

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063769.D
 Acq On : 1 Oct 2020 14:10
 Operator : JC/MD
 Sample : L4168-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 02 02:14:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	226960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	409944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	416185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175895	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	191226	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	7.55	113	137506	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	10.06	98	525944	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.38	95	210651	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	

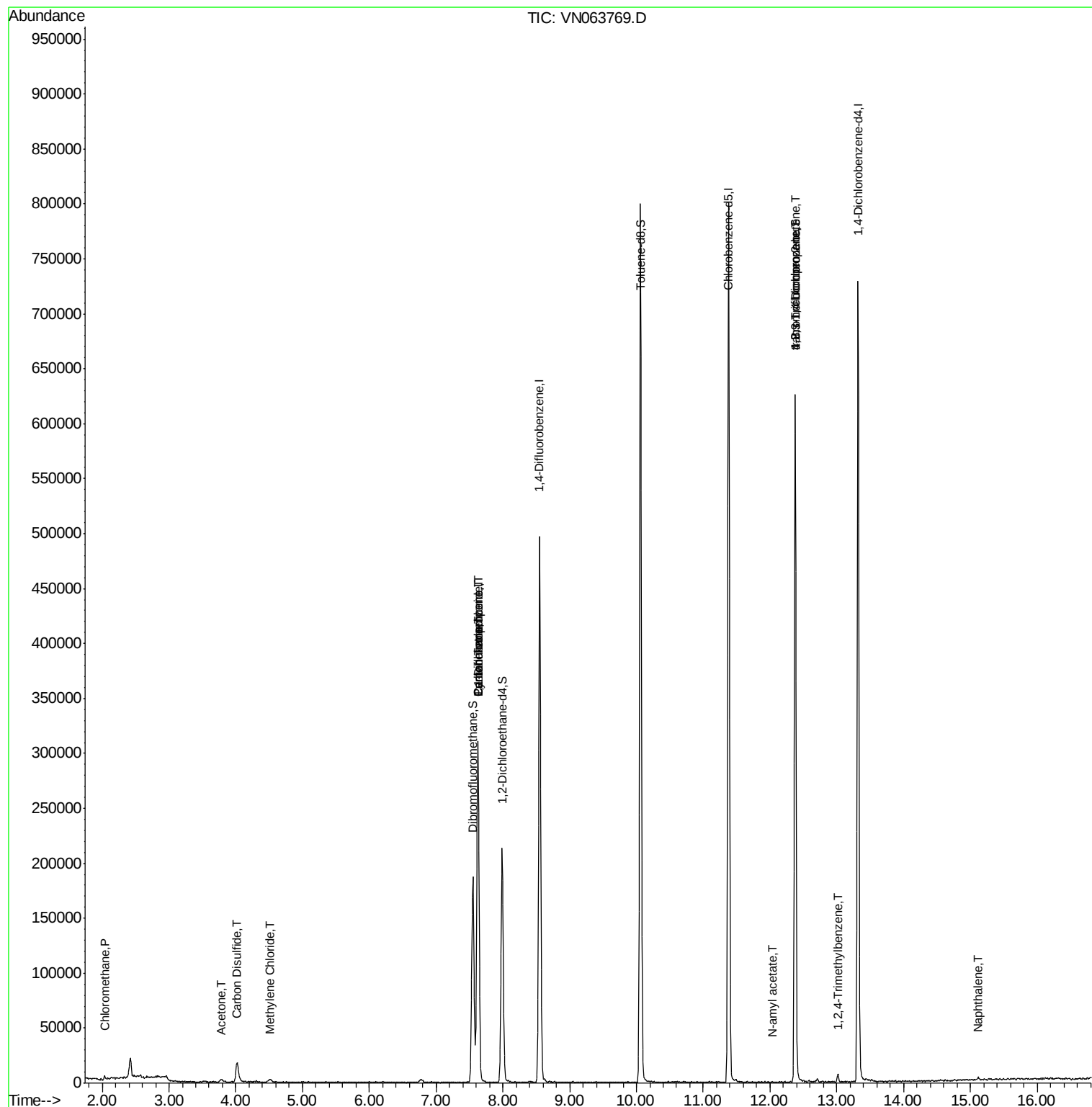
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2373	0.844	ug/l	93
16) Acetone	3.78	43	2193	1.900	ug/l	97
17) Carbon Disulfide	4.02	76	405	0.765	ug/l #	76
20) Methylene Chloride	4.50	84	567	0.312	ug/l #	49
31) Cyclohexane	7.62	56	6724	1.545	ug/l #	42
36) 1,1-Dichloropropene	7.62	75	21208	5.107	ug/l #	51
38) Carbon Tetrachloride	7.63	117	25670	5.512	ug/l #	14
74) N-amyl acetate	12.05	43	121	2.235	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	119757	30.886	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	119757	88.956	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.02	105	4433	0.413	ug/l	88
95) Naphthalene	15.11	128	2626	2.190	ug/l #	90

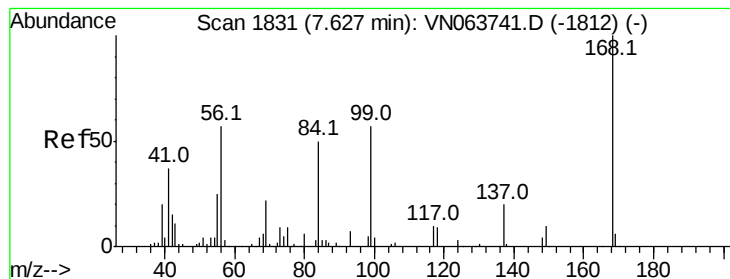
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063769.D

Acq: 1 Oct 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

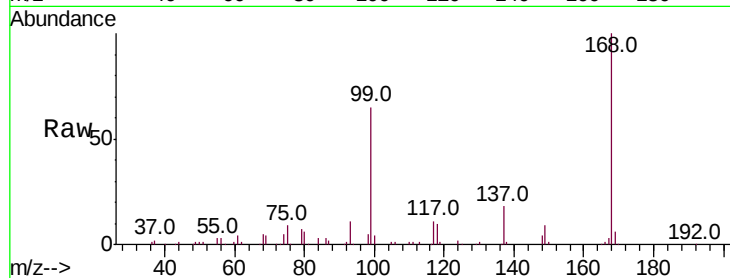
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 226960

Ion Ratio Lower Upper

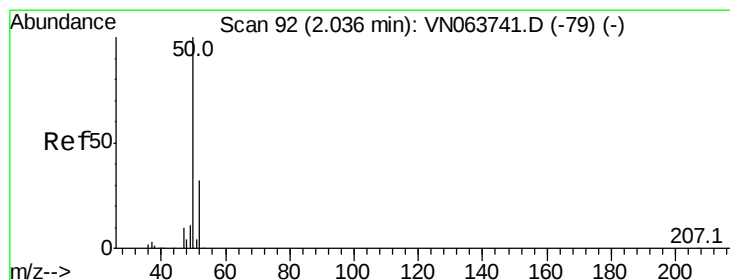
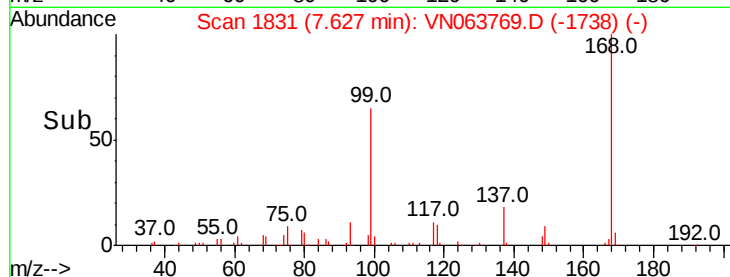
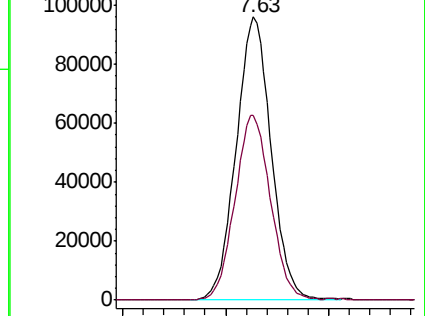
168 100

