

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008214.D
 Acq On : 20 Mar 2019 01:57
 Operator : JC/SP
 Sample : K1882-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 20 08:38:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	331626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	536652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	451183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180110	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	229458	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
35) Dibromofluoromethane	5.50	113	169054	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
50) Toluene-d8	8.71	98	660856	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	11.13	95	207729	44.29	ug/l	0.00
Spiked Amount			Recovery	=	88.58%	

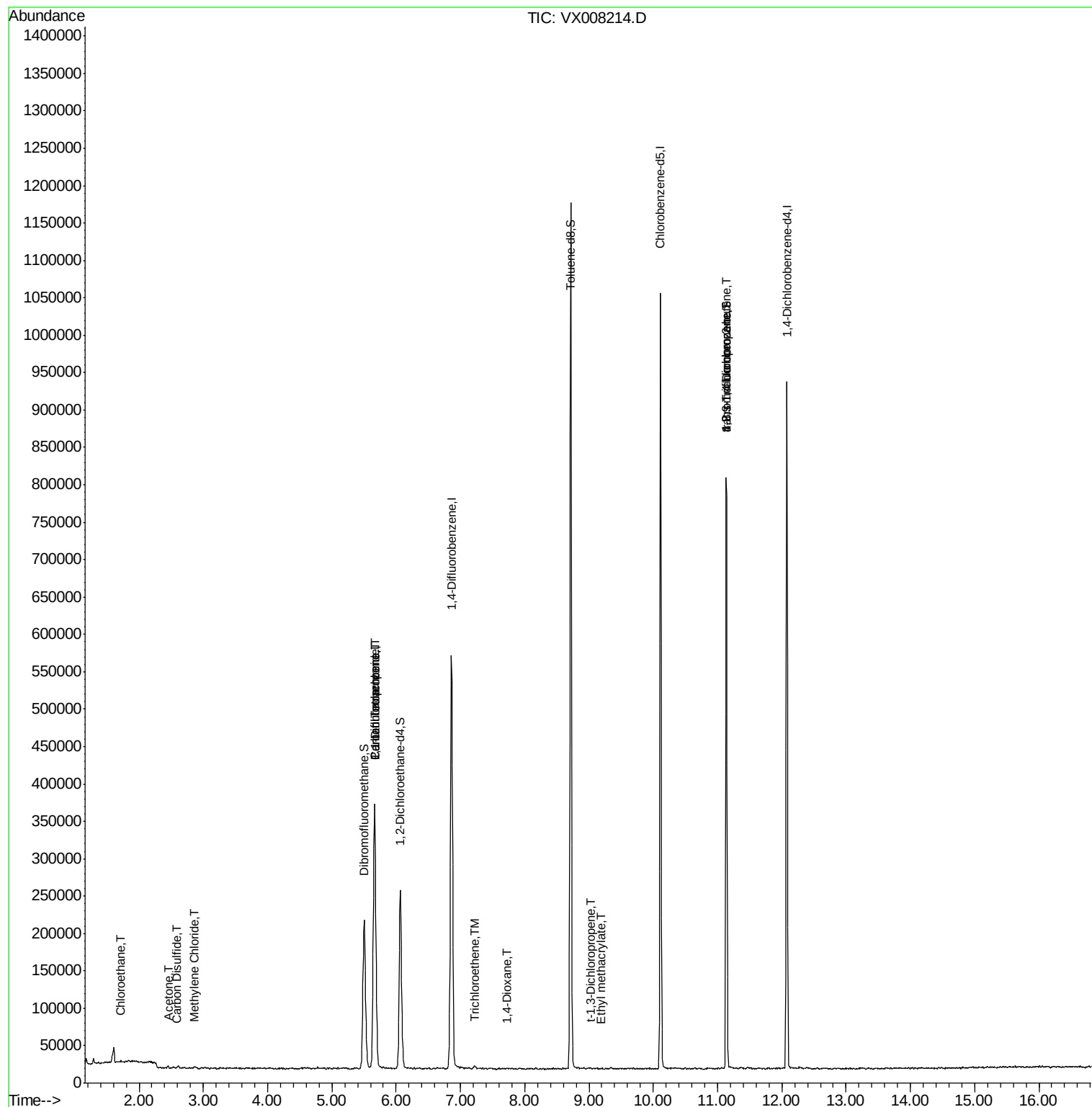
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	851	0.270	ug/l #	55
13) Acrolein	2.28	56	78	Below Cal	#	13
16) Acetone	2.45	43	3125	1.103	ug/l	95
17) Carbon Disulfide	2.57	76	1088	0.757	ug/l #	92
20) Methylene Chloride	2.87	84	1111	0.235	ug/l #	88
36) 1,1-Dichloropropene	5.66	75	26882	4.302	ug/l #	41
38) Carbon Tetrachloride	5.66	117	32861	5.903	ug/l #	16
44) Trichloroethene	7.22	130	1421	0.314	ug/l	96
49) 1,4-Dioxane	7.73	88	28	0.252	ug/l #	1
53) t-1,3-Dichloropropene	9.02	75	122	1.438	ug/l #	48
56) Ethyl methacrylate	9.19	69	165	0.547	ug/l #	85
76) 1,2,3-Trichloropropane	11.13	75	110042	21.723	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	110042	55.223	ug/l #	12

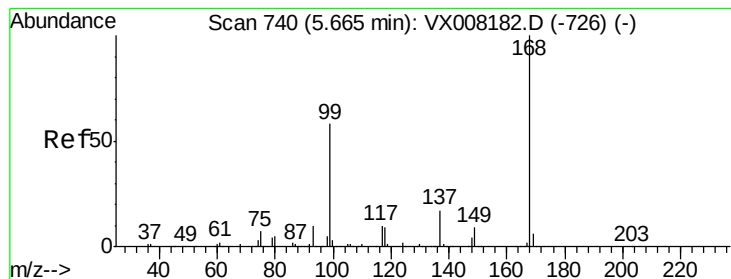
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
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QLast Update : Wed Mar 20 06:51:58 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: VX008214.D

Acq: 20 Mar 2019 01:57

Instrument :

MSVOA_X

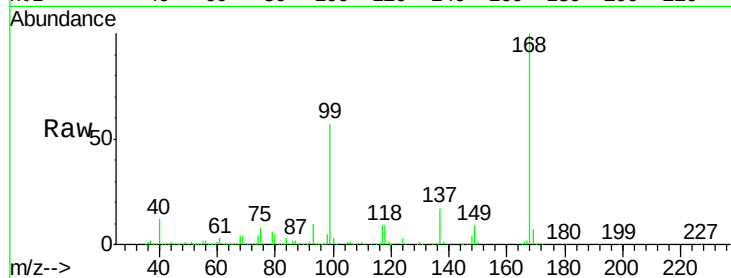
ClientSampled :

