

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
 Data File : VX011802.D
 Acq On : 23 Aug 2019 16:51
 Operator : JC/SP
 Sample : K4513-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Aug 26 01:56:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	480061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	640528	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	559414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	276004	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	214952	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	
35) Dibromofluoromethane	5.49	113	187772	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	
50) Toluene-d8	8.71	98	704526	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.13	95	236944	41.49	ug/l	0.00
Spiked Amount			Recovery	=	82.98%	

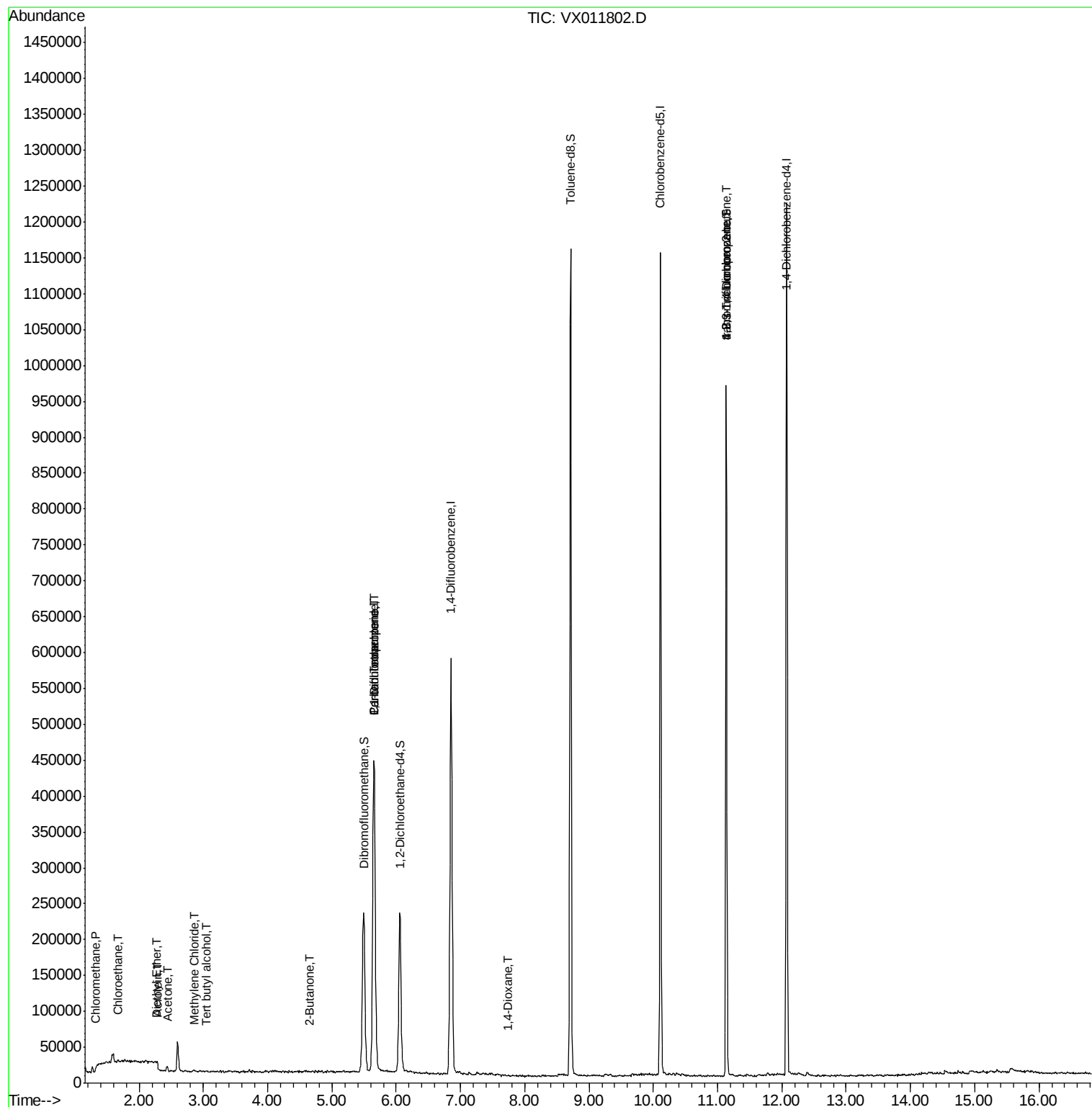
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1134	0.289	ug/l	95
6) Chloroethane	1.67	64	525	0.229	ug/l #	44
8) Diethyl Ether	2.27	74	582	0.274	ug/l	79
11) Tert butyl alcohol	3.04	59	1645	1.726	ug/l #	65
13) Acrolein	2.28	56	303	0.823	ug/l #	16
16) Acetone	2.44	43	6753	3.219	ug/l	93
20) Methylene Chloride	2.85	84	1784	0.416	ug/l #	84
25) 2-Butanone	4.65	43	654	0.217	ug/l #	53
36) 1,1-Dichloropropene	5.65	75	26918	5.359	ug/l #	52
38) Carbon Tetrachloride	5.65	117	39878	7.005	ug/l #	16
49) 1,4-Dioxane	7.75	88	94	0.792	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	104448	21.567	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	104448	65.041	ug/l #	11

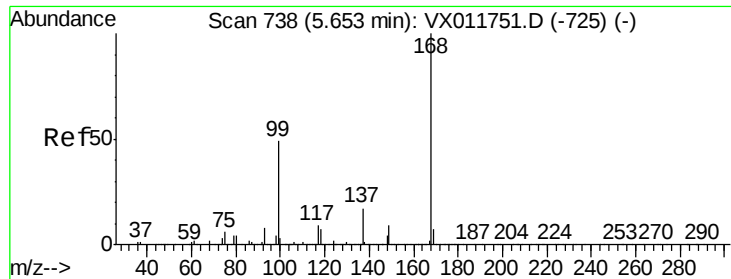
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011802.D

Acq: 23 Aug 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

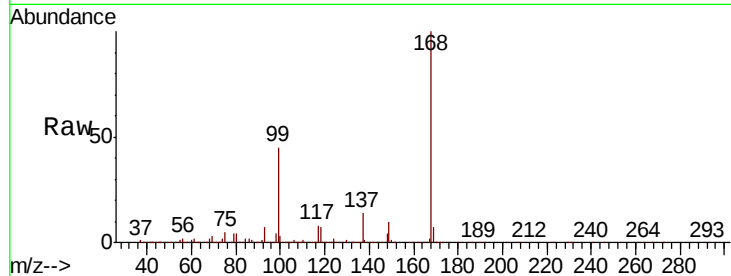
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 480061

Ion Ratio Lower Upper

168 100

99 44.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

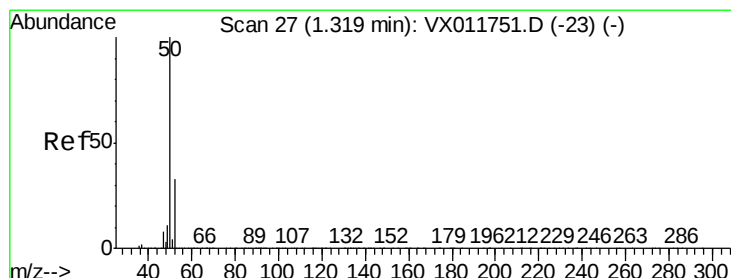
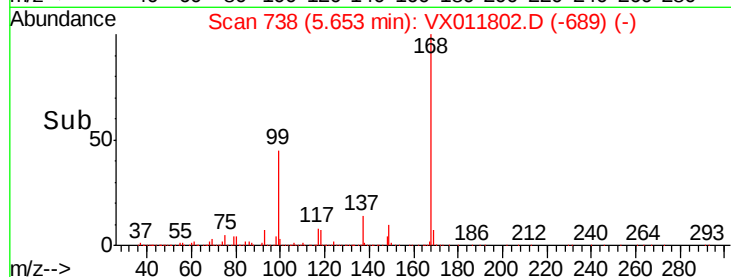
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.289 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011802.D