99 65.3 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.844 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063769.D

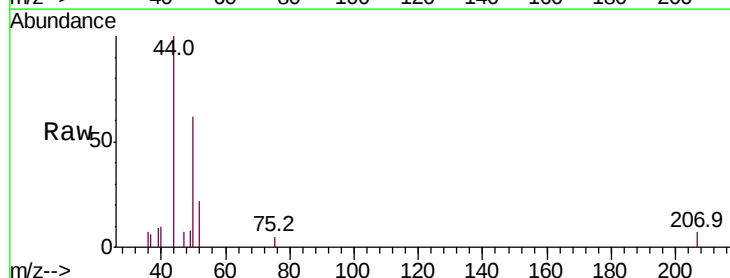
Acq: 1 Oct 2020 14:10

Tgt Ion: 50 Resp: 2373

Ion Ratio Lower Upper

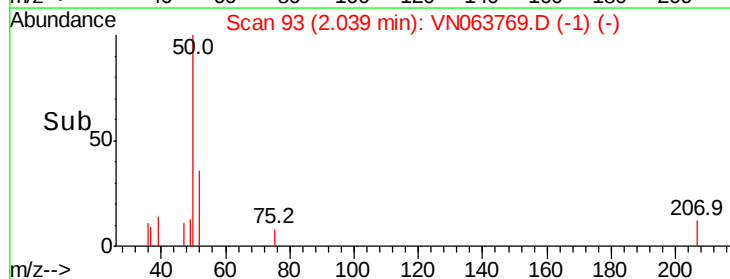
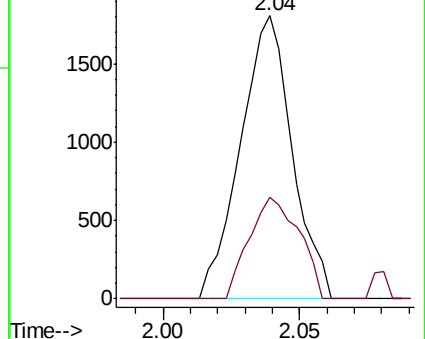
50 100

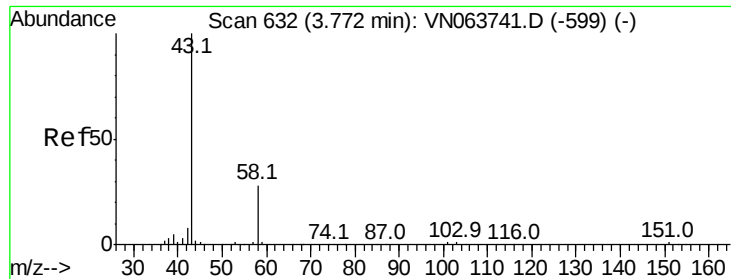
52 36.1 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#16

Acetone

Concen: 1.900 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063769.D

Acq: 1 Oct 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

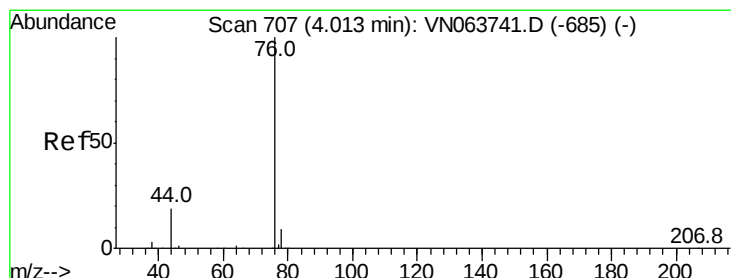
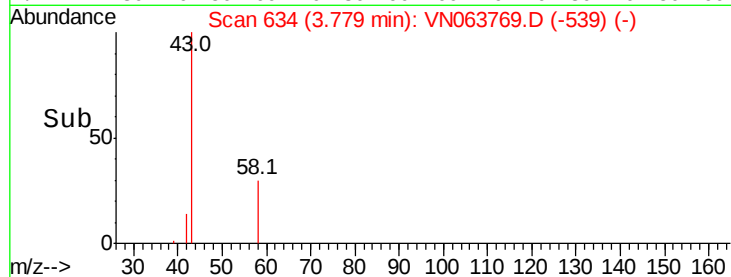
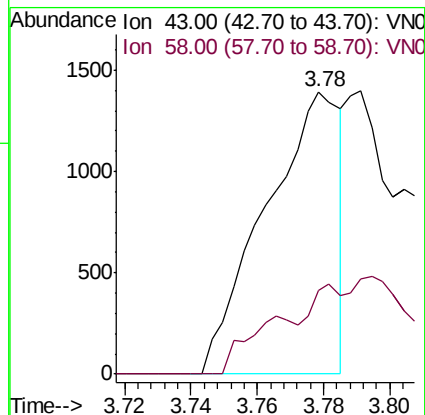
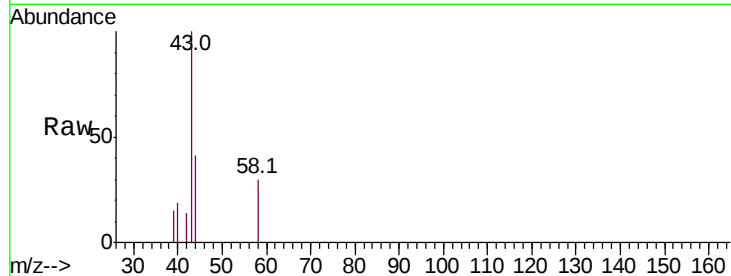
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 2193