Tot Ion:168 Resp: 331626

Ion Ratio Lower Upper

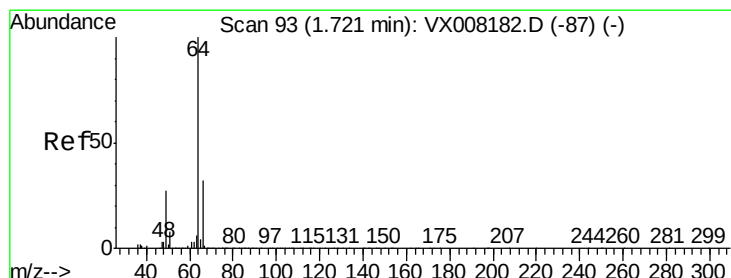
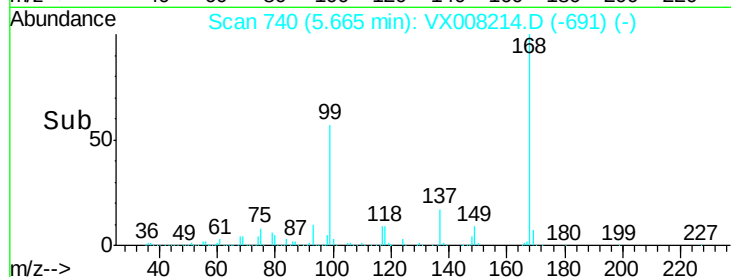
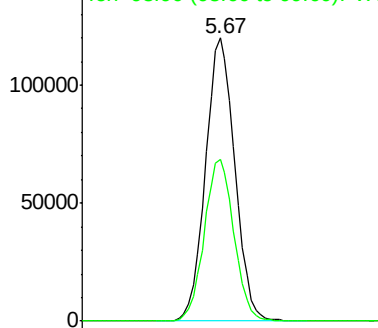
168 100

99 56.9 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.270 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008214.D

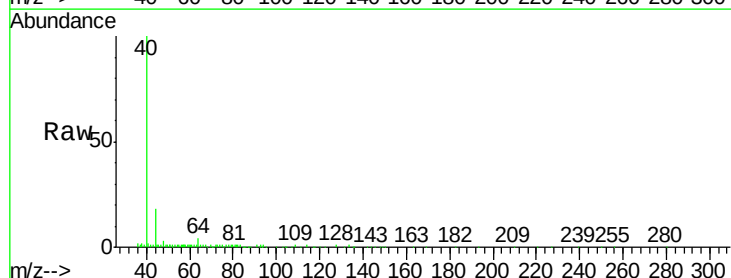
Acq: 20 Mar 2019 01:57

Tgt Ion: 64 Resp: 851

Ion Ratio Lower Upper

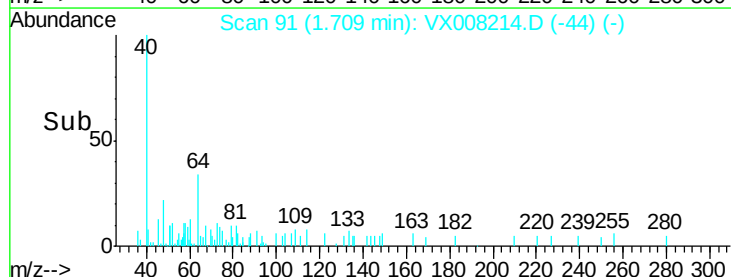
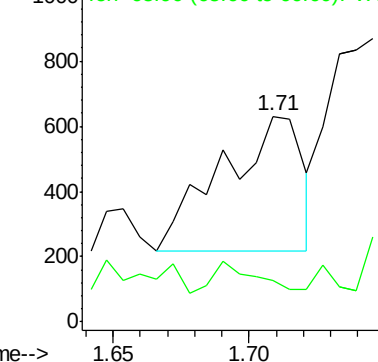
64 100

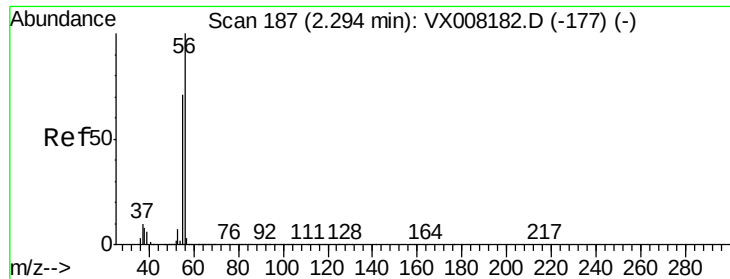
66 6.8 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX008214.D

Acq: 20 Mar 2019 01:57

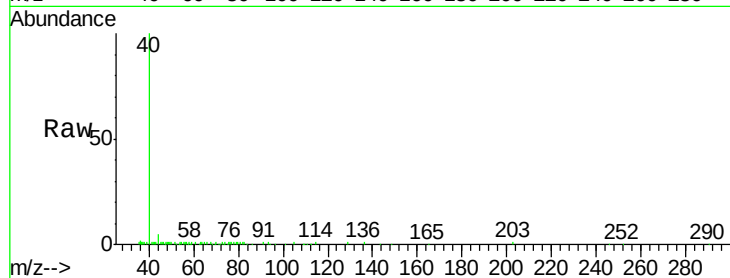
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 78

Ion Ratio Lower Upper

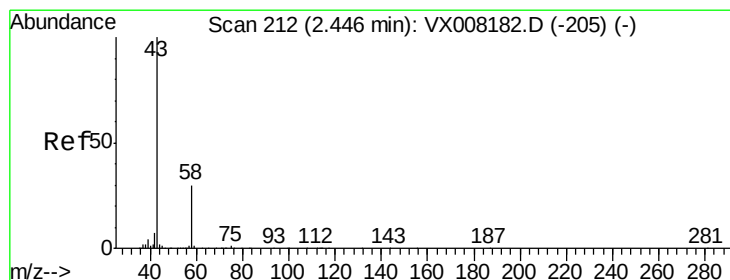
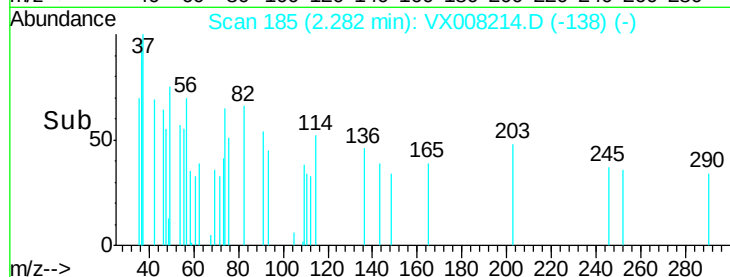
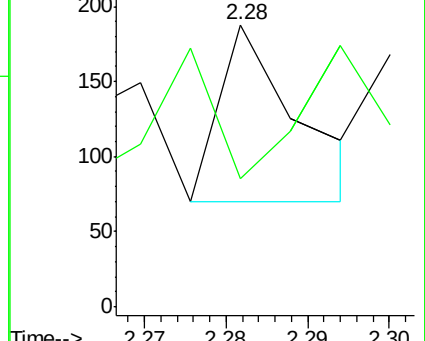
56 100

55 0.0 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.103 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008214.D

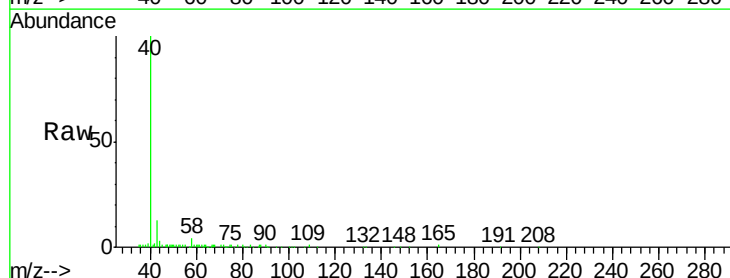
Acq: 20 Mar 2019 01:57

Tgt Ion: 43 Resp: 3125

Ion Ratio Lower Upper

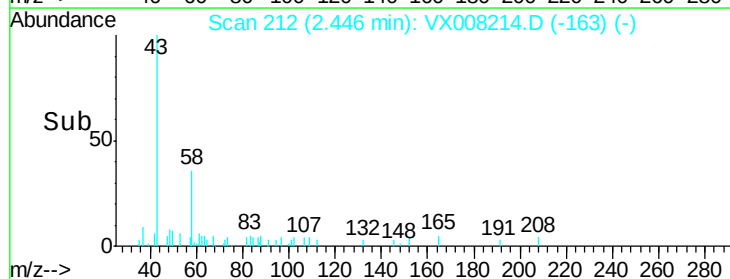
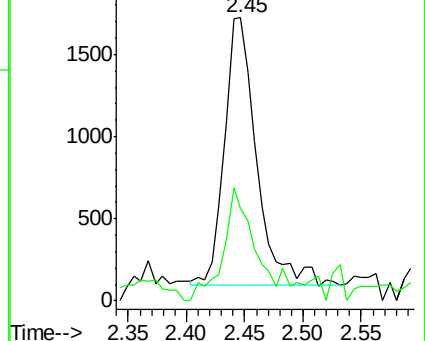
43 100

