

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
 Data File : VX008448.D
 Acq On : 26 Mar 2019 11:47
 Operator : JC/SP
 Sample : K2082-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Mar 27 01:49:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

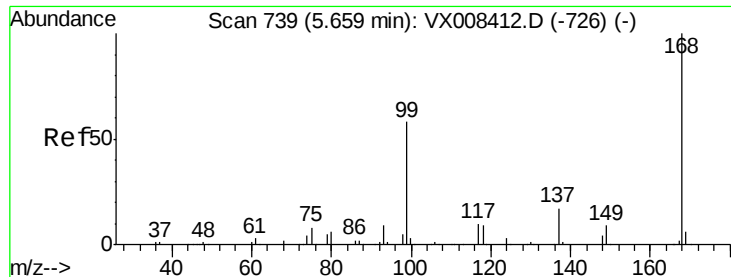
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	228269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	381810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	324769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131465	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	163367	47.21	ug/l	0.00
Spiked Amount						
			Recovery	=	94.42%	
35) Dibromofluoromethane	5.49	113	118573	47.63	ug/l	0.00
Spiked Amount						
			Recovery	=	95.26%	
50) Toluene-d8	8.71	98	477704	47.99	ug/l	0.00
Spiked Amount						
			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.13	95	159756	43.31	ug/l	0.00
Spiked Amount						
			Recovery	=	86.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	270	Below Cal	#	39
5) Bromomethane	1.65	94	635	2.118	ug/l	82
6) Chloroethane	1.60	64	5176	2.326	ug/l #	50
10) Methyl Iodide	2.52	142	63	4.152	ug/l #	25
11) Tert butyl alcohol	3.03	59	750	0.978	ug/l	100
13) Acrolein	2.29	56	311	0.559	ug/l #	71
16) Acetone	2.44	43	849	0.469	ug/l	98
17) Carbon Disulfide	2.56	76	1101	Below Cal	#	83
20) Methylene Chloride	2.85	84	558	Below Cal	#	83
21) trans-1,2-Dichloroethene	3.17	96	97	Below Cal	#	4
36) 1,1-Dichloropropene	5.66	75	19912	4.891	ug/l #	51
38) Carbon Tetrachloride	5.66	117	23343	6.871	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	81625	20.885	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	81625	66.891	ug/l #	9

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

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008448.D

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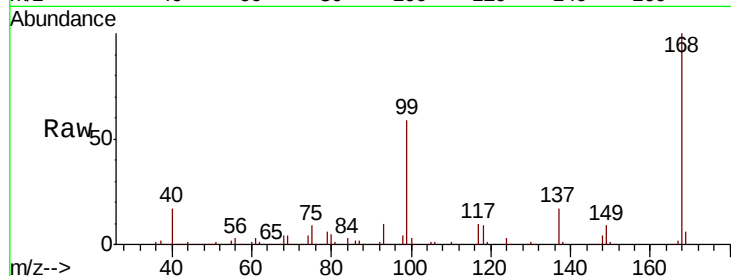
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 228269

Ion Ratio Lower Upper

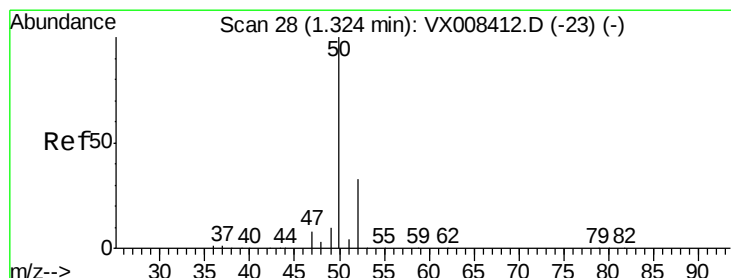
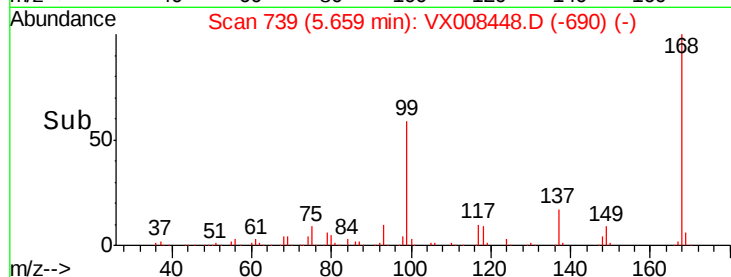
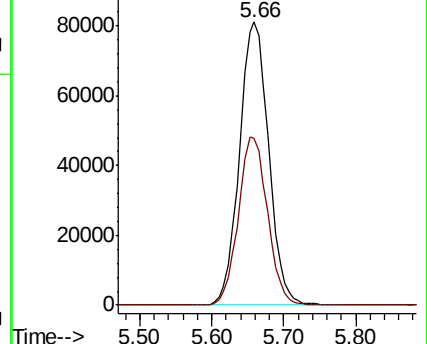
168 100

99 59.1 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008448.D

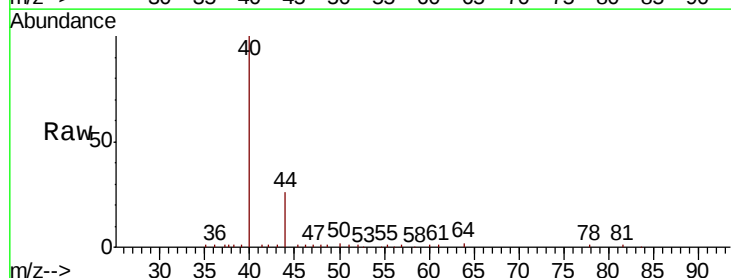
Acq: 26 Mar 2019 11:47

Tgt Ion: 50 Resp: 270

Ion Ratio Lower Upper

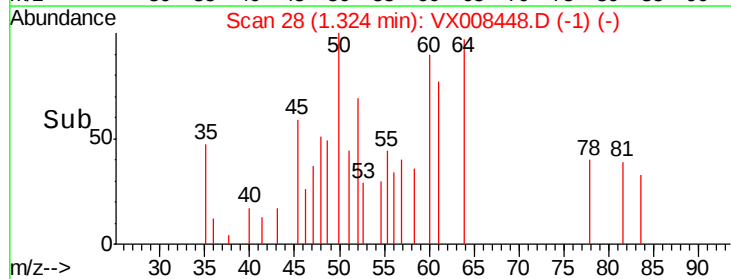
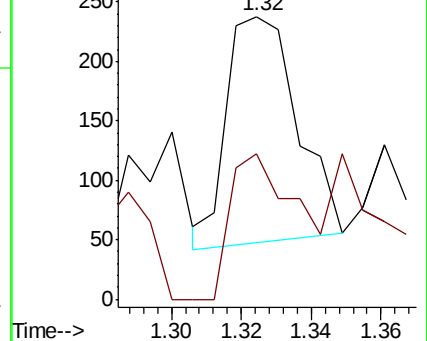
50 100

52 67.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.118 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008448.D

