

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020119\
 Data File : VX007340.D
 Acq On : 01 Feb 2019 16:53
 Operator : JC/SP
 Sample : K1314-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Feb 02 03:19:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	502293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	779402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	748186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	372935	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	276952	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	5.51	113	245854	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	8.71	98	939217	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	11.13	95	343658	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

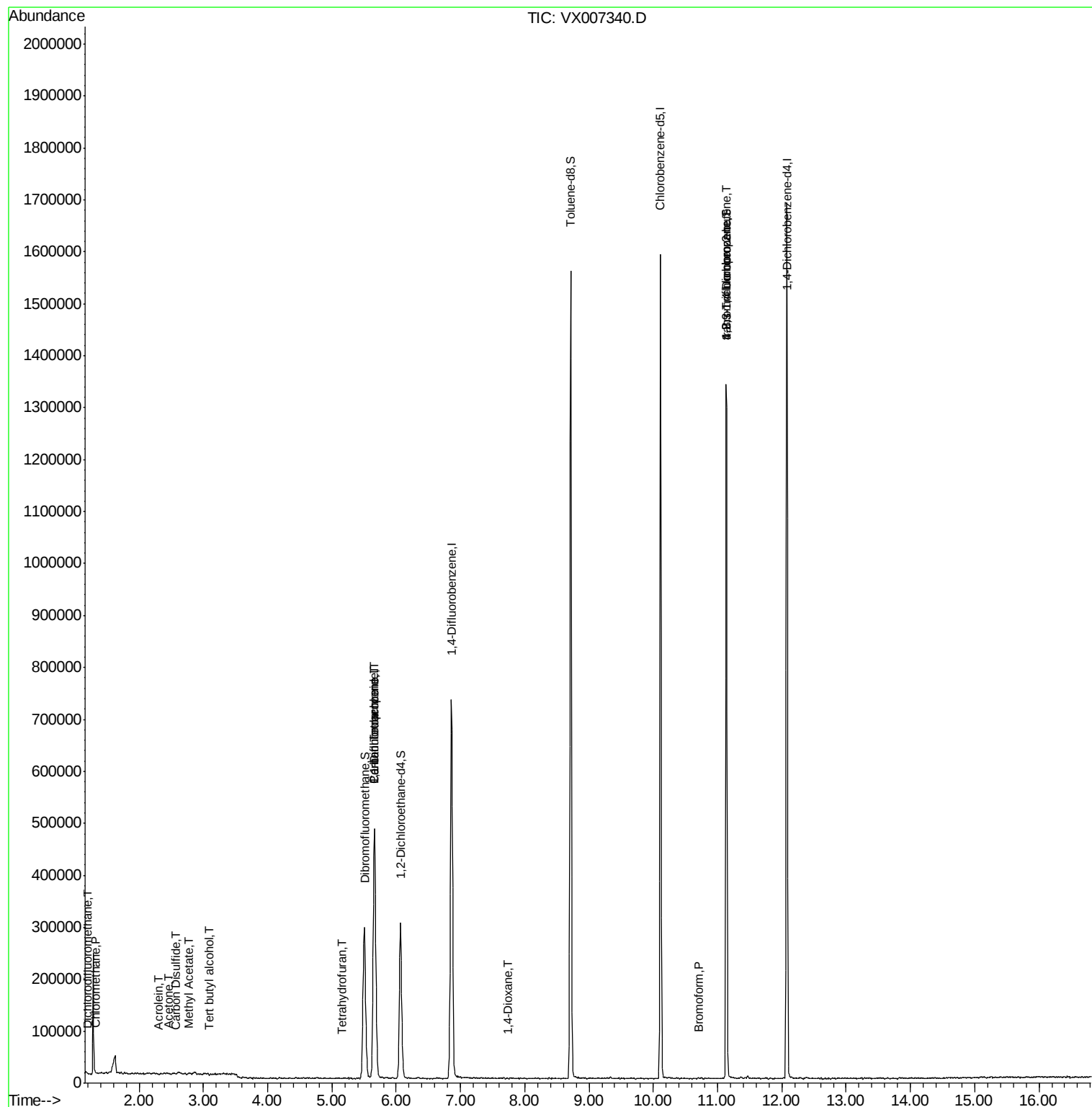
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	479	0.255	ug/l #	43
3) Chloromethane	1.33	50	1178	0.208	ug/l #	81
5) Bromomethane	1.64	94	931	Below Cal	#	55
11) Tert butyl alcohol	3.09	59	420	0.381	ug/l #	1
13) Acrolein	2.29	56	379	0.733	ug/l #	76
16) Acetone	2.45	43	1709	0.700	ug/l	94
17) Carbon Disulfide	2.57	76	1089	2.204	ug/l #	78
18) Methyl Acetate	2.78	43	2414	0.968	ug/l	98
29) Tetrahydrofuran	5.17	42	980	0.448	ug/l #	63
36) 1,1-Dichloropropene	5.66	75	33485	4.788	ug/l #	50
38) Carbon Tetrachloride	5.66	117	44935	6.623	ug/l #	16
49) 1,4-Dioxane	7.75	88	289	9.191	ug/l #	5
71) Bromoform	10.69	173	105	4.050	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	160571	22.135	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	160571	66.861	ug/l #	9

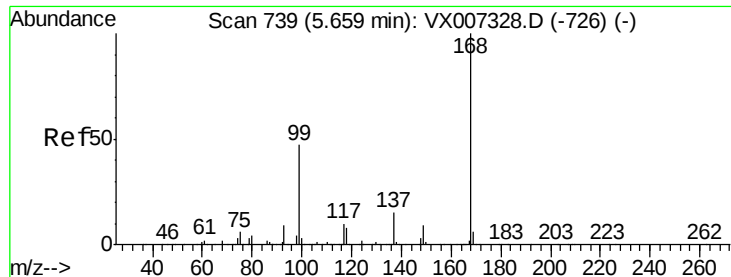
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007340.D

Acq: 01 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

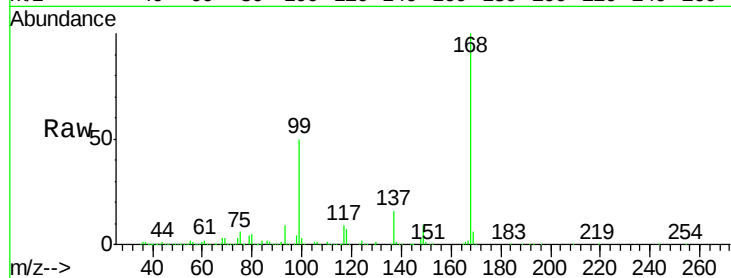
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 502293

Ion Ratio Lower Upper

168 100

99 49.8 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

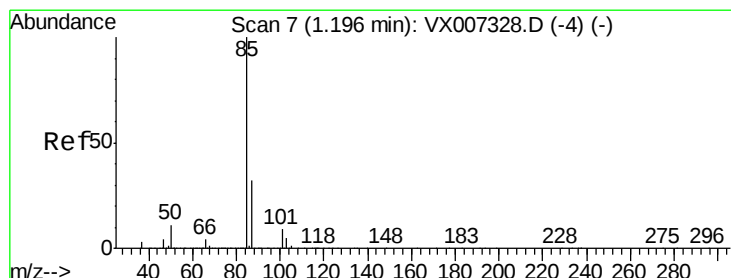
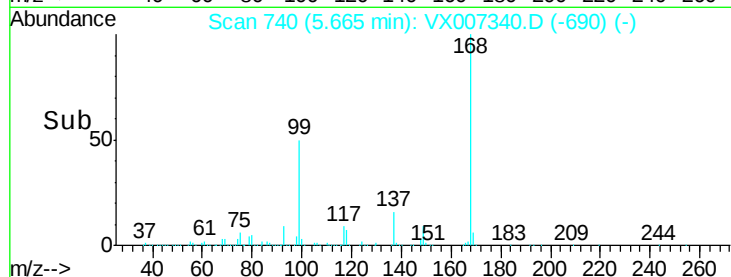
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.255 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007340.D