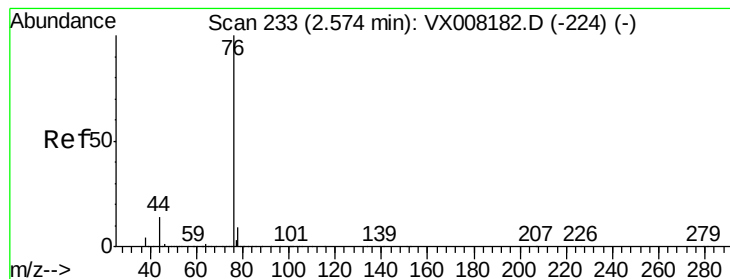
58 34.9 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.757 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008214.D

Acq: 20 Mar 2019 01:57

Instrument :

MSVOA_X

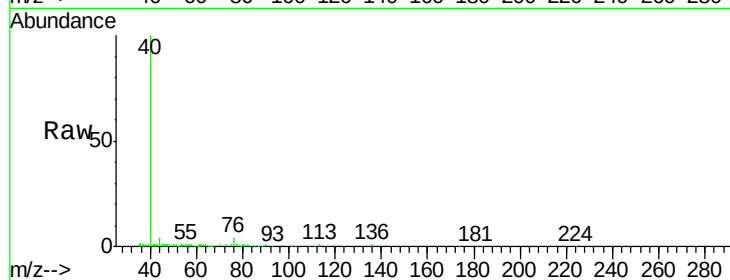
ClientSampleId :

Tot Ion: 76 Resp: 1088

Ion Ratio Lower Upper

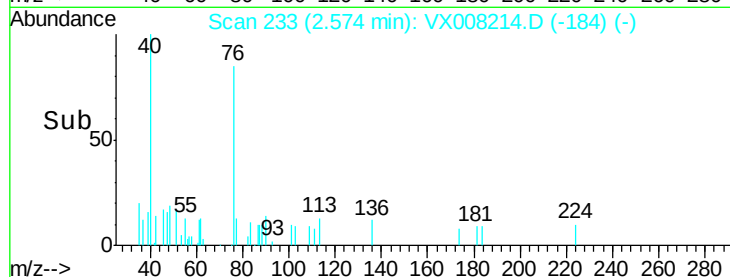
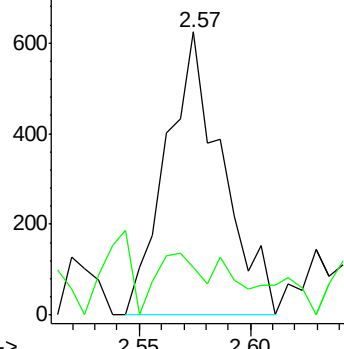
76 100

78 6.1 7.2 10.8#

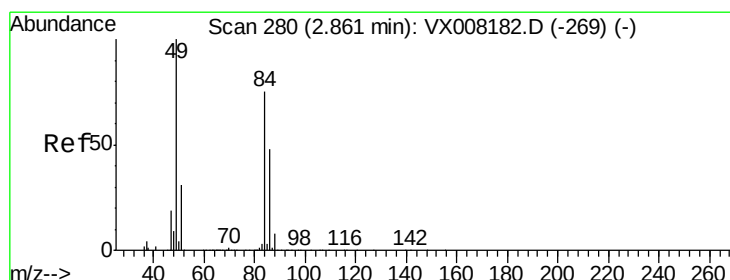


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#20

Methylene Chloride

Concen: 0.235 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX008214.D

Acq: 20 Mar 2019 01:57

Tgt Ion: 84 Resp: 1111

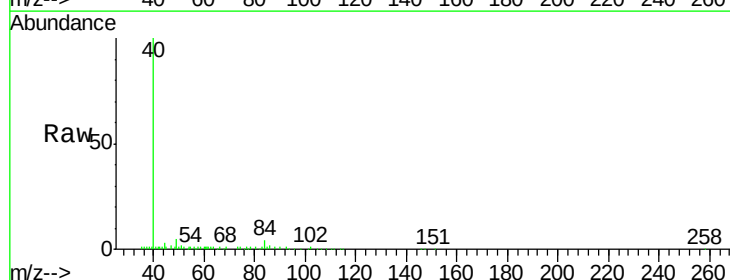
Ion Ratio Lower Upper

84 100

49 111.5 99.3 148.9

51 27.6 31.3 46.9#

86 57.0 52.6 79.0

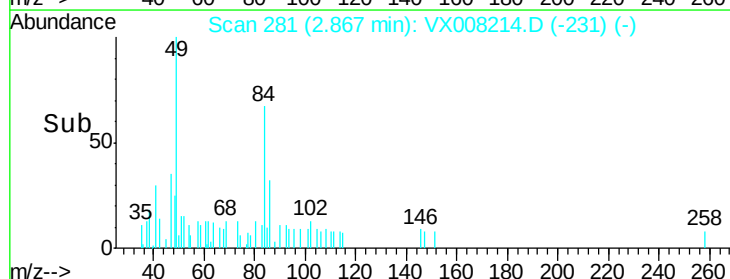
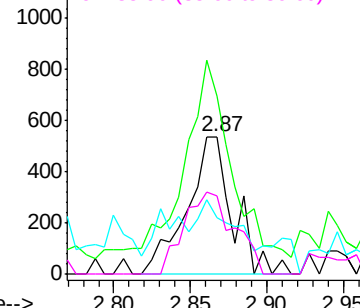


Abundance Ion 83.90 (83.60 to 84.60): VX0

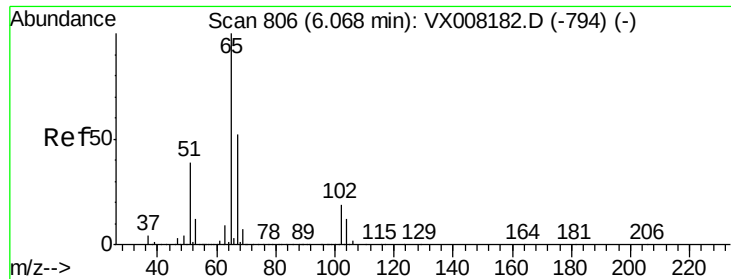
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



