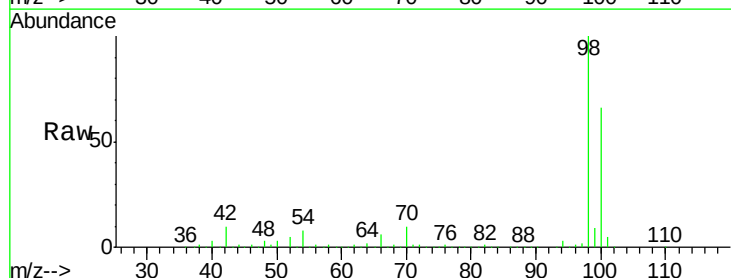


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

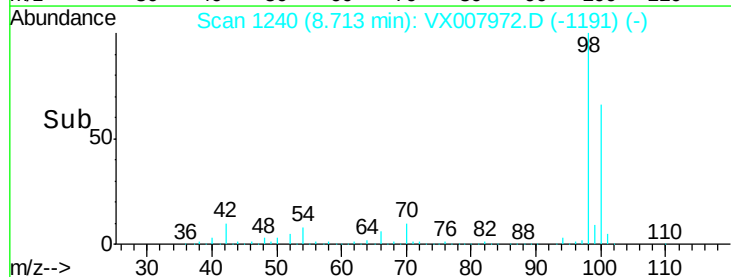
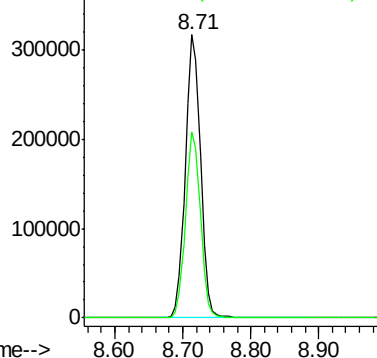


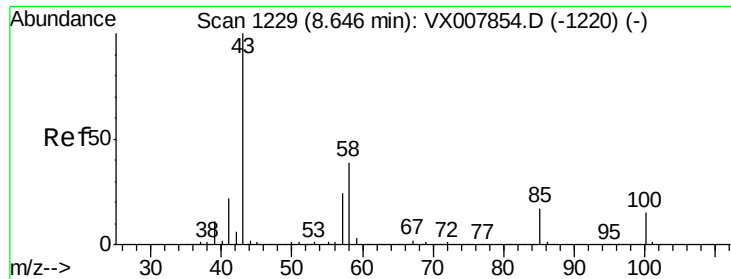
#50
 Toluene-d8
 Concen: 51.536 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007972.D
 Acq: 11 Mar 2019 16:17

Tgt Ion: 98 Resp: 493375
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.294 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

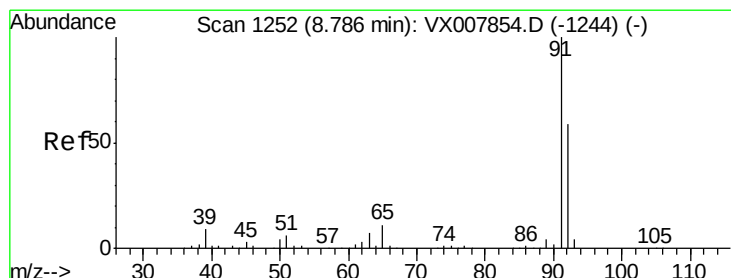
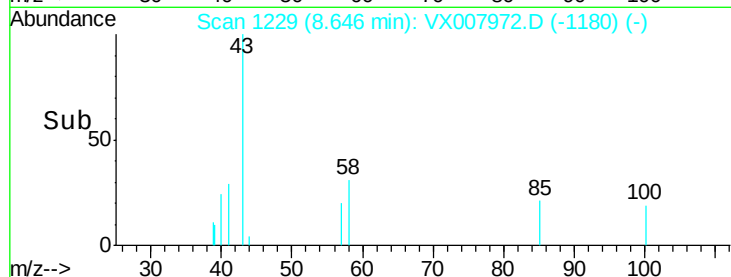
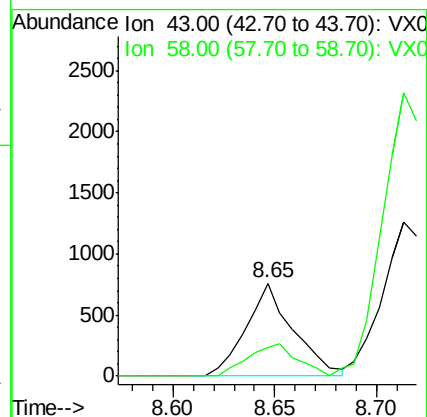
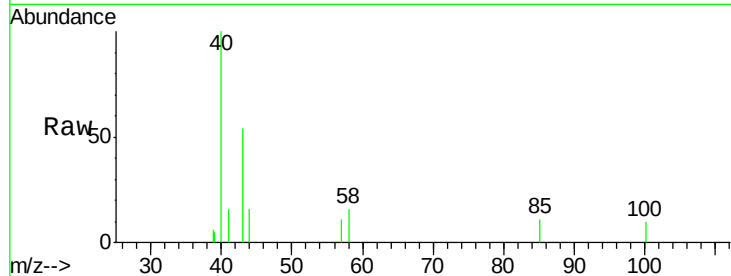
EB01-20190308