Acq: 26 Mar 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

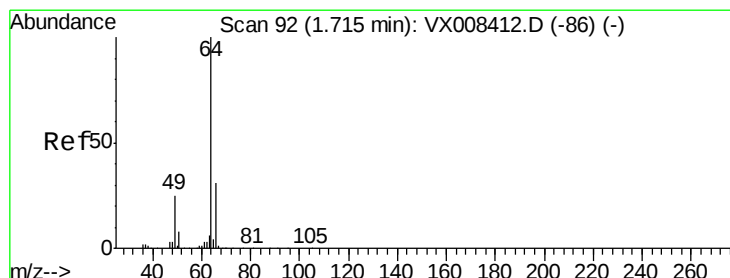
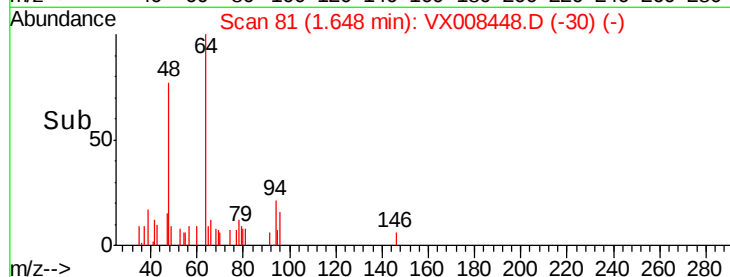
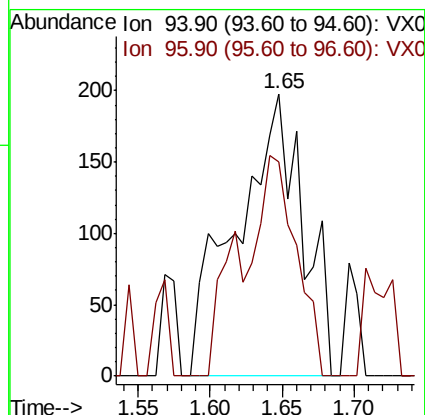
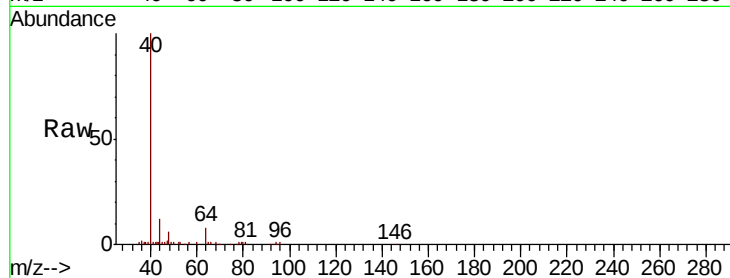
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 94 Resp: 635

Ion Ratio Lower Upper

94 100

96 75.8 74.8 112.2



#6

Chloroethane

Concen: 2.326 ug/l

RT: 1.60 min Scan# 74

Delta R.T. -0.11 min

Lab File: VX008448.D

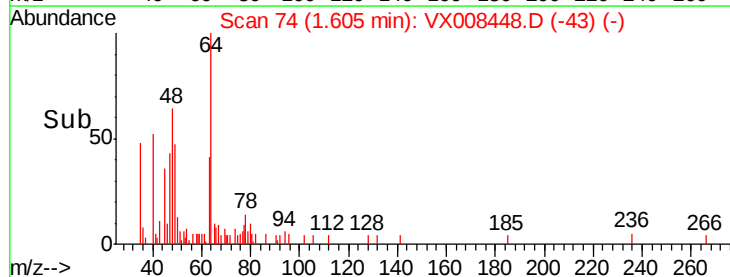
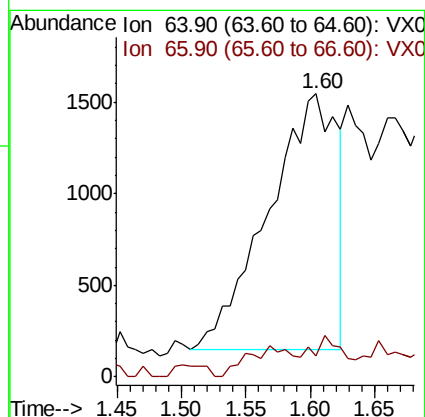
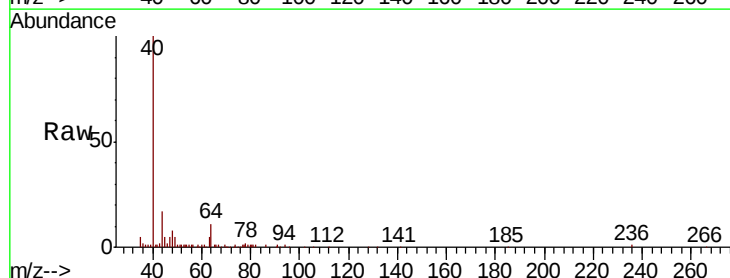
Acq: 26 Mar 2019 11:47

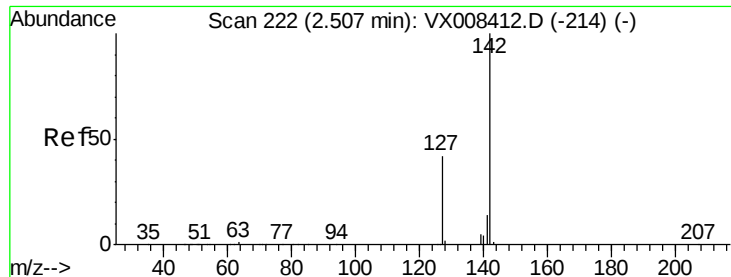
Tgt Ion: 64 Resp: 5176

Ion Ratio Lower Upper

64 100

66 4.0 25.1 37.7#

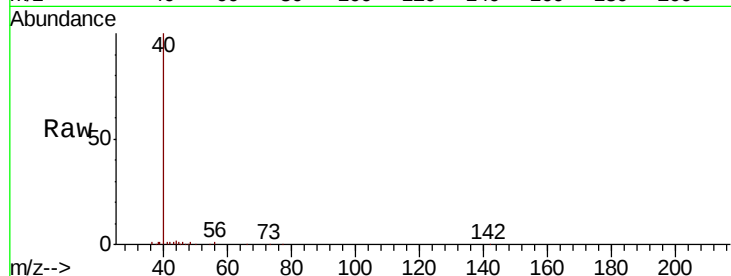




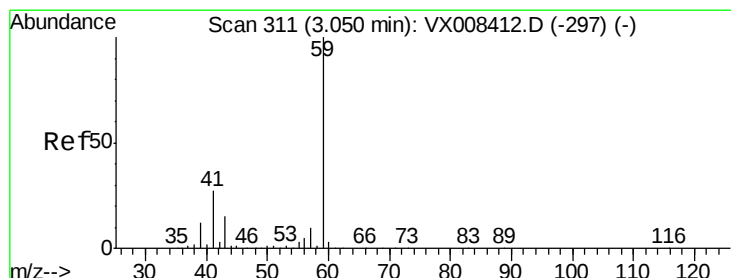
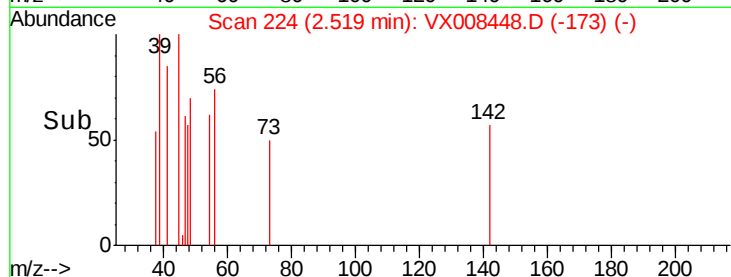
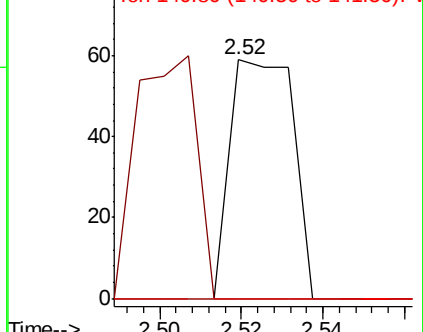
#10
Methvl Iodide
Concen: 4.152 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008448.D
Acq: 26 Mar 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tot Ion	Ratio	Lower	Upper
142	100		
127	98.4	33.6	50.4#
141	0.0	11.3	16.9#