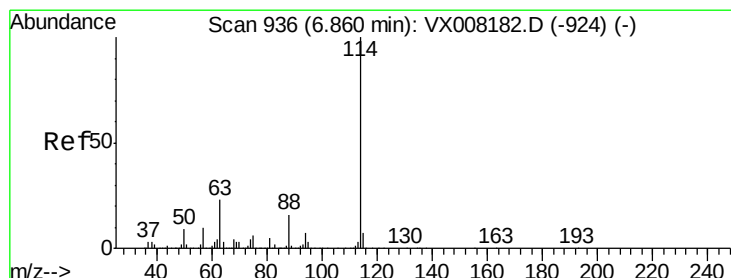
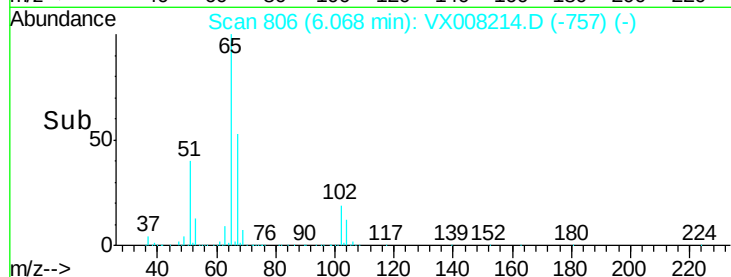
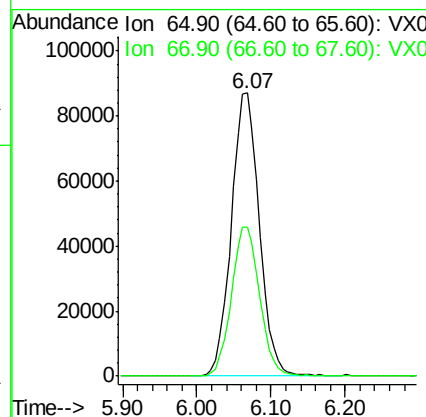
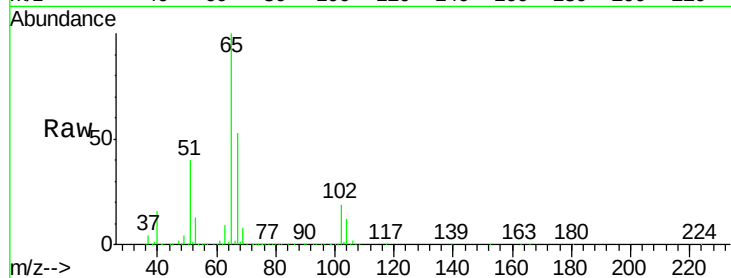
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 45.941 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008214.D
 Acq: 20 Mar 2019 01:57

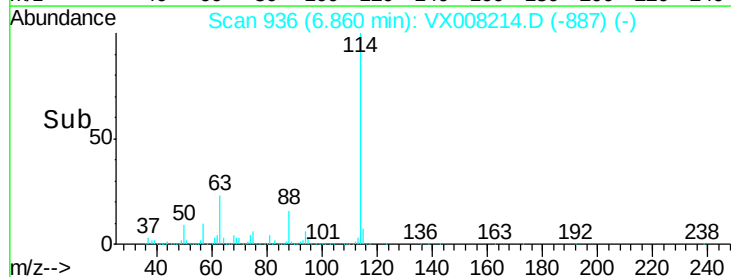
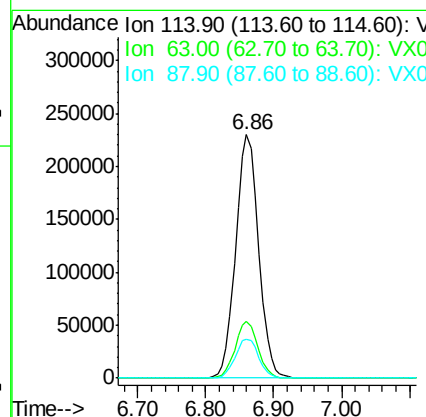
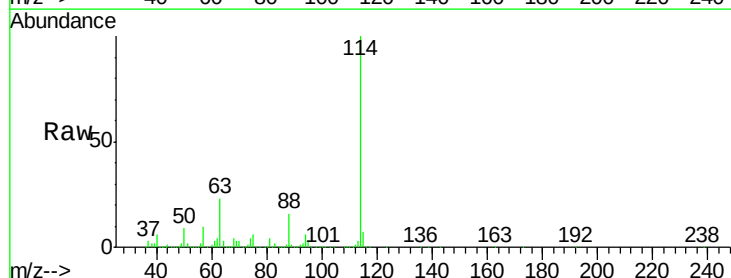
Instrument :
 MSVOA_X
 ClientSampleId :

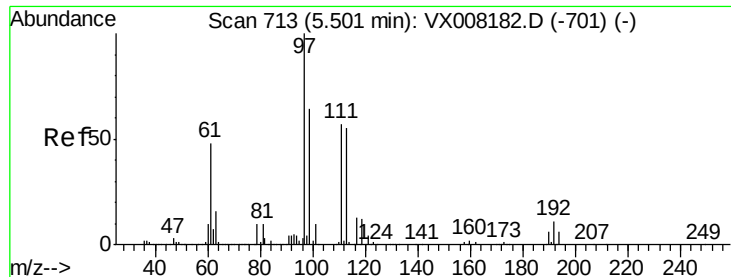
Tot Ion: 65 Resp: 229458
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008214.D
 Acq: 20 Mar 2019 01:57

Tgt Ion: 114 Resp: 536652
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 39.8
 88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.057 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008214.D

Acq: 20 Mar 2019 01:57

Instrument :
MSVOA_X
ClientSampleId :

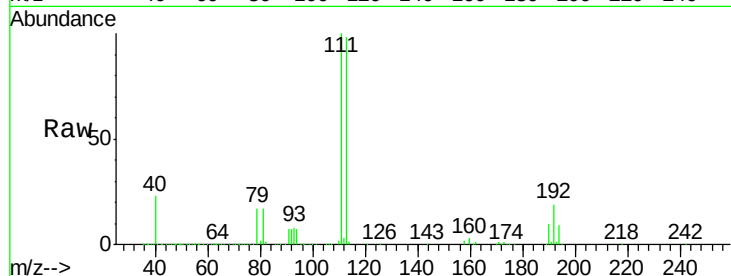
Tot Ion:113 Resp: 169054

Ion Ratio Lower Upper

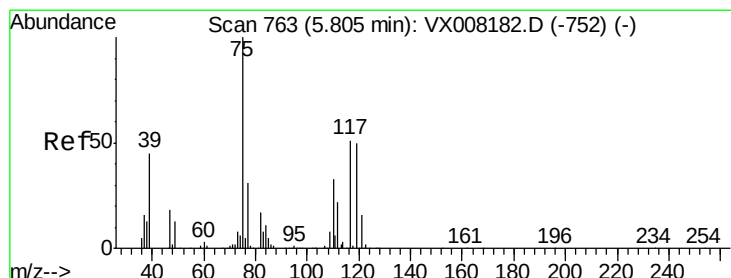
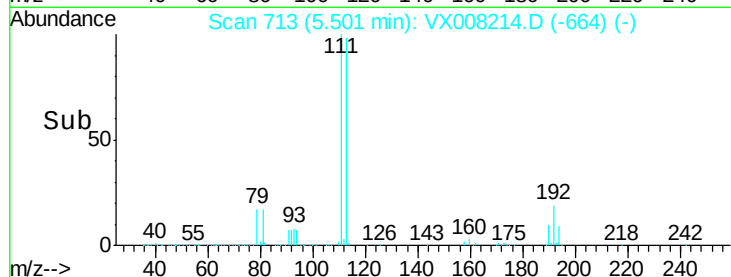
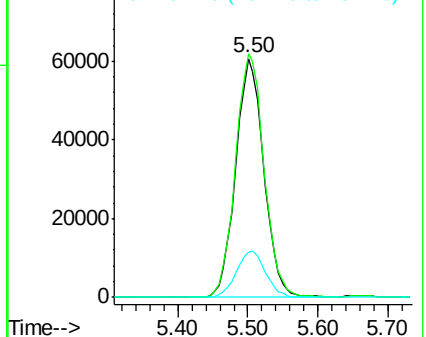
113 100

111 103.5 81.4 122.0

192 20.2 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: 4.302 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008214.D