Tot Ion: 43 Resp: 1227

Ion Ratio Lower Upper

43 100

58 35.6 31.3 46.9



#52

Toluene

Concen: 2.463 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007972.D

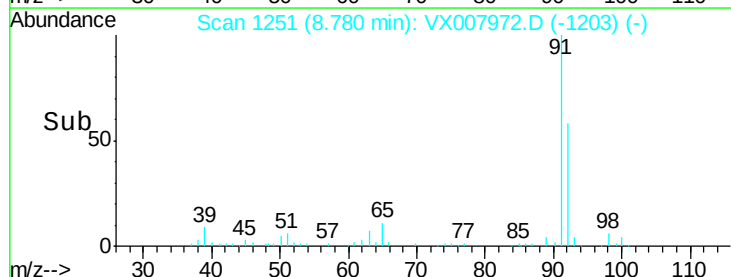
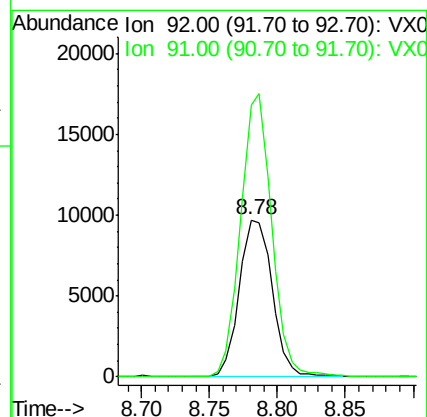
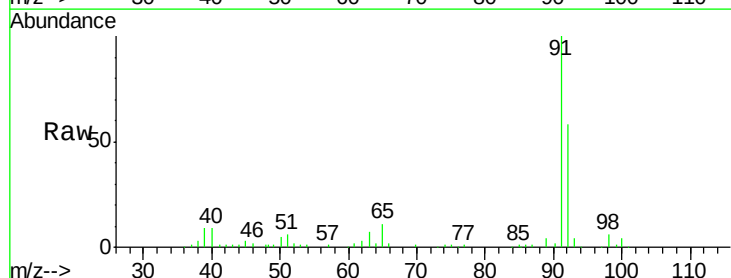
Acq: 11 Mar 2019 16:17