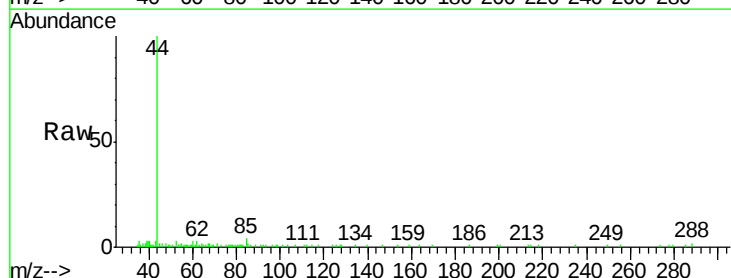
Acq: 01 Feb 2019 16:53

Tgt Ion: 85 Resp: 479

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

500

400

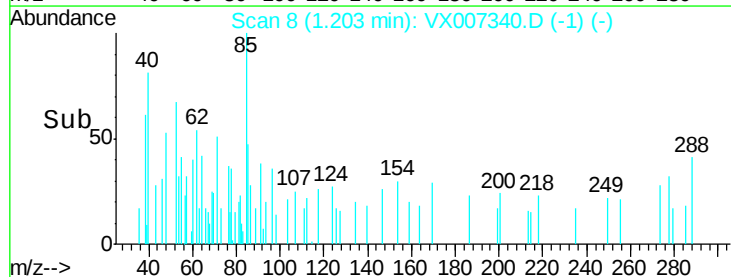
300

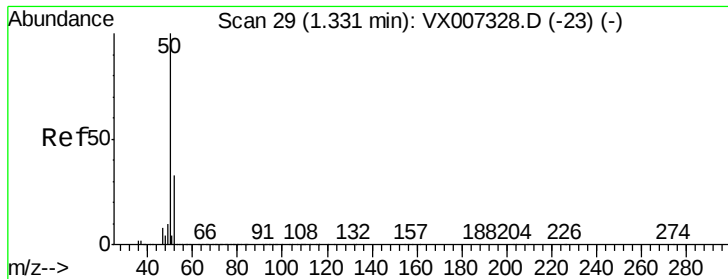
200

100

0

Time--> 1.20 1.25





#3

Chloromethane

Concen: 0.208 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007340.D

Acq: 01 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

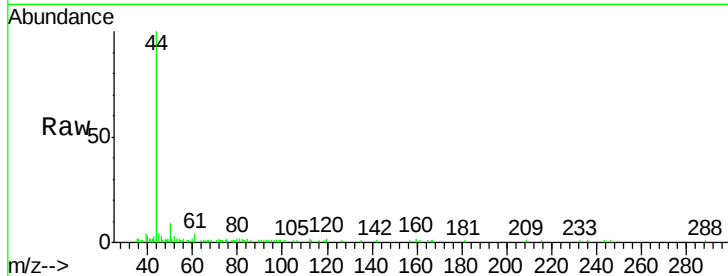
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 50 Resp: 1178

Ion Ratio Lower Upper

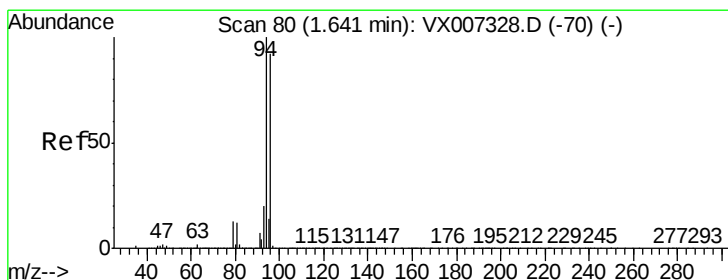
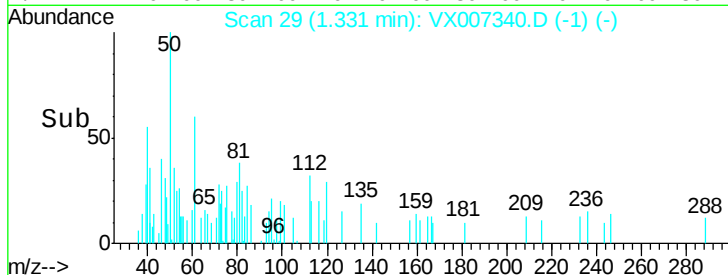
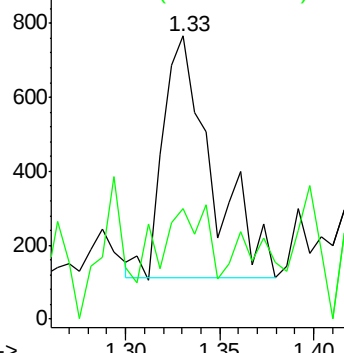
50 100

52 22.1 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007340.D

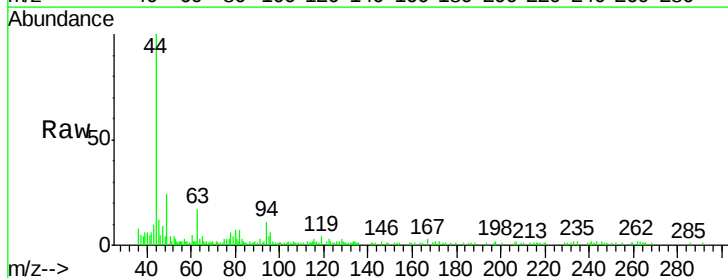
Acq: 01 Feb 2019 16:53

Tgt Ion: 94 Resp: 931

Ion Ratio Lower Upper

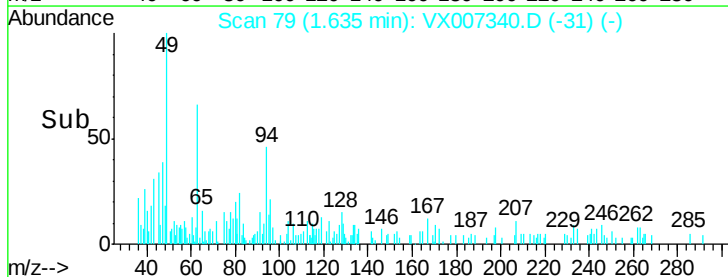
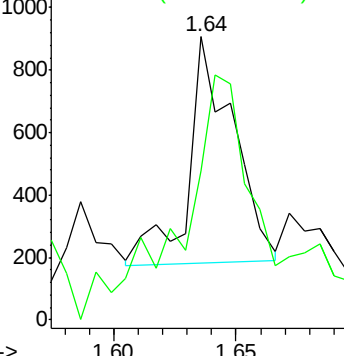
94 100

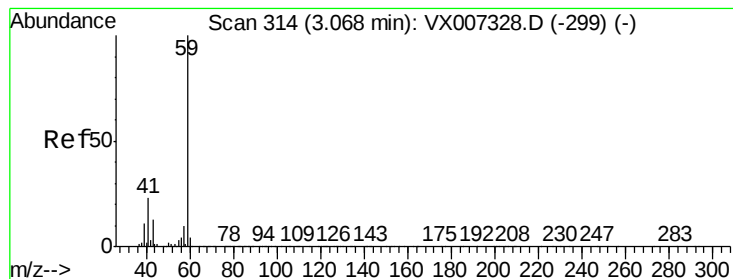
96 49.7 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



