

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040519\
 Data File : VX008685.D
 Acq On : 05 Apr 2019 16:37
 Operator : JC/SP
 Sample : K2275-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-EB-2019-1

Quant Time: Apr 06 01:23:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	192083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	317932	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	114704	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	129212	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
35) Dibromofluoromethane	5.49	113	96535	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
50) Toluene-d8	8.71	98	396736	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.13	95	133698	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	

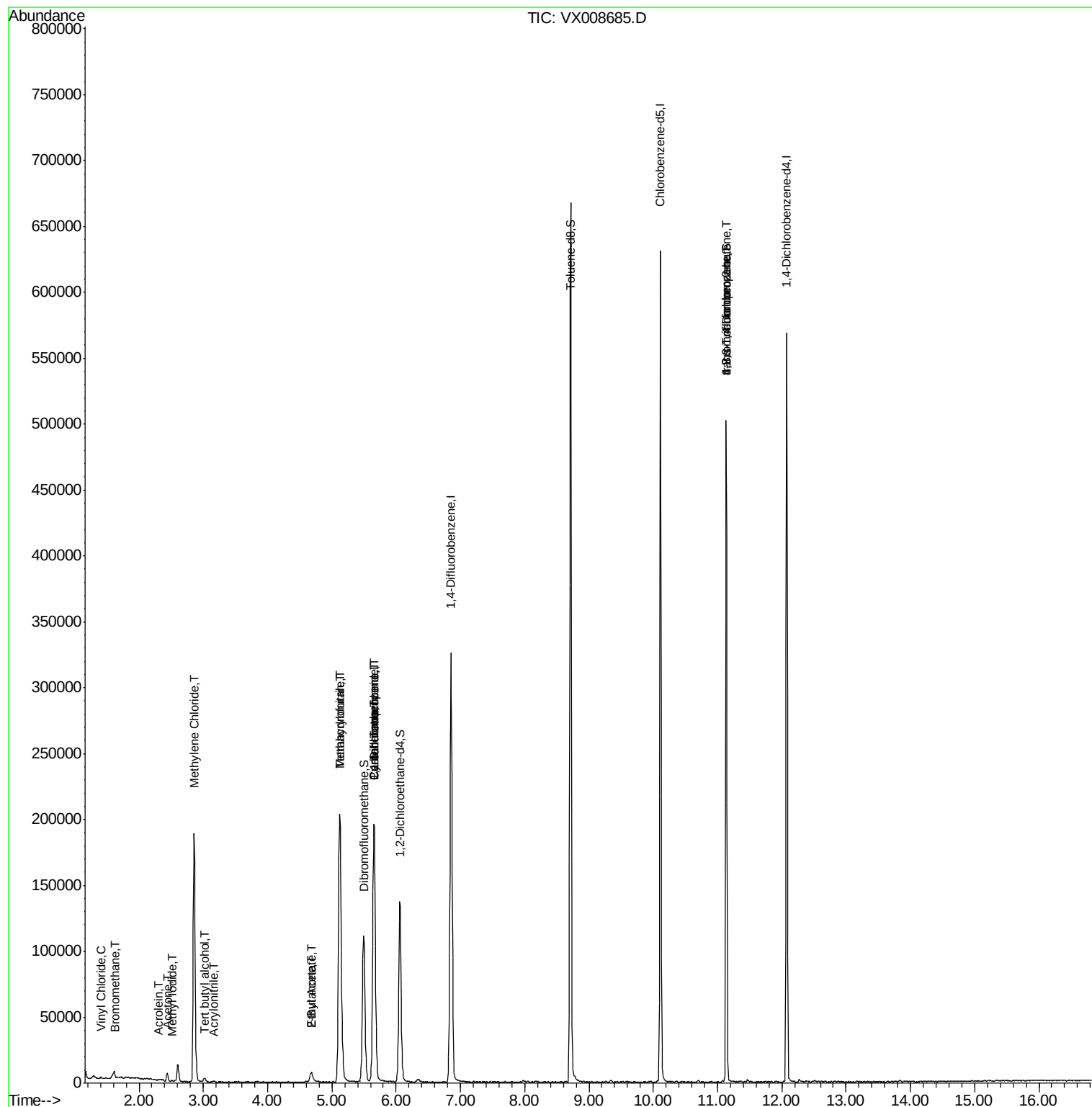
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	405	Below Cal	#	85
4) Vinyl Chloride	1.40	62	704	0.236	ug/l #	88
5) Bromomethane	1.64	94	328	2.100	ug/l #	52
6) Chloroethane	1.70	64	1243	Below Cal	#	43
10) Methyl Iodide	2.51	142	222	4.108	ug/l #	62
11) Tert butyl alcohol	3.02	59	1878	2.863	ug/l #	91
13) Acrolein	2.29	56	89	0.274	ug/l #	1
15) Acrylonitrile	3.16	53	359	0.207	ug/l #	70
16) Acetone	2.44	43	7473	4.631	ug/l	97
17) Carbon Disulfide	2.57	76	1476	Below Cal	#	92
20) Methylene Chloride	2.85	84	87423	32.366	ug/l	97
25) 2-Butanone	4.68	43	10139	3.975	ug/l	95
28) Bromochloromethane	5.01	49	117	Below Cal	#	22
29) Tetrahydrofuran	5.12	42	208212	123.000	ug/l	99
31) Cyclohexane	5.65	56	4524	0.935	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15352	4.417	ug/l #	51
37) Ethyl Acetate	4.68	43	10025	2.161	ug/l #	72
38) Carbon Tetrachloride	5.66	117	18629	6.477	ug/l #	16
41) Methacrylonitrile	5.12	41	113704	42.643	ug/l #	46
76) 1,2,3-Trichloropropane	11.13	75	67038	21.275	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67038	58.645	ug/l #	9

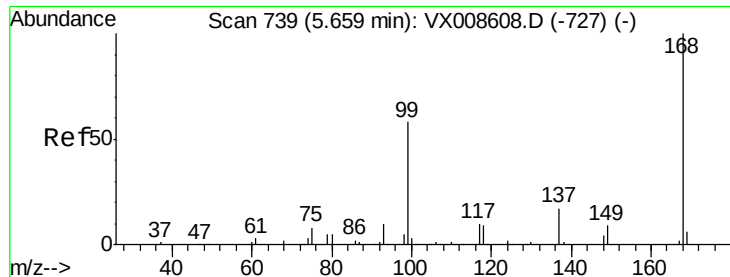
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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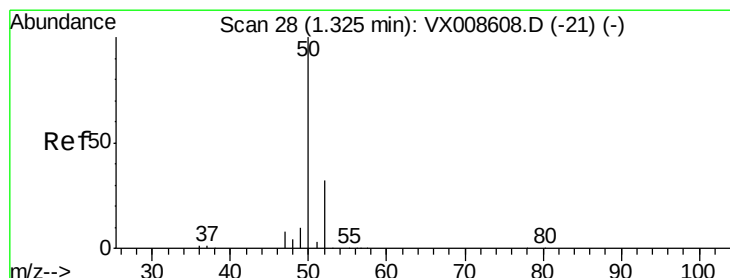
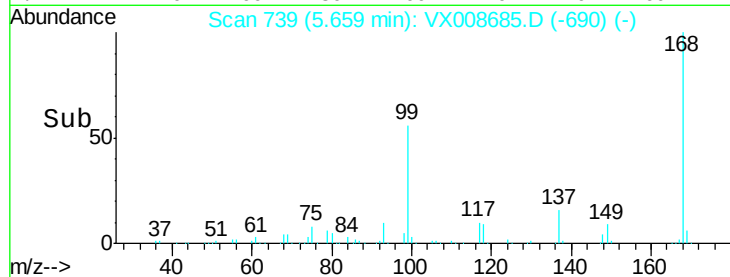
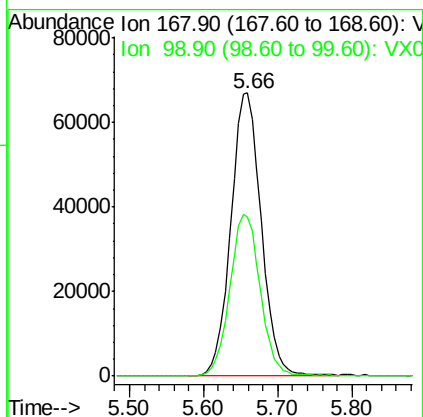
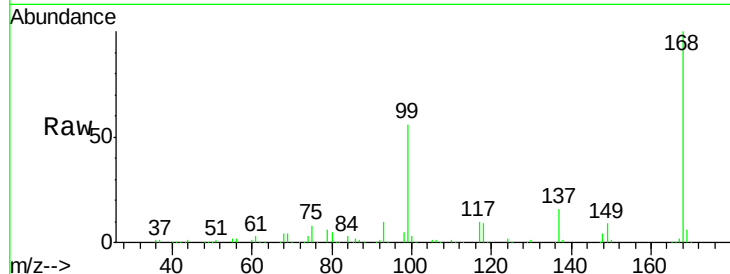




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.00 min
Lab File: VX008685.D
Acq: 05 Apr 2019 16:37

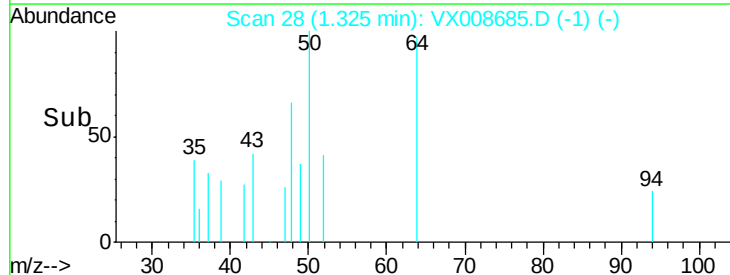
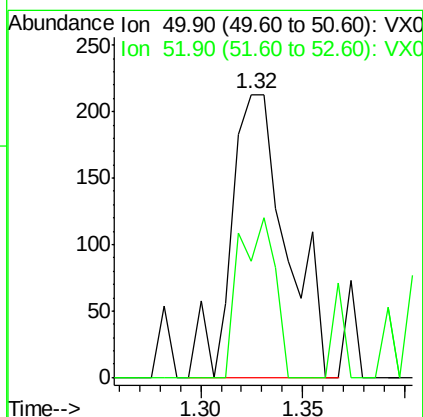
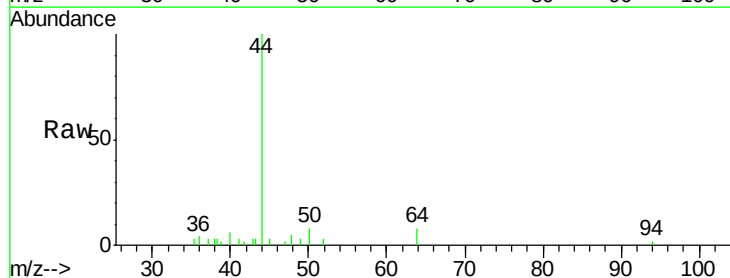
Instrument :
MSVOA_X
ClientSampleId :
S8-EB-2019-1