Ion Ratio Lower Upper

43 100

58 29.5 22.3 33.5



#17

Carbon Disulfide

Concen: 0.765 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063769.D

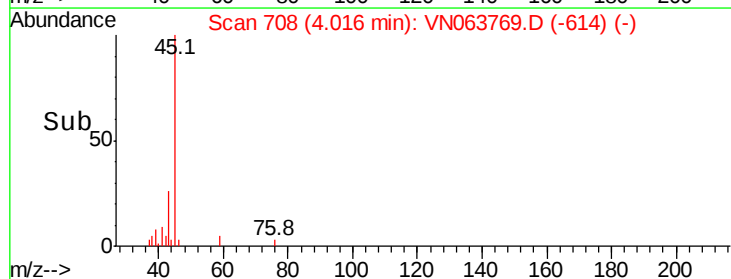
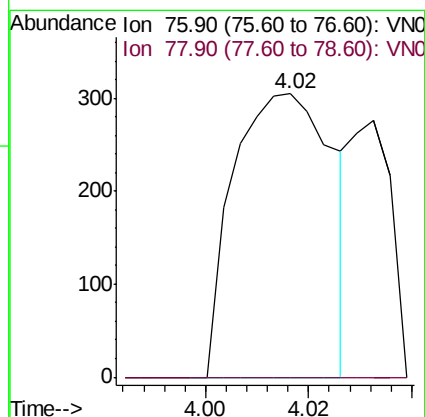
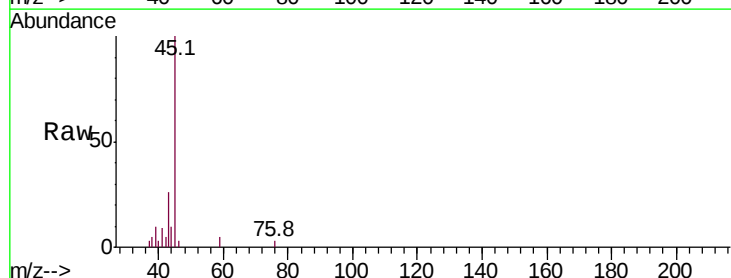
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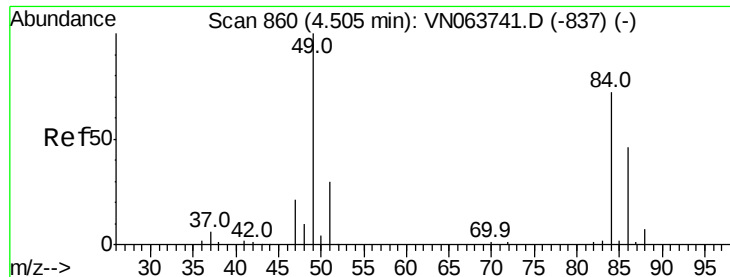
Tgt Ion: 76 Resp: 405

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

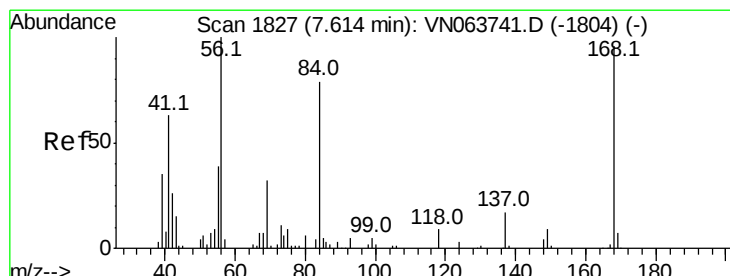
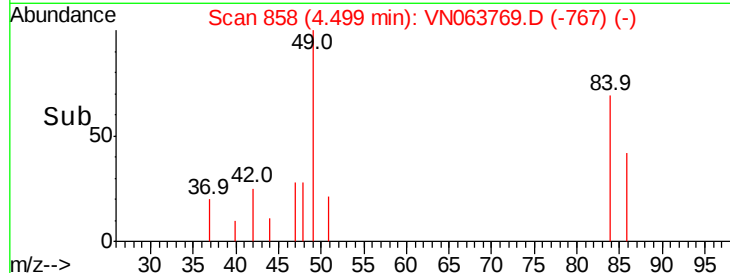
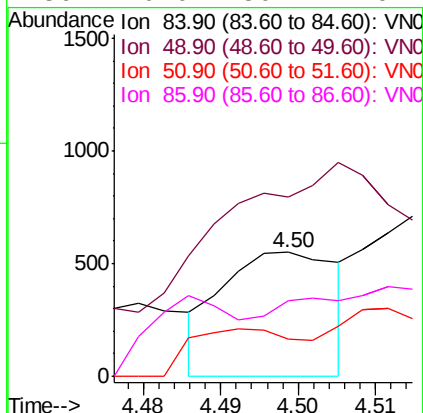
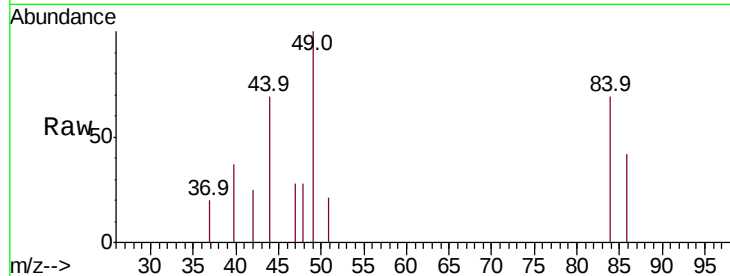




#20
Methvlene Chloride
Concen: 0.312 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN063769.D
Acq: 1 Oct 2020 14:10

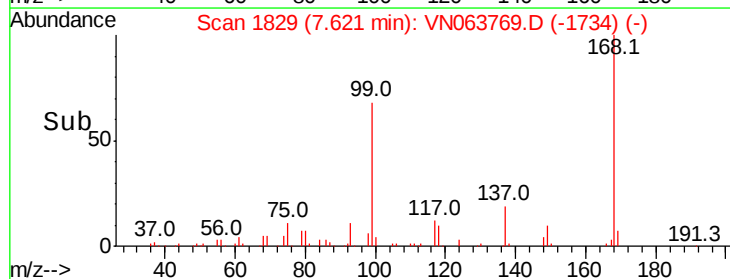
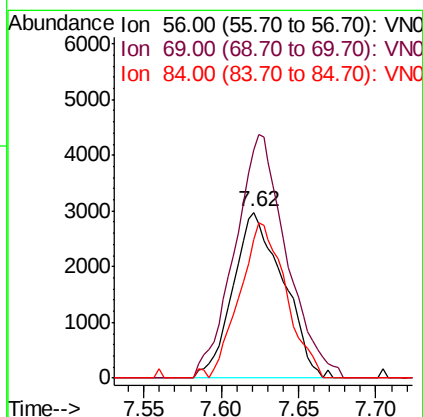
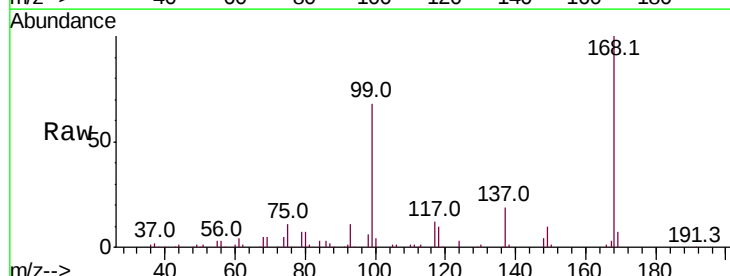
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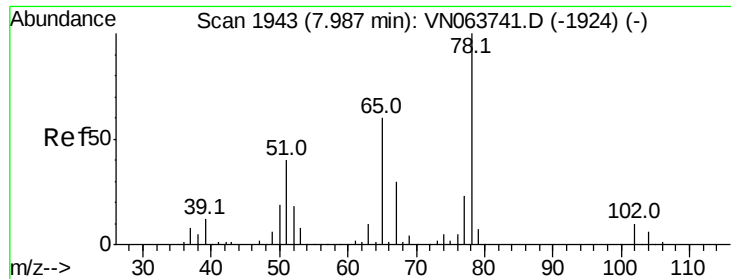
Tot Ion: 84 Resp: 567
Ion Ratio Lower Upper
84 100
49 98.9 110.4 165.6#
51 0.0 33.3 49.9#
86 0.0 50.7 76.1#



#31
Cyclohexane
Concen: 1.545 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063769.D
Acq: 1 Oct 2020 14:10

