

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063249.D
 Acq On : 4 Sep 2020 15:49
 Operator : JC/MD
 Sample : L3887-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CONCRETE-PILE

Quant Time: Sep 07 01:30:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

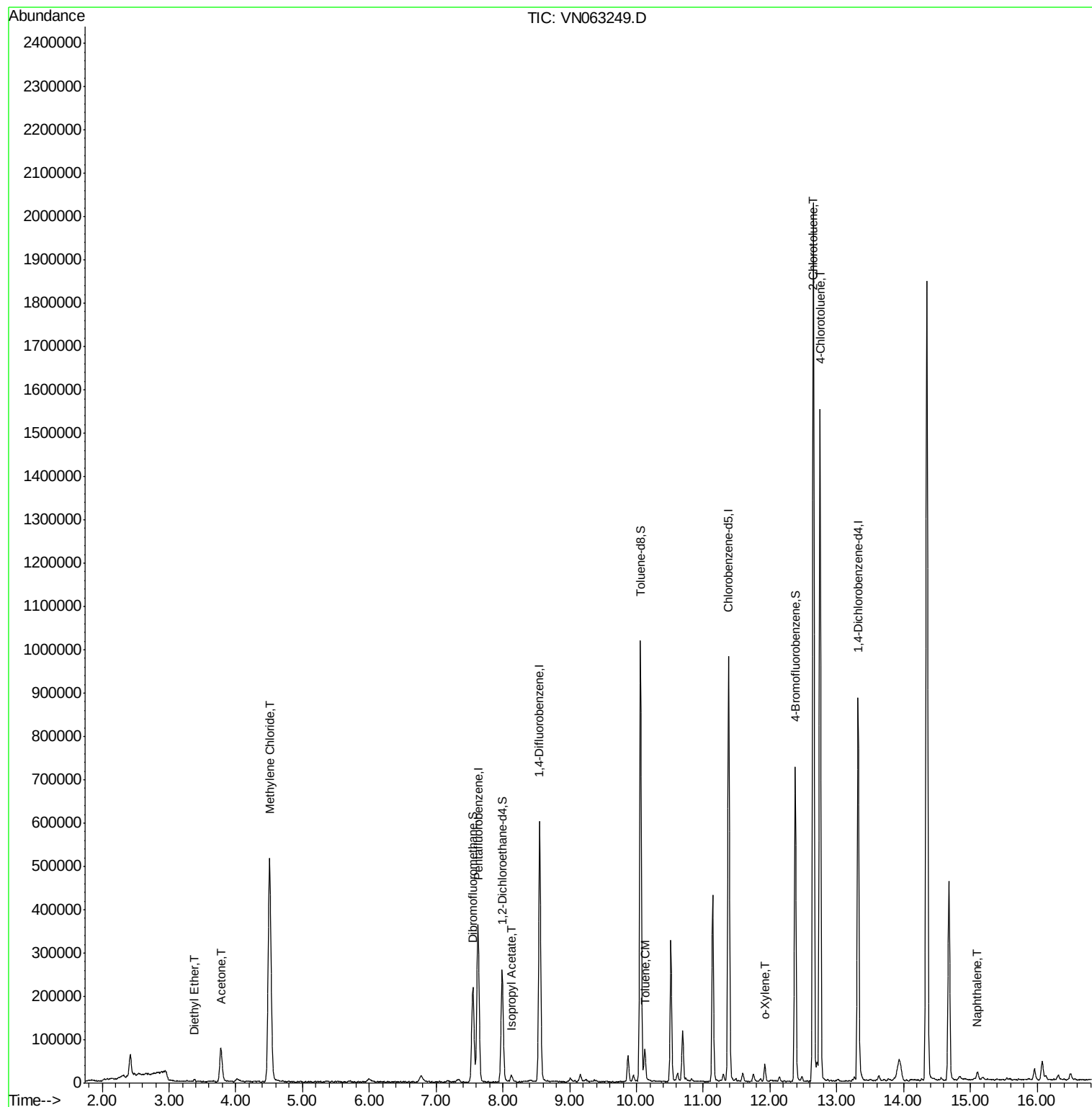
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	268604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	518101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	524552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	209138	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	214426	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.66%	
35) Dibromofluoromethane	7.55	113	166579	50.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.24%	
50) Toluene-d8	10.06	98	661144	51.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.38	95	220591	49.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.58%	
Target Compounds						
8) Diethyl Ether	3.38	74	2400	1.179	ug/l #	44
16) Acetone	3.78	43	135192	108.309	ug/l	98
20) Methylene Chloride	4.51	84	372063	106.564	ug/l	94
43) Isopropyl Acetate	8.13	43	18112	2.230	ug/l #	92
52) Toluene	10.13	92	29180	3.200	ug/l	95
69) o-Xylene	11.92	106	10484	1.520	ug/l	99
79) 2-Chlorotoluene	12.65	91	1101865	99.112	ug/l	98
82) 4-Chlorotoluene	12.75	91	869949	75.450	ug/l	100
95) Naphthalene	15.11	128	15651	1.298	ug/l #	93