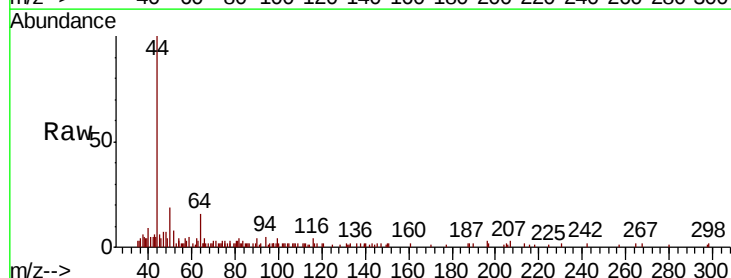
Acq: 23 Aug 2019 16:51

Tgt Ion: 50 Resp: 1134

Ion Ratio Lower Upper

50 100

52 30.4 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

800

600

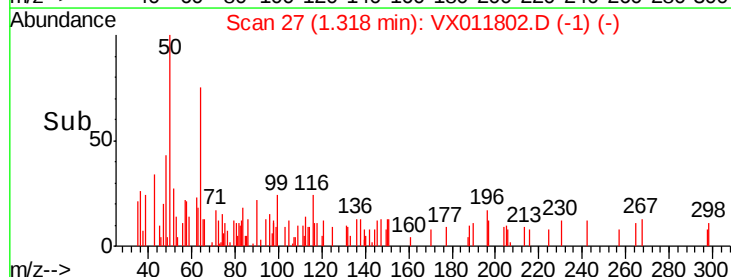
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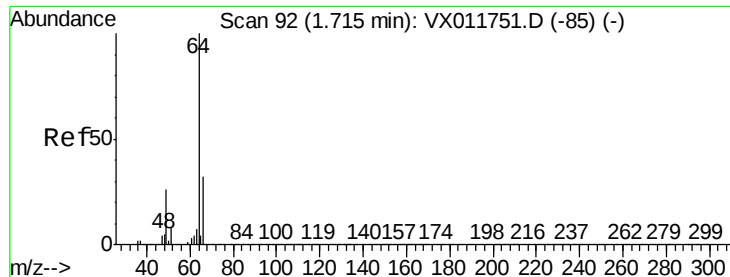
200

0

1.30 1.35

Time-->





#6

Chloroethane

Concen: 0.229 ug/l

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX011802.D

Acq: 23 Aug 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

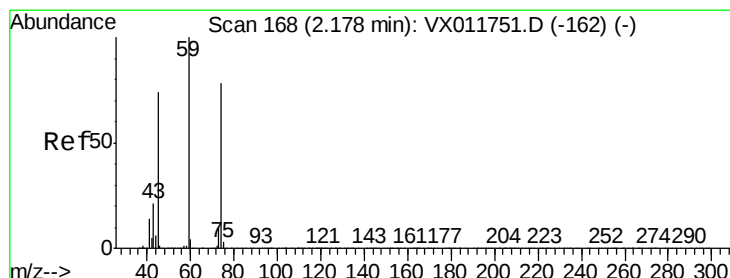
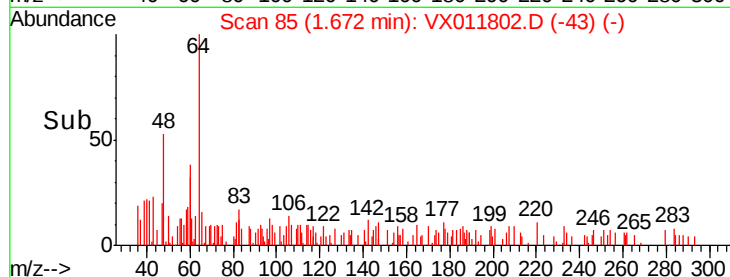
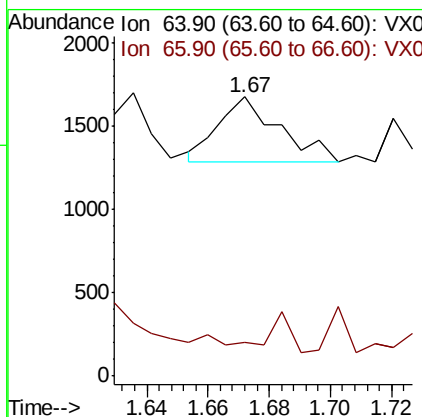
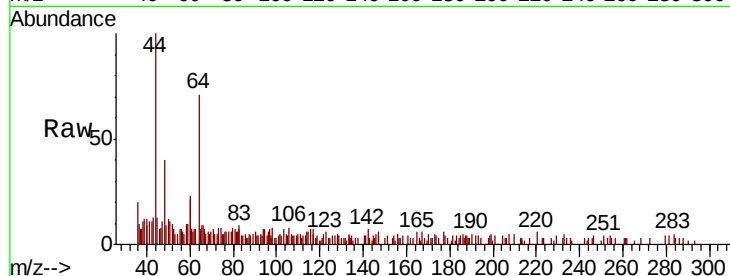
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 64 Resp: 525

Ion Ratio Lower Upper

64 100

66 0.3 24.9 37.3#



#8

Diethyl Ether

Concen: 0.274 ug/l

RT: 2.27 min Scan# 183

Delta R.T. 0.09 min

Lab File: VX011802.D

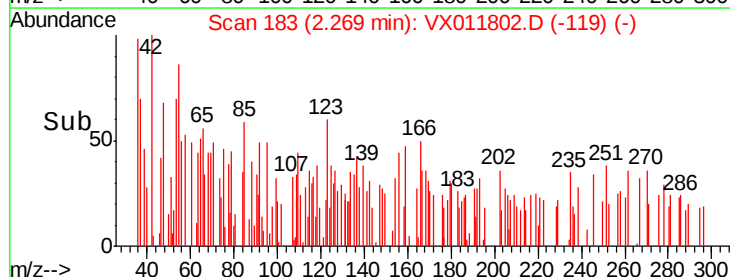
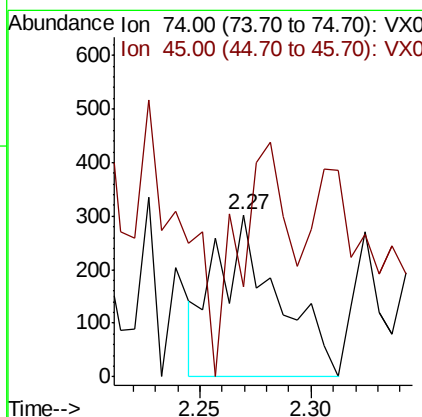
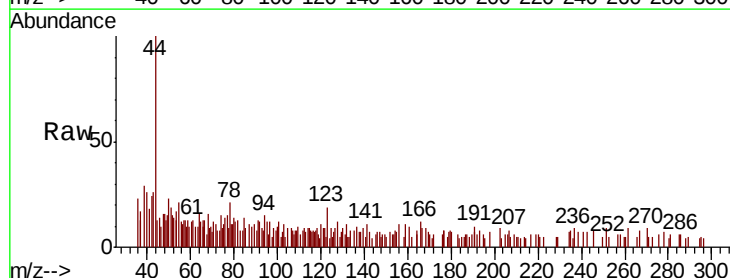
Acq: 23 Aug 2019 16:51