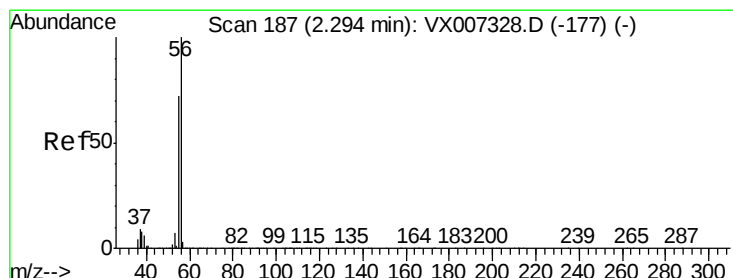
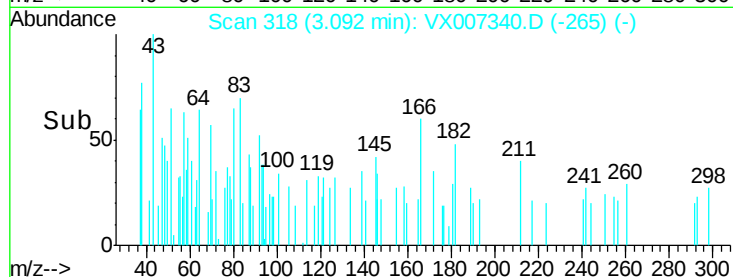
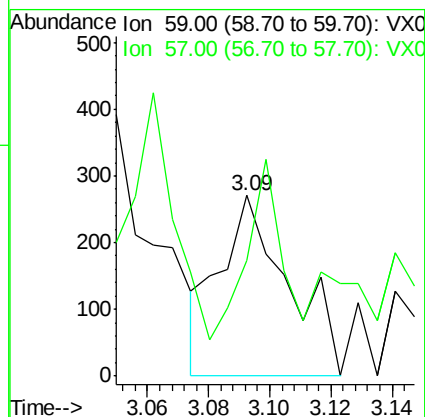
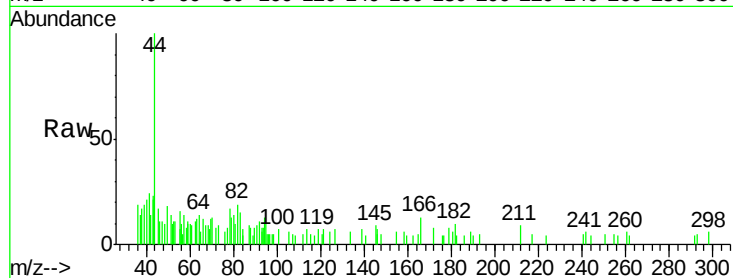


#11

Tert butyl alcohol
Concen: 0.381 ug/l
RT: 3.09 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX007340.D
Acq: 01 Feb 2019 16:53

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

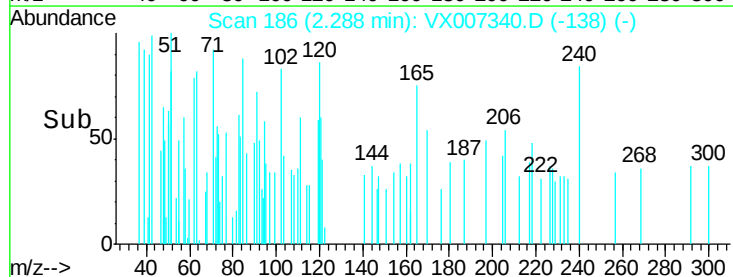
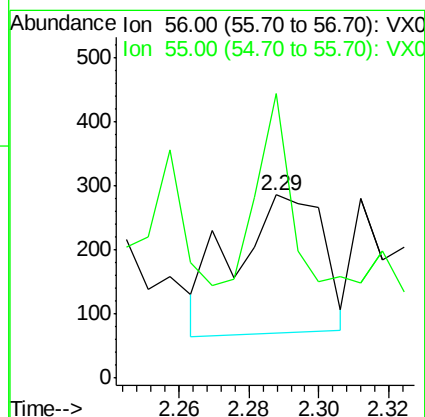
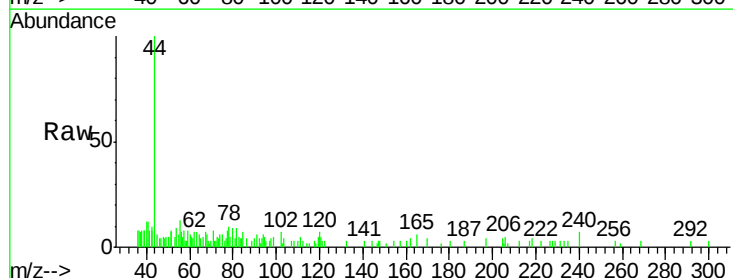
Tot Ion: 59 Resp: 420
Ion Ratio Lower Upper
59 100
57 49.3 8.1 12.1#

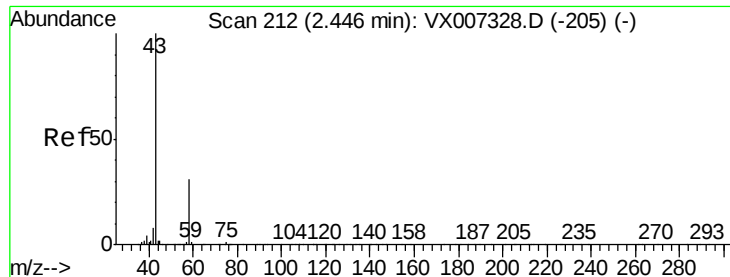


#13

Acrolein
Concen: 0.733 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX007340.D
Acq: 01 Feb 2019 16:53

Tgt Ion: 56 Resp: 379
Ion Ratio Lower Upper
56 100
55 50.9 56.9 85.3#





#16

Acetone

Concen: 0.700 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007340.D

Acq: 01 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampled :

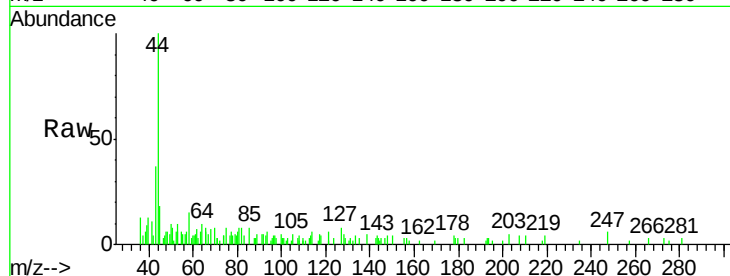
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 1709

Ion Ratio Lower Upper

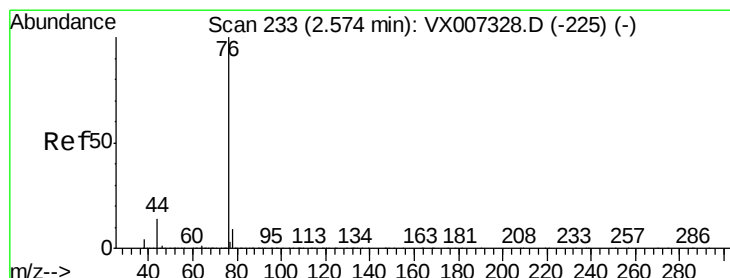
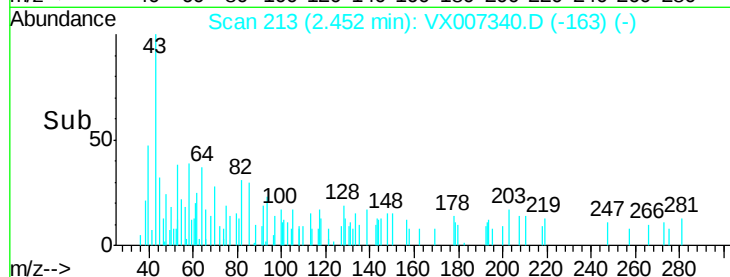
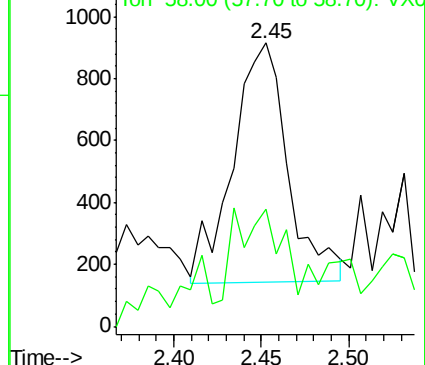
43 100

58 34.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 2.204 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007340.D