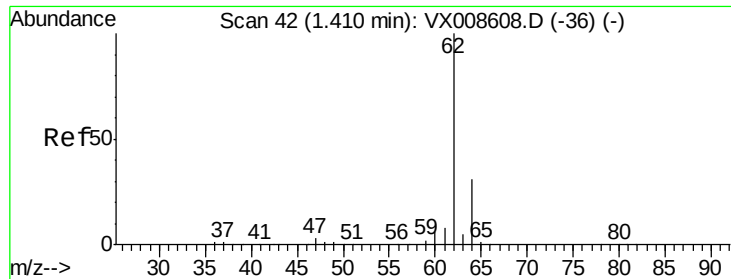
Tot Ion:168 Resp: 192083
Ion Ratio Lower Upper
168 100
99 56.1 46.7 70.1



#3
Chloromethane
Concen: Below Cal
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX008685.D
Acq: 05 Apr 2019 16:37

Tgt Ion: 50 Resp: 405
Ion Ratio Lower Upper
50 100
52 40.8 25.8 38.8#





#4

Vinyl Chloride

Concen: 0.236 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008685.D

Acq: 05 Apr 2019 16:37

Instrument :

MSVOA_X

ClientSampled :

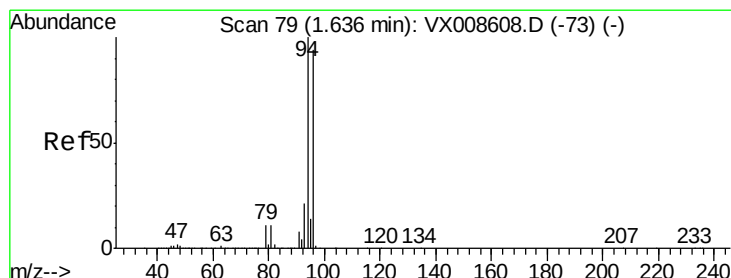
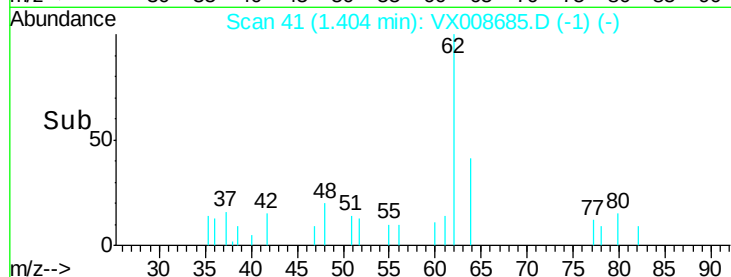
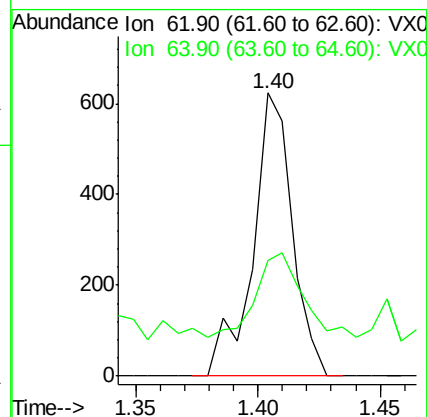
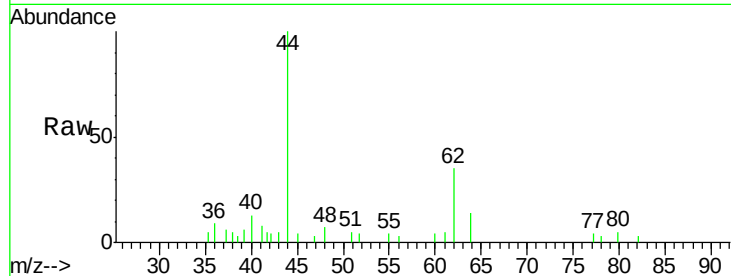
S8-EB-2019-1

Tot Ion: 62 Resp: 704

Ion Ratio Lower Upper

62 100

64 24.2 24.7 37.1#



#5

Bromomethane

Concen: 2.100 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008685.D

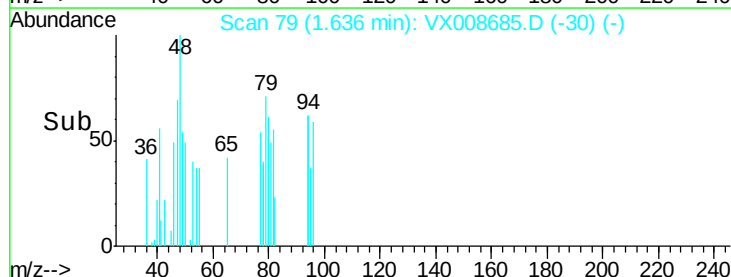
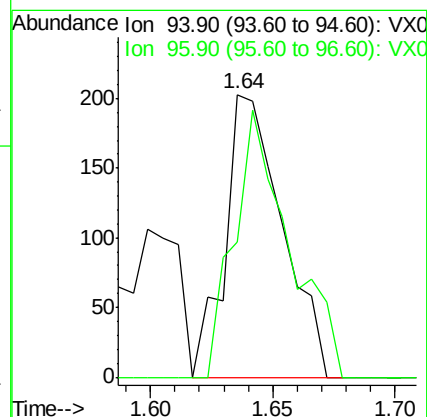
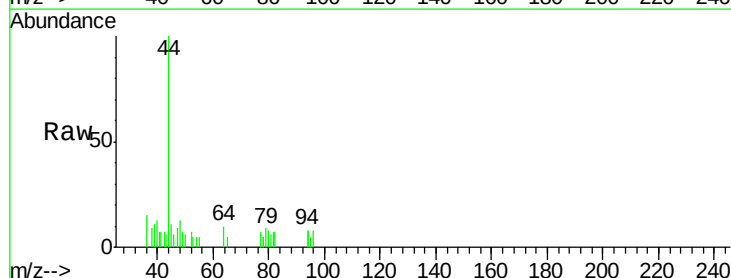
Acq: 05 Apr 2019 16:37

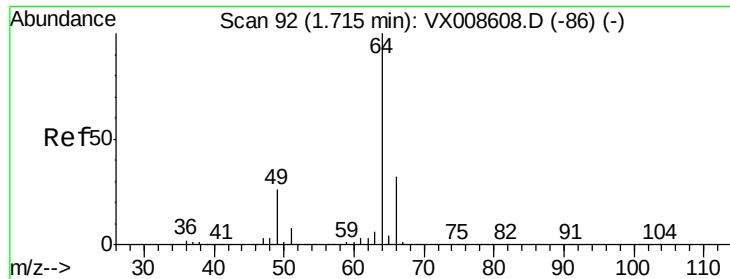
Tgt Ion: 94 Resp: 328

Ion Ratio Lower Upper

94 100

96 47.8 75.2 112.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008685.D

Acq: 05 Apr 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

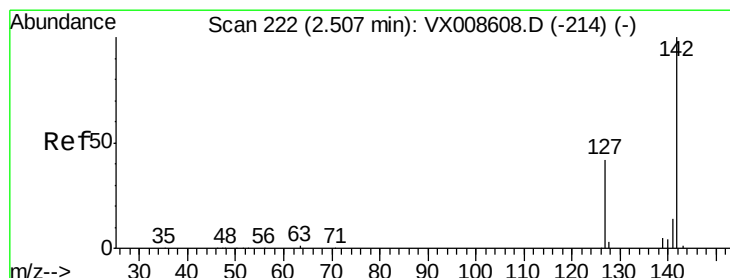
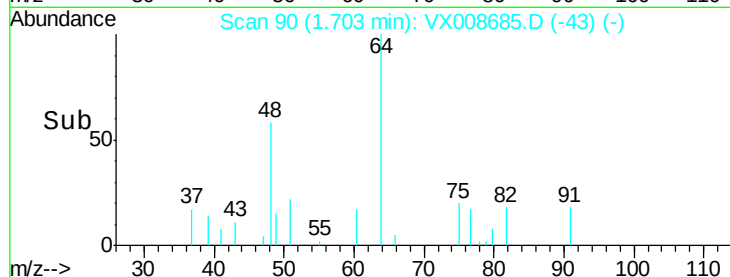
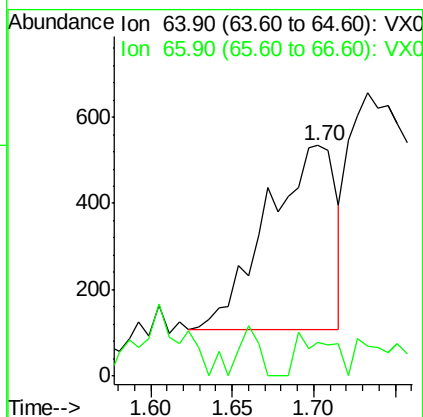
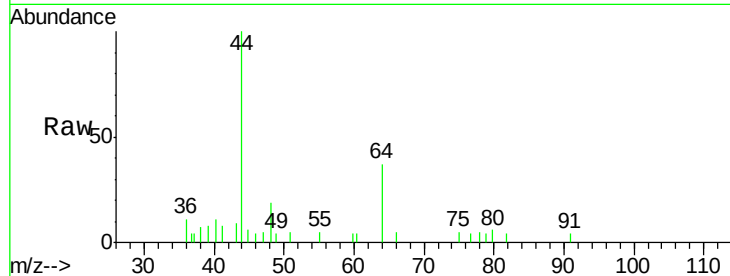
S8-EB-2019-1