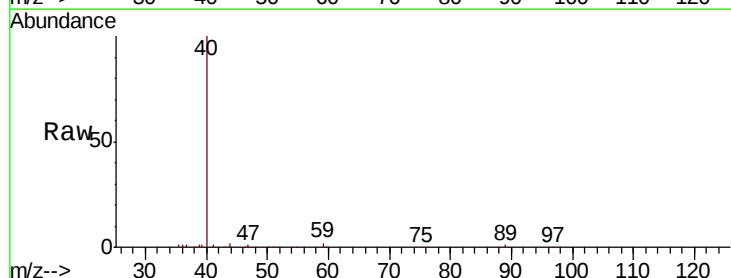


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

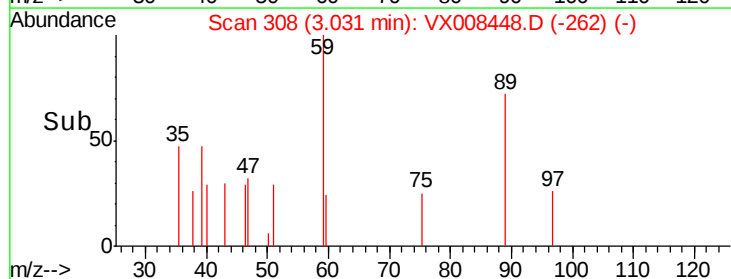
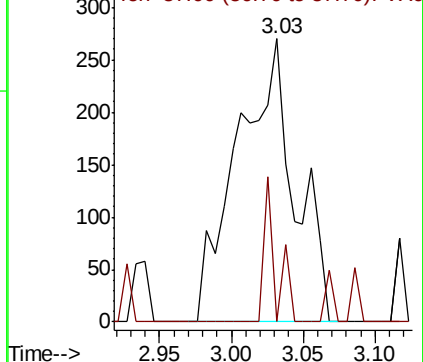


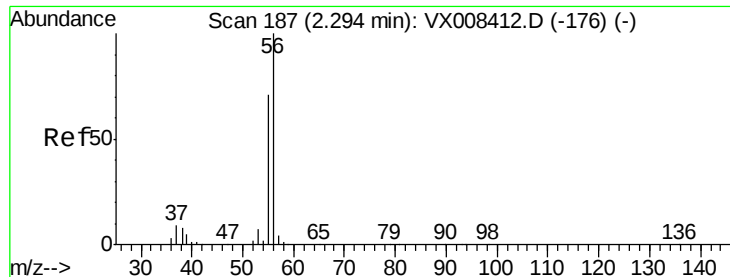
#11
Tert butyl alcohol
Concen: 0.978 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX008448.D
Acq: 26 Mar 2019 11:47

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4



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





#13

Acrolein

Concen: 0.559 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008448.D

Acq: 26 Mar 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

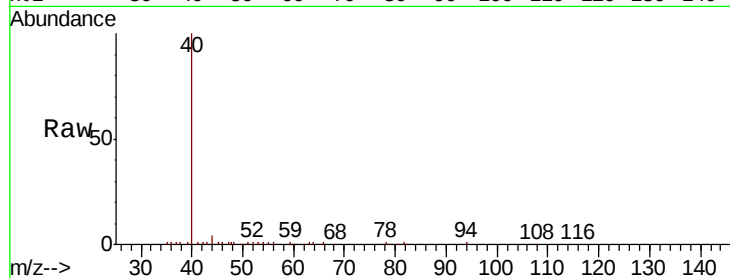
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 56 Resp: 311

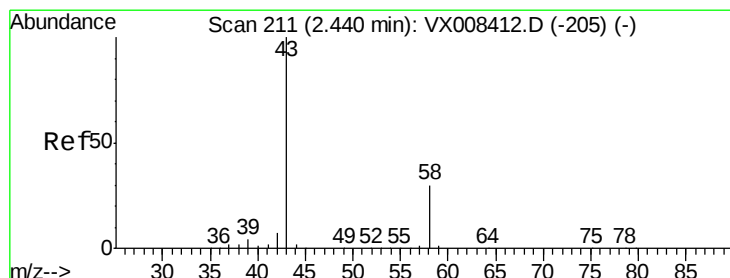
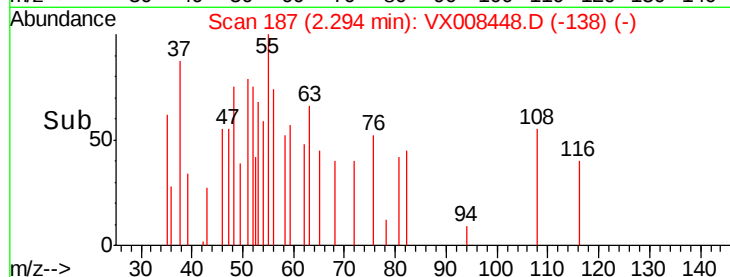
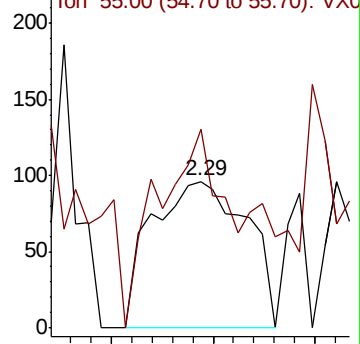
Ion Ratio Lower Upper

56 100

55 94.2 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#16

Acetone

Concen: 0.469 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008448.D

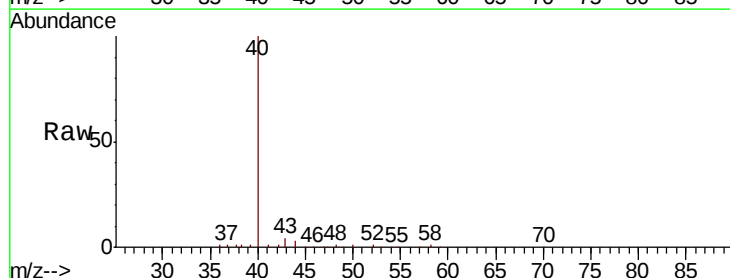
Acq: 26 Mar 2019 11:47

Tgt Ion: 43 Resp: 849

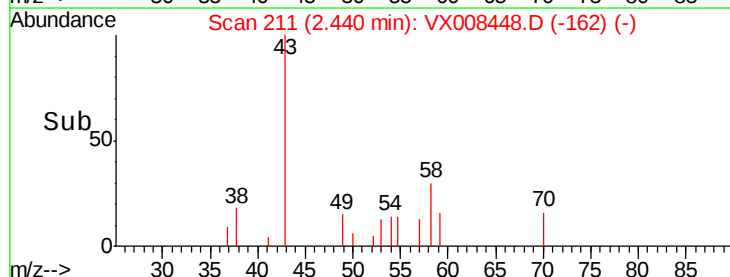
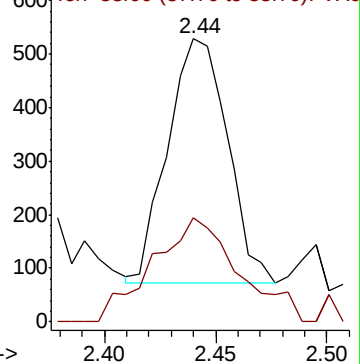
Ion Ratio Lower Upper