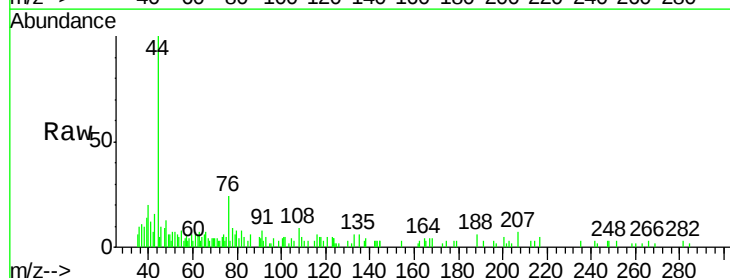
Acq: 01 Feb 2019 16:53

Tgt Ion: 76 Resp: 1089

Ion Ratio Lower Upper

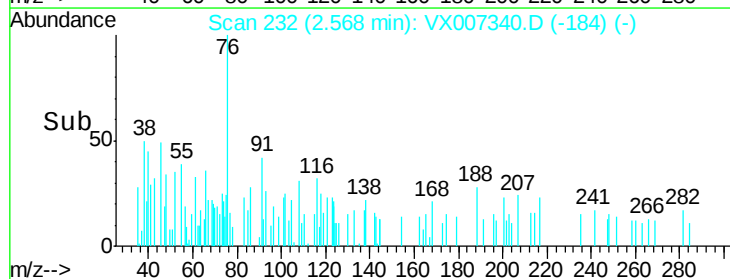
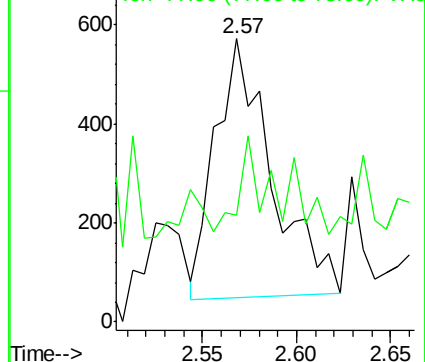
76 100

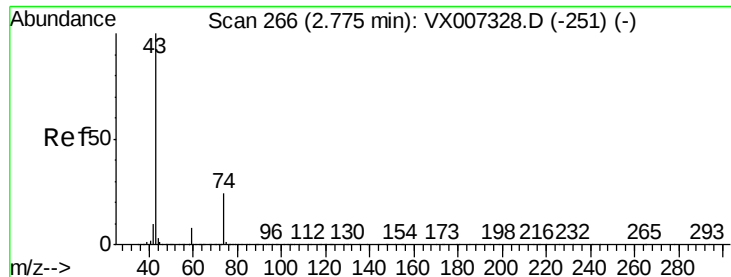
78 0.8 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

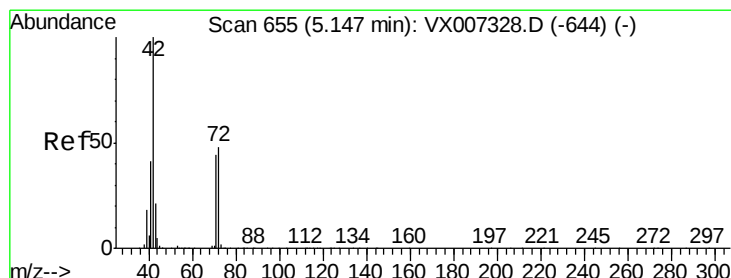
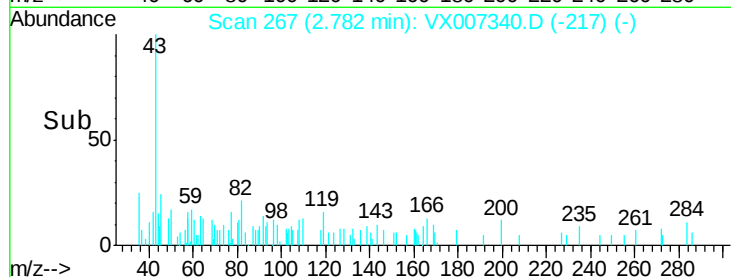
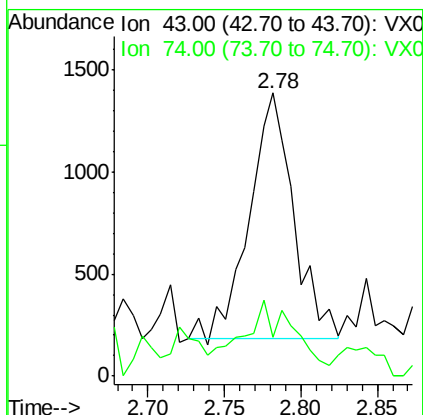
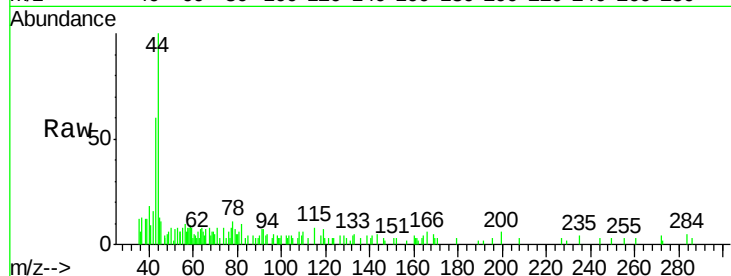




#18
Methyl Acetate
Concen: 0.968 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007340.D
Acq: 01 Feb 2019 16:53

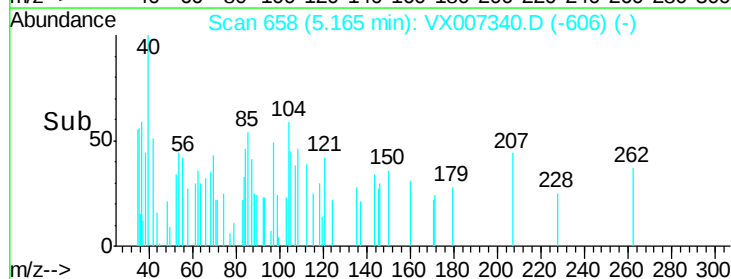
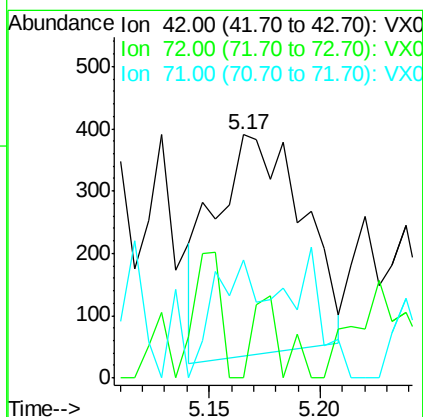
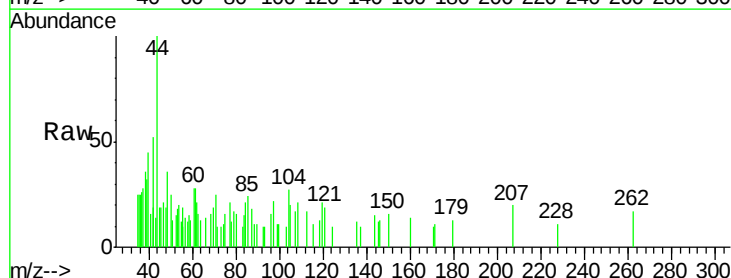
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

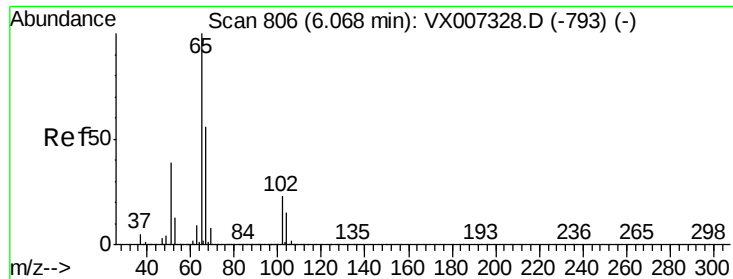
Tot Ion: 43 Resp: 2414
Ion Ratio Lower Upper
43 100
74 25.4 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.448 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.02 min
Lab File: VX007340.D
Acq: 01 Feb 2019 16:53

Tgt Ion: 42 Resp: 980
Ion Ratio Lower Upper
42 100
72 11.9 37.6 56.4#
71 29.8 34.6 51.8#