Tot Ion: 64 Resp: 1243

Ion Ratio Lower Upper

64 100

66 0.2 25.4 38.0#



#10

Methyl Iodide

Concen: 4.108 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008685.D

Acq: 05 Apr 2019 16:37

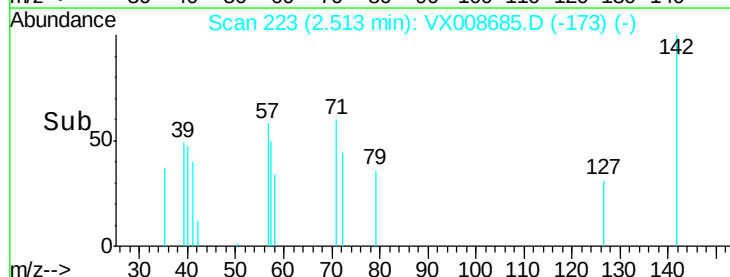
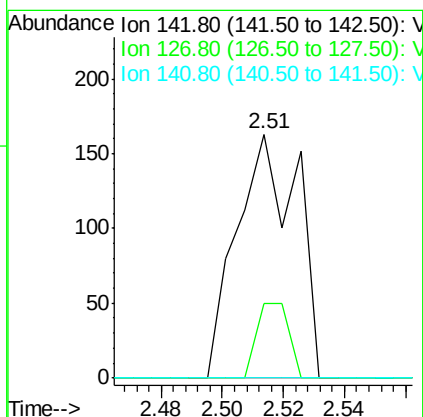
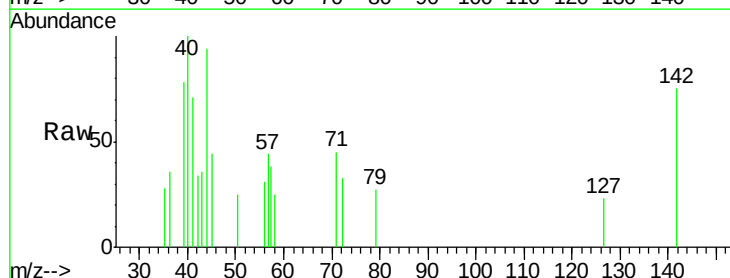
Tgt Ion: 142 Resp: 222

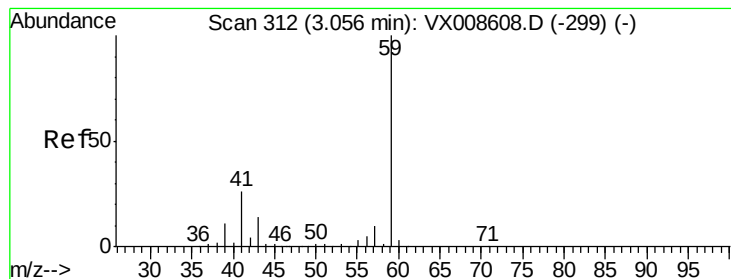
Ion Ratio Lower Upper

142 100

127 16.7 33.0 49.6#

141 0.0 11.4 17.2#



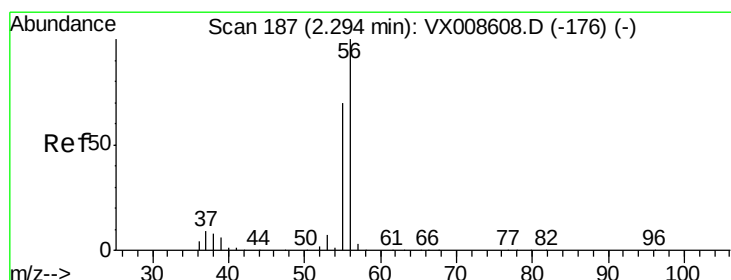
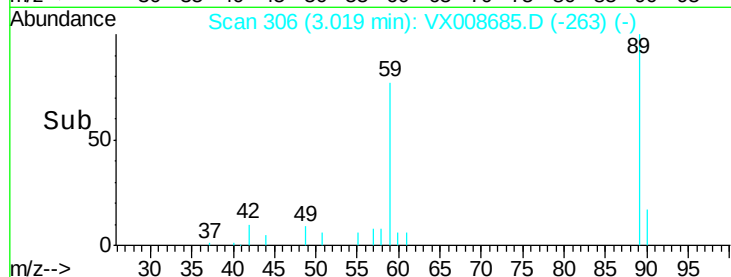
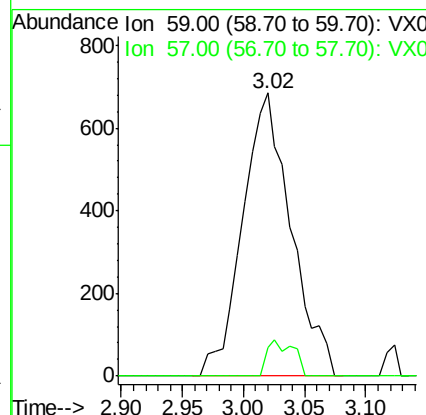
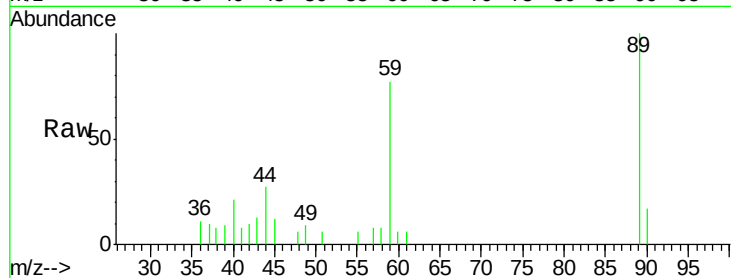


#11

Tert butyl alcohol
 Concen: 2.863 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.04 min
 Lab File: VX008685.D
 Acq: 05 Apr 2019 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-EB-2019-1

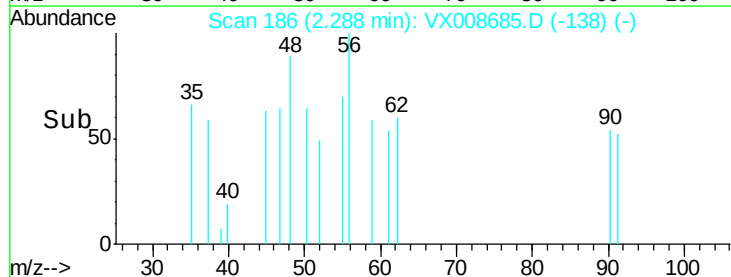
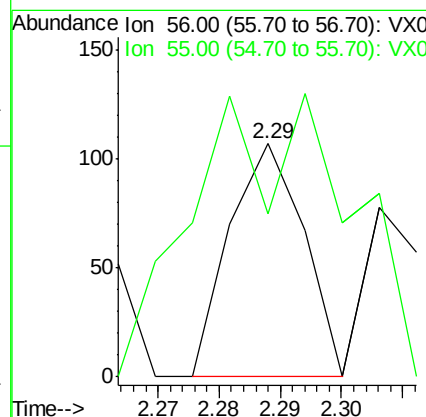
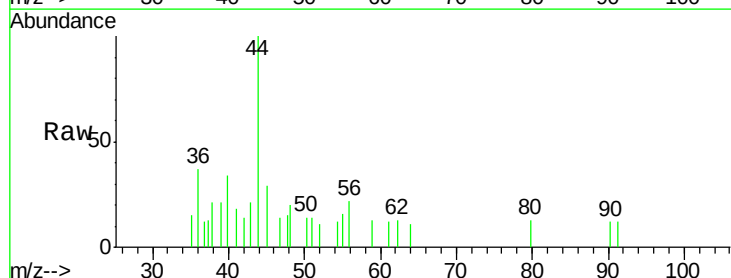
Tot Ion: 59 Resp: 1878
 Ion Ratio Lower Upper
 59 100
 57 6.9 8.3 12.5#

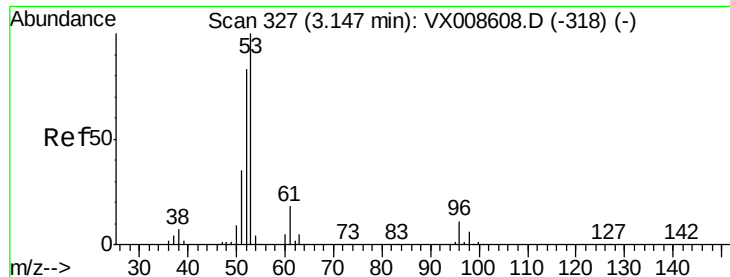


#13

Acrolein
 Concen: 0.274 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX008685.D
 Acq: 05 Apr 2019 16:37

Tgt Ion: 56 Resp: 89
 Ion Ratio Lower Upper
 56 100
 55 284.3 58.0 87.0#





#15

Acrylonitrile

Concen: 0.207 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX008685.D

Acq: 05 Apr 2019 16:37

Instrument :

MSVOA_X

ClientSampled :

S8-EB-2019-1

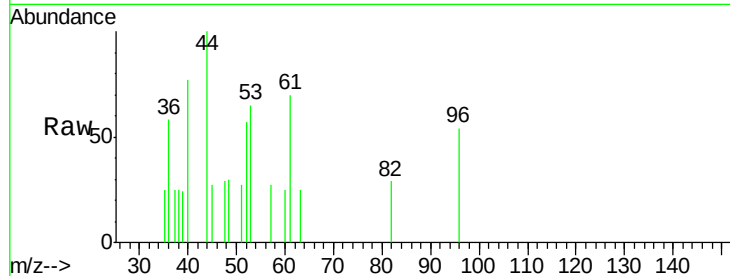
Tot Ion: 53 Resp: 359

Ion Ratio Lower Upper

53 100

52 68.2 66.5 99.7

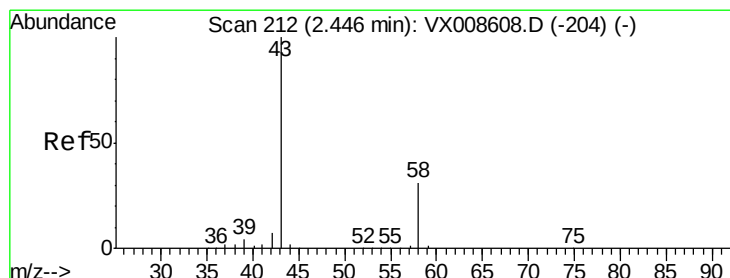
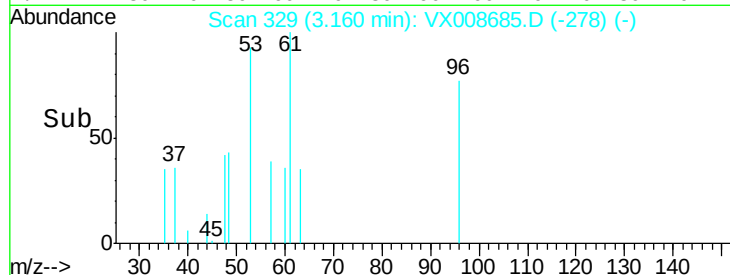
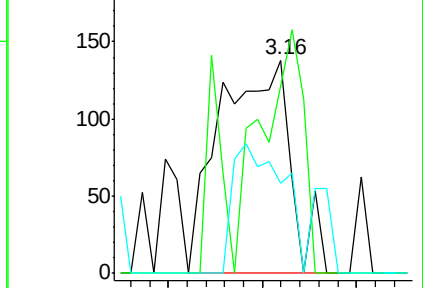
51 0.0 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 4.631 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008685.D