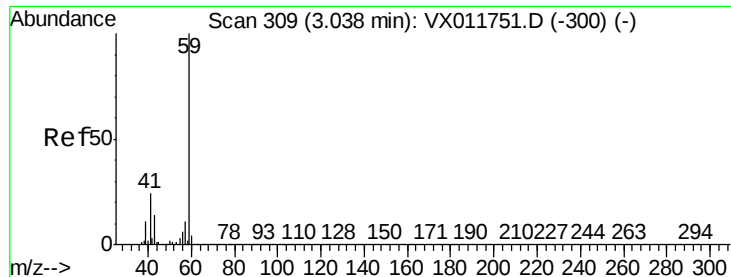
Tgt Ion: 74 Resp: 582

Ion Ratio Lower Upper

74 100

45 113.9 46.7 140.0

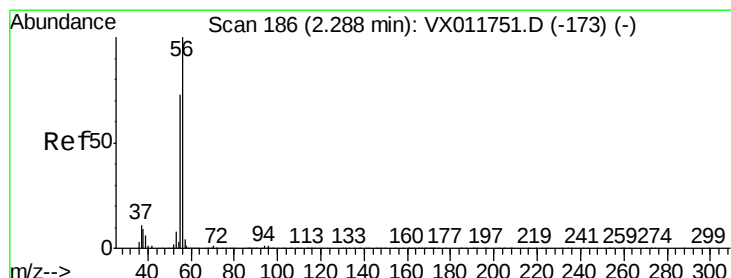
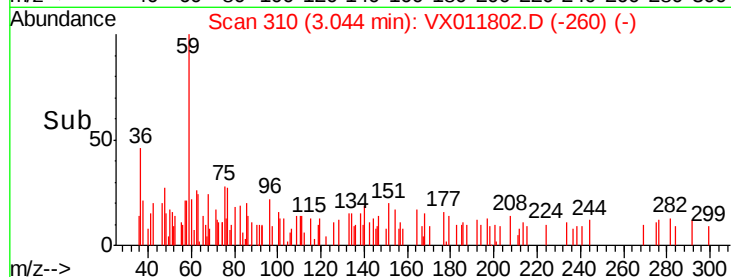
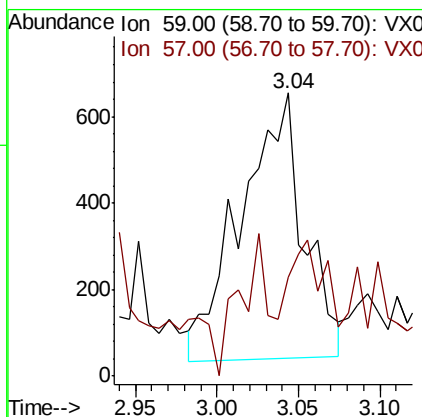
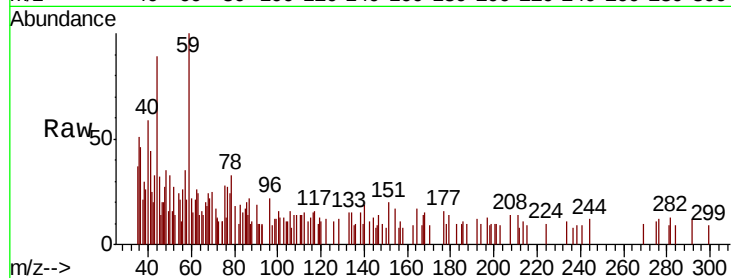




#11
Tert butyl alcohol
Concen: 1.726 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011802.D
Acq: 23 Aug 2019 16:51

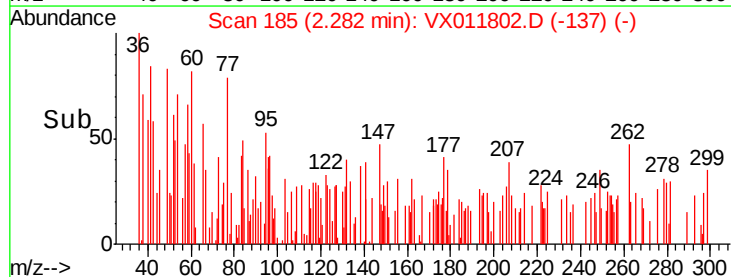
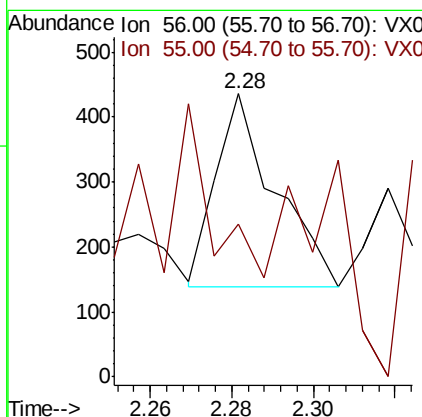
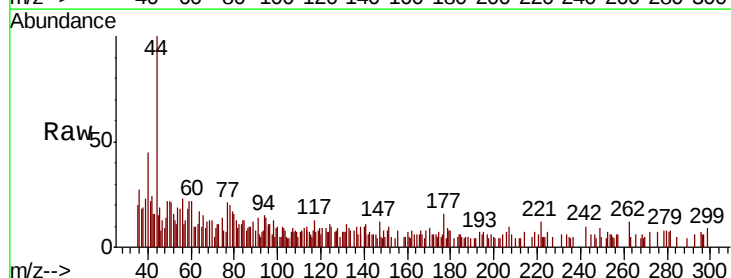
Instrument :
MSVOA_X
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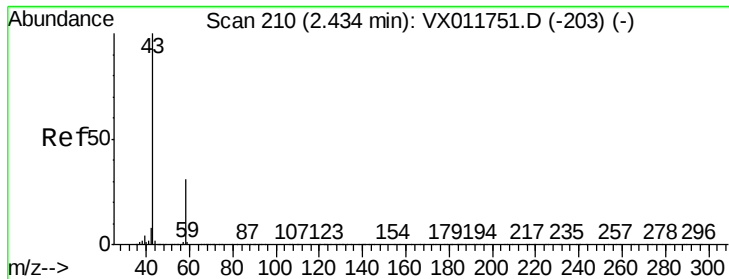
Tgt Ion: 59 Resp: 1645
Ion Ratio Lower Upper
59 100
57 23.6 8.4 12.6#



#13
Acrolein
Concen: 0.823 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX011802.D
Acq: 23 Aug 2019 16:51