Acq: 20 Mar 2019 01:57

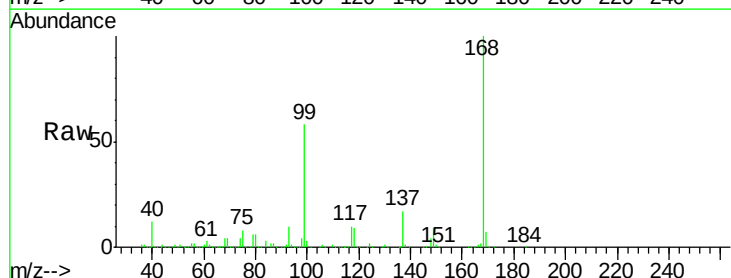
Tgt Ion: 75 Resp: 26882

Ion Ratio Lower Upper

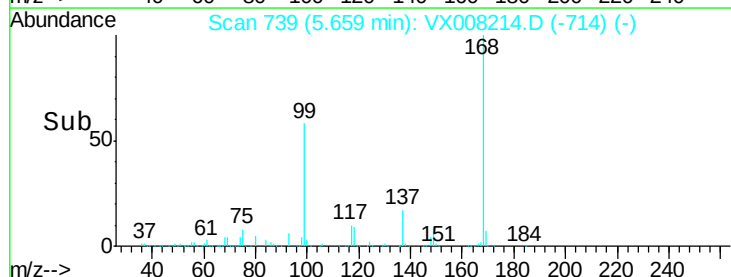
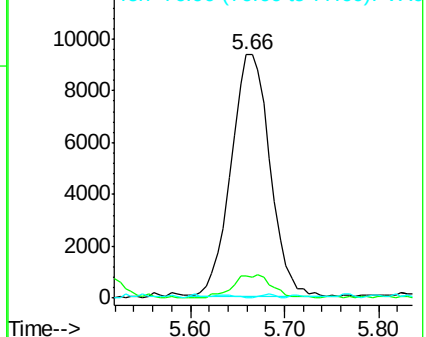
75 100

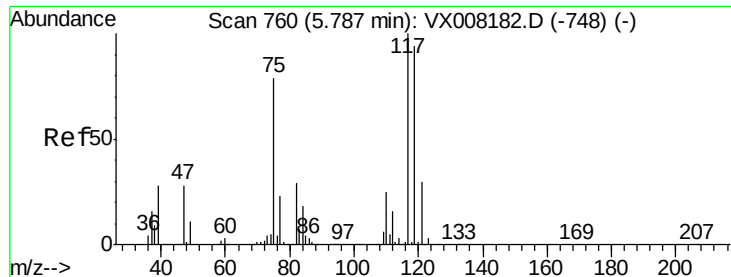
110 0.0 18.4 55.0#

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): V
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.903 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008214.D

Acq: 20 Mar 2019 01:57

Instrument :

MSVOA_X

ClientSampleId :

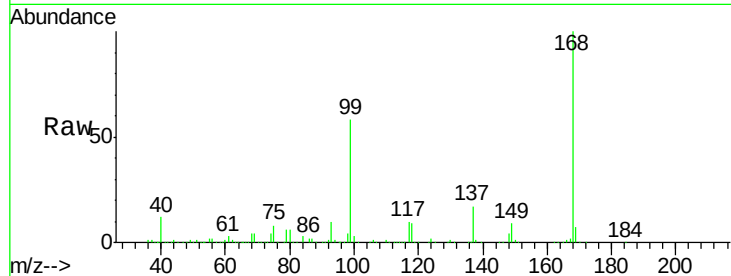
Tot Ion:117 Resp: 32861

Ion Ratio Lower Upper

117 100

119 4.3 76.2 114.2#

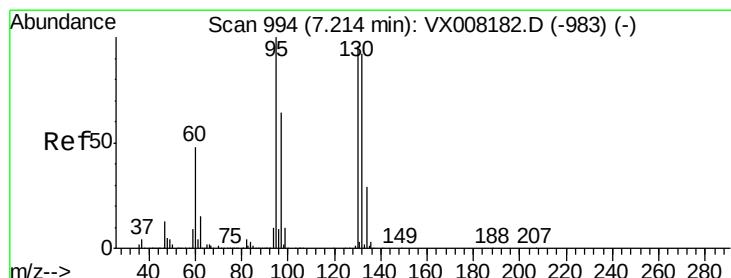
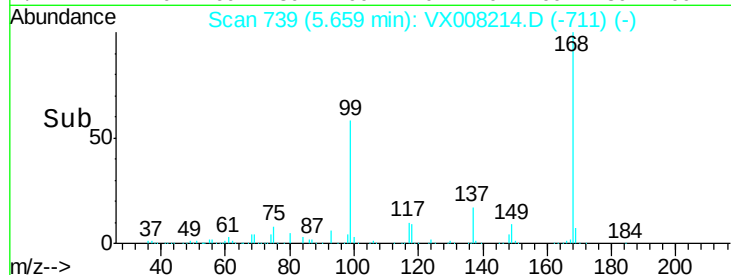
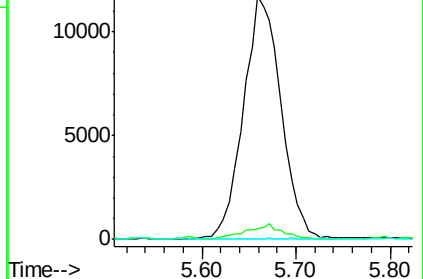
121 0.0 24.6 36.8#



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: 0.314 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008214.D

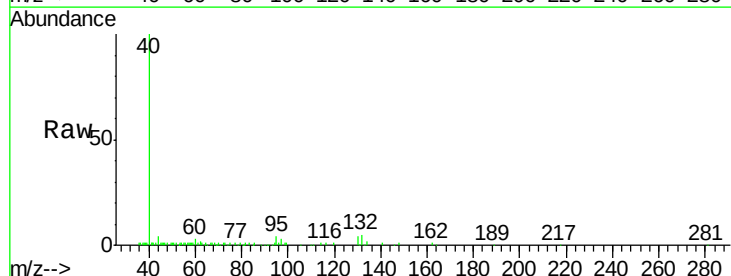
Acq: 20 Mar 2019 01:57

Tgt Ion:130 Resp: 1421

Ion Ratio Lower Upper

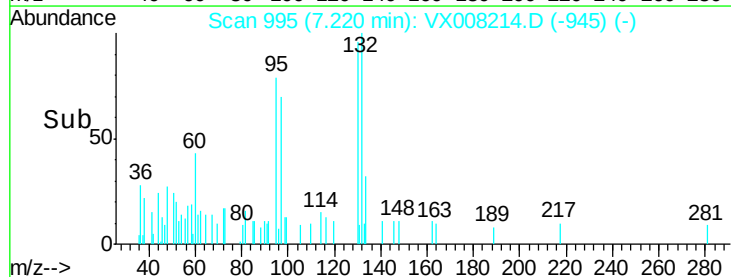
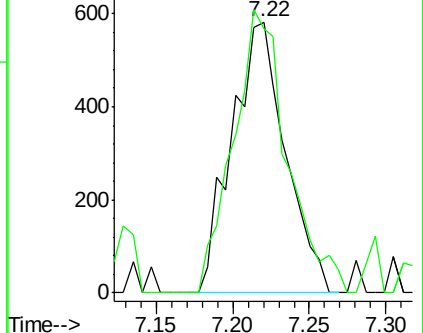
130 100

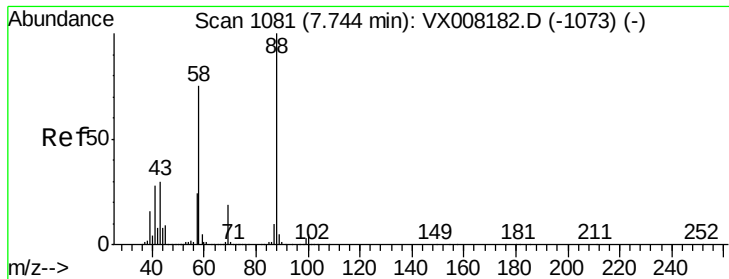
95 97.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