#33

1,2-Dichloroethane-d4

Concen: 51.947 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007340.D

Acq: 01 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

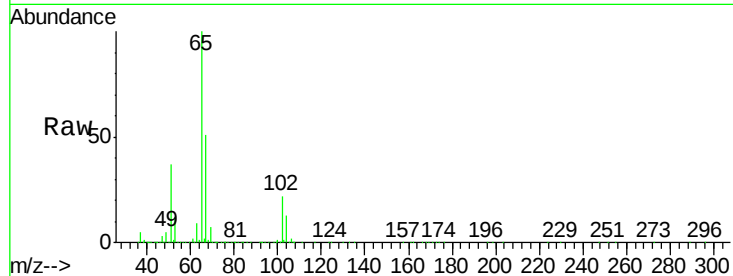
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 65 Resp: 276952

Ion Ratio Lower Upper

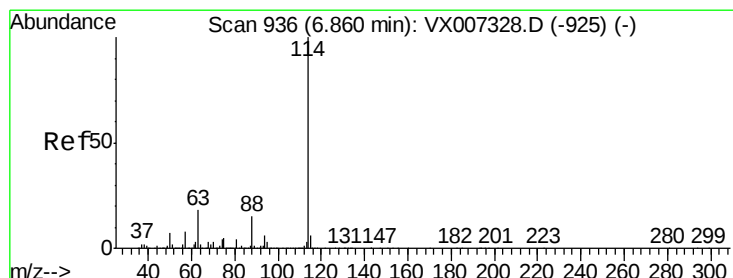
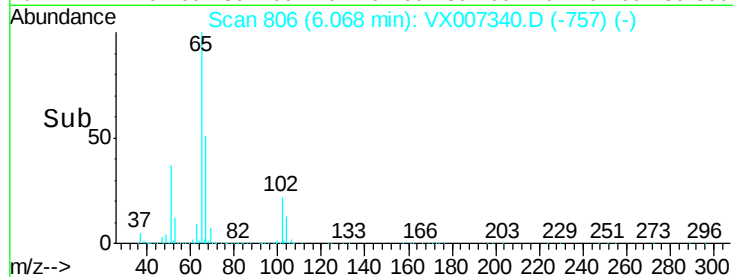
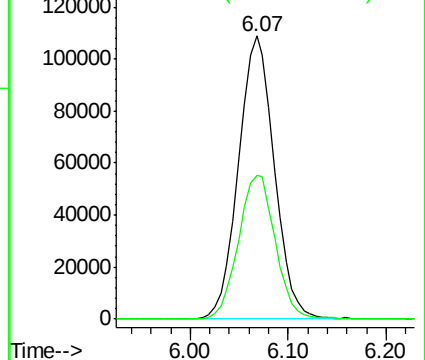
65 100

67 52.5 0.0 108.8



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007340.D

Acq: 01 Feb 2019 16:53

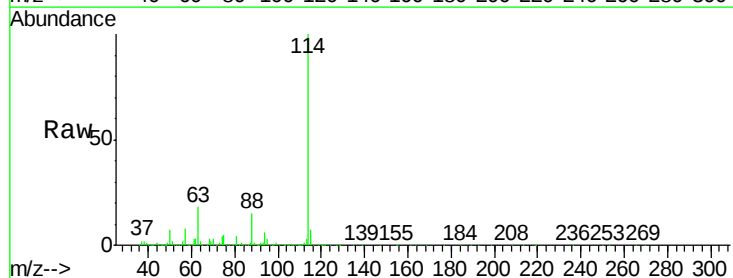
Tgt Ion: 114 Resp: 779402

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

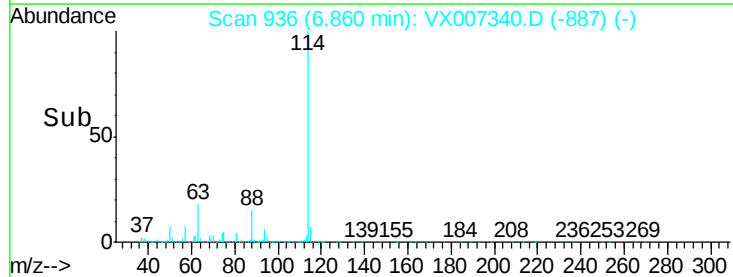
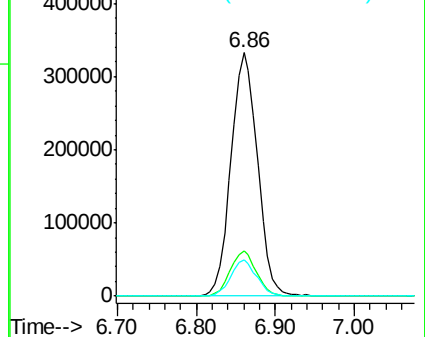
88 15.0 0.0 29.6

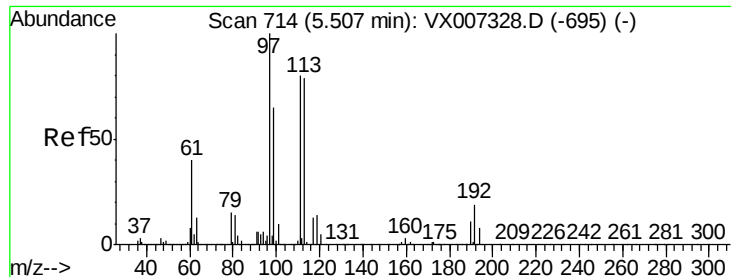


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

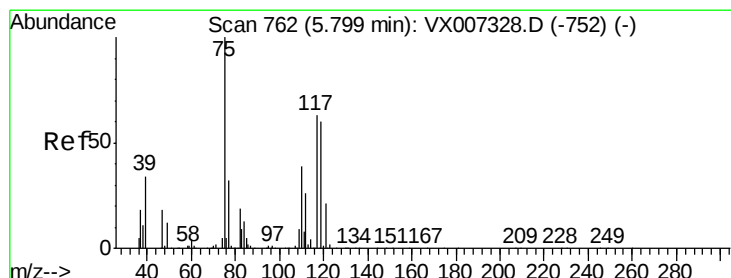
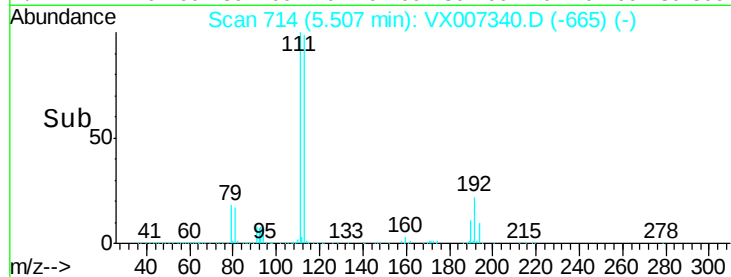
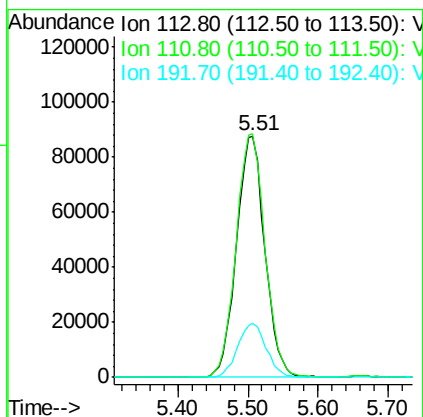
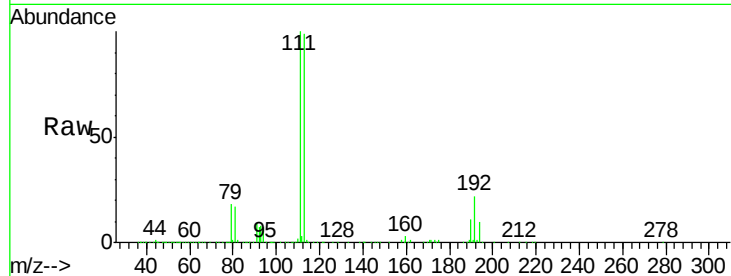