Tgt Ion: 56 Resp: 303
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

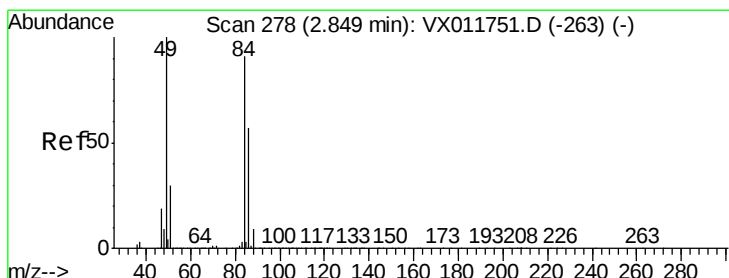
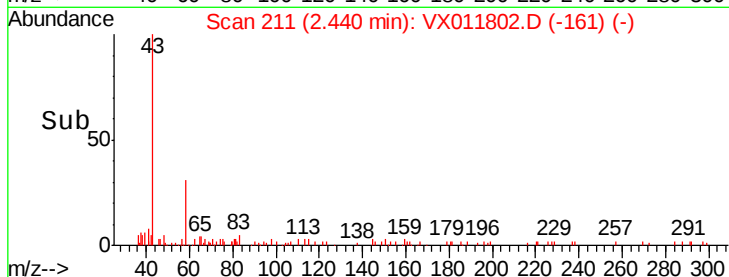
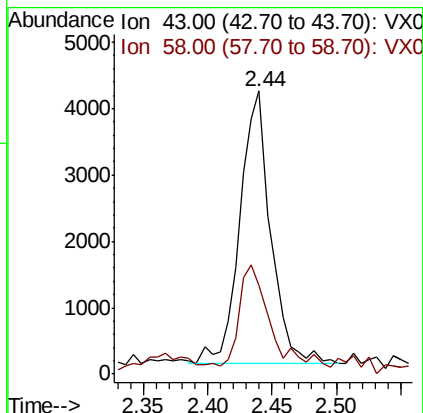
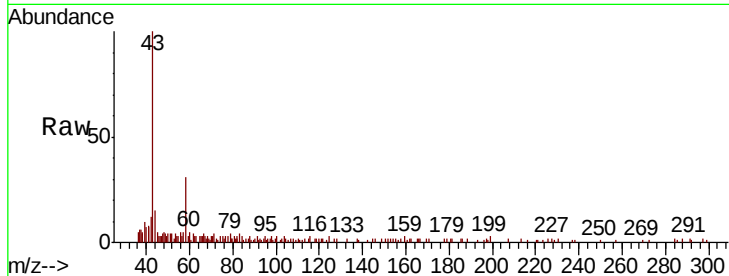




#16
Acetone
Concen: 3.219 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.01 min
Lab File: VX011802.D
Acq: 23 Aug 2019 16:51

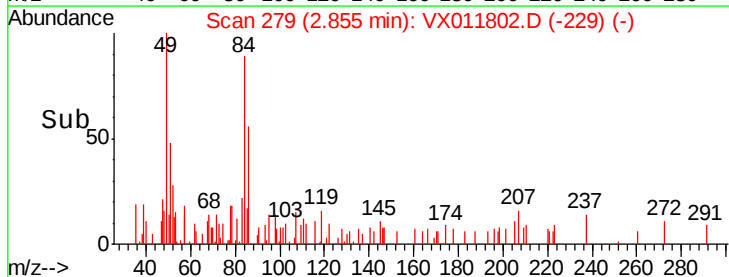
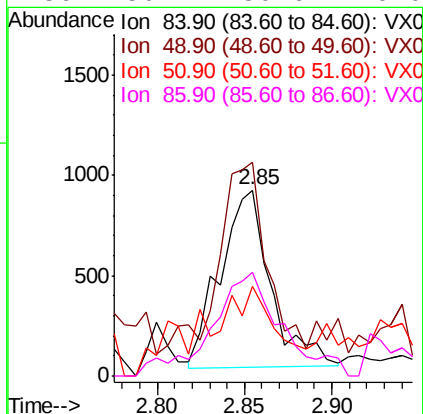
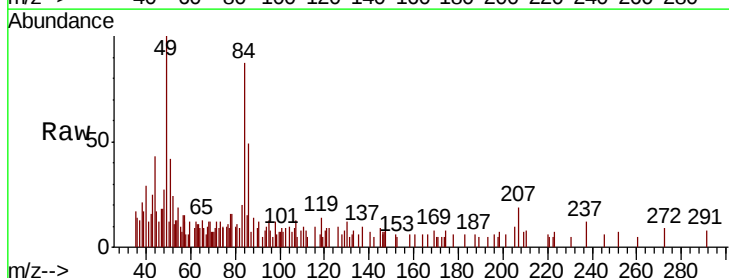
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

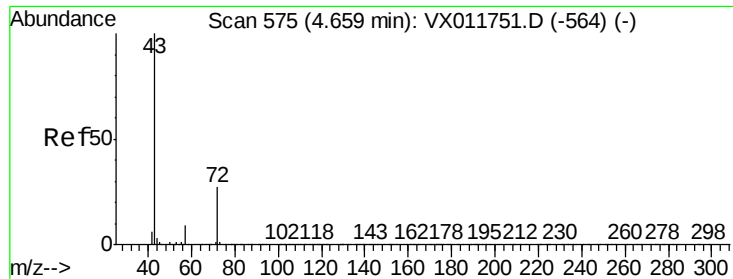
Tgt Ion: 43 Resp: 6753
Ion Ratio Lower Upper
43 100
58 26.9 24.4 36.6



#20
Methylene Chloride
Concen: 0.416 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011802.D
Acq: 23 Aug 2019 16:51

Tgt Ion: 84 Resp: 1784
Ion Ratio Lower Upper
84 100
49 93.3 88.3 132.5
51 39.1 26.2 39.2
86 50.2 50.6 76.0#

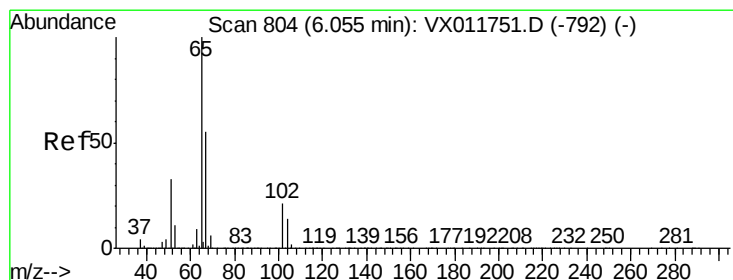
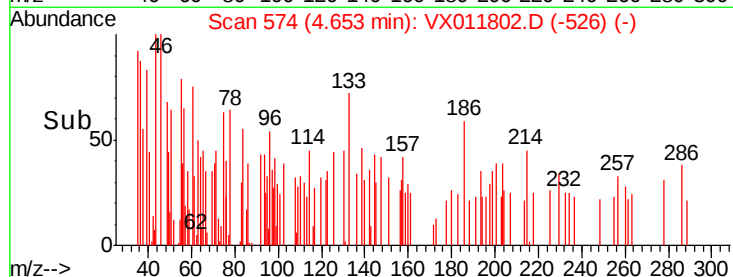
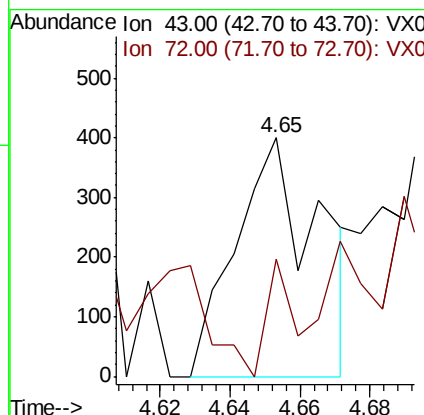
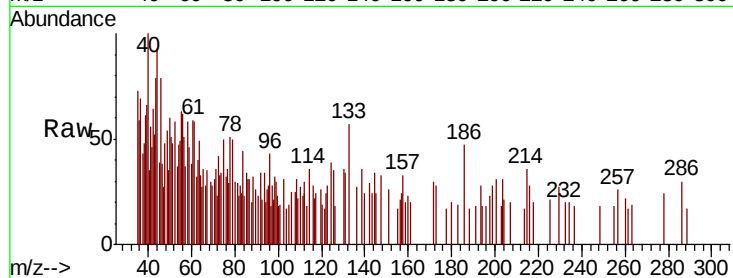




#25
2-Butanone
Concen: 0.217 ug/l
RT: 4.65 min Scan# 574
Delta R.T. -0.01 min
Lab File: VX011802.D
Acq: 23 Aug 2019 16:51