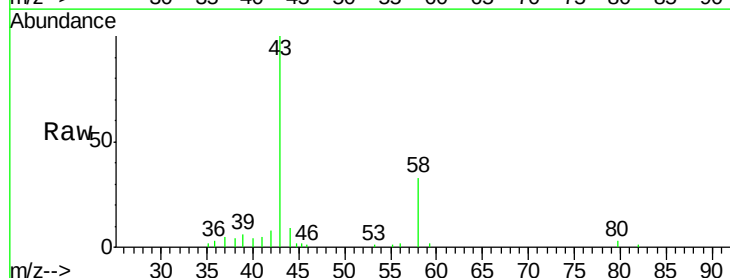
Acq: 05 Apr 2019 16:37

Tgt Ion: 43 Resp: 7473

Ion Ratio Lower Upper

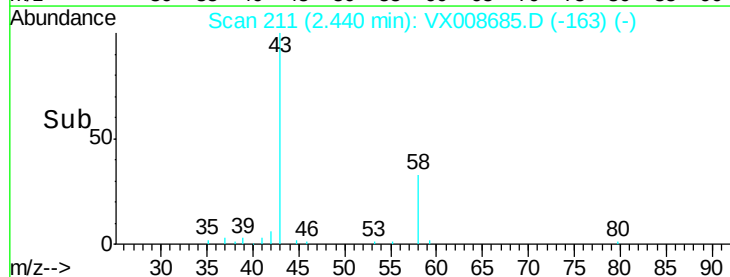
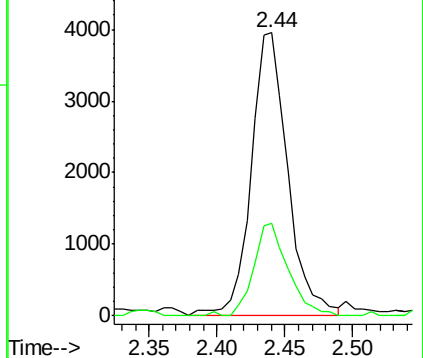
43 100

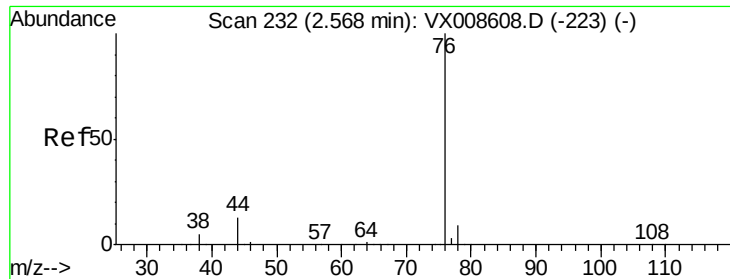
58 32.6 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008685.D

Acq: 05 Apr 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

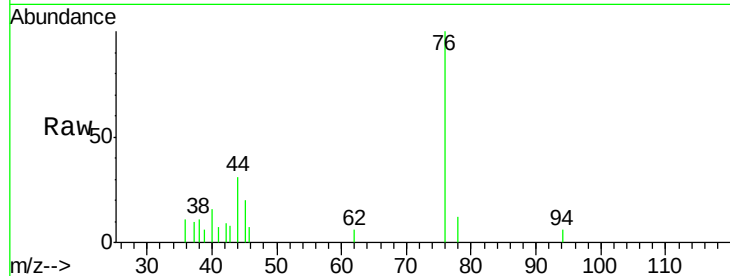
S8-EB-2019-1

Tot Ion: 76 Resp: 1476

Ion Ratio Lower Upper

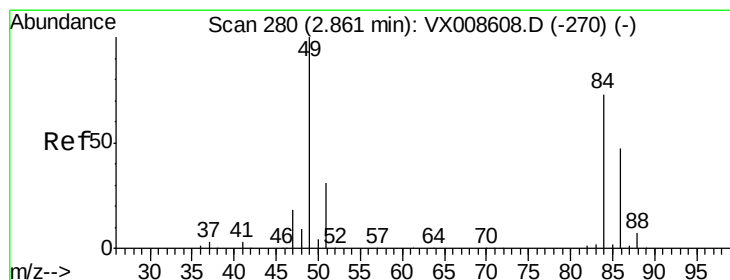
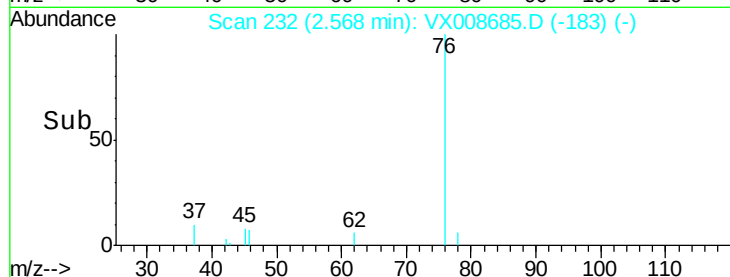
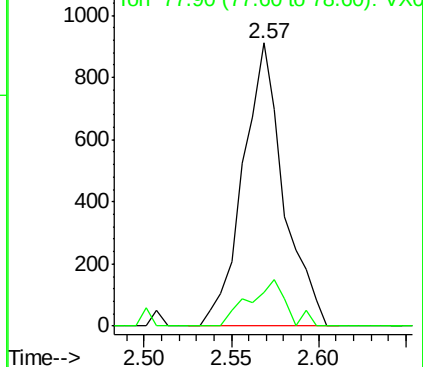
76 100

78 11.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 32.366 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008685.D

Acq: 05 Apr 2019 16:37

Tgt Ion: 84 Resp: 87423

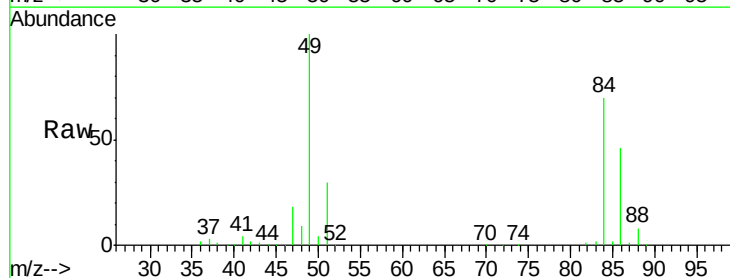
Ion Ratio Lower Upper

84 100

49 142.1 109.7 164.5

51 42.8 33.6 50.4

86 64.9 51.4 77.2

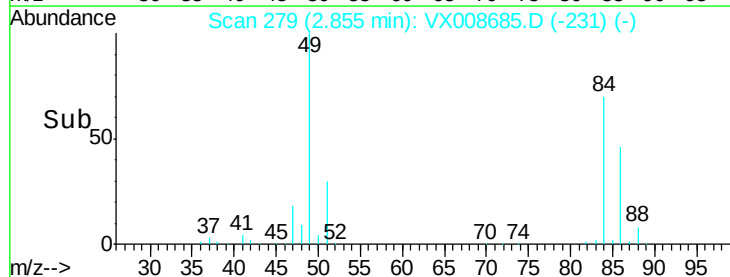
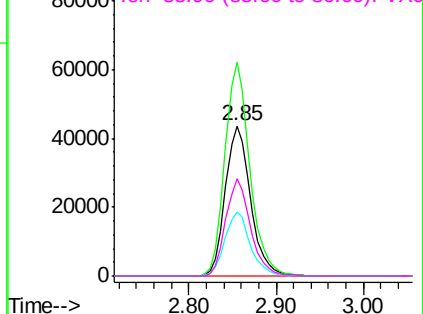


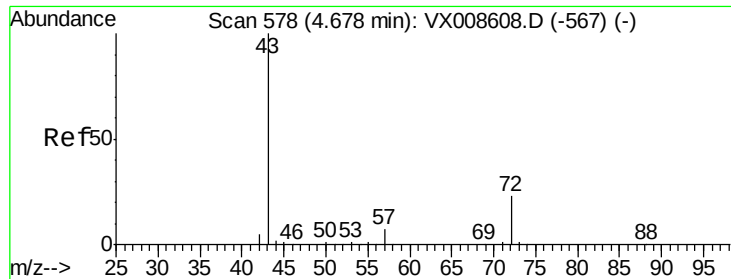
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 3.975 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008685.D

Acq: 05 Apr 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

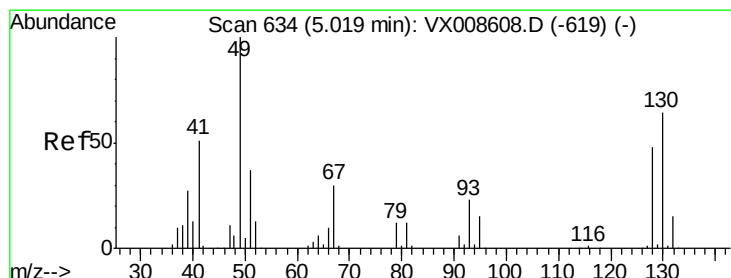
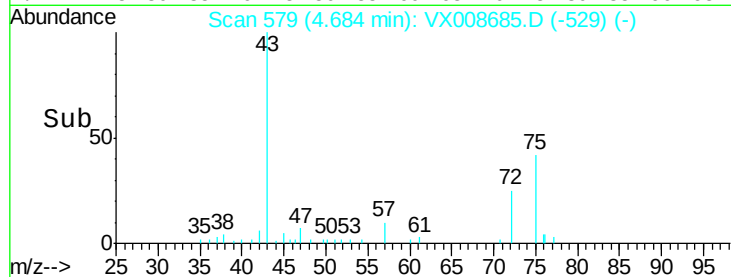
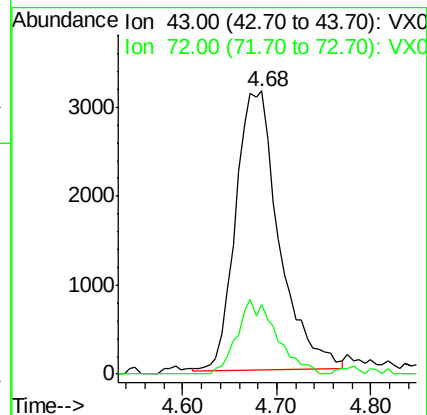
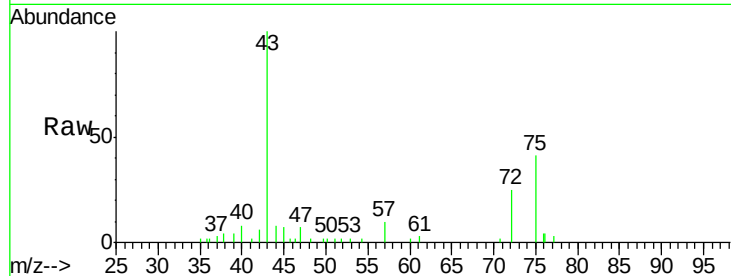
S8-EB-2019-1