Tgt Ion: 56 Resp: 6724
Ion Ratio Lower Upper
56 100
69 137.5 25.4 38.2#
84 83.5 63.3 94.9

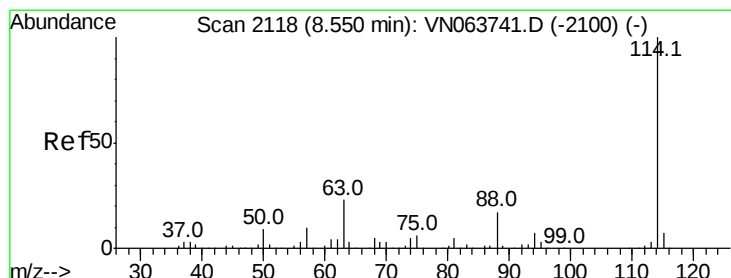
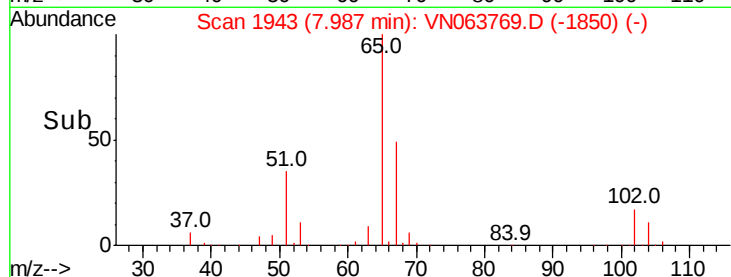
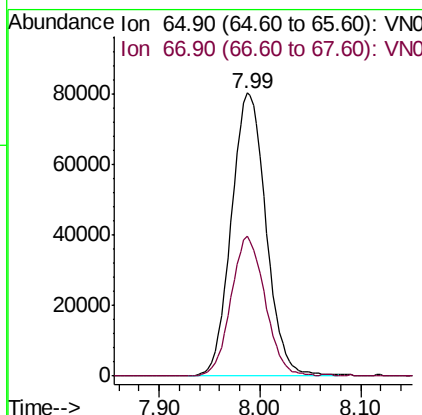
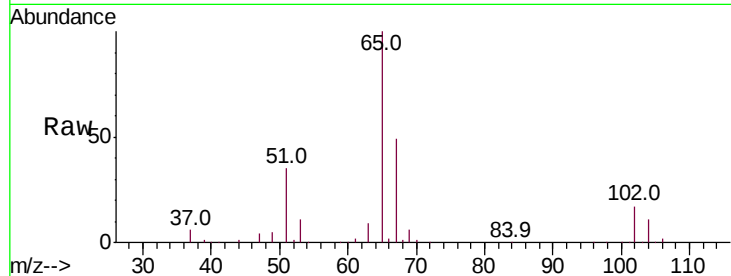




#33
 1,2-Dichloroethane-d4
 Concen: 51.000 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063769.D
 Acq: 1 Oct 2020 14:10

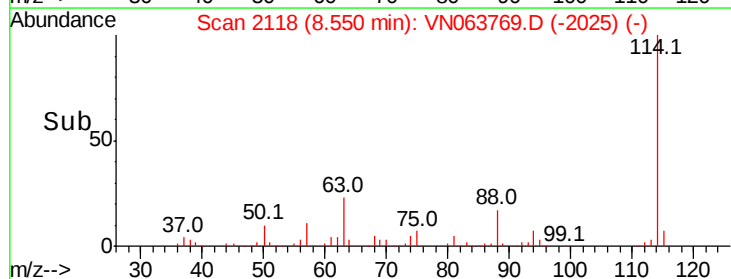
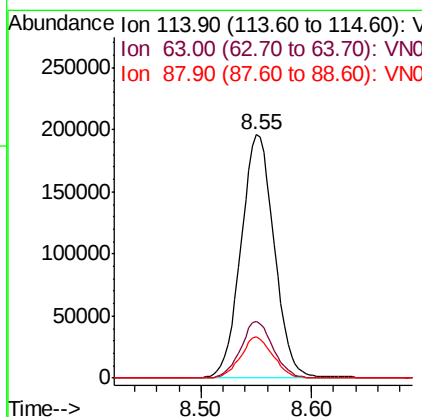
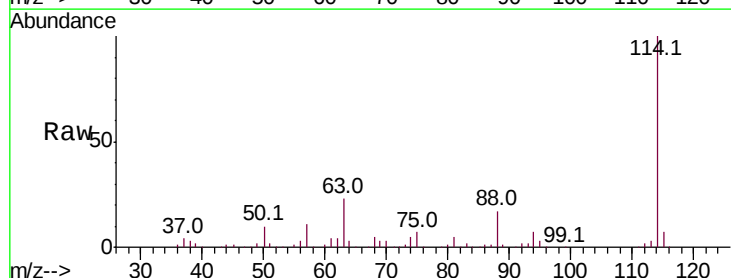
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

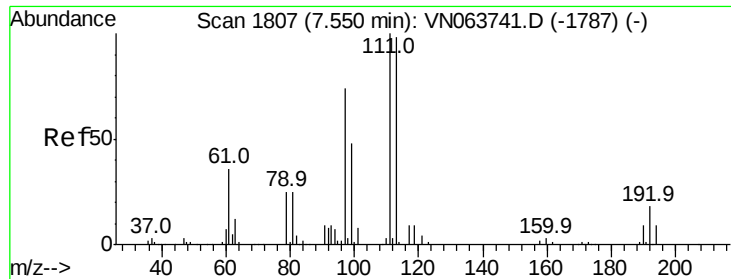
Tot Ion: 65 Resp: 191226
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063769.D
 Acq: 1 Oct 2020 14:10

Tgt Ion: 114 Resp: 409944
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.0
 88 16.8 0.0 34.0

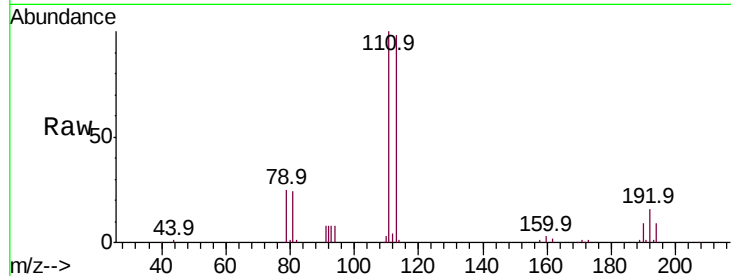




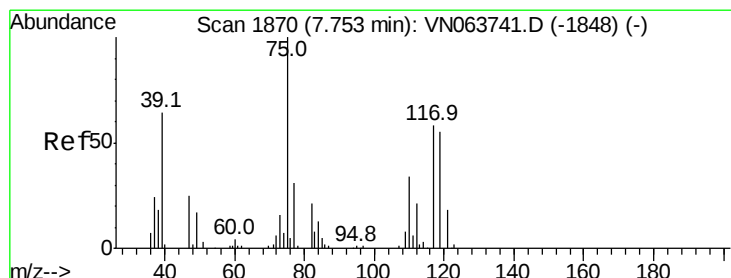
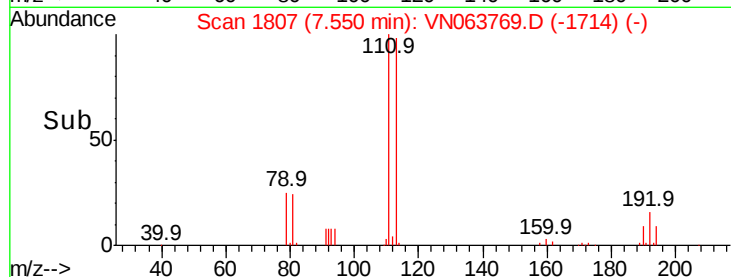
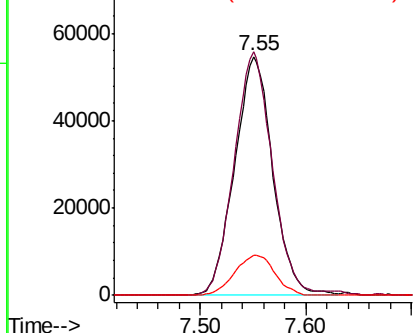
#35
 Dibromofluoromethane
 Concen: 48.341 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063769.D
 Acq: 1 Oct 2020 14:10