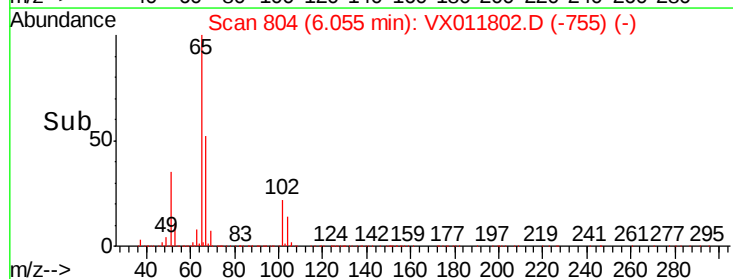
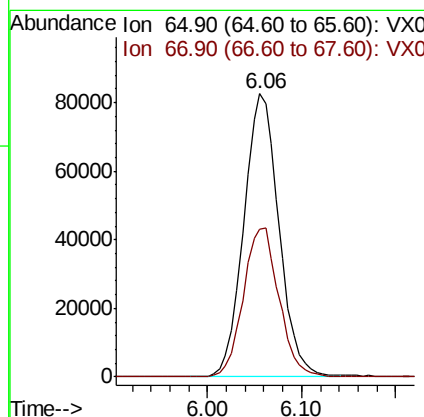
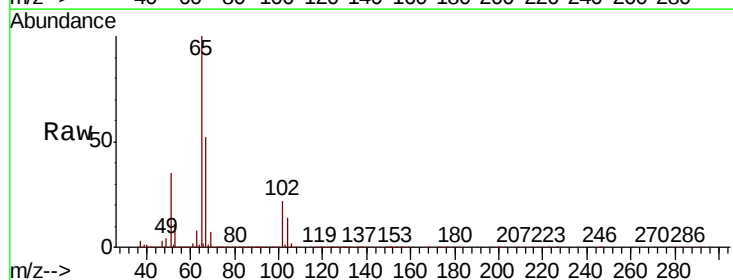
Instrument :
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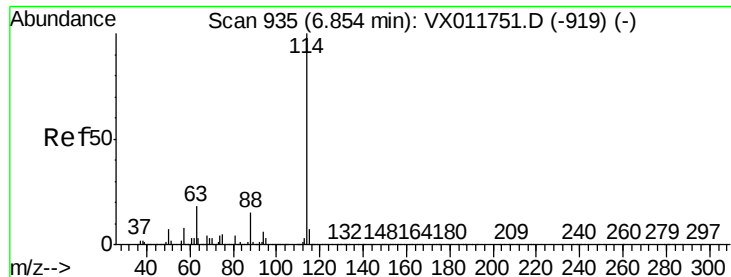
Tgt Ion: 43 Resp: 654
Ion Ratio Lower Upper
43 100
72 2.8 21.8 32.6#



#33
1,2-Dichloroethane-d4
Concen: 44.573 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX011802.D
Acq: 23 Aug 2019 16:51

Tgt Ion: 65 Resp: 214952
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011802.D

Acq: 23 Aug 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

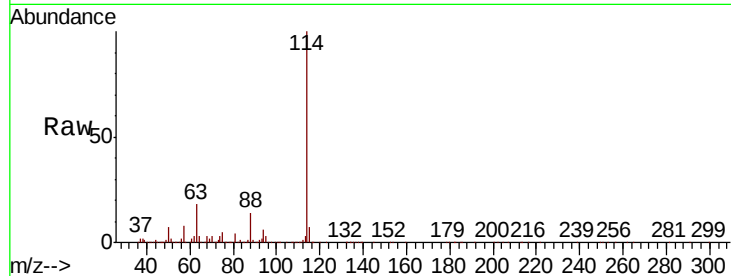
Tgt Ion:114 Resp: 640528

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.8

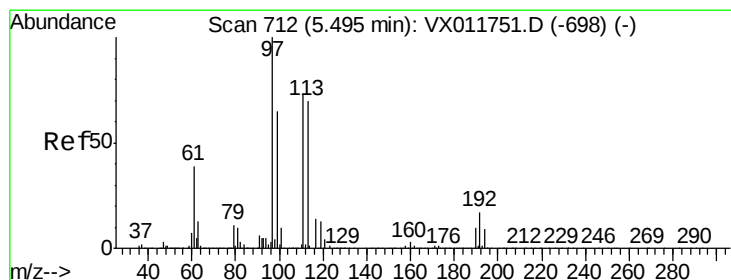
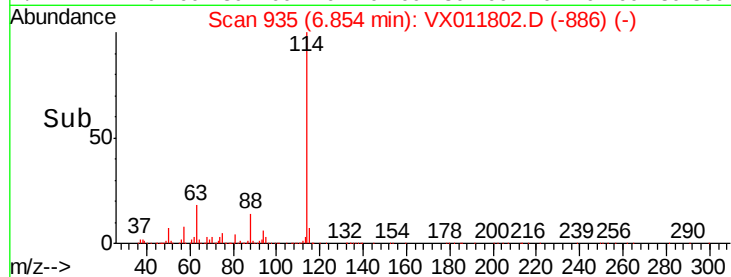
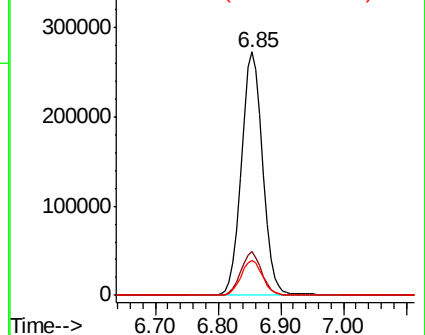
88 14.4 0.0 30.2



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: 45.335 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011802.D

Acq: 23 Aug 2019 16:51

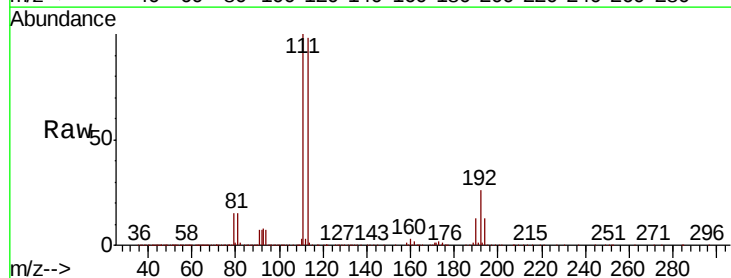
Tgt Ion:113 Resp: 187772

Ion Ratio Lower Upper

113 100

111 102.1 81.0 121.4

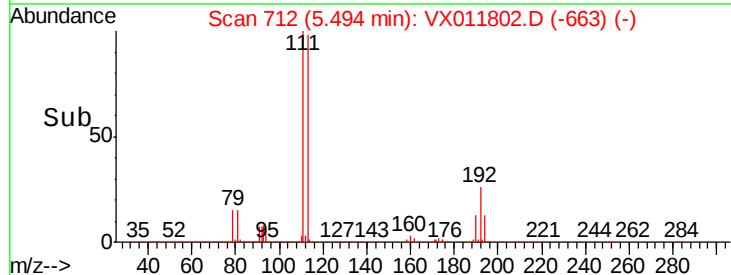
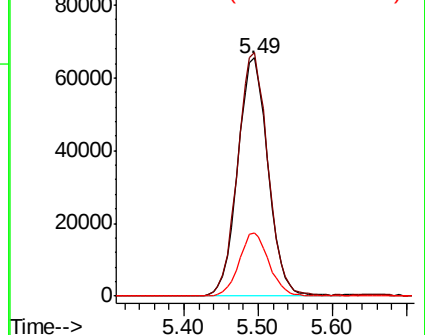
192 26.3 19.9 29.9