Tot Ion: 43 Resp: 10139

Ion Ratio Lower Upper

43 100

72 25.0 18.2 27.4



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX008685.D

Acq: 05 Apr 2019 16:37

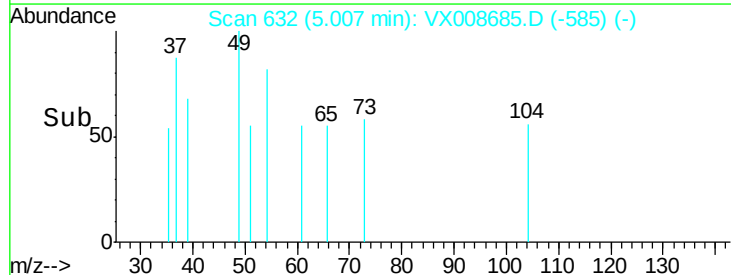
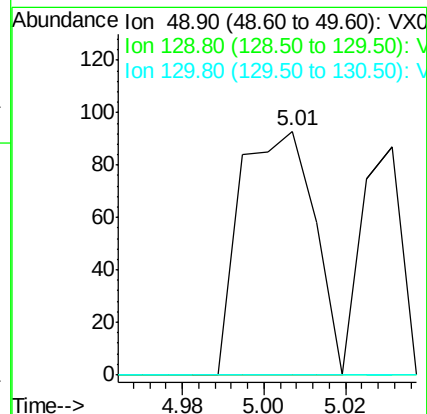
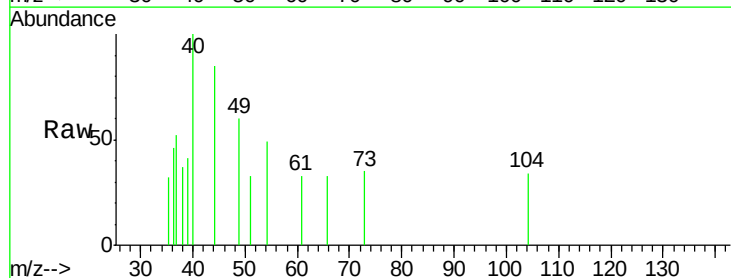
Tgt Ion: 49 Resp: 117

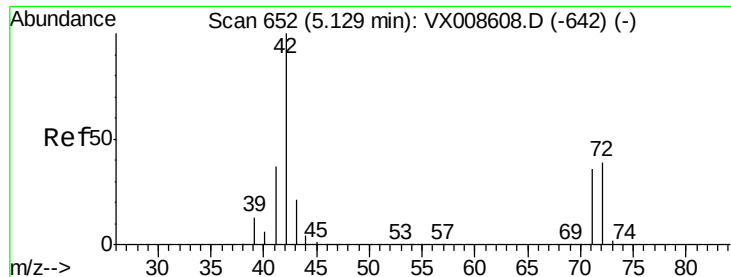
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 49.3 73.9#

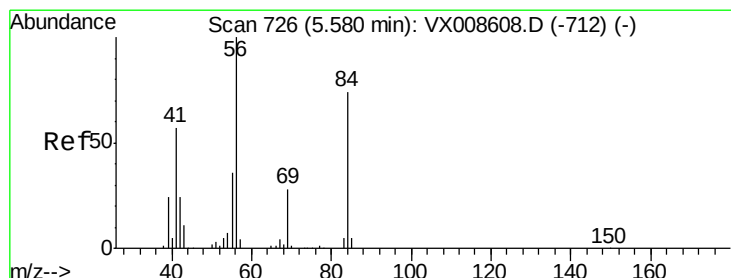
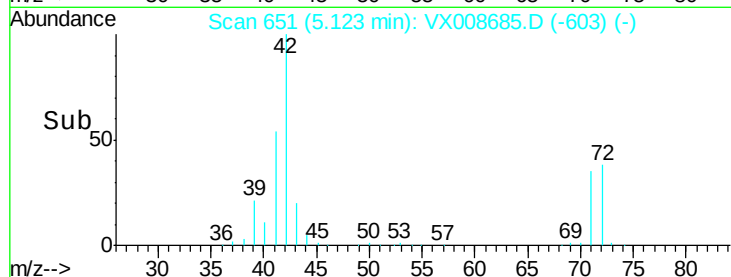
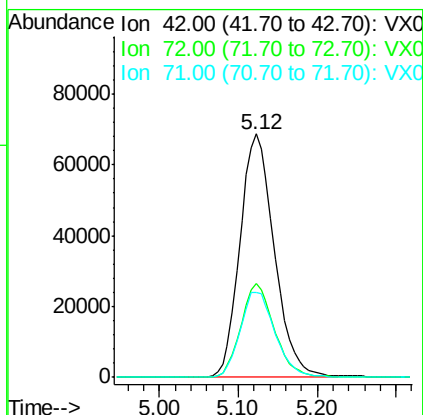
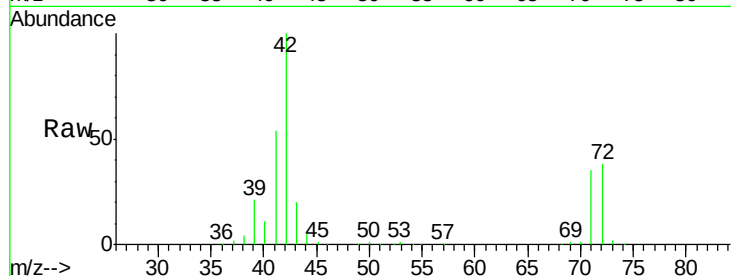




#29
Tetrahydrofuran
Concen: 123.000 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX008685.D
Acq: 05 Apr 2019 16:37

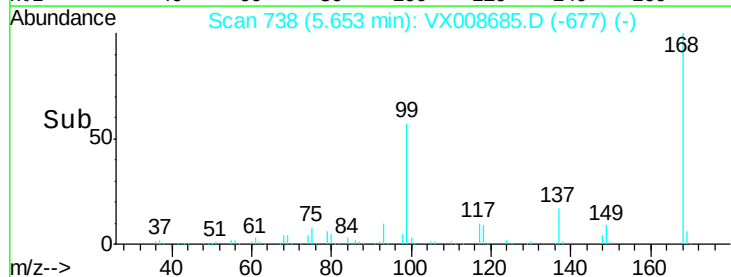
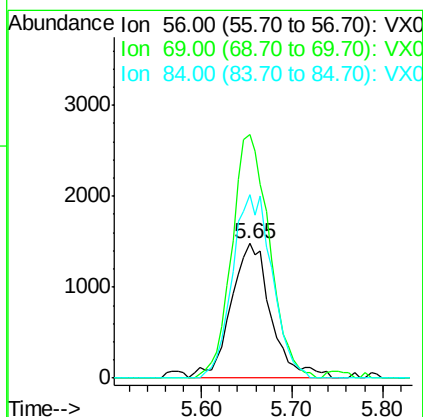
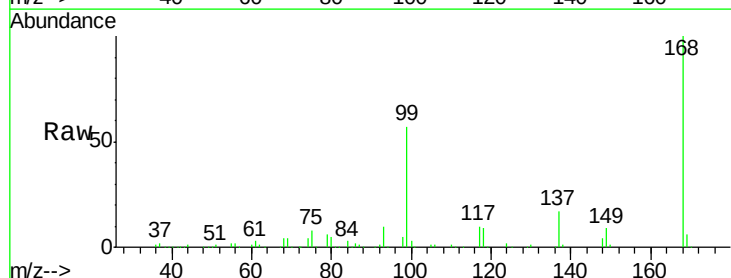
Instrument :
MSVOA_X
ClientSampleId :
S8-EB-2019-1

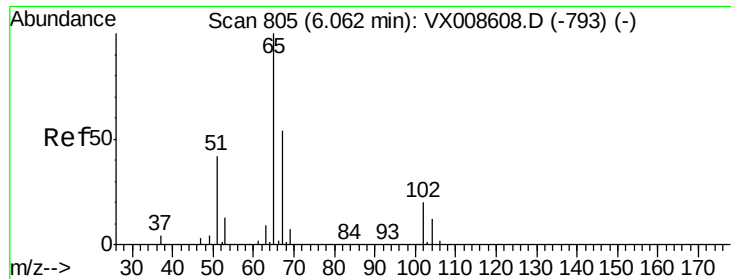
Tot Ion: 42 Resp: 208212
Ion Ratio Lower Upper
42 100
72 37.5 30.5 45.7
71 35.8 28.6 43.0



#31
Cyclohexane
Concen: 0.935 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX008685.D
Acq: 05 Apr 2019 16:37

Tgt Ion: 56 Resp: 4524
Ion Ratio Lower Upper
56 100
69 180.8 22.6 33.8#
84 135.9 59.3 88.9#

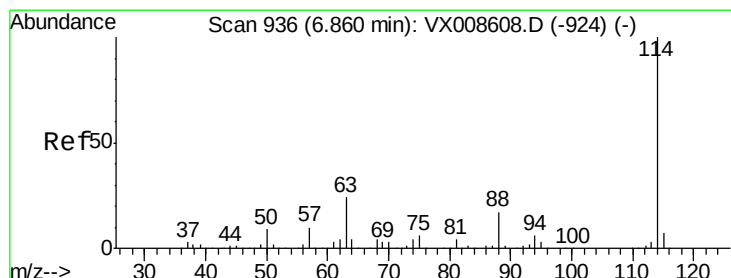
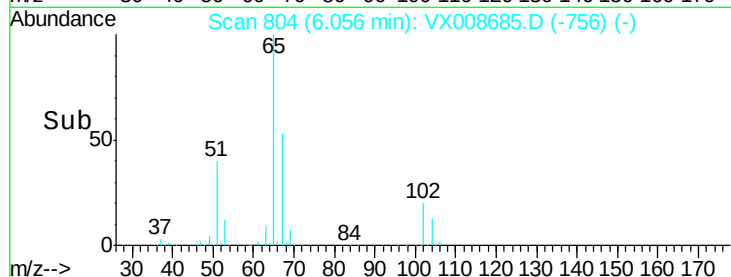
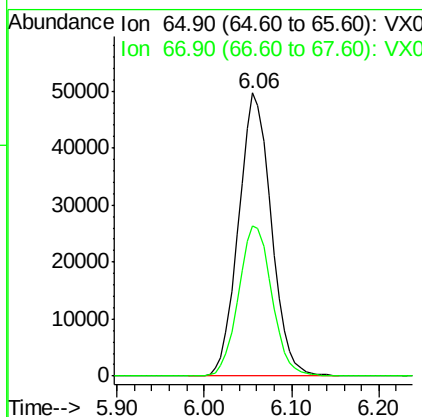
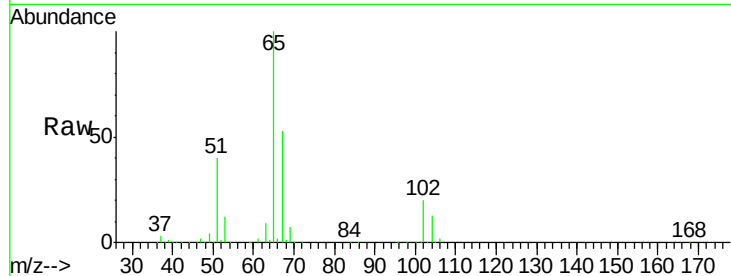