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

Tot Ion:113 Resp: 137506
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.8 122.8
 192 17.8 14.2 21.2

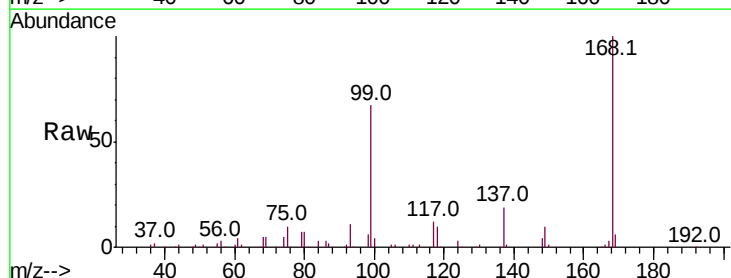


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

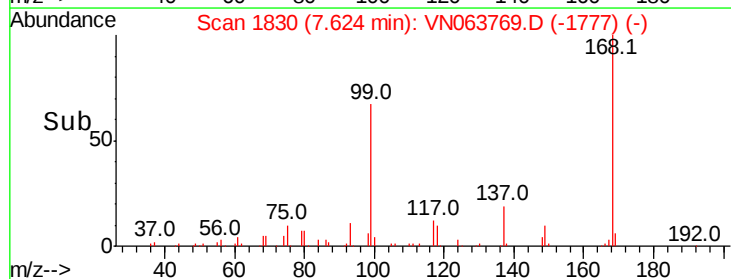
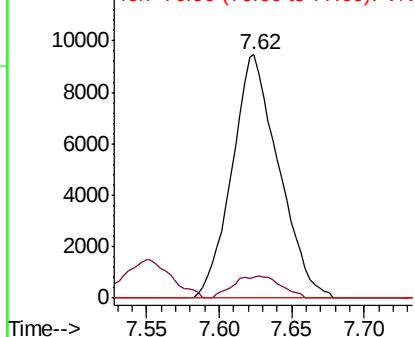


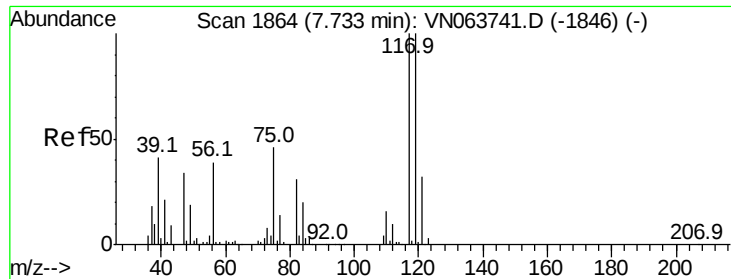
#36
 1,1-Dichloropropene
 Concen: 5.107 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063769.D
 Acq: 1 Oct 2020 14:10

Tgt Ion: 75 Resp: 21208
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.6#
 77 0.0 24.5 36.7#



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

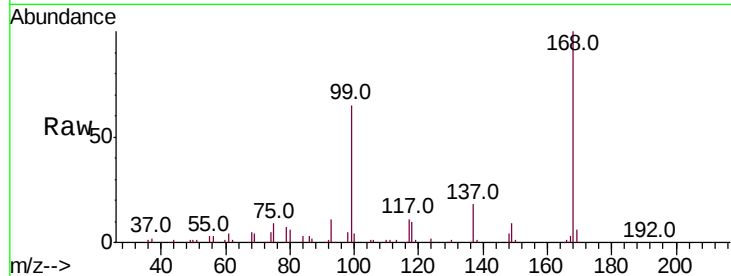




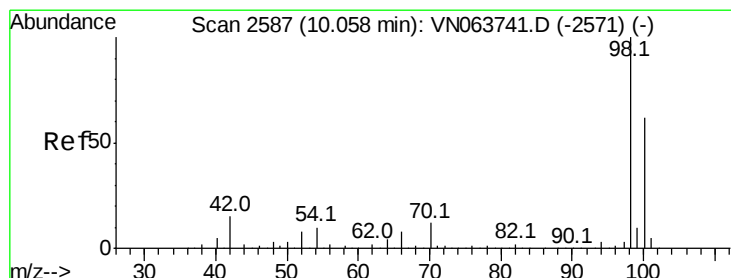
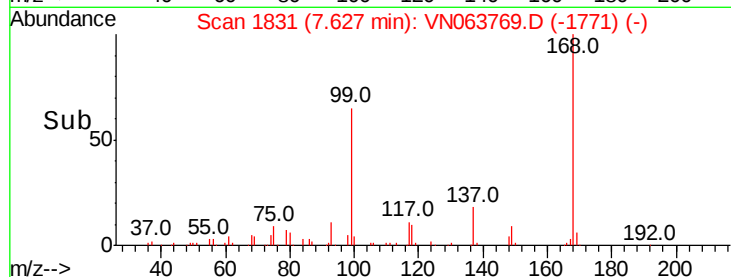
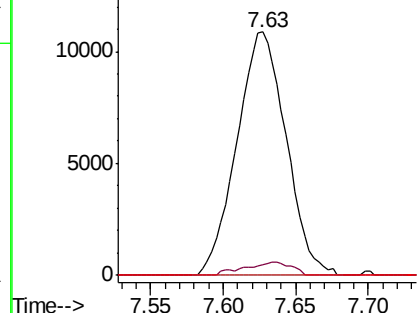
#38
Carbon Tetrachloride
Concen: 5.512 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063769.D
Acq: 1 Oct 2020 14:10

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion:117 Resp: 25670
Ion Ratio Lower Upper
117 100
119 4.5 80.1 120.1#
121 0.0 25.7 38.5#

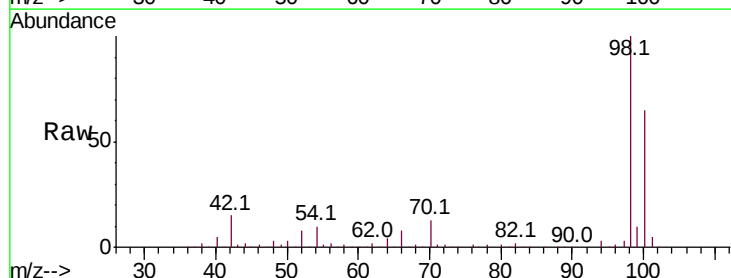


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

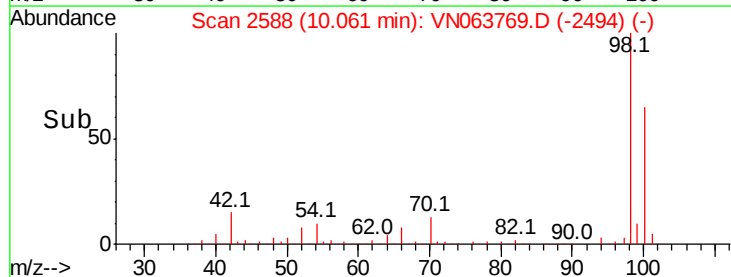
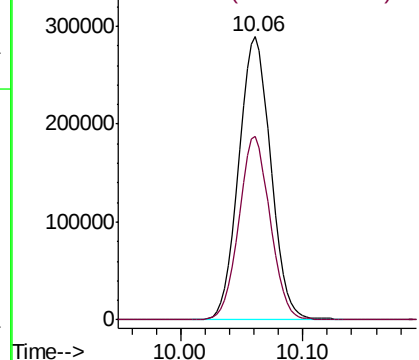