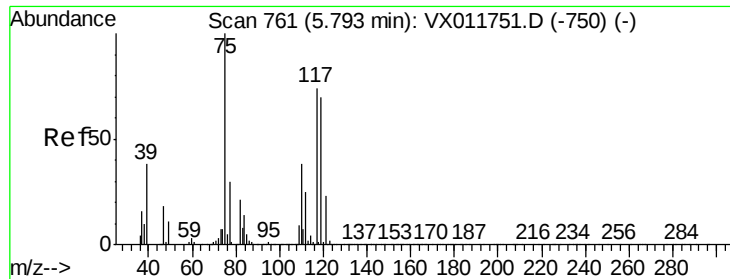


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

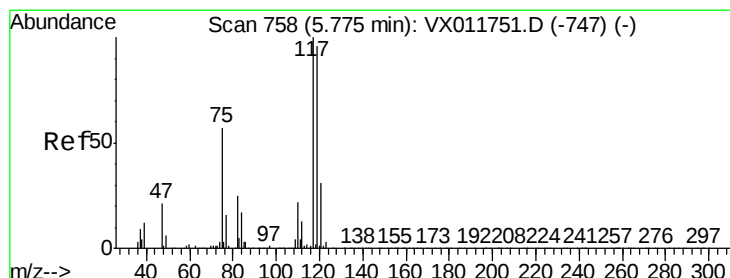
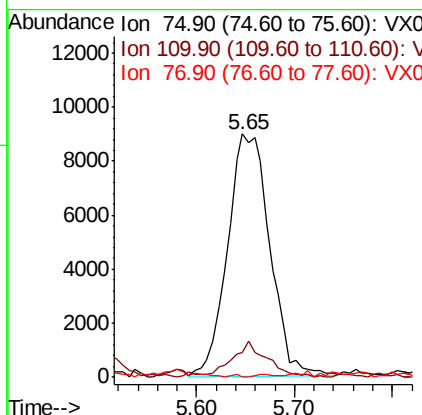
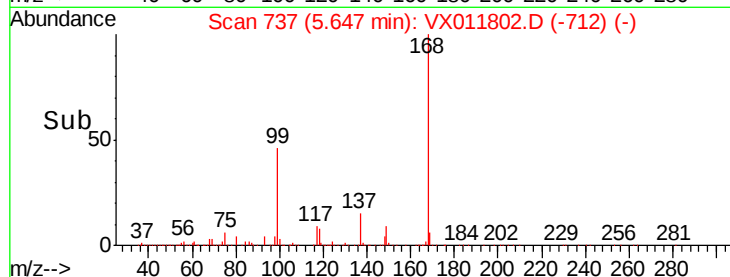
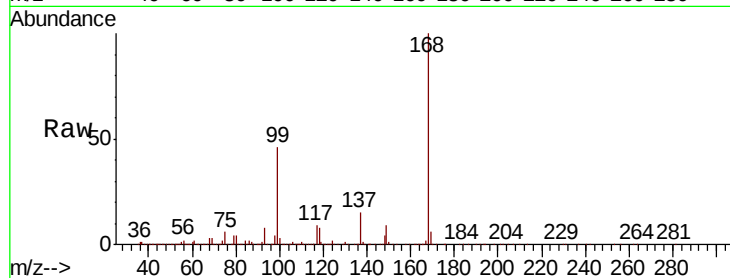




#36
 1,1-Dichloropropene
 Concen: 5.359 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX011802.D
 Acq: 23 Aug 2019 16:51

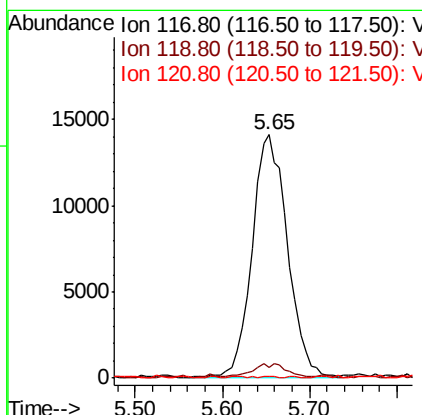
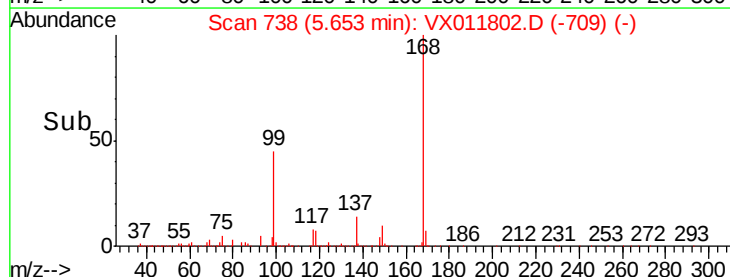
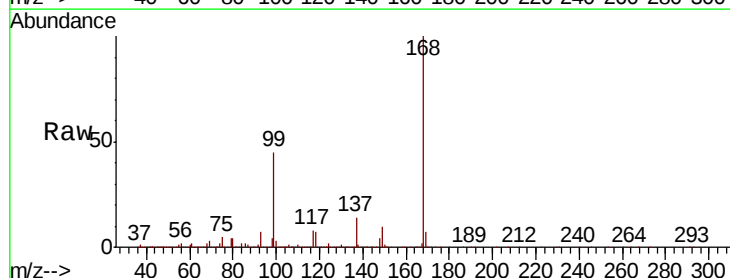
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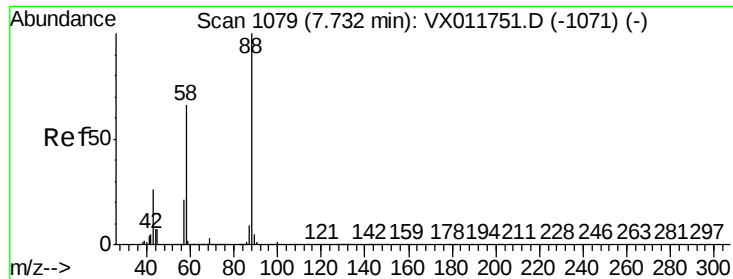
Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.3	19.0	57.0#
77	0.3	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 7.005 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.12 min
 Lab File: VX011802.D
 Acq: 23 Aug 2019 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.6	114.8#
121	0.0	25.2	37.8#

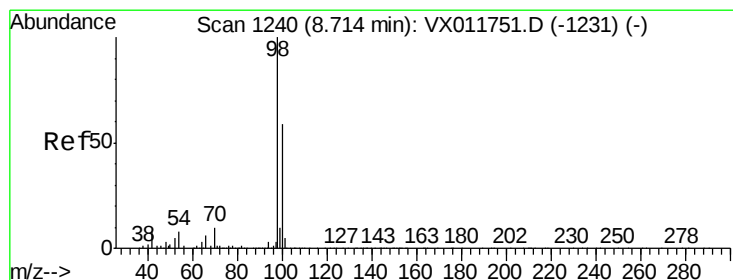
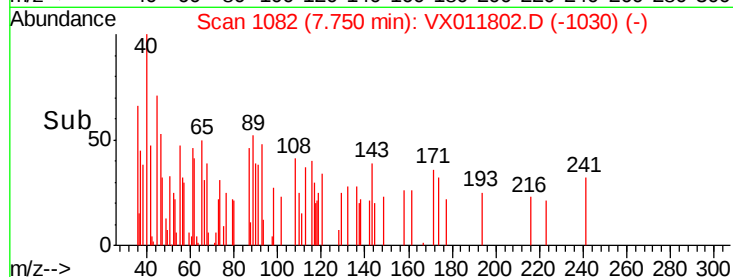
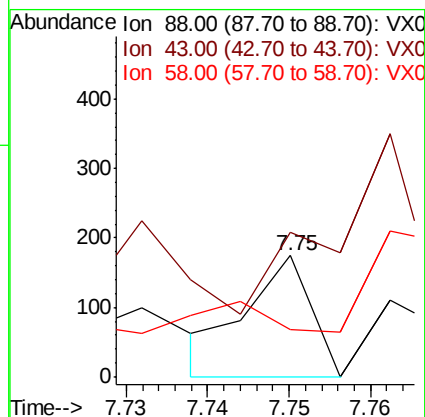
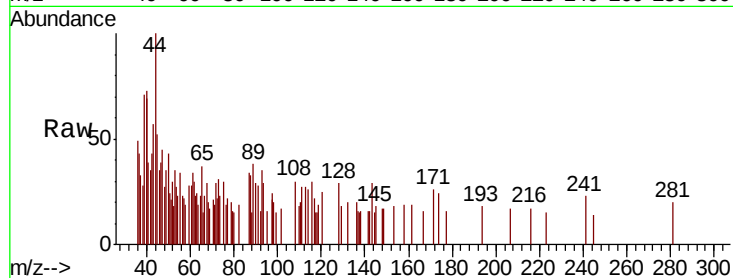