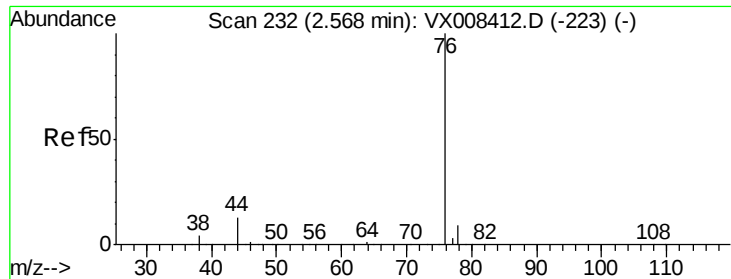
43 100

58 31.4 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008448.D

Acq: 26 Mar 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

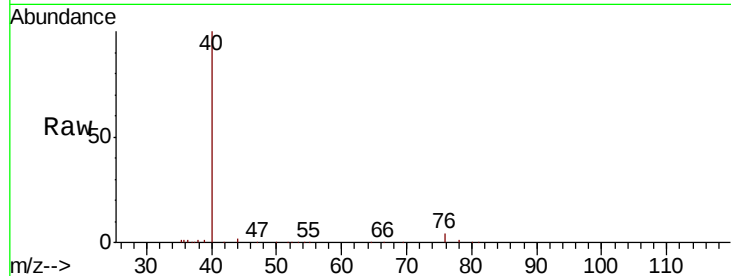
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 76 Resp: 1101

Ion Ratio Lower Upper

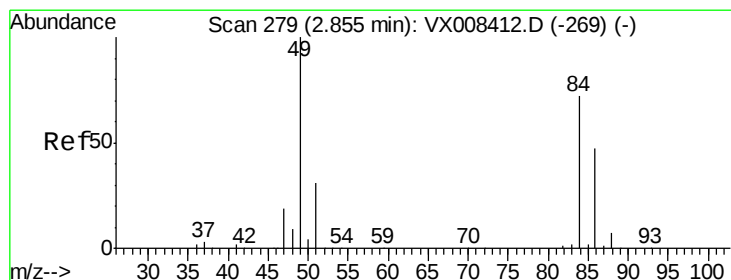
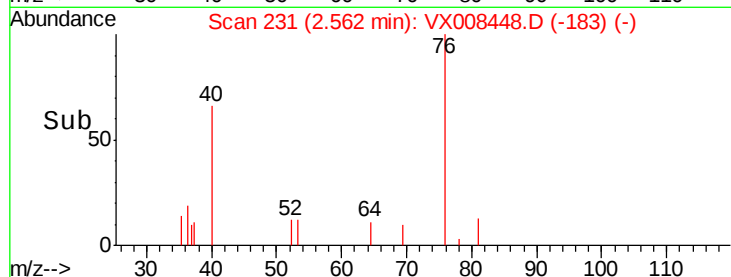
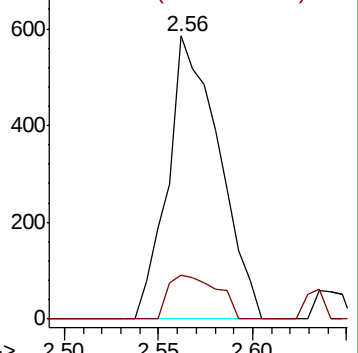
76 100

78 15.6 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX008448.D

Acq: 26 Mar 2019 11:47

Tgt Ion: 84 Resp: 558

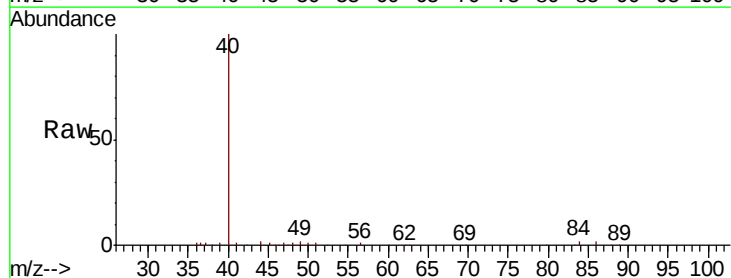
Ion Ratio Lower Upper

84 100

49 121.9 110.6 165.8

51 24.4 33.9 50.9#

86 79.5 52.2 78.2#

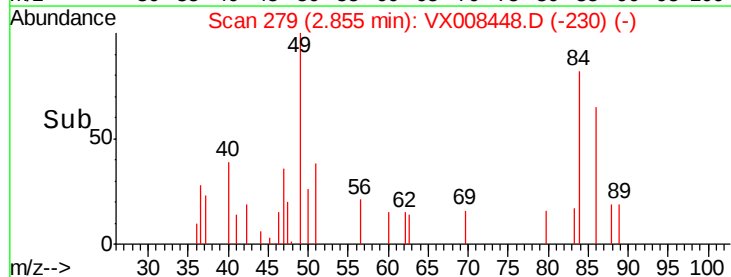
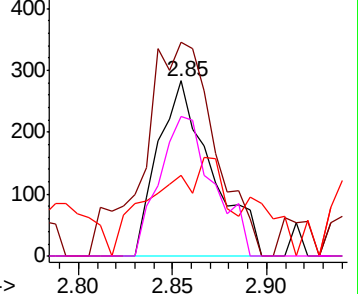


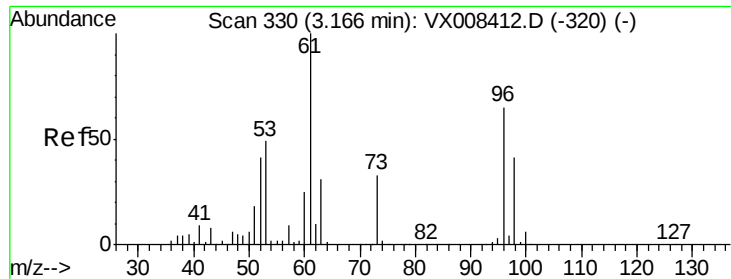
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008448.D

Acq: 26 Mar 2019 11:47

Instrument :

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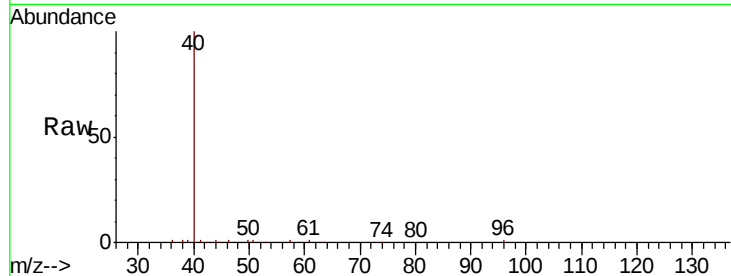
Tot Ion: 96 Resp: 97