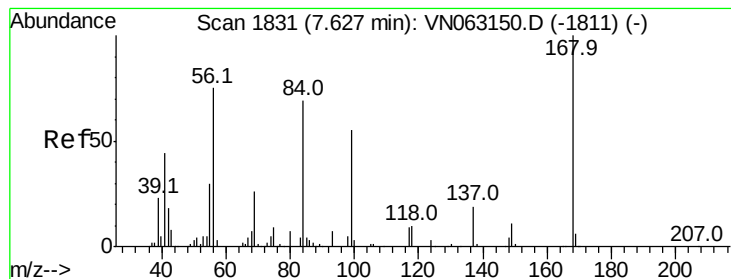
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 01 04:21:28 2020
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: VN063249.D

Acq: 4 Sep 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

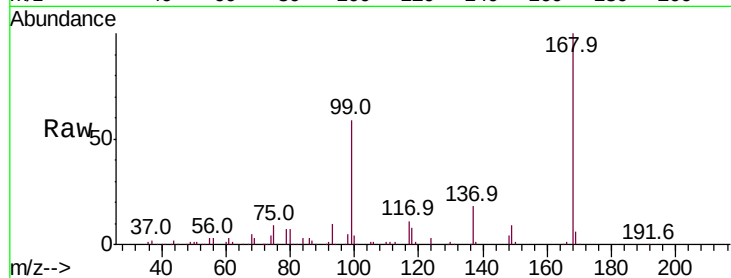
CONCRETE-PILE

Tot Ion:168 Resp: 268604

Ion Ratio Lower Upper

168 100

99 59.2 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN063150.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063150.D (-1811) (-)

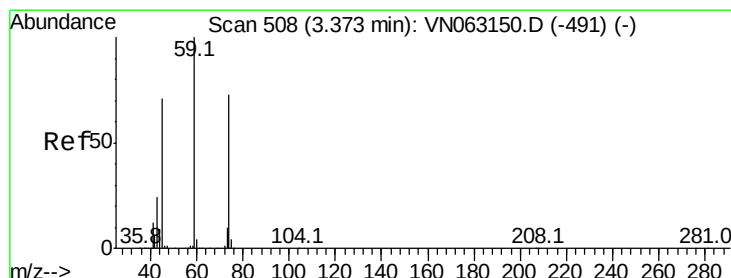
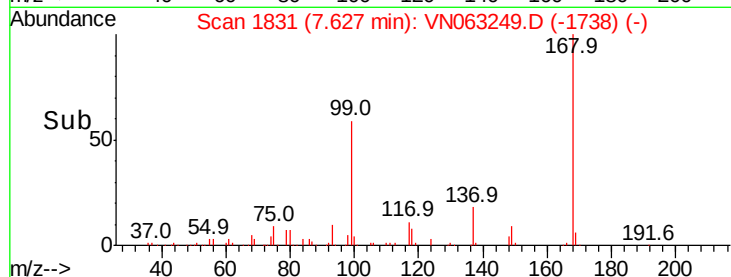
7.63