#49
1,4-Dioxane
Concen: 0.792 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.02 min
Lab File: VX011802.D
Acq: 23 Aug 2019 16:51

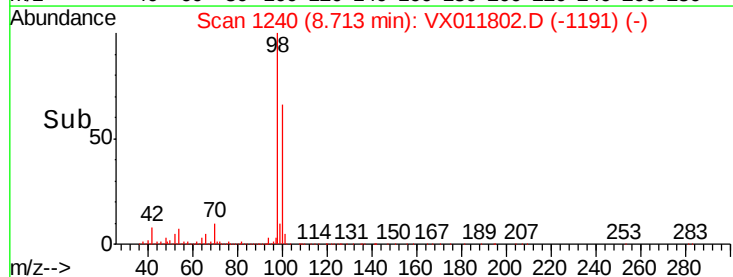
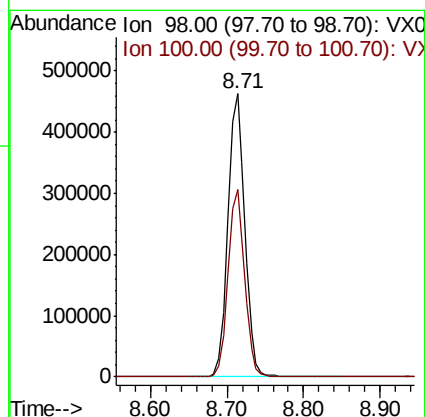
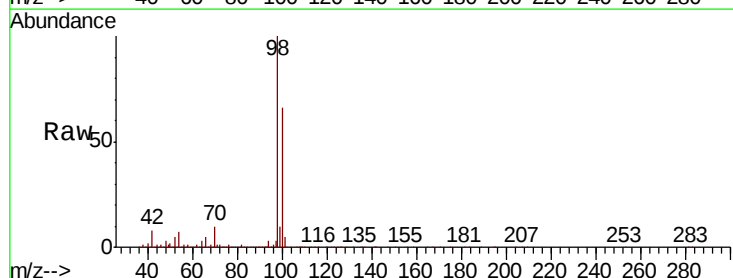
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

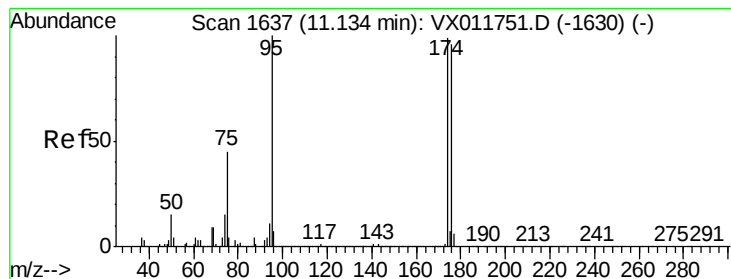
Tgt Ion: 88 Resp: 94
Ion Ratio Lower Upper
88 100
43 396.8 24.6 37.0#
58 541.5 51.4 77.2#



#50
Toluene-d8
Concen: 48.766 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011802.D
Acq: 23 Aug 2019 16:51

Tgt Ion: 98 Resp: 704526
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 41.494 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011802.D

Acq: 23 Aug 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

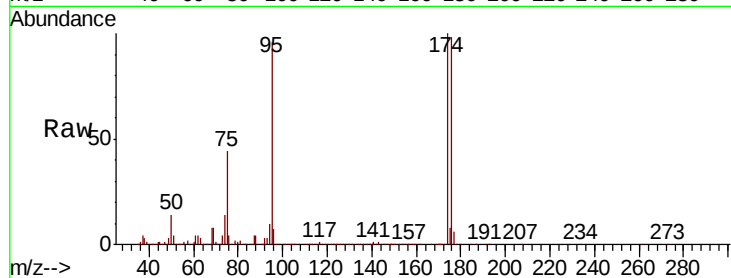
Tgt Ion: 95 Resp: 236944

Ion Ratio Lower Upper

95 100

174 107.2 0.0 197.4

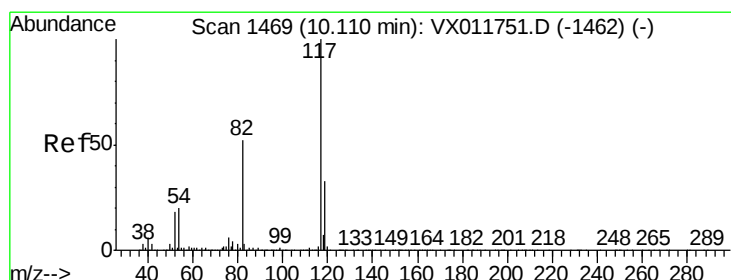
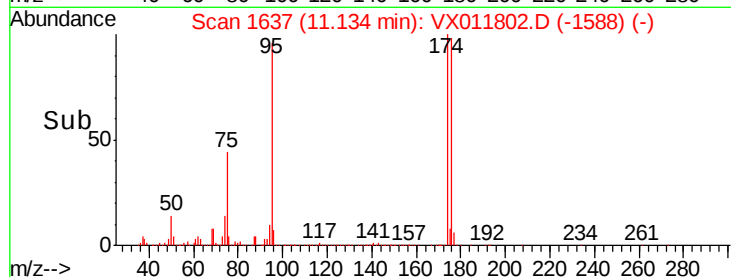
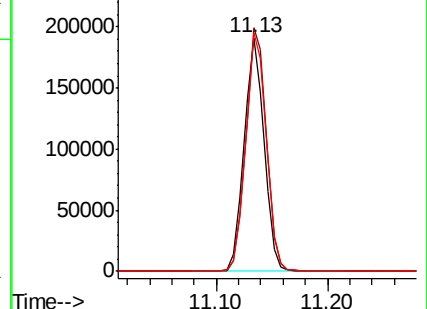
176 104.8 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX011751.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX011751.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX011751.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011802.D