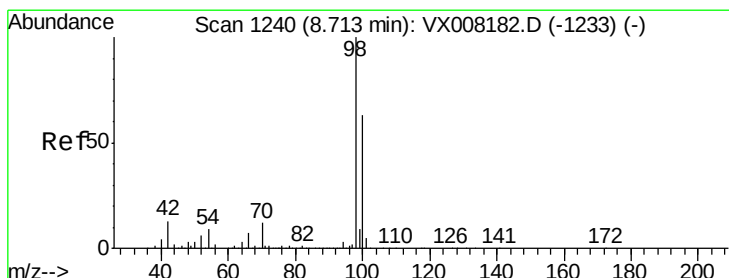
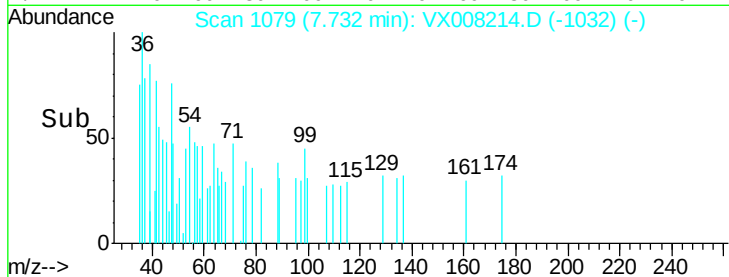
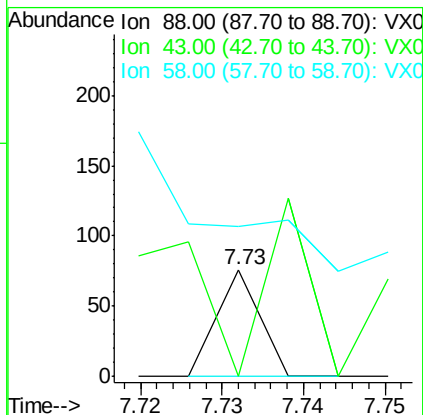
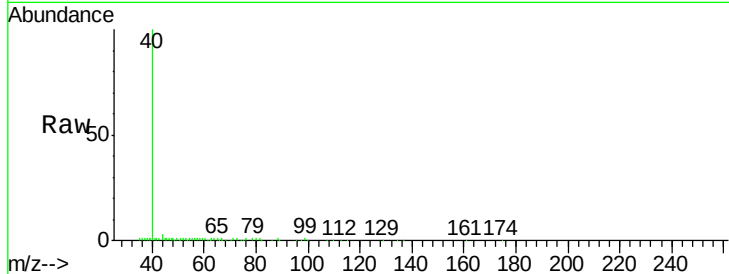




#49
1,4-Dioxane
Concen: 0.252 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX008214.D
Acq: 20 Mar 2019 01:57

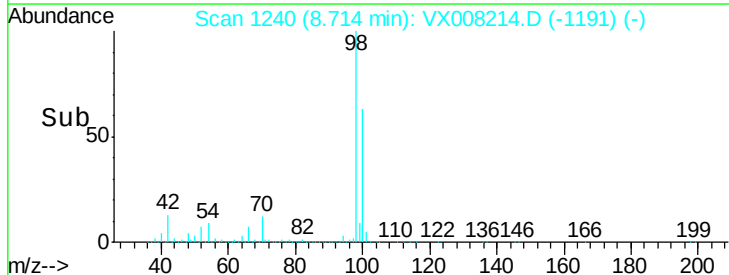
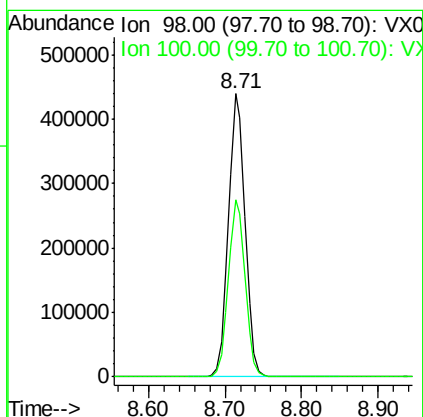
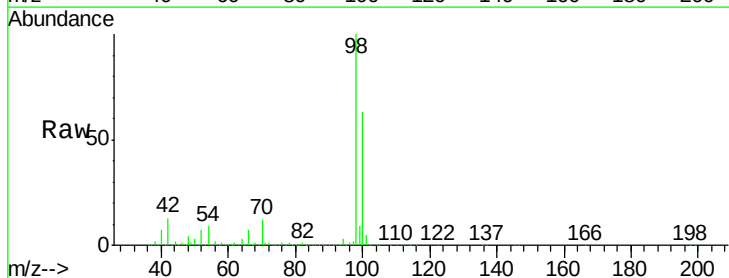
Instrument :
MSVOA_X
ClientSampled :

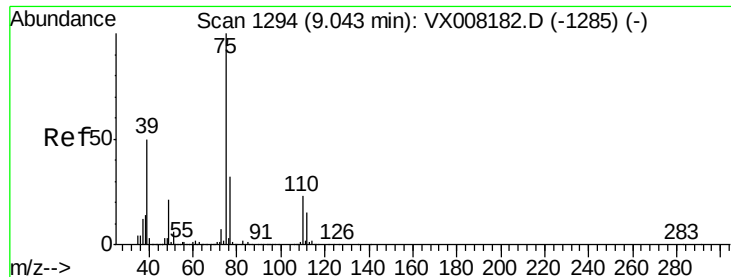
Tot Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 164.3 25.1 37.7#
58 1178.6 57.8 86.6#



#50
Toluene-d8
Concen: 48.519 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008214.D
Acq: 20 Mar 2019 01:57

Tgt Ion: 98 Resp: 660856
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.438 ug/l

RT: 9.02 min Scan# 1291

Delta R.T. -0.02 min

Lab File: VX008214.D

Acq: 20 Mar 2019 01:57

Instrument :

MSVOA_X

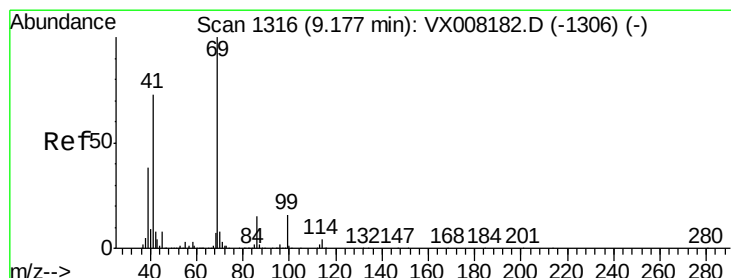
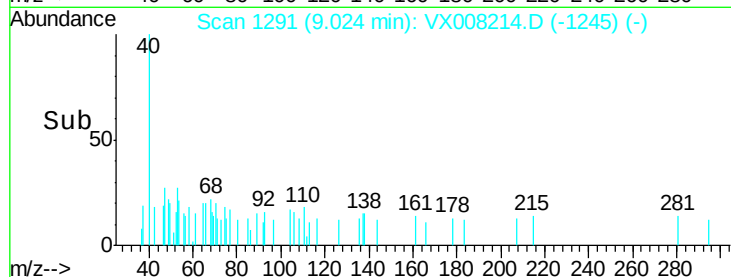
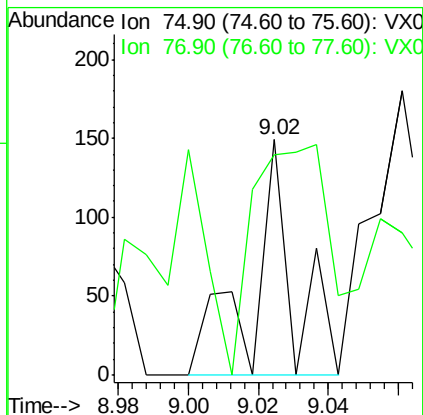
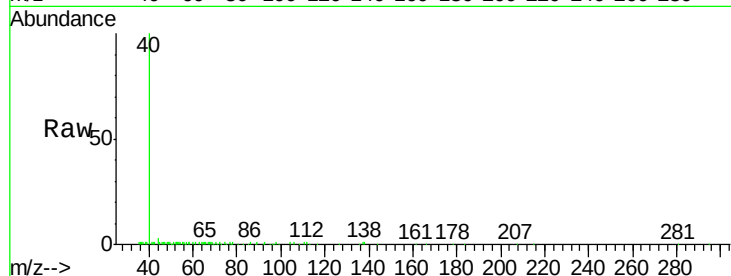
ClientSampleId :