#33
 1,2-Dichloroethane-d4
 Concen: 46.120 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008685.D
 Acq: 05 Apr 2019 16:37

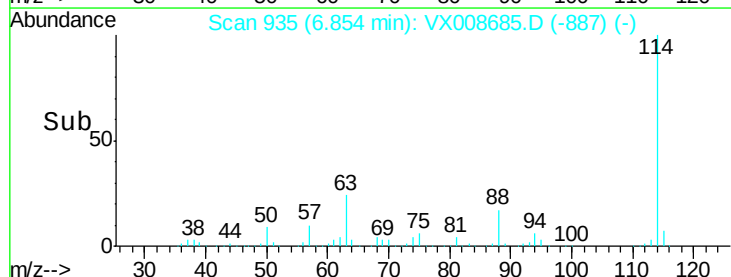
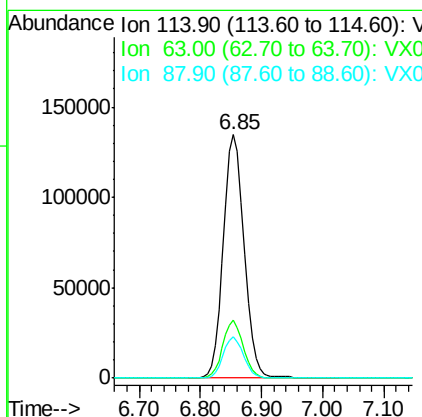
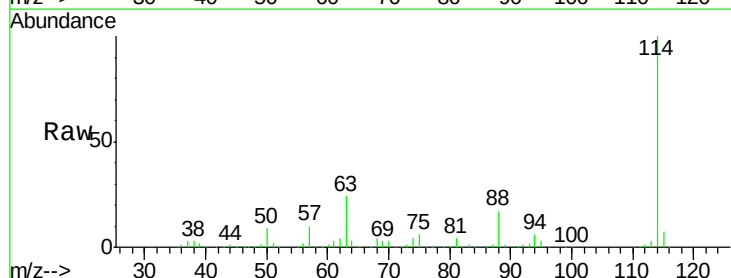
Instrument :
 MSVOA_X
 ClientSampled :
 S8-EB-2019-1

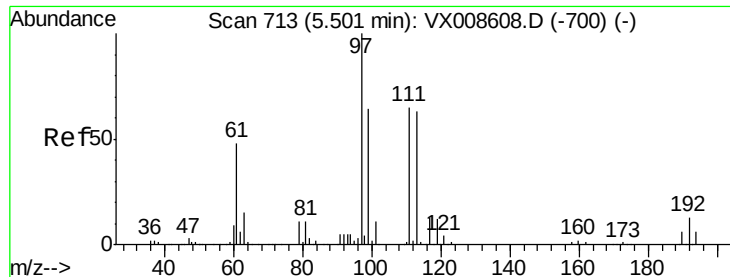
Tot Ion: 65 Resp: 129212
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008685.D
 Acq: 05 Apr 2019 16:37

Tgt Ion: 114 Resp: 317932
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 47.2
 88 17.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.490 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008685.D

Acq: 05 Apr 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

S8-EB-2019-1

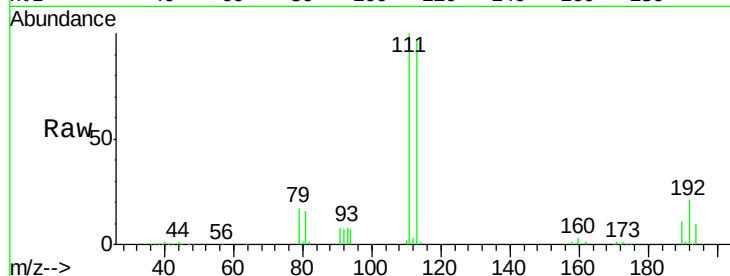
Tot Ion:113 Resp: 96535

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.2

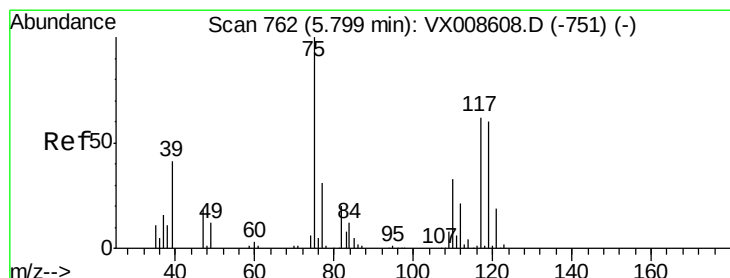
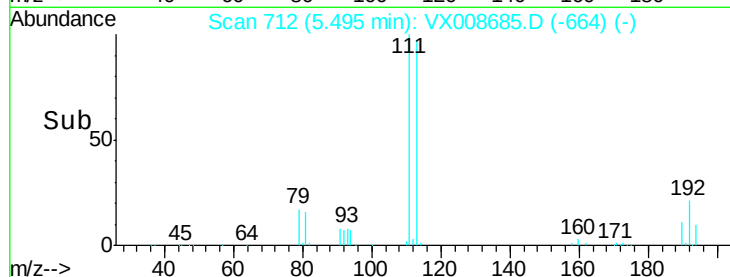
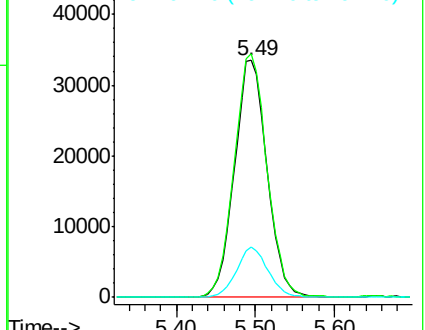
192 20.5 16.1 24.1



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: 4.417 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX008685.D

Acq: 05 Apr 2019 16:37

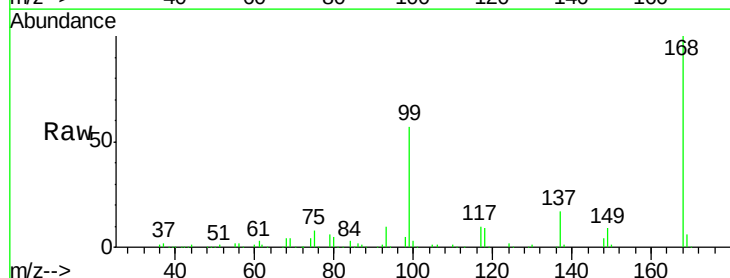
Tgt Ion: 75 Resp: 15352

Ion Ratio Lower Upper

75 100

110 9.2 16.4 49.2#

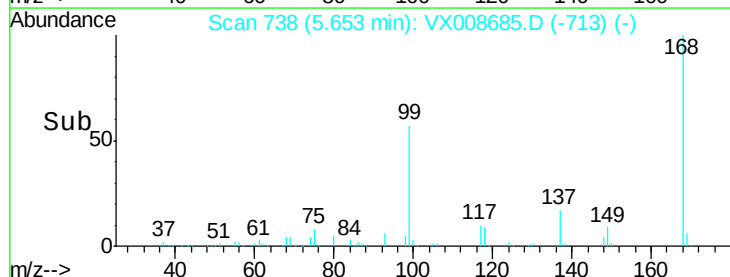
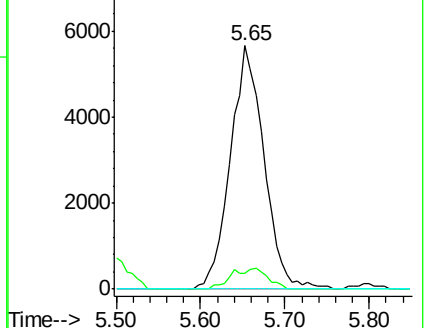
77 0.0 24.7 37.1#

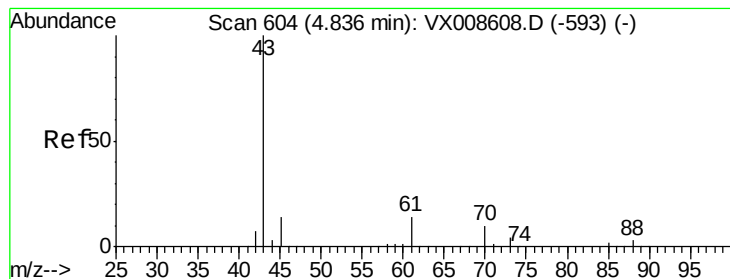


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 2.161 ug/l

RT: 4.68 min Scan# 579

Delta R.T. -0.15 min

Lab File: VX008685.D

Acq: 05 Apr 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

S8-EB-2019-1

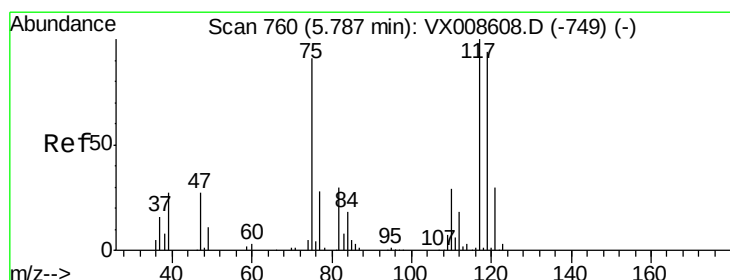
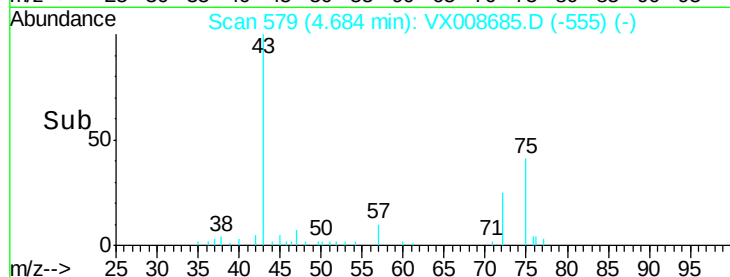
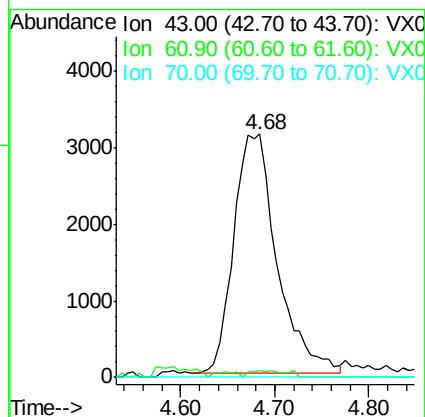
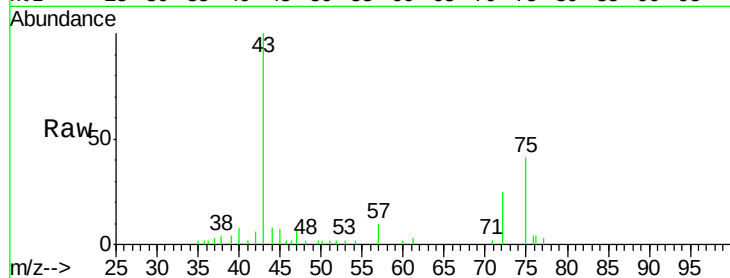
Tot Ion: 43 Resp: 10025