Acq: 23 Aug 2019 16:51

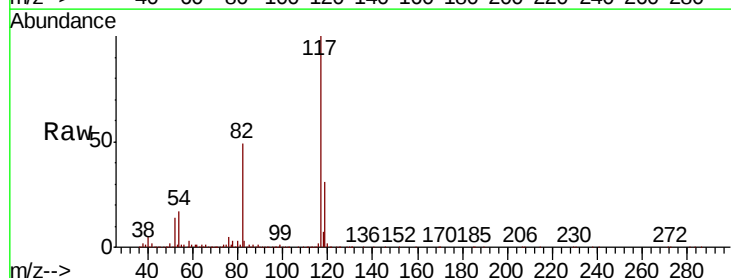
Tgt Ion: 117 Resp: 559414

Ion Ratio Lower Upper

117 100

82 49.0 41.7 62.5

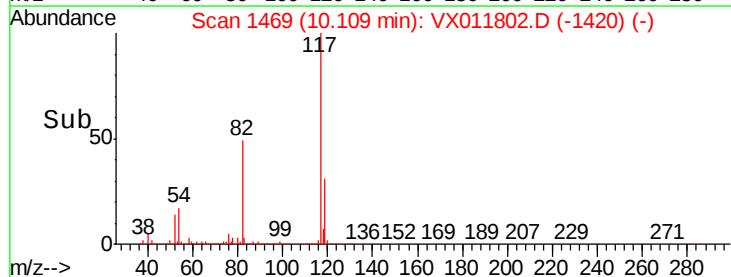
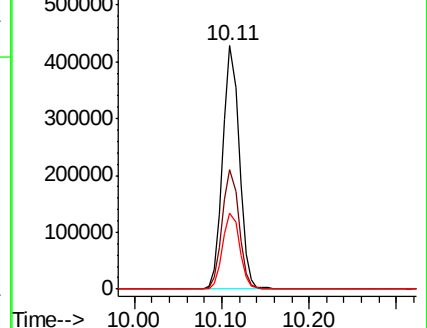
119 31.3 26.2 39.2

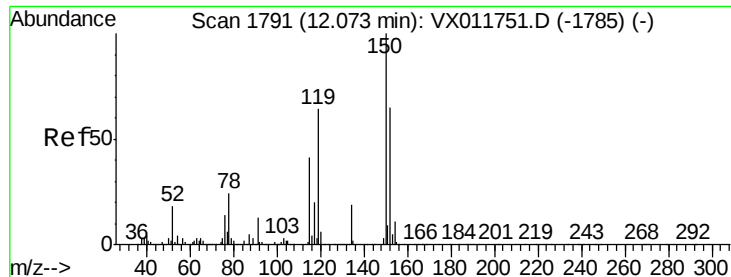


Abundance Ion 116.90 (116.60 to 117.60): VX011751.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX011751.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX011751.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011802.D

Acq: 23 Aug 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

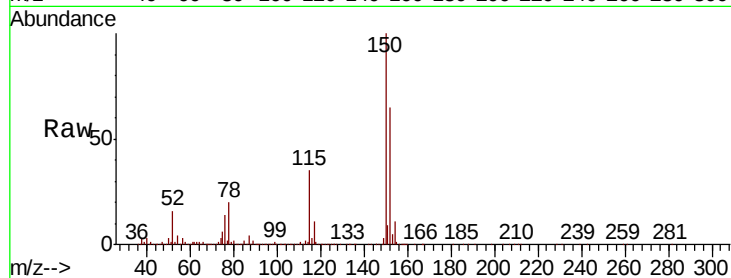
Tgt Ion: 152 Resp: 276004

Ion Ratio Lower Upper

152 100

115 52.7 37.3 111.8

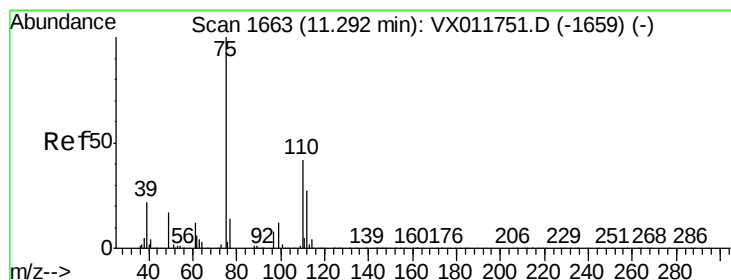
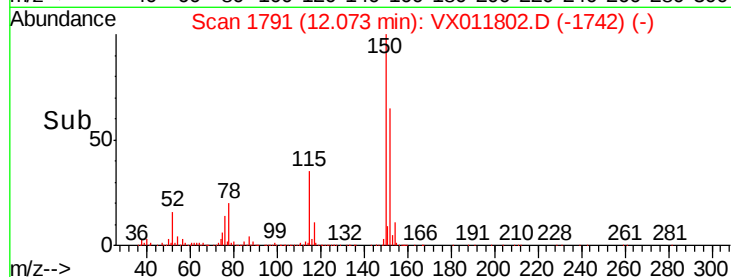
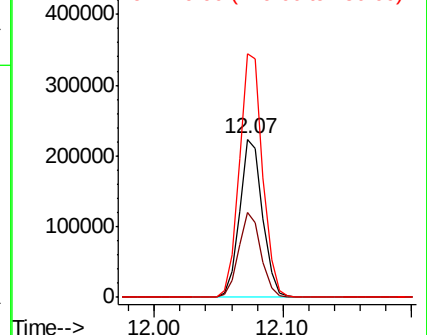
150 157.1 0.0 343.0



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: 21.567 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011802.D

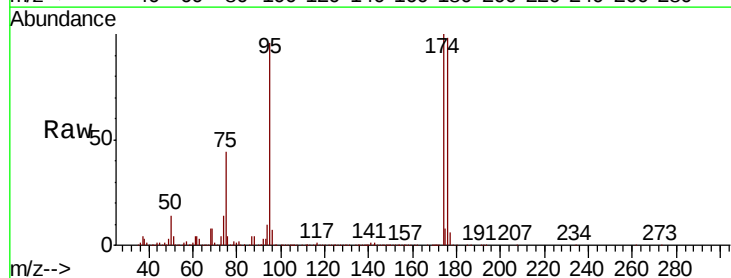
Acq: 23 Aug 2019 16:51

Tgt Ion: 75 Resp: 104448

Ion Ratio Lower Upper

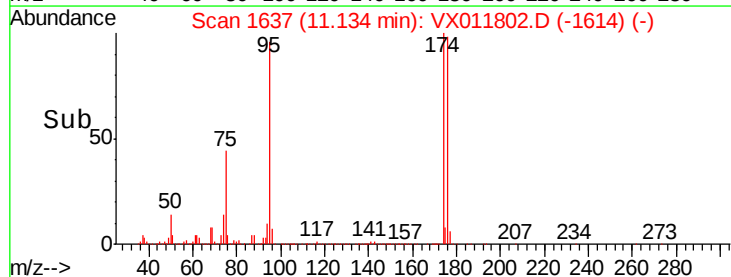
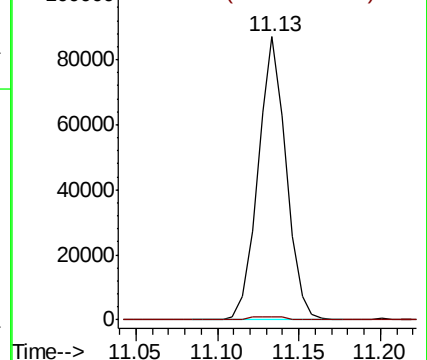
75 100

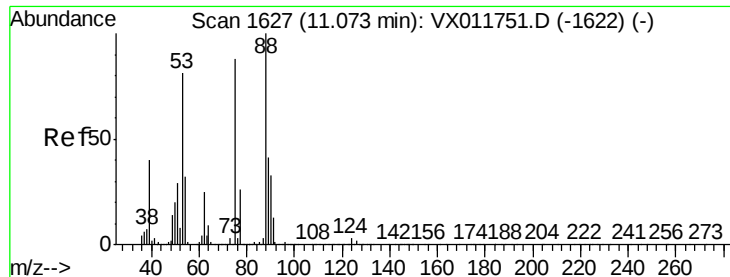
77 1.7 21.1 63.3#



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: 65.041 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011802.D

Acq: 23 Aug 2019 16:51

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 75 Resp: 104448

Ion Ratio Lower Upper

75 100

53 0.3 77.1 115.7#

89 0.0 38.5 57.7#