Ion Ratio Lower Upper

96 100

61 22.1 122.6 184.0#

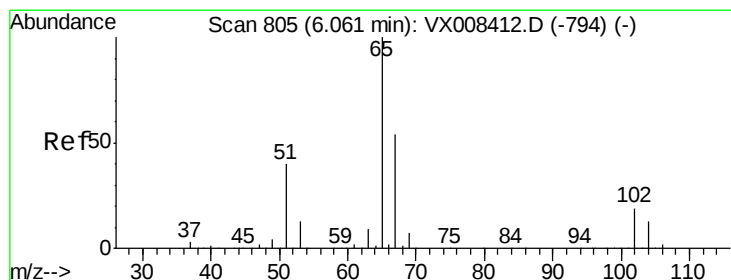
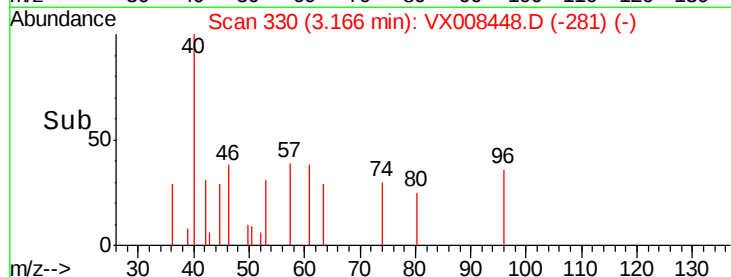
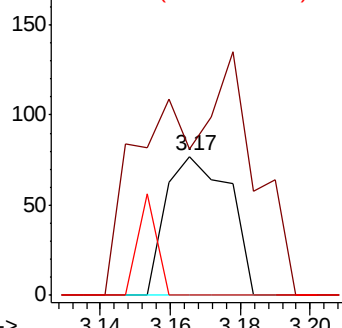
98 0.0 50.9 76.3#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.207 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008448.D

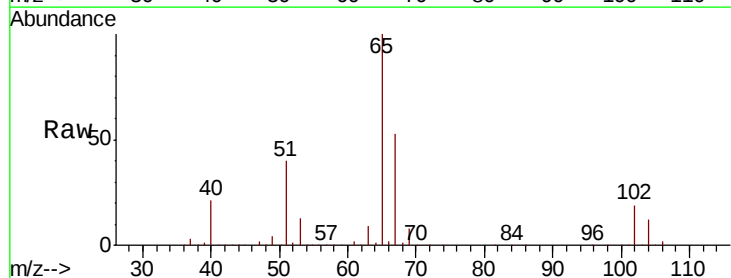
Acq: 26 Mar 2019 11:47

Tgt Ion: 65 Resp: 163367

Ion Ratio Lower Upper

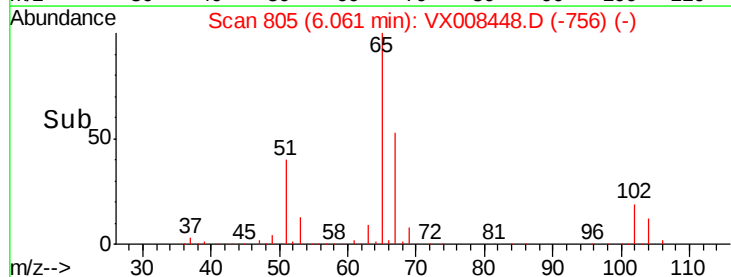
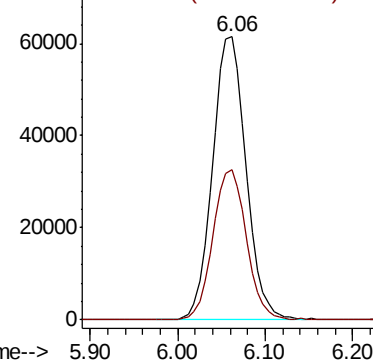
65 100

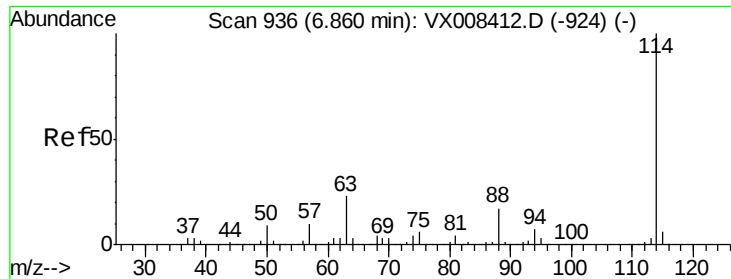
67 53.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

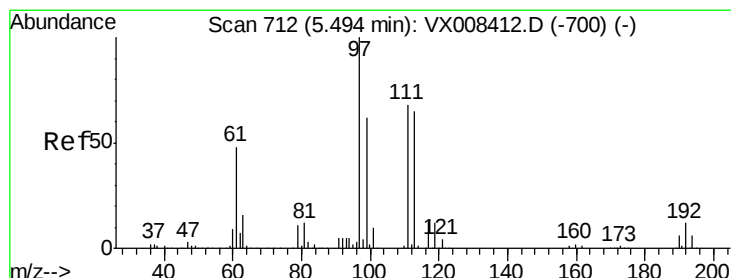
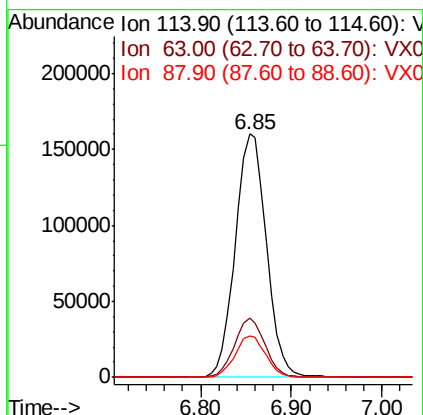
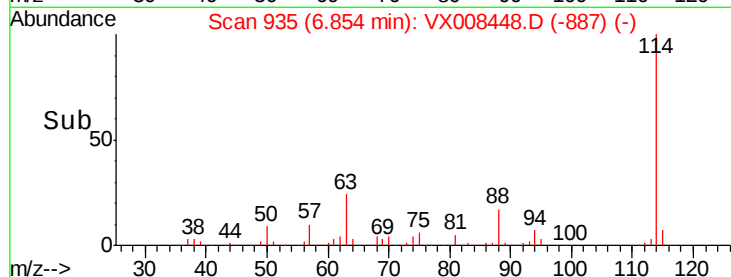
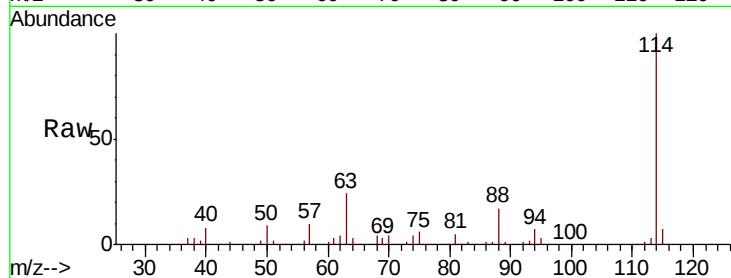




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX008448.D
Acq: 26 Mar 2019 11:47