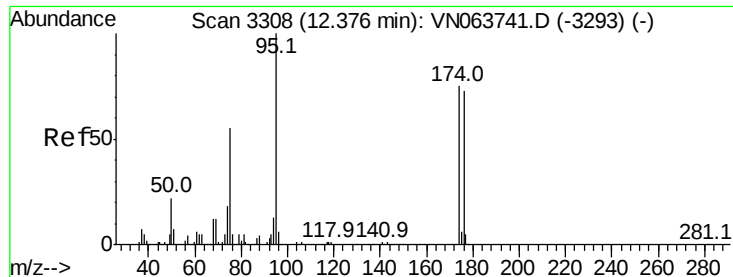
#50
Toluene-d8
Concen: 48.774 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063769.D
Acq: 1 Oct 2020 14:10

Tgt Ion: 98 Resp: 525944
Ion Ratio Lower Upper
98 100
100 63.3 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.967 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063769.D

Acq: 1 Oct 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

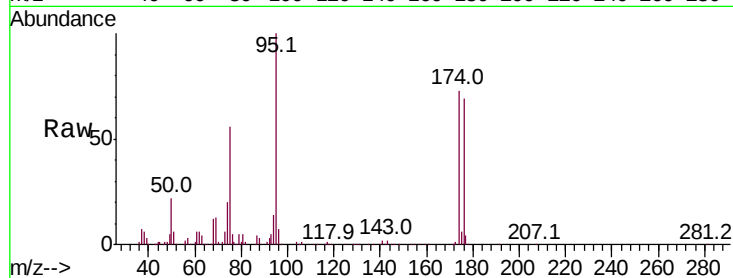
Tot Ion: 95 Resp: 210651

Ion Ratio Lower Upper

95 100

174 74.4 0.0 150.6

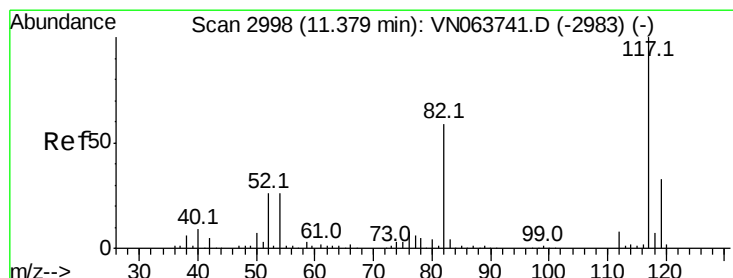
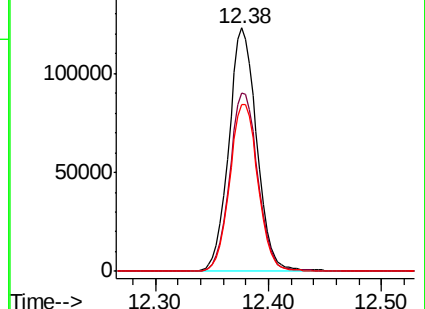
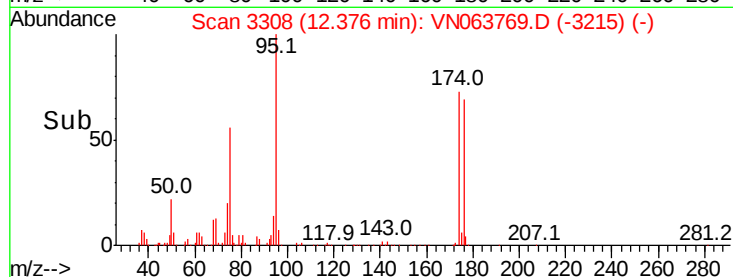
176 69.8 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063769.D (-2905) (-)

Ion 173.80 (173.50 to 174.50): VN063769.D (-2905) (-)

Ion 175.80 (175.50 to 176.50): VN063769.D (-2905) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063769.D

Acq: 1 Oct 2020 14:10

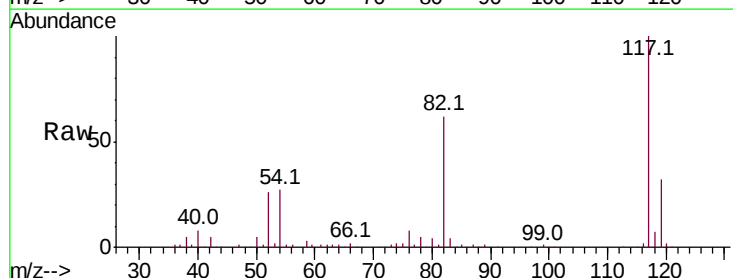
Tgt Ion: 117 Resp: 416185

Ion Ratio Lower Upper

117 100

82 61.7 47.4 71.2

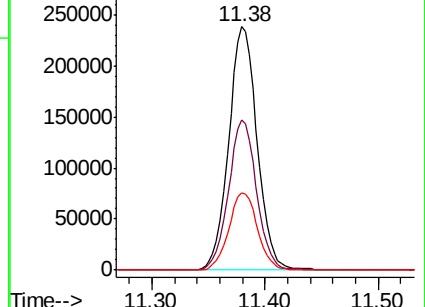
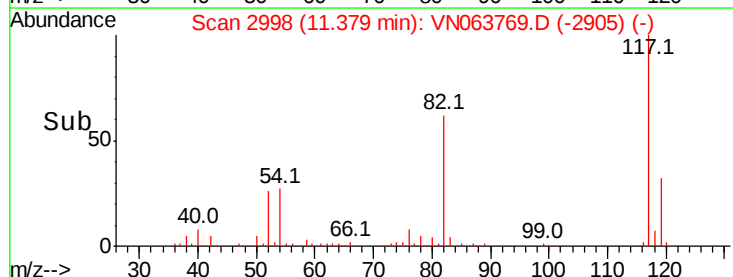
119 31.9 26.4 39.6

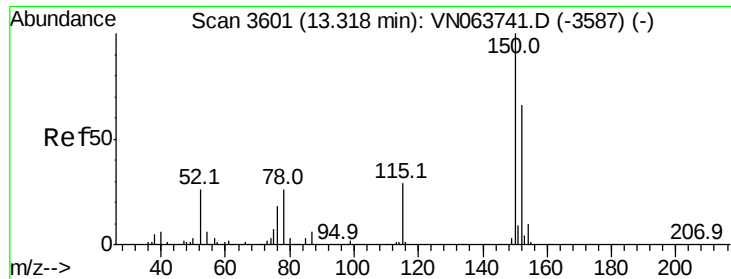


Abundance Ion 116.90 (116.60 to 117.60): VN063769.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063769.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063769.D (-2905) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063769.D