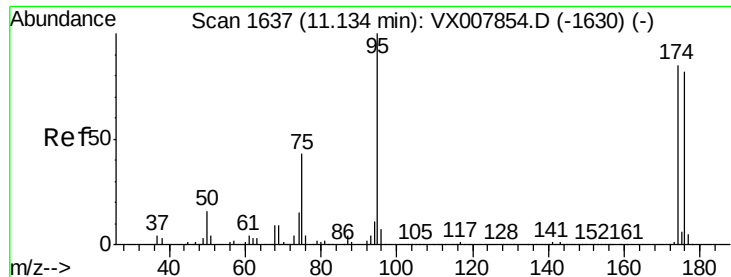
Tgt Ion: 92 Resp: 16519

Ion Ratio Lower Upper

92 100

91 170.0 137.4 206.0

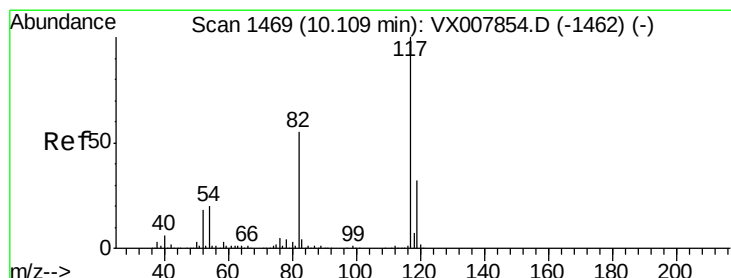
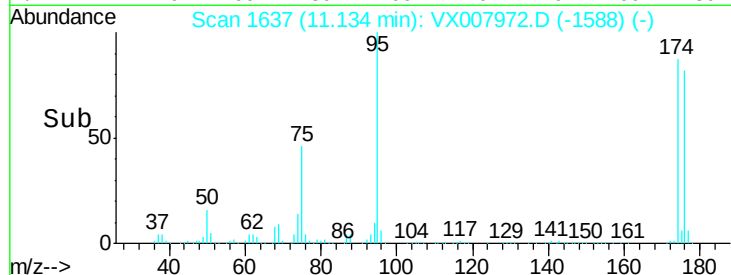
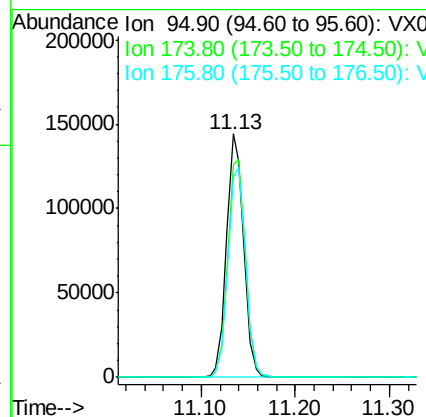
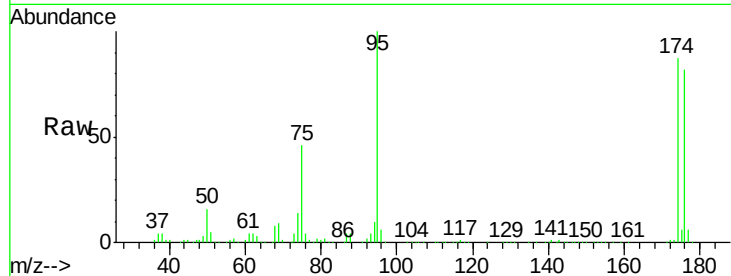




#62
4-Bromofluorobenzene
Concen: 53.958 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007972.D
Acq: 11 Mar 2019 16:17

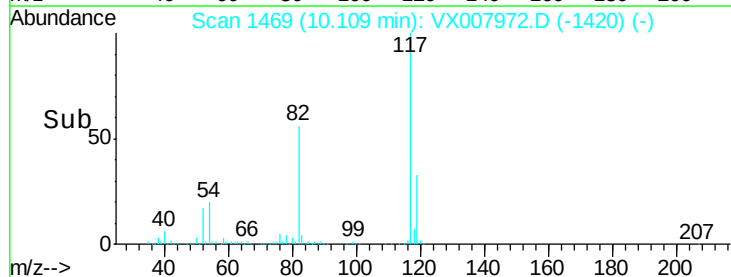
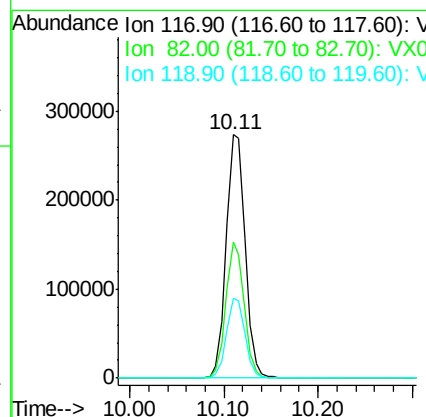
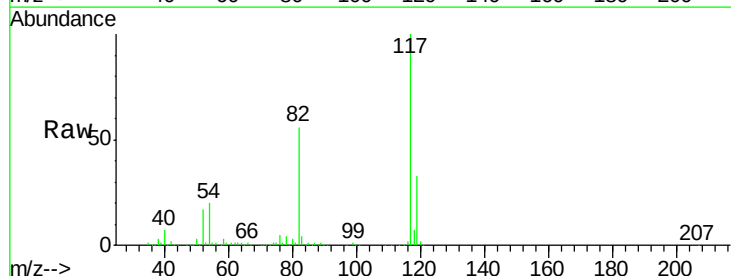
Instrument :
MSVOA_X
ClientSampleId :
EB01-20190308