#35
 Dibromofluoromethane
 Concen: 48.480 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VX007340.D
 Acq: 01 Feb 2019 16:53

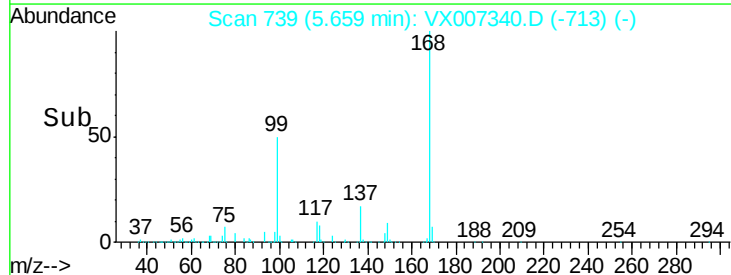
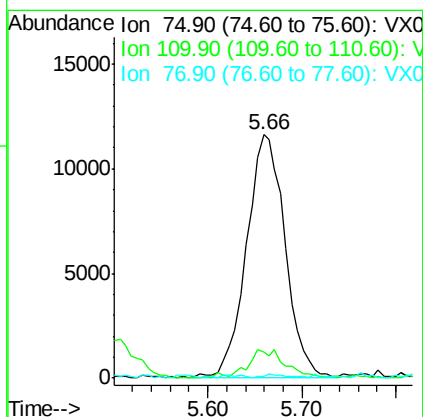
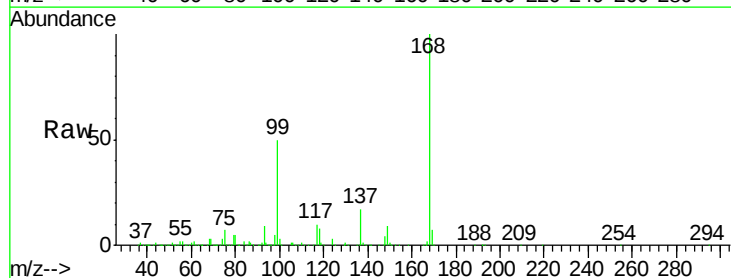
Instrument :
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 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

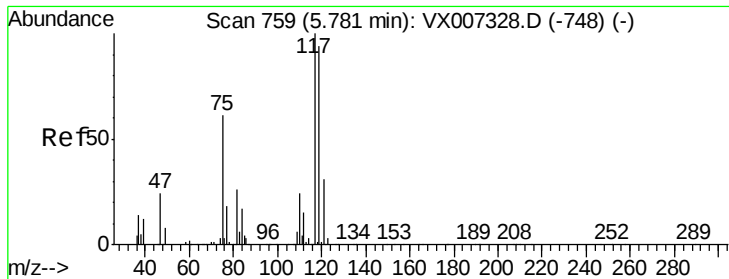
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	22.6	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 4.788 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007340.D
 Acq: 01 Feb 2019 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	20.0	59.9#
77	1.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.623 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007340.D

Acq: 01 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

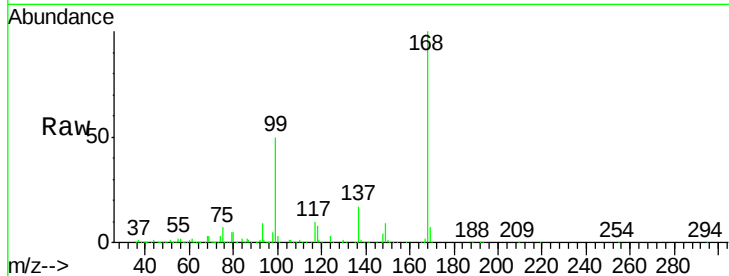
Tot Ion:117 Resp: 44935

Ion Ratio Lower Upper

117 100

119 4.7 75.3 112.9#

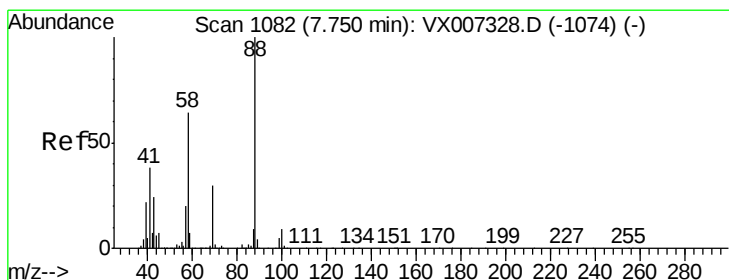
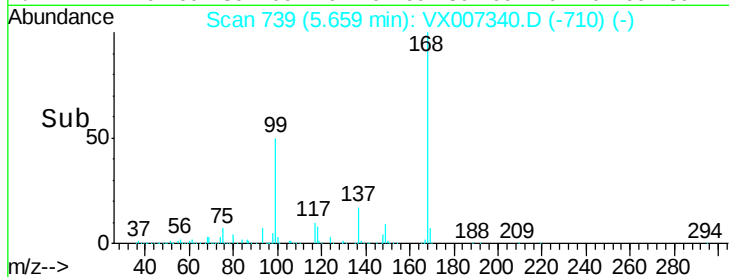
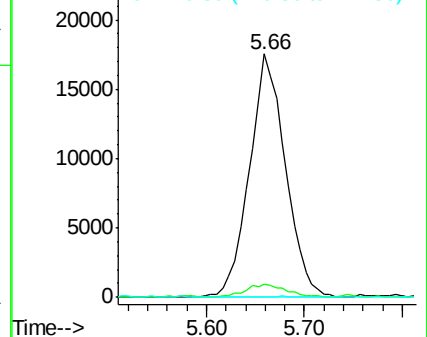
121 0.0 25.0 37.4#



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



#49

1,4-Dioxane

Concen: 9.191 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007340.D

Acq: 01 Feb 2019 16:53

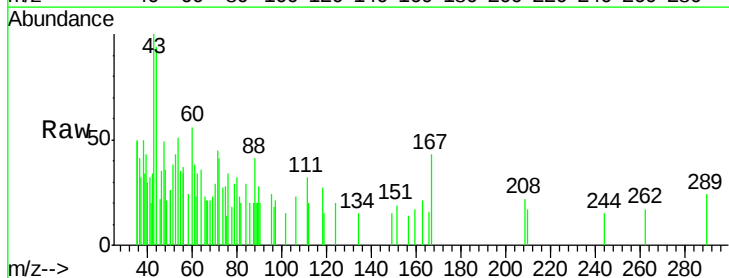
Tgt Ion: 88 Resp: 289

Ion Ratio Lower Upper

88 100

43 179.2 24.2 36.4#

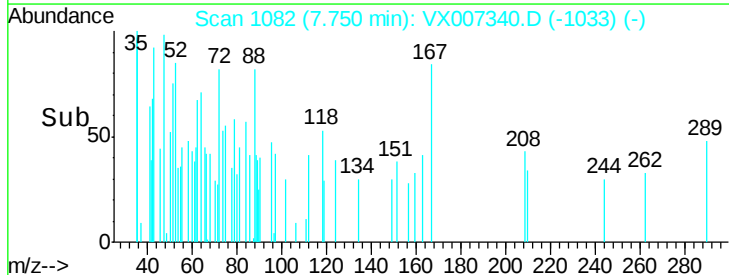
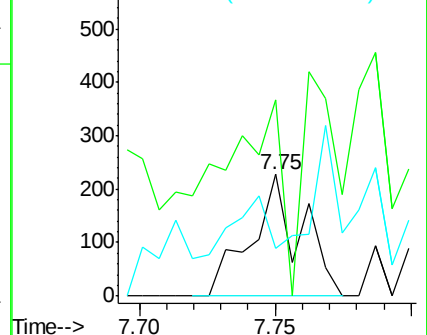
58 56.1 53.0 79.4

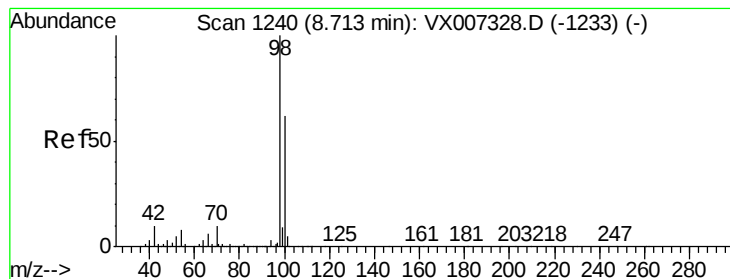


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.918 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007340.D