Acq: 1 Oct 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

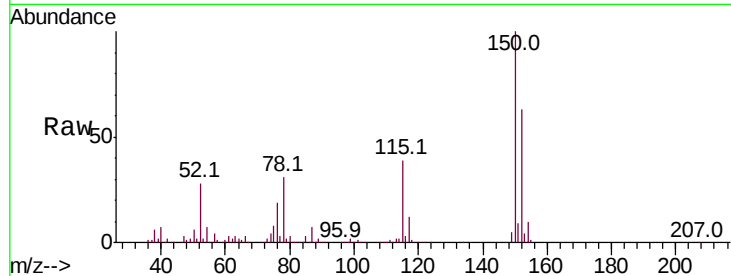
Tot Ion:152 Resp: 175895

Ion Ratio Lower Upper

152 100

115 65.4 31.3 93.8

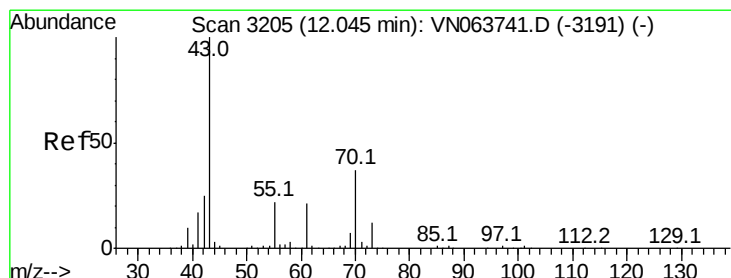
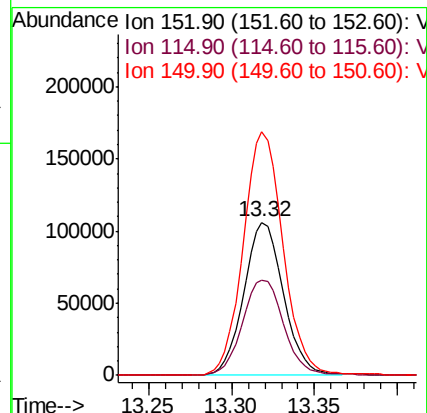
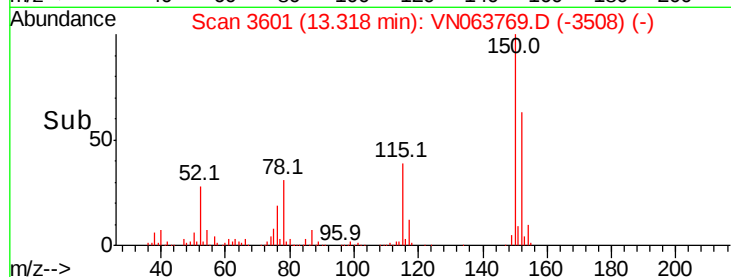
150 159.5 0.0 341.8



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



#74

N-ethyl acetate

Concen: 2.235 ug/l

RT: 12.05 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VN063769.D

Acq: 1 Oct 2020 14:10

Tgt Ion: 43 Resp: 121

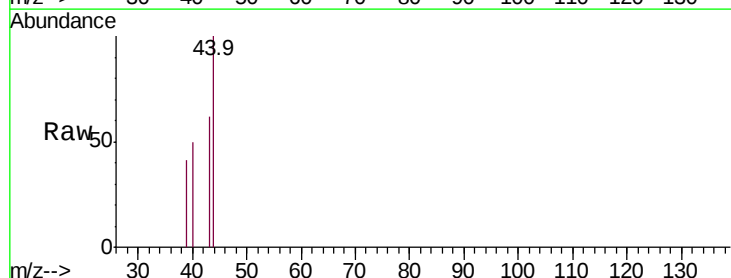
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

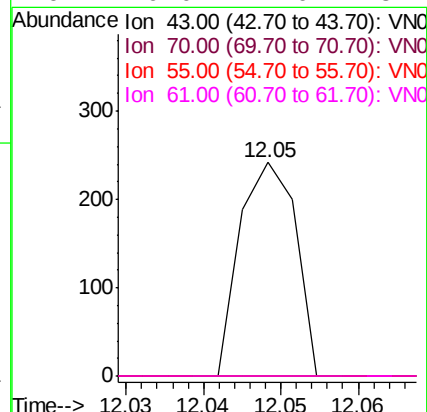
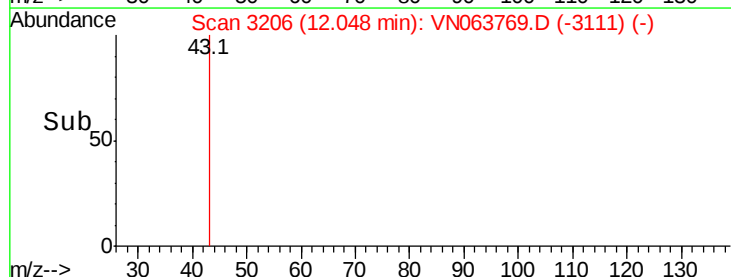


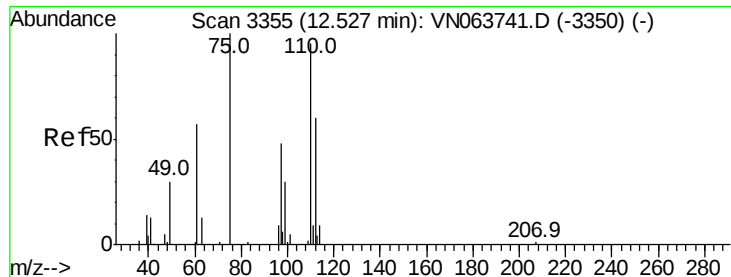
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 30.886 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063769.D

Acq: 1 Oct 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

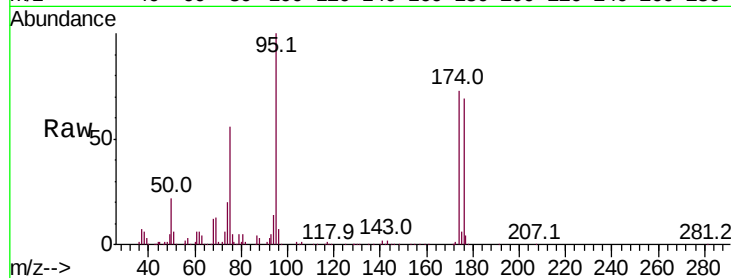
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 119757