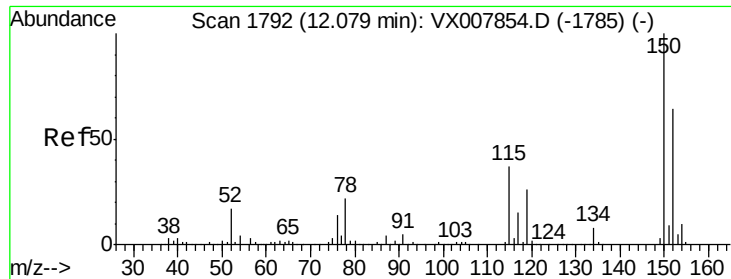
Tot Ion: 95 Resp: 181109
Ion Ratio Lower Upper
95 100
174 93.2 0.0 182.8
176 89.2 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007972.D
Acq: 11 Mar 2019 16:17

Tgt Ion: 117 Resp: 381897
Ion Ratio Lower Upper
117 100
82 55.7 44.3 66.5
119 32.7 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

EB01-20190308

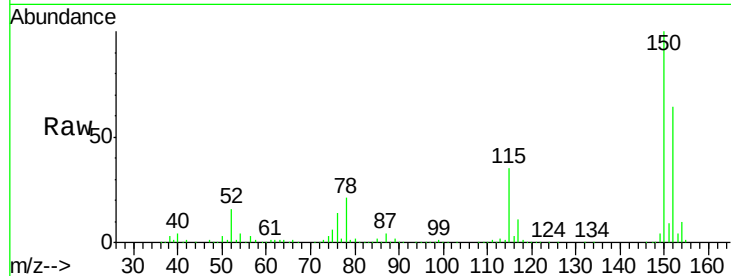
Tot Ion:152 Resp: 184983

Ion Ratio Lower Upper

152 100

115 55.2 38.6 115.7

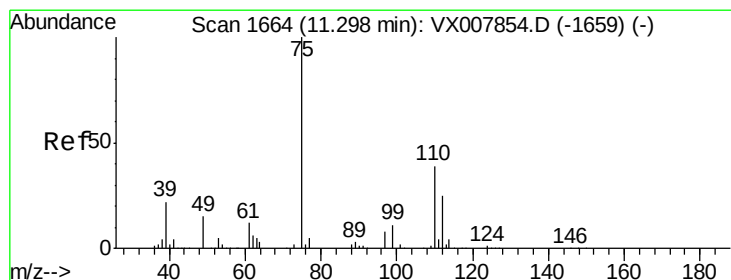
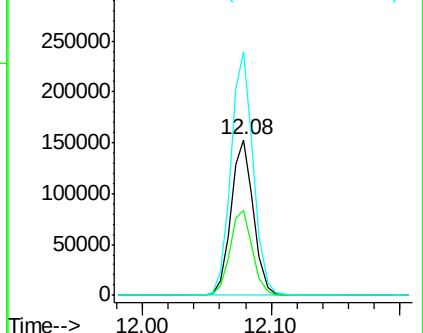
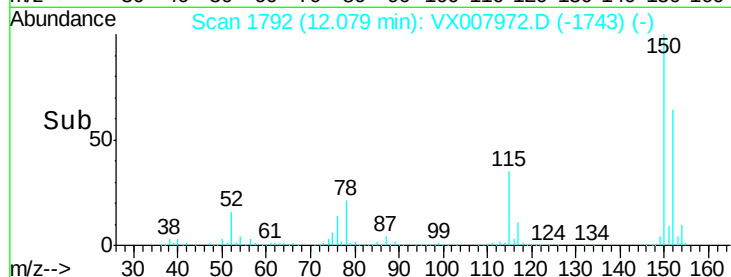
150 156.8 0.0 348.4