Ion Ratio Lower Upper

43 100

61 1.2 10.3 15.5#

70 0.0 7.6 11.4#



#38

Carbon Tetrachloride

Concen: 6.477 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008685.D

Acq: 05 Apr 2019 16:37

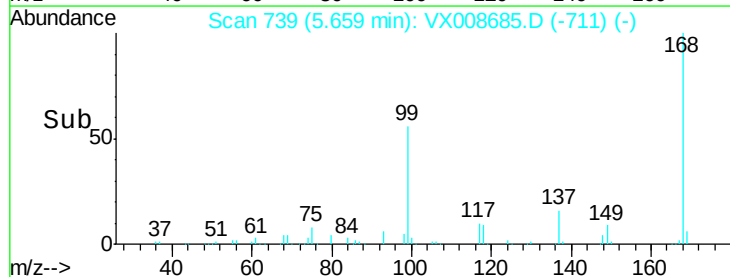
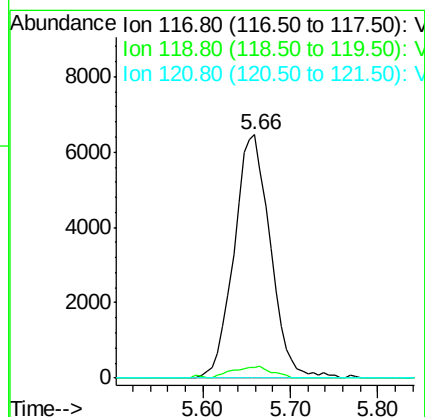
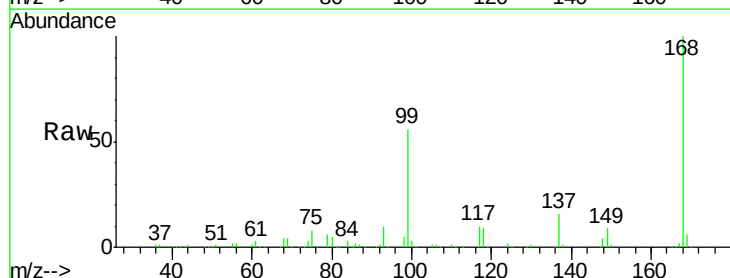
Tgt Ion: 117 Resp: 18629

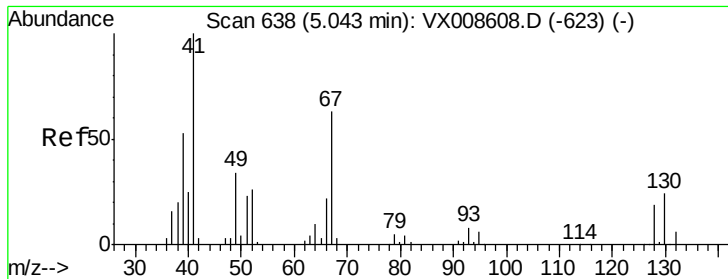
Ion Ratio Lower Upper

117 100

119 4.1 75.0 112.6#

121 0.0 24.3 36.5#

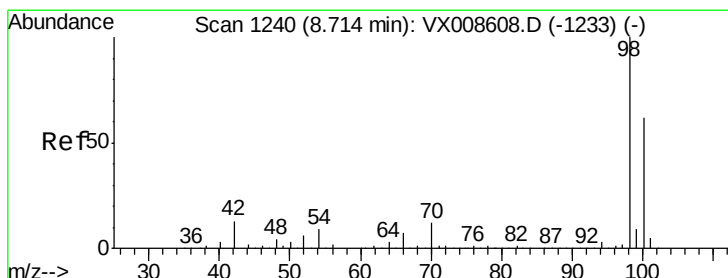
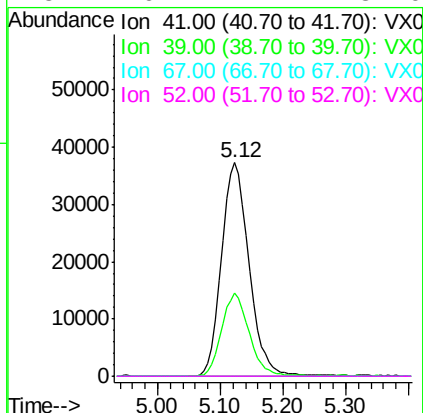
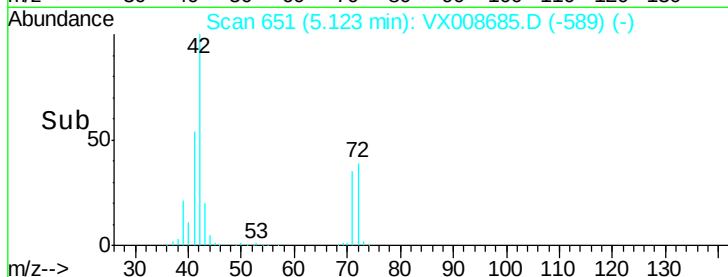
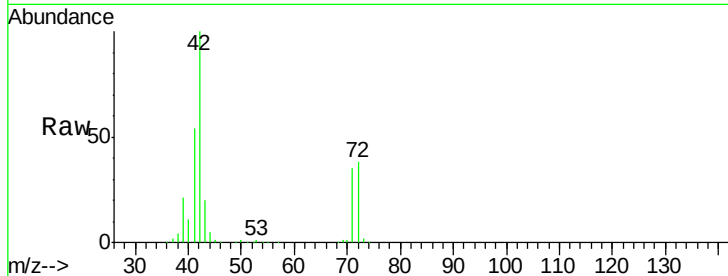




#41
Methacrylonitrile
Concen: 42.643 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.08 min
Lab File: VX008685.D
Acq: 05 Apr 2019 16:37

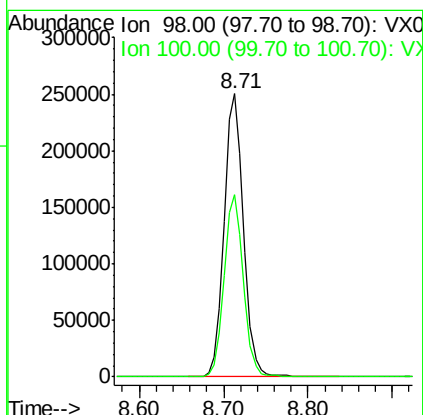
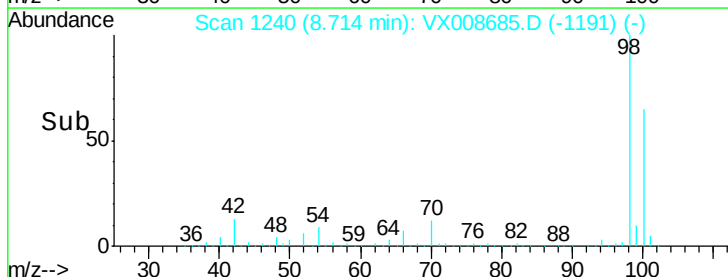
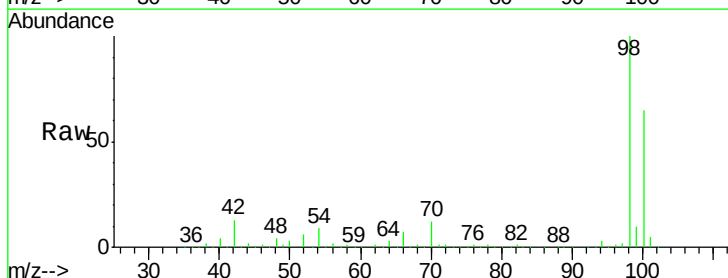
Instrument :
MSVOA_X
ClientSampled :
S8-EB-2019-1

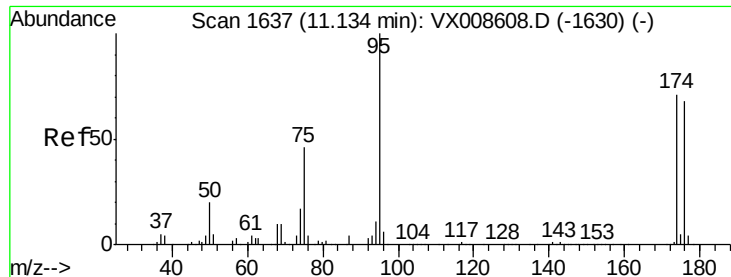
Tot Ion: 41 Resp: 113704
Ion Ratio Lower Upper
41 100
39 38.1 42.1 63.1#
67 0.0 51.0 76.6#
52 0.1 21.4 32.0#



#50
Toluene-d8
Concen: 49.017 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008685.D
Acq: 05 Apr 2019 16:37