Acq: 01 Feb 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

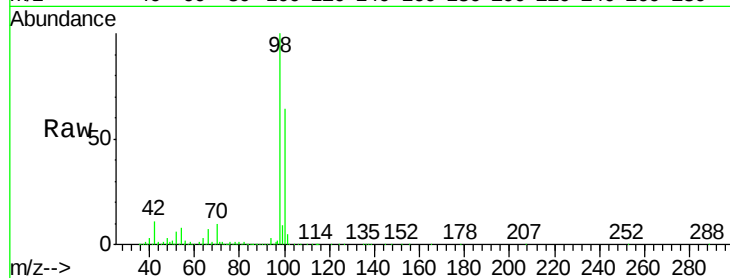
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 98 Resp: 939217

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

600000

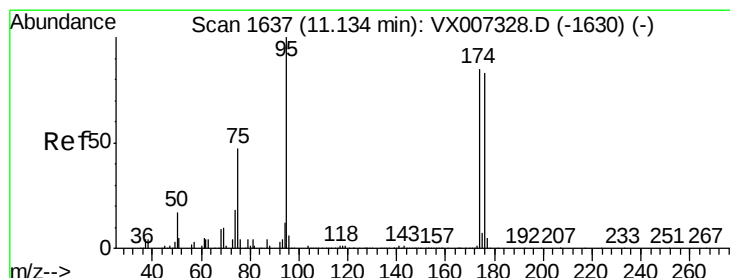
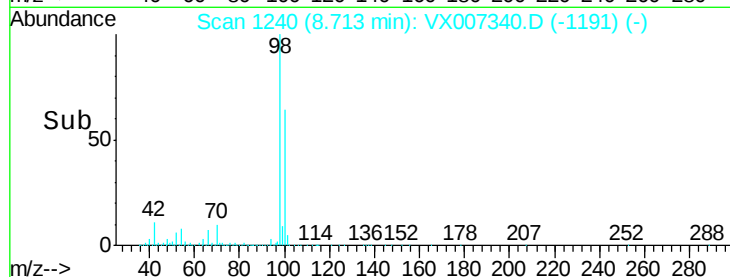
400000

200000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 50.027 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007340.D

Acq: 01 Feb 2019 16:53

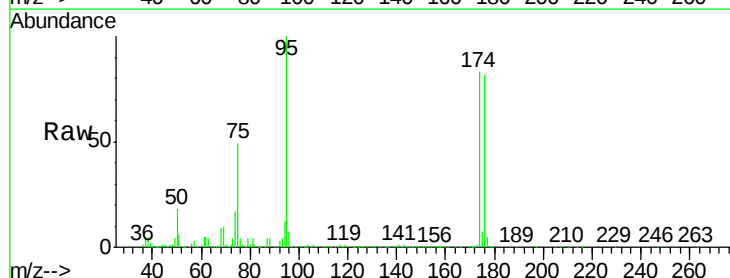
Tgt Ion: 95 Resp: 343658

Ion Ratio Lower Upper

95 100

174 91.2 0.0 189.2

176 89.7 0.0 186.2



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

300000

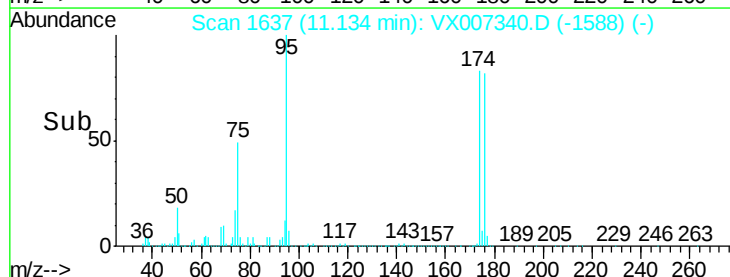
200000

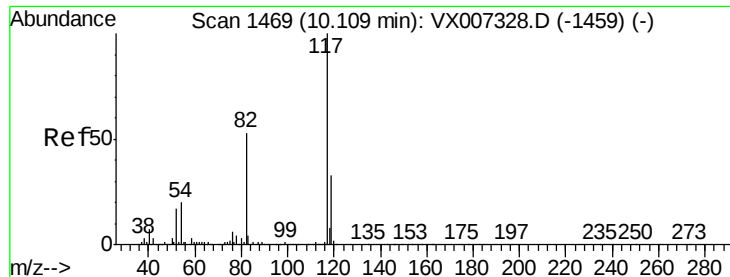
100000

0

11.10 11.20

Time-->

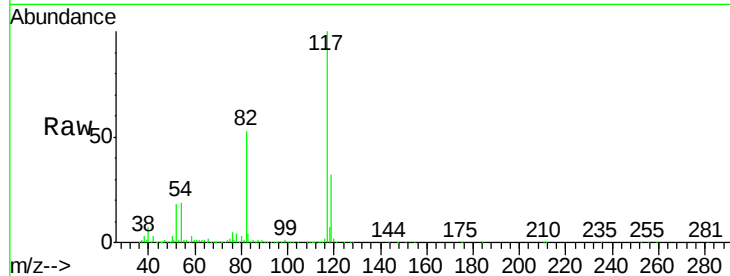




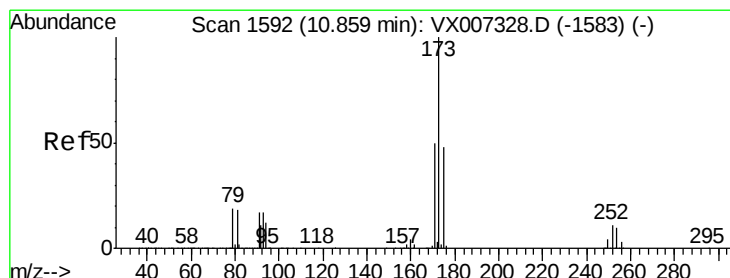
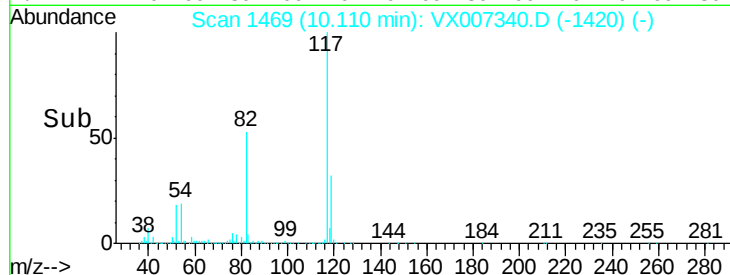
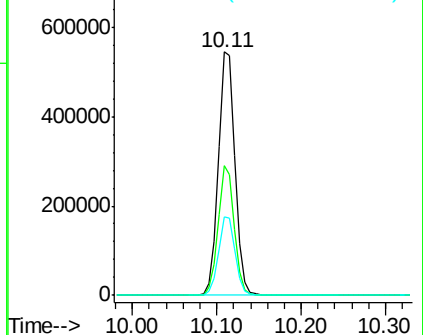
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007340.D
Acq: 01 Feb 2019 16:53

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

Tot Ion:117 Resp: 748186
Ion Ratio Lower Upper
117 100
82 53.0 42.1 63.1
119 32.0 26.5 39.7