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: 21.324 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007972.D

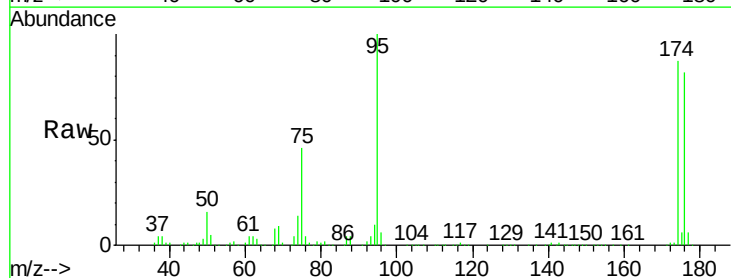
Acq: 11 Mar 2019 16:17

Tgt Ion: 75 Resp: 82773

Ion Ratio Lower Upper

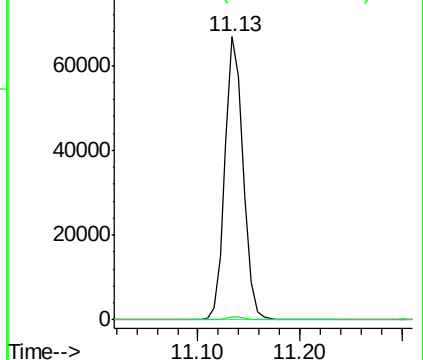
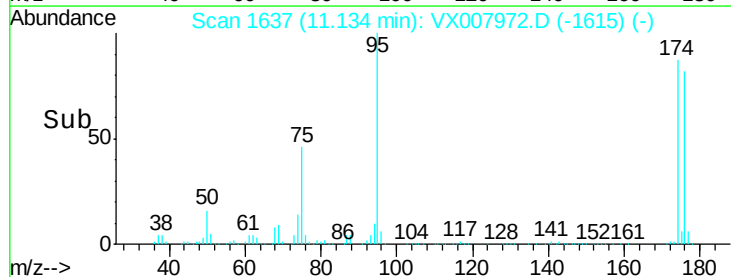
75 100

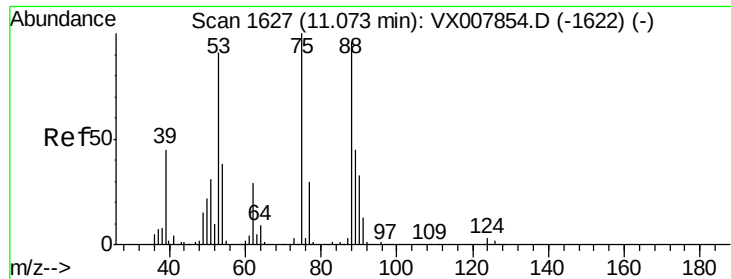
77 1.2 18.9 56.7#



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: 68.161 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

EB01-20190308

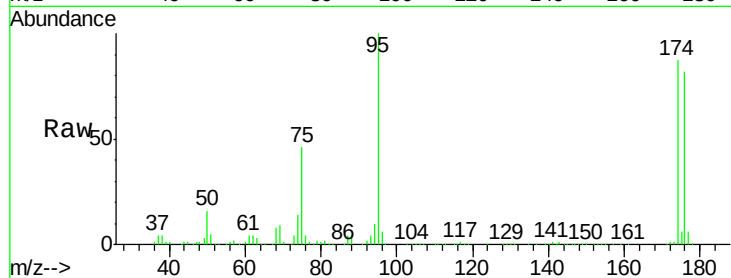
Tot Ion: 75 Resp: 82773

Ion Ratio Lower Upper

75 100

53 0.1 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