Tot Ion: 75 Resp: 122

Ion Ratio Lower Upper

75 100

77 60.4 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.547 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX008214.D

Acq: 20 Mar 2019 01:57

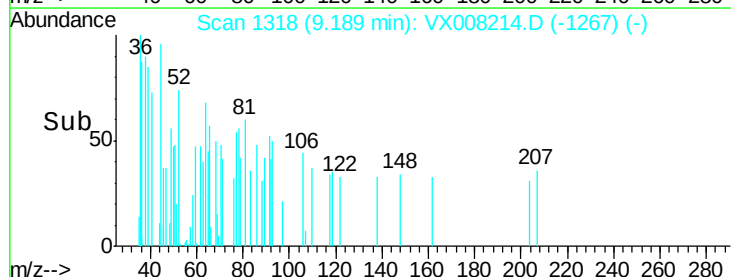
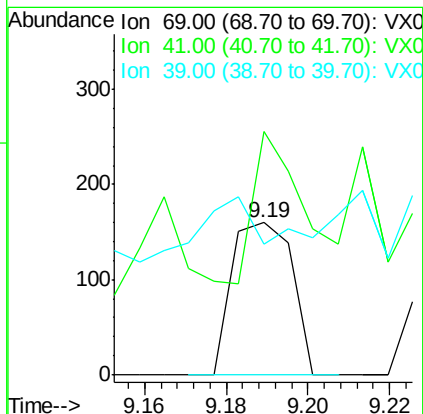
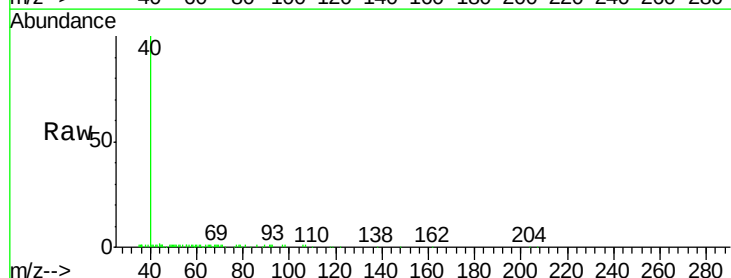
Tgt Ion: 69 Resp: 165

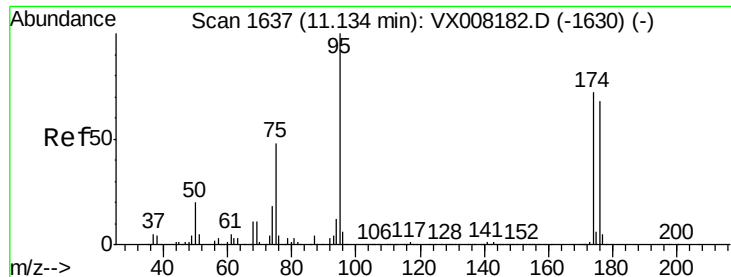
Ion Ratio Lower Upper

69 100

41 83.6 54.2 81.4#

39 34.5 25.0 37.4





#62

4-Bromofluorobenzene

Concen: 44.294 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008214.D

Acq: 20 Mar 2019 01:57

Instrument :

MSVOA_X

ClientSampleId :

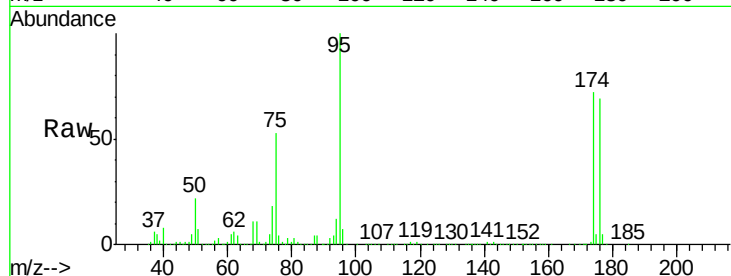
Tot Ion: 95 Resp: 207729

Ion Ratio Lower Upper

95 100

174 78.6 0.0 182.8

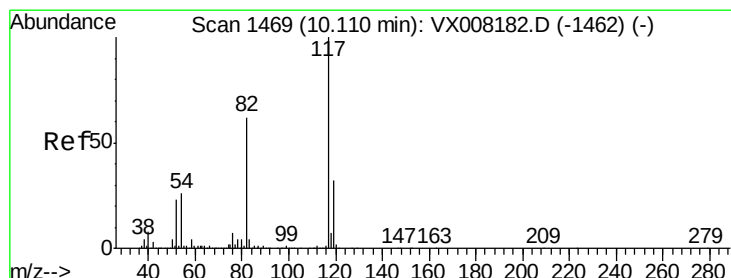
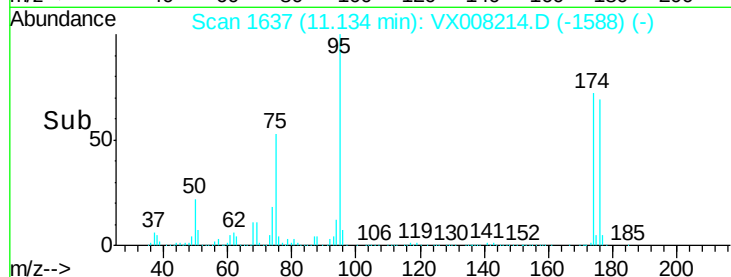
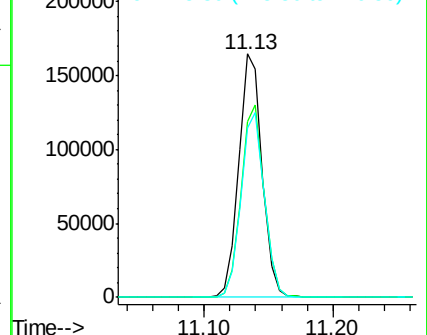
176 76.3 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008214.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008214.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008214.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008214.D