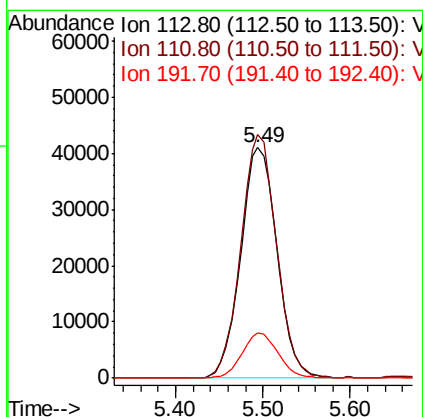
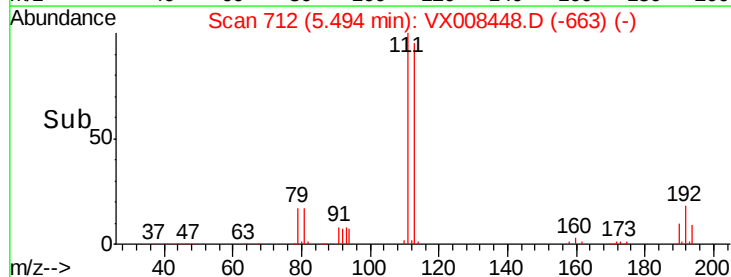
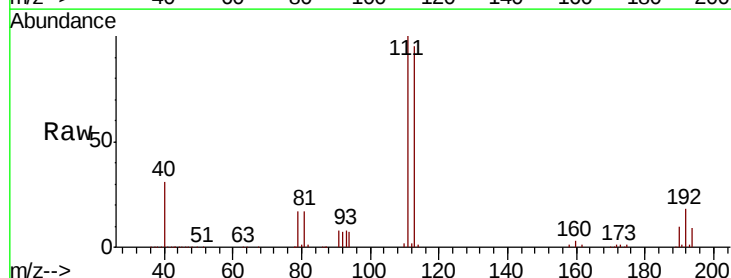
Instrument :
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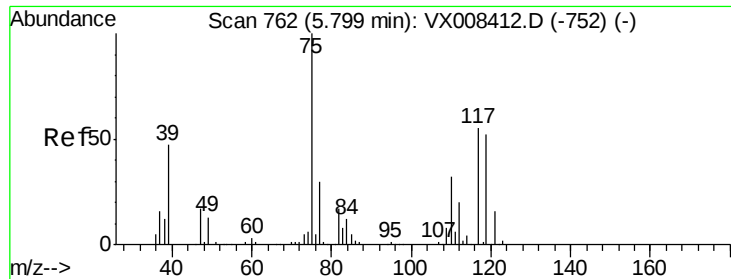
Tot Ion:114 Resp: 381810
Ion Ratio Lower Upper
114 100
63 24.2 0.0 46.4
88 17.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.628 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX008448.D
Acq: 26 Mar 2019 11:47

Tgt Ion:113 Resp: 118573
Ion Ratio Lower Upper
113 100
111 103.6 83.0 124.4
192 19.4 15.6 23.4

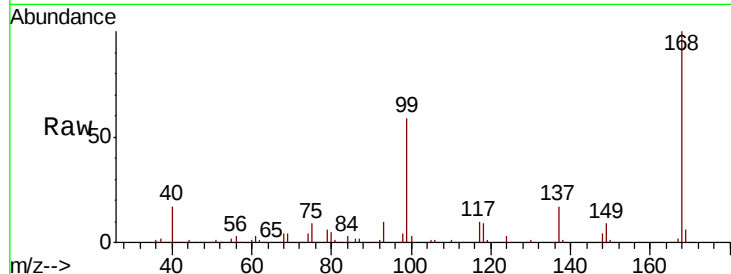




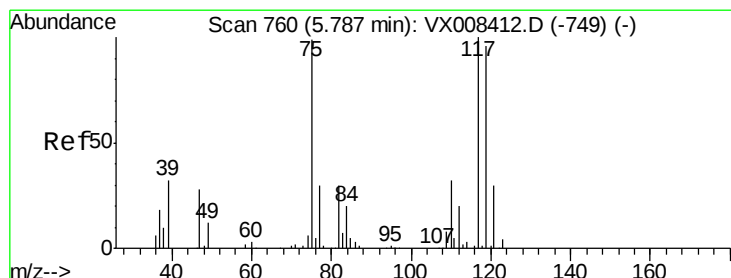
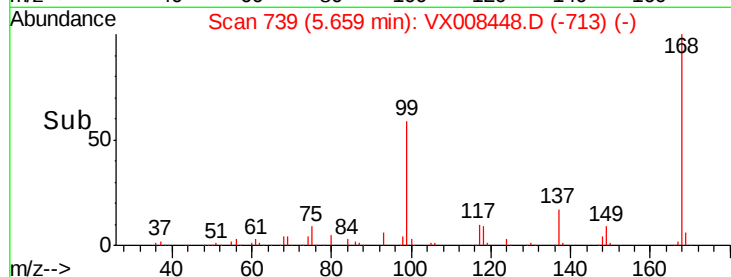
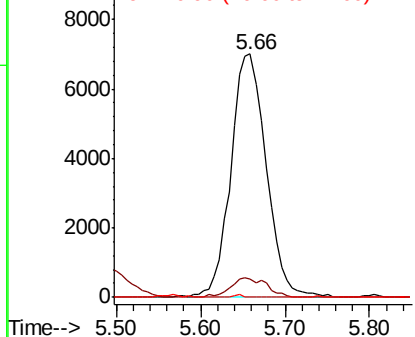
#36
 1,1-Dichloropropene
 Concen: 4.891 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008448.D
 Acq: 26 Mar 2019 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Tot Ion	75	Resp	19912
Ion Ratio	Lower	Upper	
75	100		
110	8.3	16.6	49.7#
77	0.3	24.2	36.2#

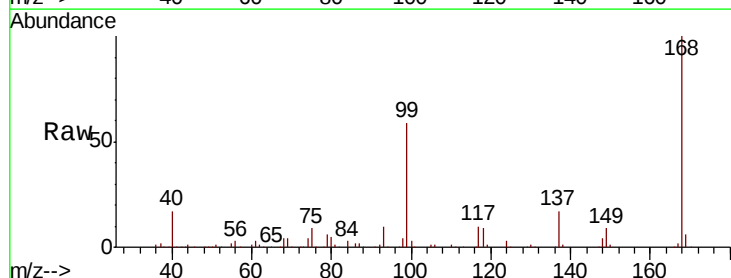


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

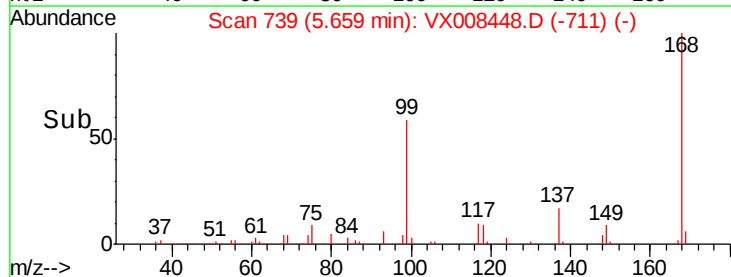
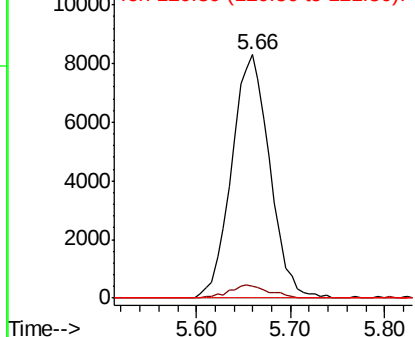