Ion Ratio Lower Upper

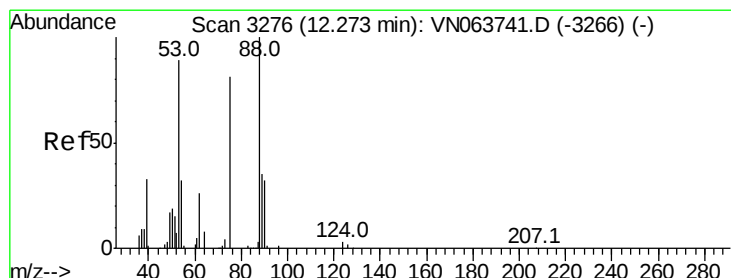
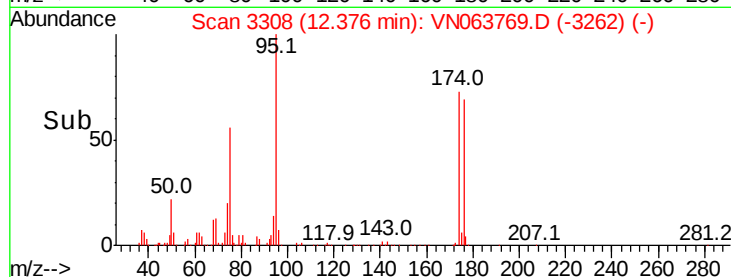
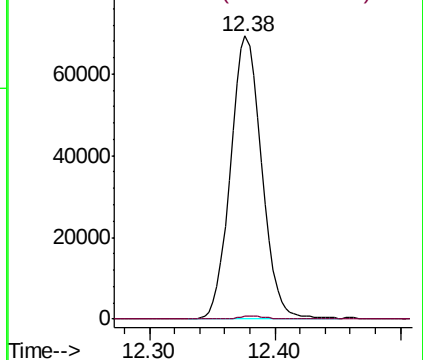
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 88.956 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063769.D

Acq: 1 Oct 2020 14:10

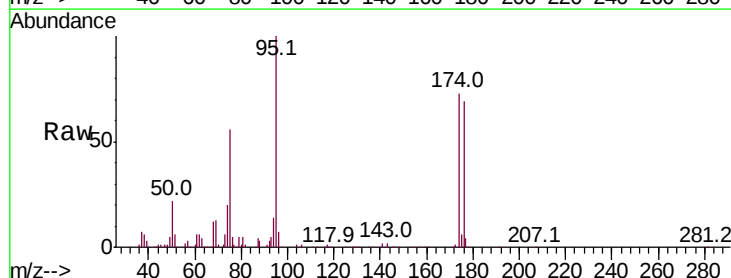
Tgt Ion: 75 Resp: 119757

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

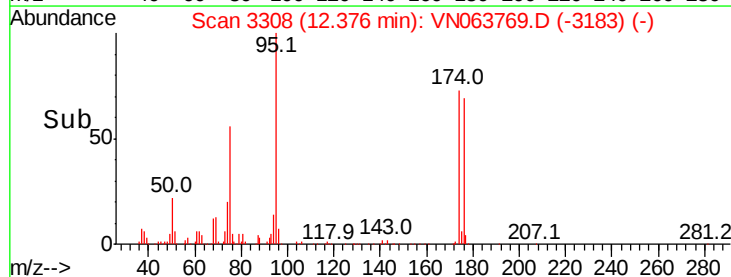
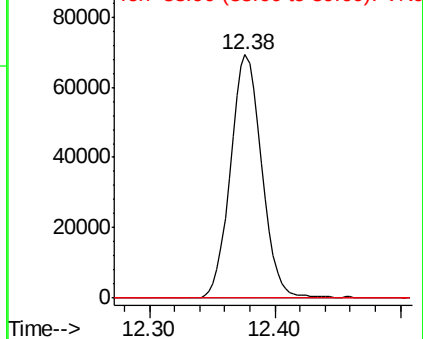
89 0.0 36.0 54.0#

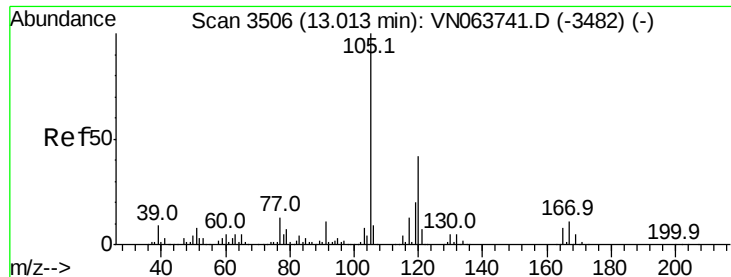


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.413 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN063769.D

Acq: 1 Oct 2020 14:10

Instrument :

MSVOA_N

ClientSampleId :

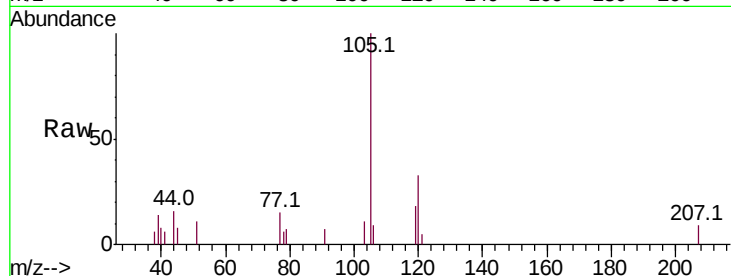
STORAGE-BLANK-SOIL-REF-6

Tot Ion:105 Resp: 4433

Ion Ratio Lower Upper

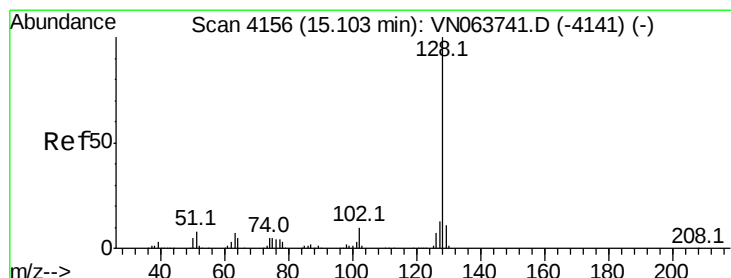
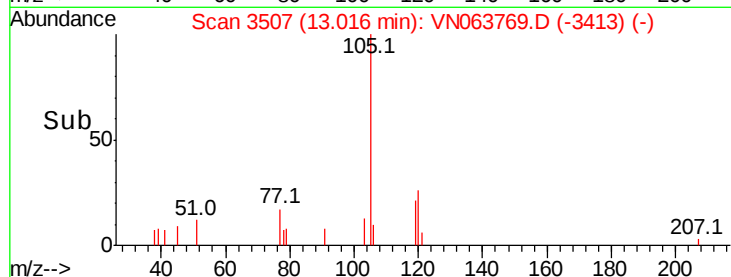
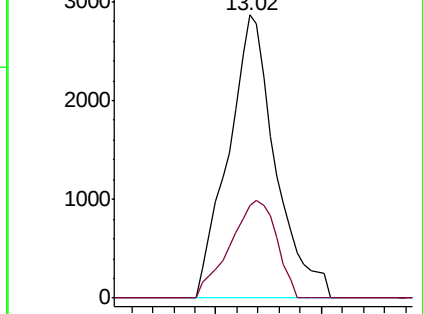
105 100

120 34.4 20.9 62.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 2.190 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN063769.D

Acq: 1 Oct 2020 14:10

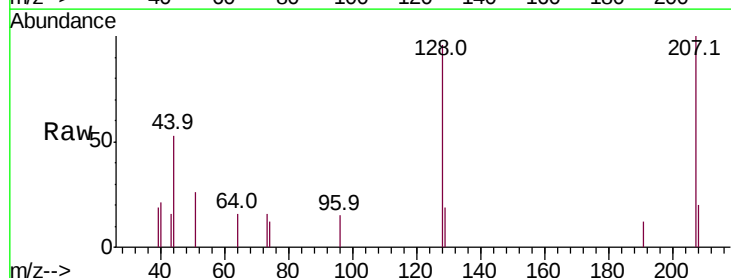
Tgt Ion:128 Resp: 2626

Ion Ratio Lower Upper

128 100

127 6.4 10.5 15.7#

129 9.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