Acq: 20 Mar 2019 01:57

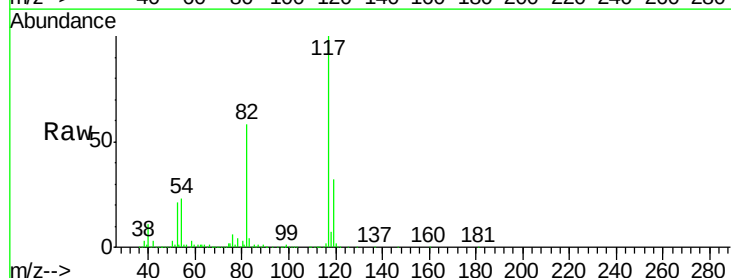
Tgt Ion: 117 Resp: 451183

Ion Ratio Lower Upper

117 100

82 58.1 44.3 66.5

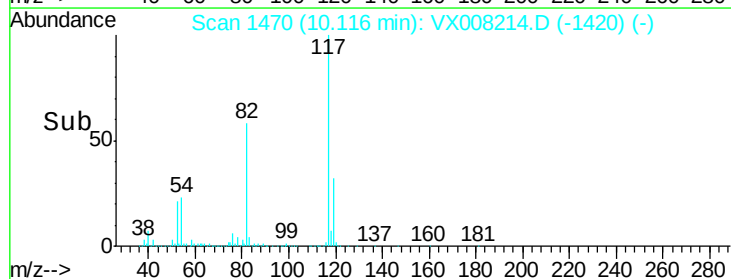
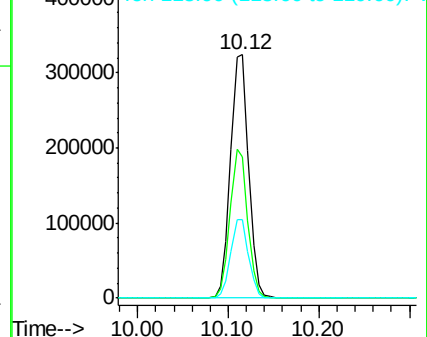
119 32.3 25.3 37.9

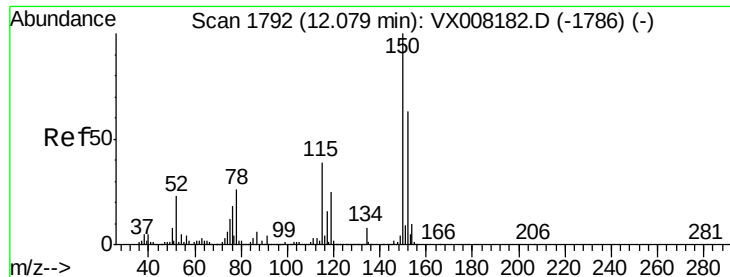


Abundance Ion 116.90 (116.60 to 117.60): VX008214.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008214.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008214.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008214.D

Acq: 20 Mar 2019 01:57

Instrument :

MSVOA_X

ClientSampleId :

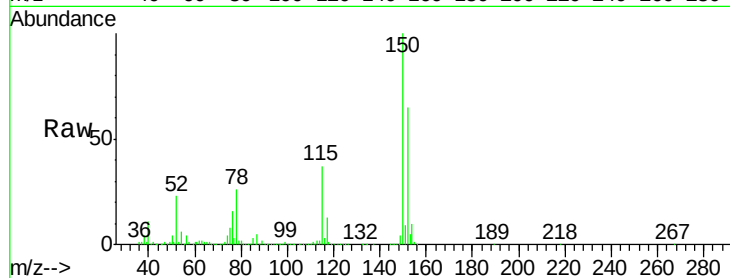
Tot Ion:152 Resp: 180110

Ion Ratio Lower Upper

152 100

115 59.7 38.6 115.7

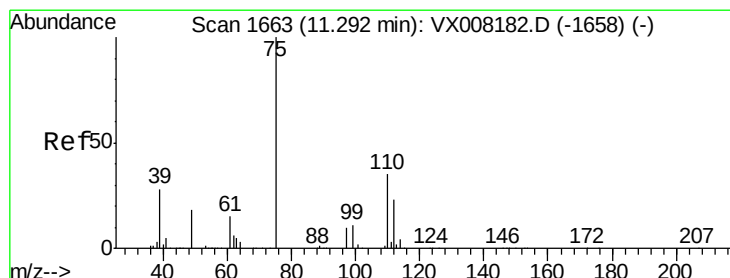
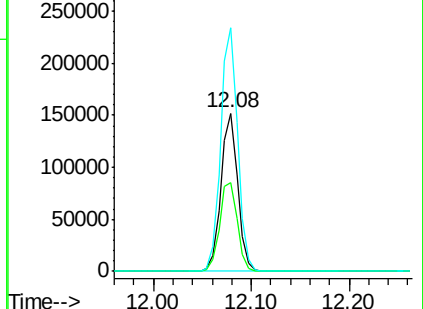
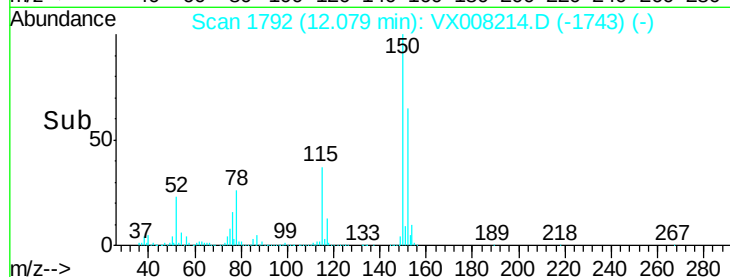
150 155.8 0.0 348.4



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: 21.723 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008214.D

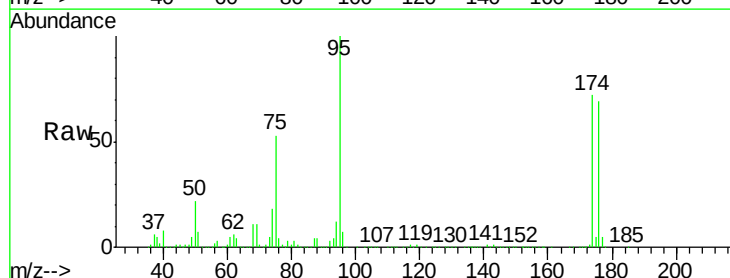
Acq: 20 Mar 2019 01:57

Tgt Ion: 75 Resp: 110042

Ion Ratio Lower Upper

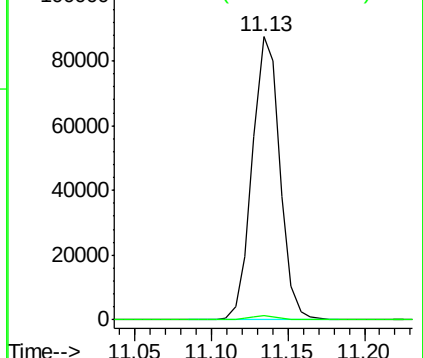
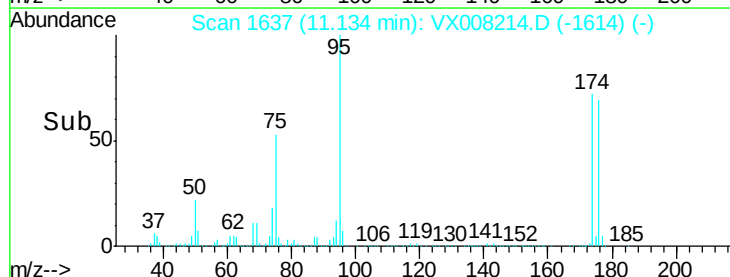
75 100

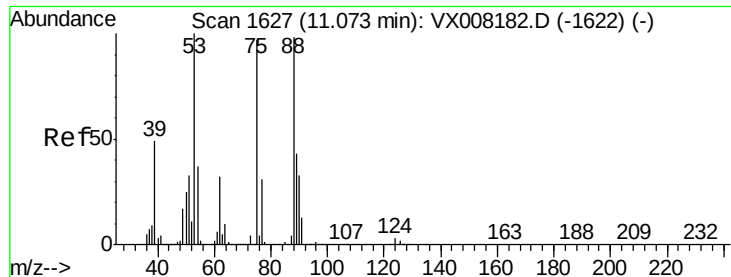
77 1.7 18.9 56.7#



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: 55.223 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008214.D

Acq: 20 Mar 2019 01:57

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 110042

Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.1 36.3 54.5#