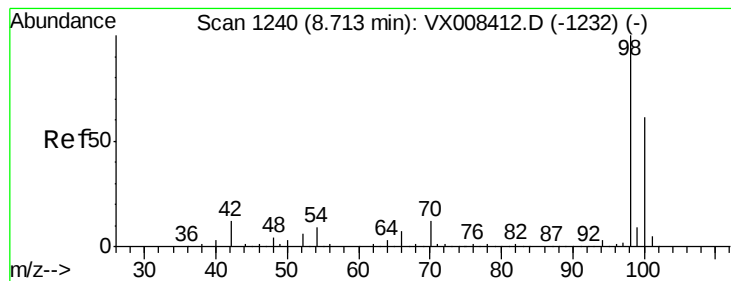
#38
 Carbon Tetrachloride
 Concen: 6.871 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008448.D
 Acq: 26 Mar 2019 11:47

Tgt Ion	117	Resp	23343
Ion Ratio	Lower	Upper	
117	100		
119	5.0	76.7	115.1#
121	0.0	24.3	36.5#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 47.987 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008448.D

Acq: 26 Mar 2019 11:47

Instrument :

MSVOA_X

ClientSampleId :

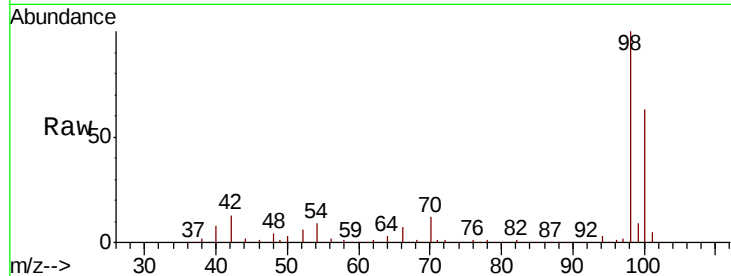
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 98 Resp: 477704

Ion Ratio Lower Upper

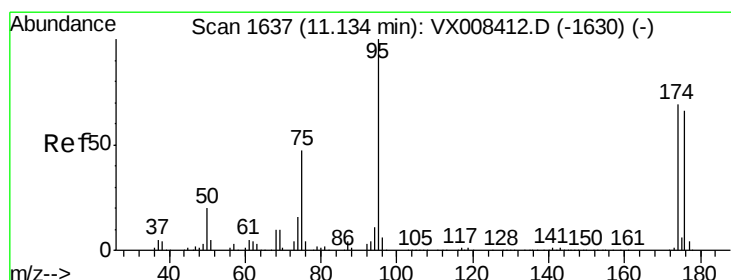
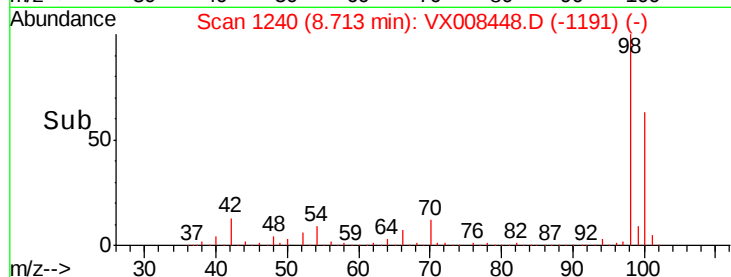
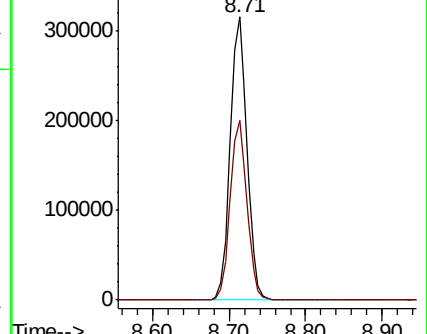
98 100

100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.308 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008448.D

Acq: 26 Mar 2019 11:47

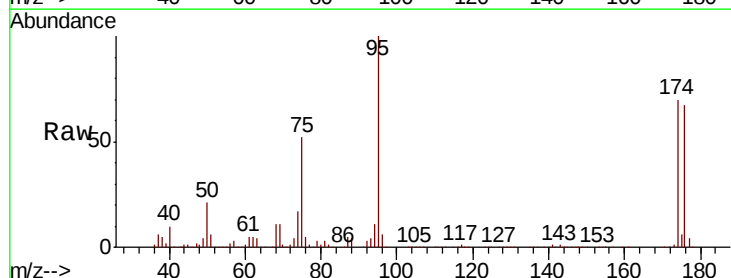
Tgt Ion: 95 Resp: 159756

Ion Ratio Lower Upper

95 100

174 73.1 0.0 147.2

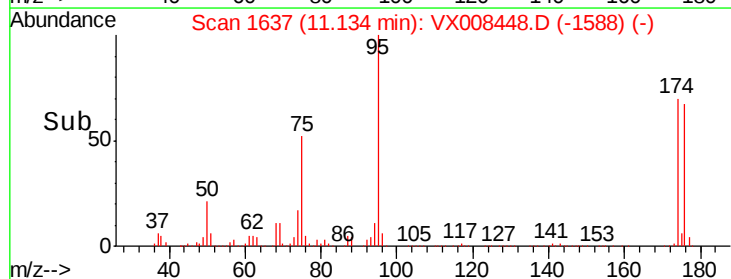
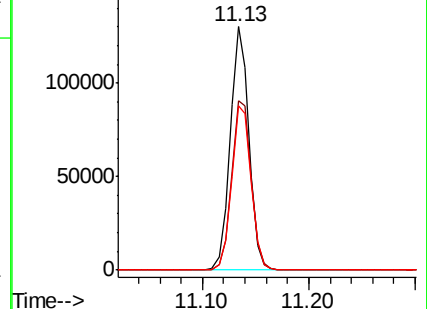
176 70.5 0.0 142.4