Tgt Ion: 98 Resp: 396736
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0

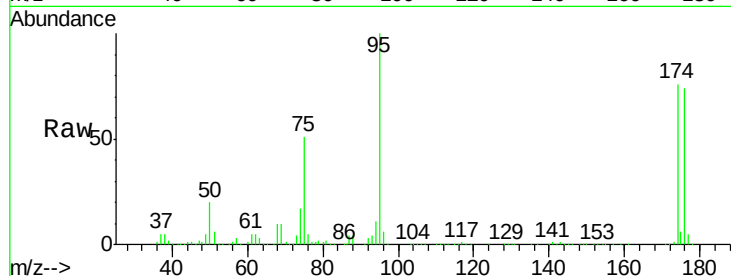




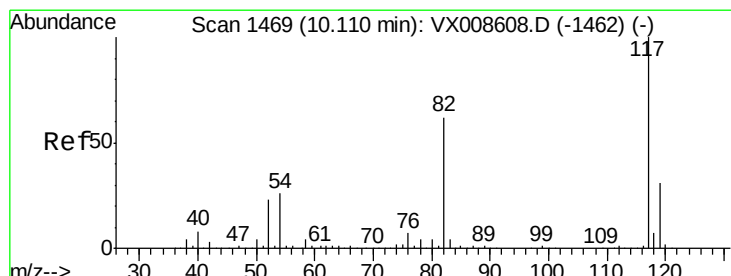
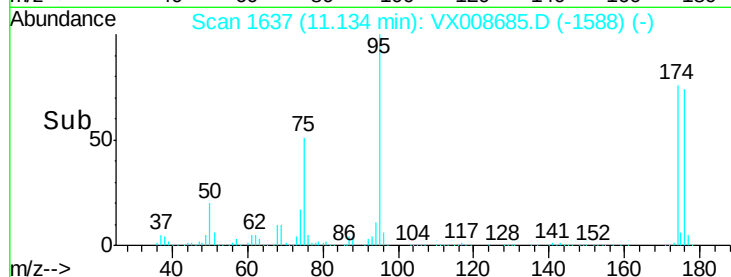
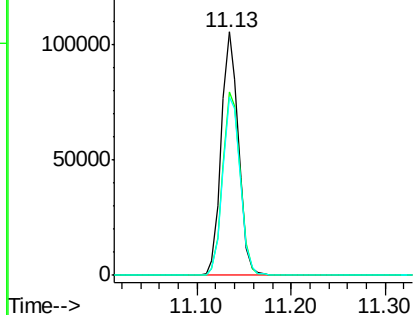
#62
4-Bromofluorobenzene
Concen: 46.582 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008685.D
Acq: 05 Apr 2019 16:37

Instrument :
MSVOA_X
ClientSampled :
S8-EB-2019-1

Tot Ion: 95 Resp: 133698
Ion Ratio Lower Upper
95 100
174 76.9 0.0 151.8
176 74.7 0.0 145.8

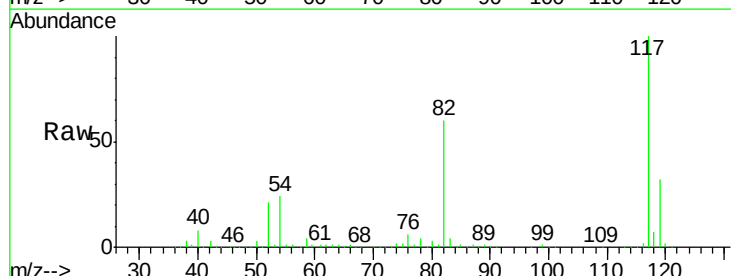


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

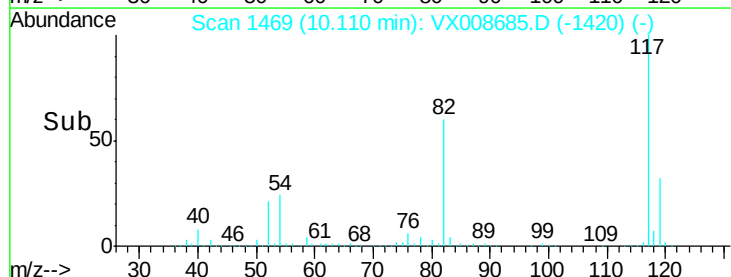
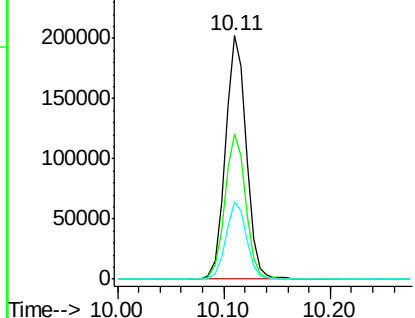


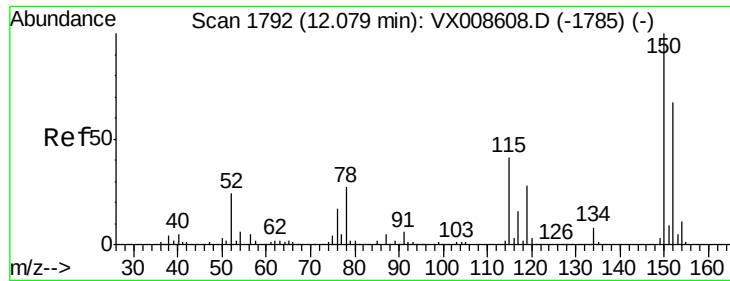
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008685.D
Acq: 05 Apr 2019 16:37

Tgt Ion: 117 Resp: 277020
Ion Ratio Lower Upper
117 100
82 59.6 49.6 74.4
119 31.9 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



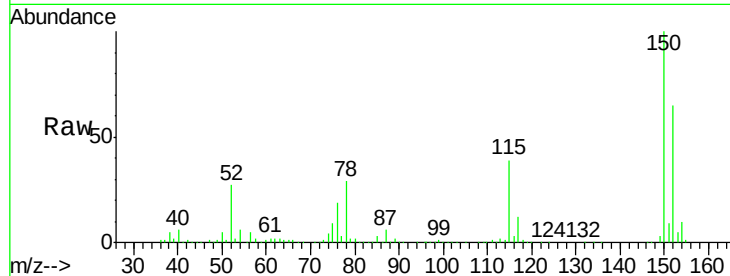


#72

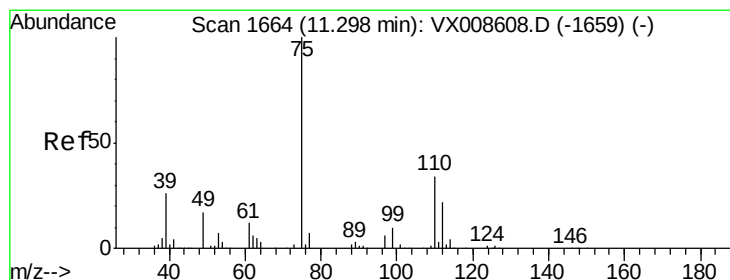
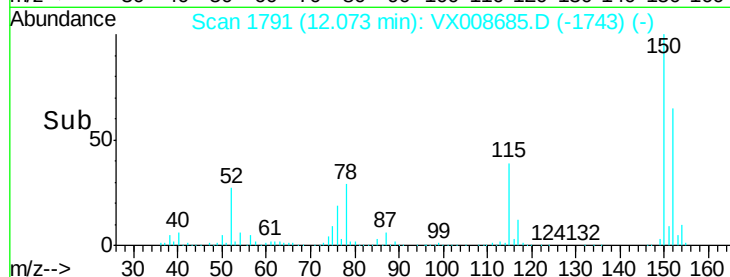
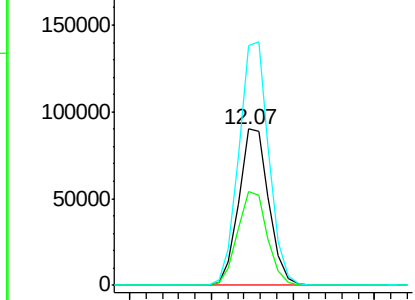
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX008685.D
Acq: 05 Apr 2019 16:37

Instrument :
MSVOA_X
ClientSampled :
S8-EB-2019-1

Tot Ion:152 Resp: 114704
Ion Ratio Lower Upper
152 100
115 60.2 43.5 130.5
150 156.4 0.0 348.8



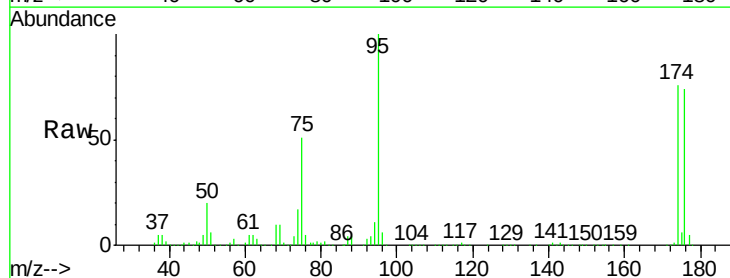
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



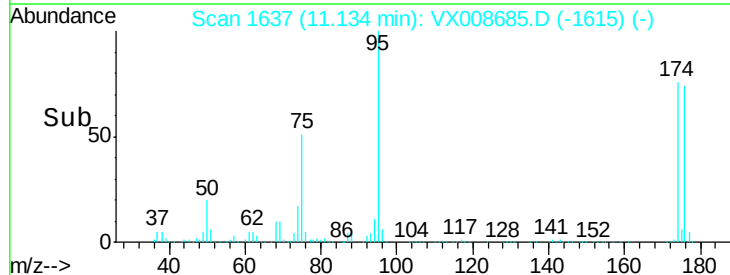
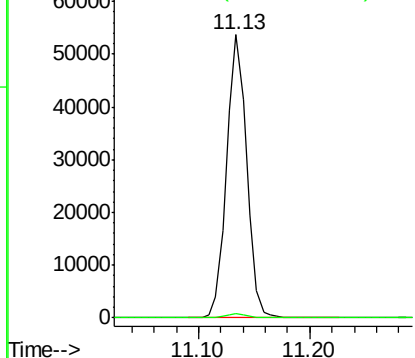
#76

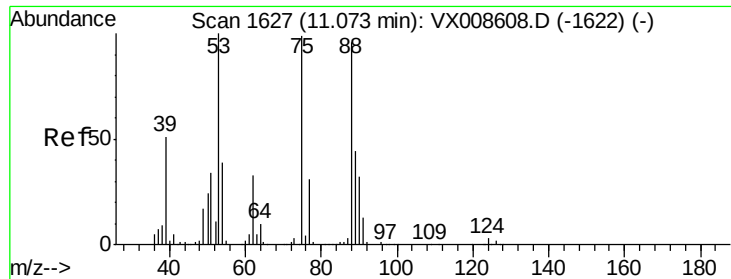
1,2,3-Trichloropropane
Concen: 21.275 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008685.D
Acq: 05 Apr 2019 16:37

Tgt Ion: 75 Resp: 67038
Ion Ratio Lower Upper
75 100
77 1.4 22.3 66.8#



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: 58.645 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008685.D

Acq: 05 Apr 2019 16:37

Instrument :

MSVOA_X

ClientSampleId :

S8-EB-2019-1

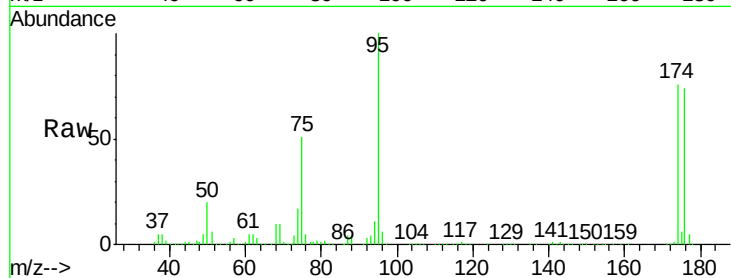
Tot Ion: 75 Resp: 67038

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#



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