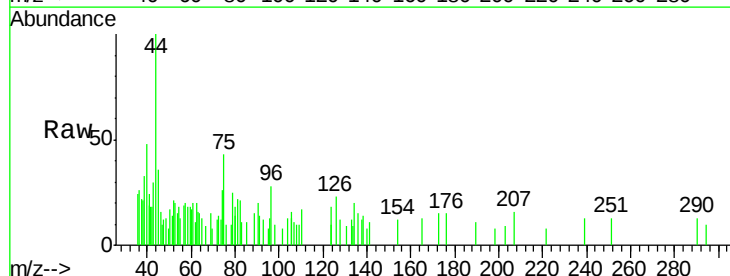


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

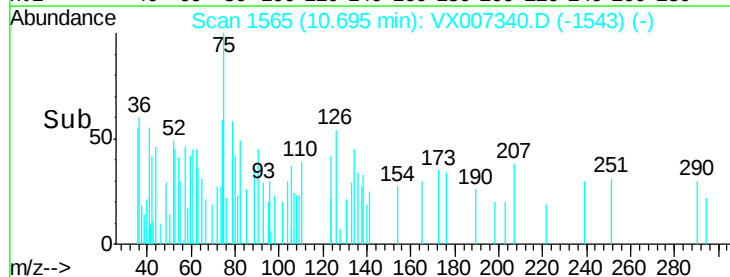
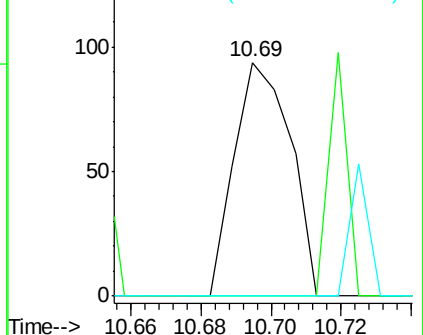


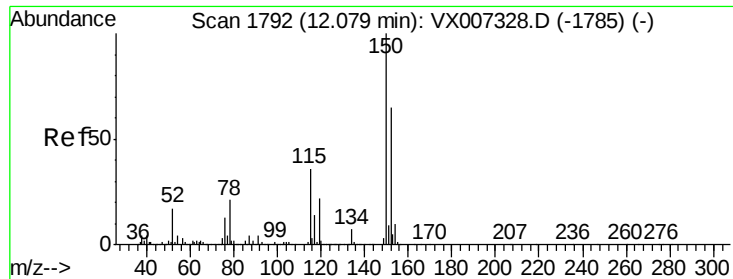
#71
Bromoform
Concen: 4.050 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.16 min
Lab File: VX007340.D
Acq: 01 Feb 2019 16:53

Tgt Ion:173 Resp: 105
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



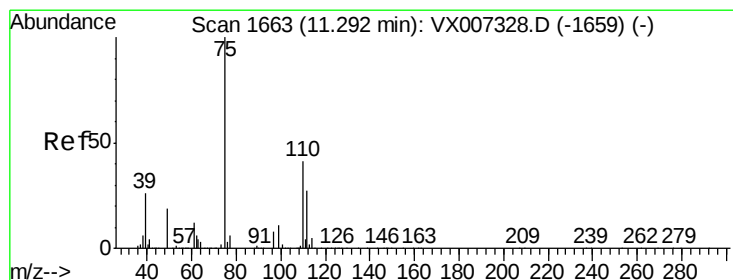
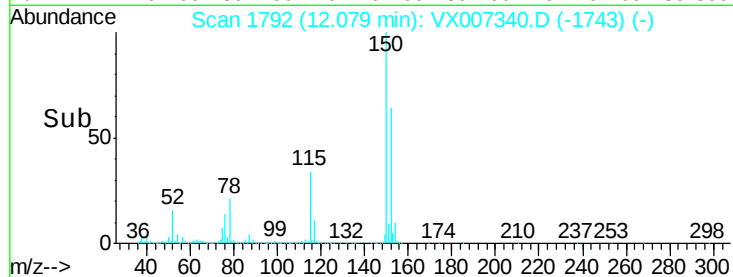
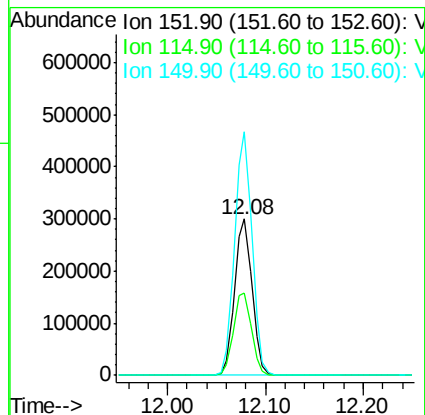
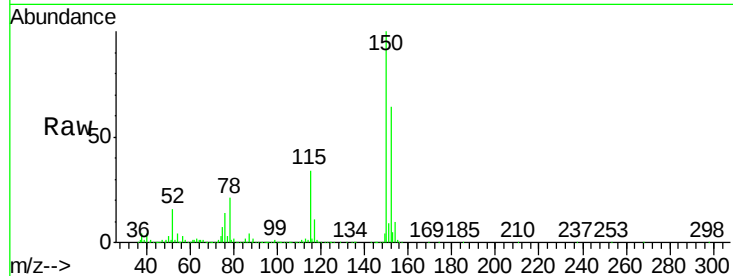


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007340.D
Acq: 01 Feb 2019 16:53

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

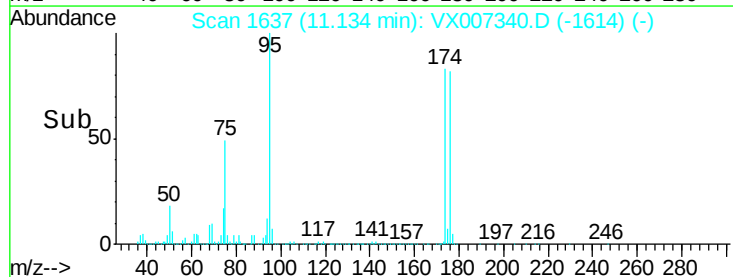
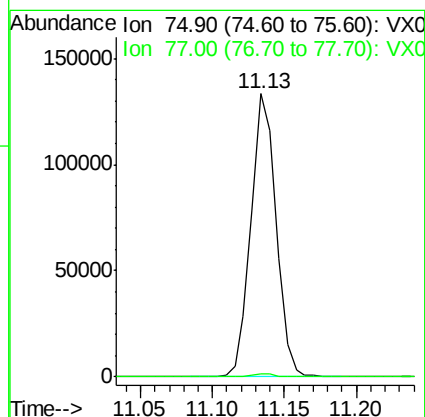
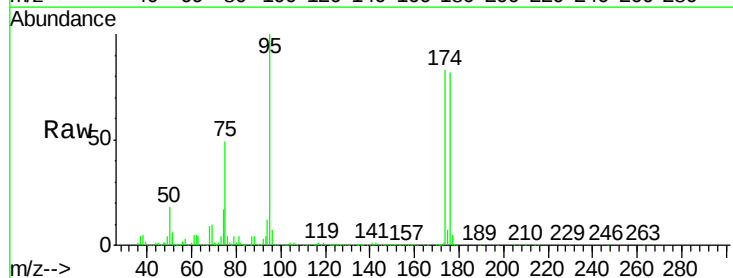
Tot Ion:152 Resp: 372935
Ion Ratio Lower Upper
152 100
115 54.4 38.0 114.0
150 155.3 0.0 346.4

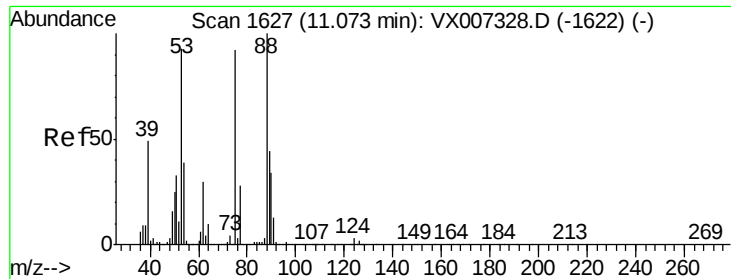


#76

1,2,3-Trichloropropane
Concen: 22.135 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007340.D
Acq: 01 Feb 2019 16:53

Tgt Ion: 75 Resp: 160571
Ion Ratio Lower Upper
75 100
77 1.2 23.0 69.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.861 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007340.D
 Acq: 01 Feb 2019 16:53

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

Tot Ion: 75 Resp: 160571
 Ion Ratio Lower Upper
 75 100
 53 0.2 81.0 121.6#
 89 0.0 41.4 62.0#