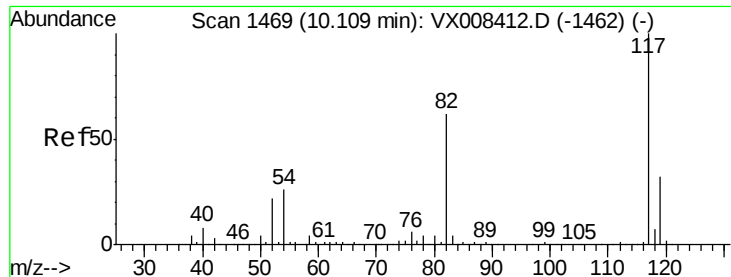


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

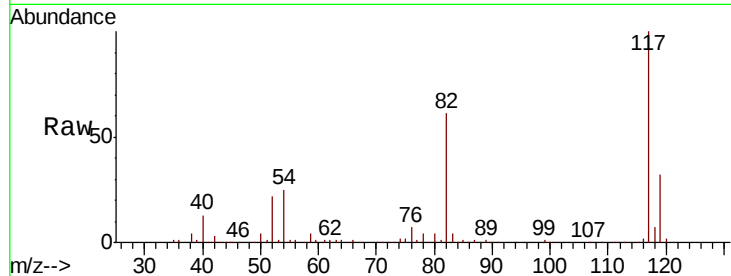




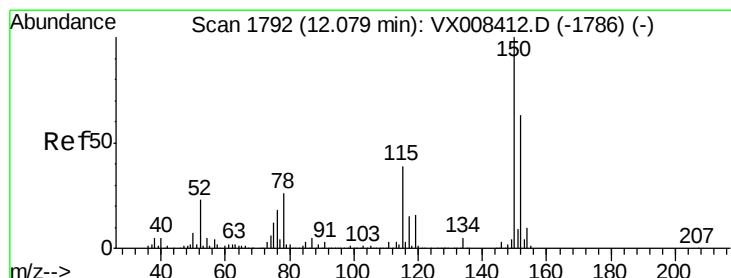
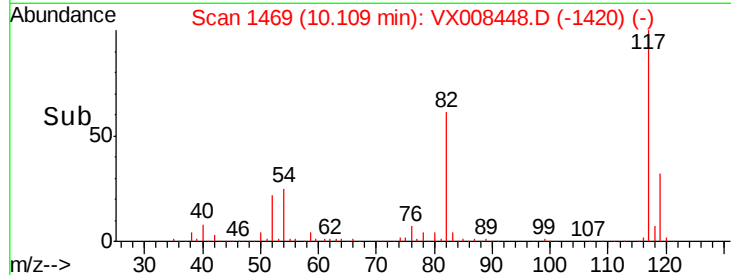
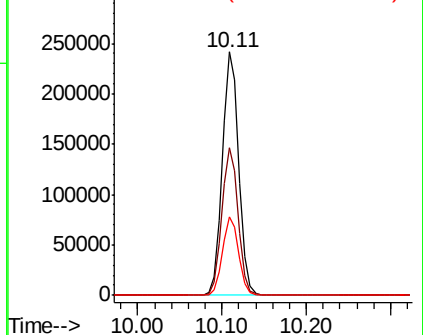
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008448.D
Acq: 26 Mar 2019 11:47

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tot Ion:117 Resp: 324769
Ion Ratio Lower Upper
117 100
82 60.8 49.4 74.2
119 32.4 25.4 38.0

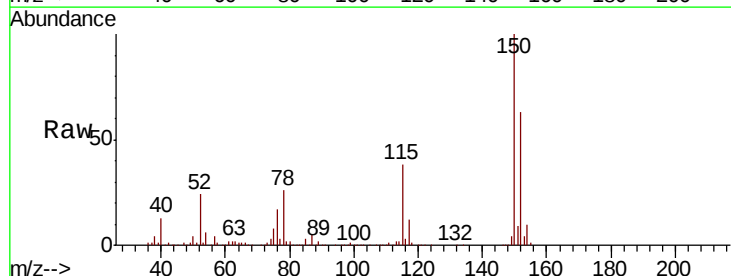


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

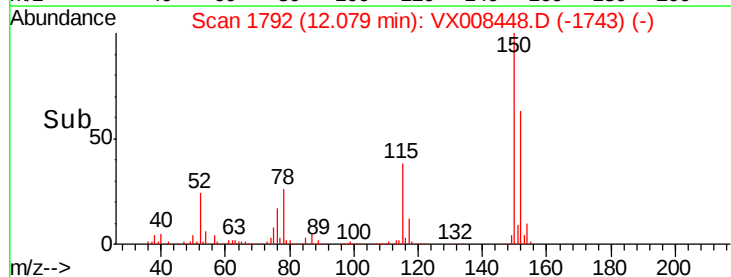
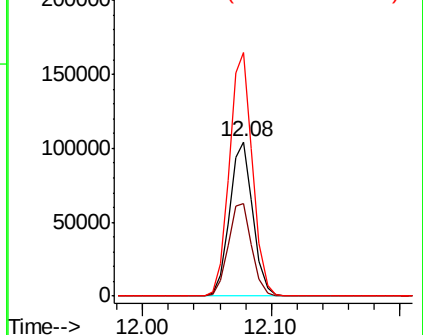


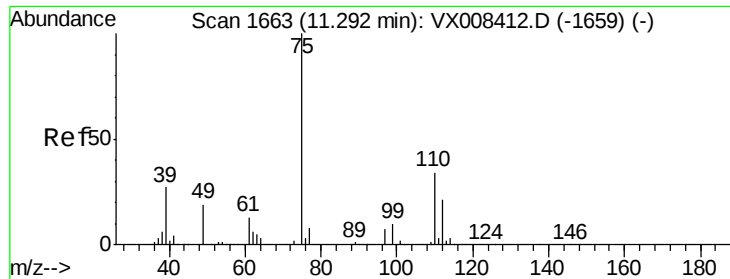
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008448.D
Acq: 26 Mar 2019 11:47

Tgt Ion:152 Resp: 131465
Ion Ratio Lower Upper
152 100
115 61.3 43.5 130.5
150 157.6 0.0 348.8



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

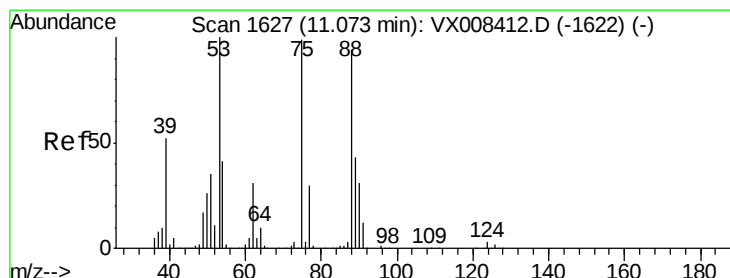
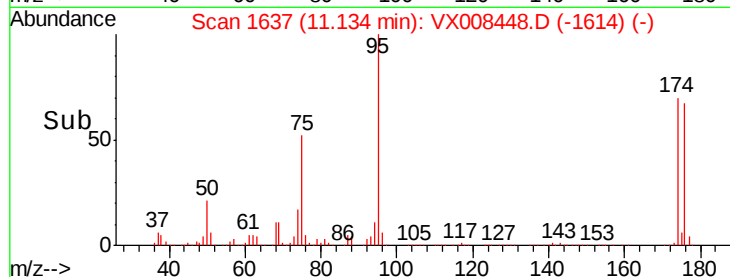
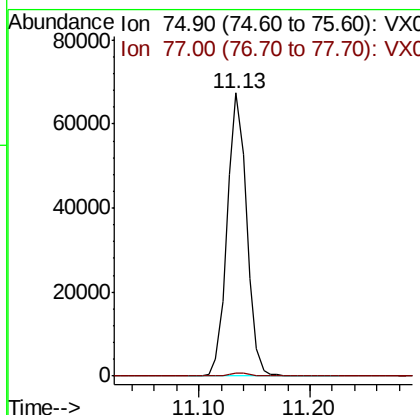
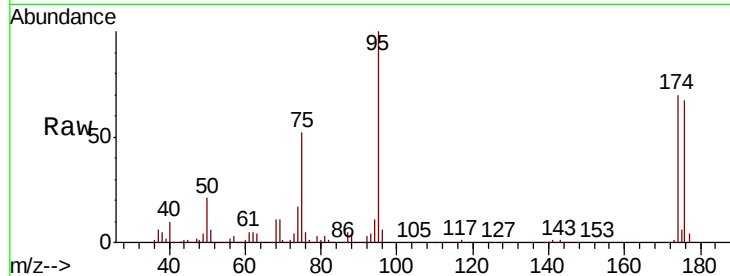




#76
 1,2,3-Trichloropropane
 Concen: 20.885 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008448.D
 Acq: 26 Mar 2019 11:47

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 81625
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.9 65.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.891 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008448.D
 Acq: 26 Mar 2019 11:47

Tgt Ion: 75 Resp: 81625
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.1 123.1#
 89 0.1 34.6 52.0#