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.179 ug/l

RT: 3.38 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN063249.D

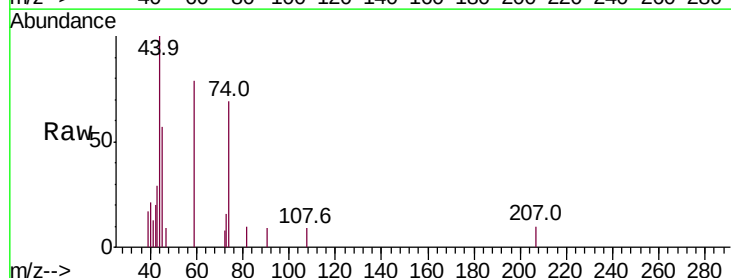
Acq: 4 Sep 2020 15:49

Tgt Ion: 74 Resp: 2400

Ion Ratio Lower Upper

74 100

45 42.8 49.5 148.5#



Abundance Ion 74.00 (73.70 to 74.70): VN063150.D (-491) (-)

Ion 45.00 (44.70 to 45.70): VN063150.D (-491) (-)

3.38

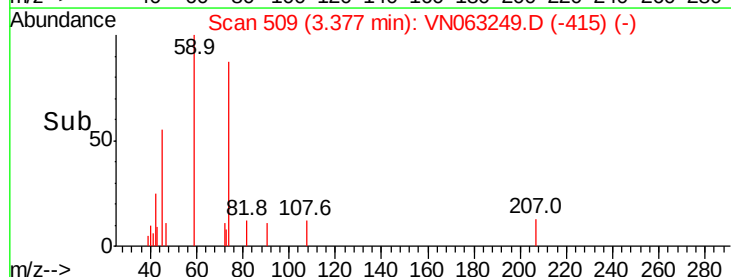
1500

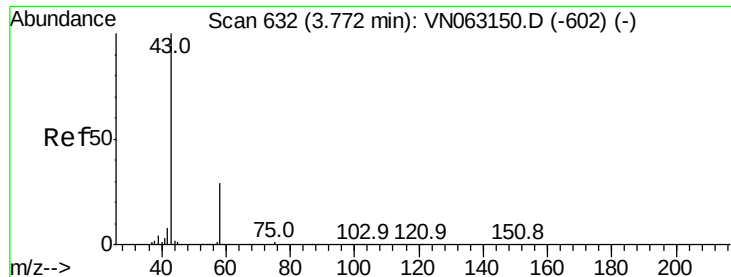
1000

500

0

Time-->





#16

Acetone

Concen: 108.309 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063249.D

Acq: 4 Sep 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

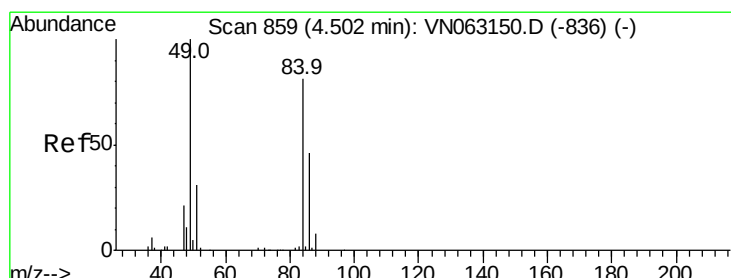
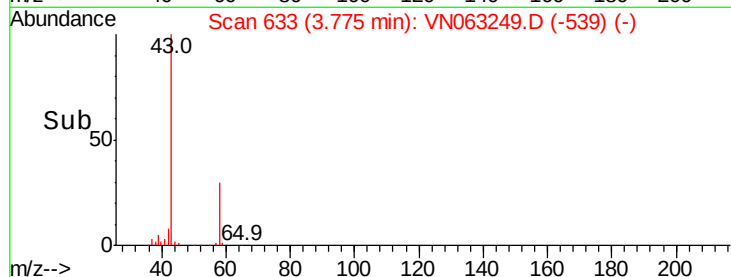
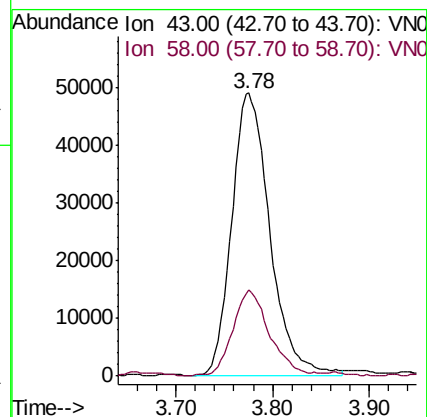
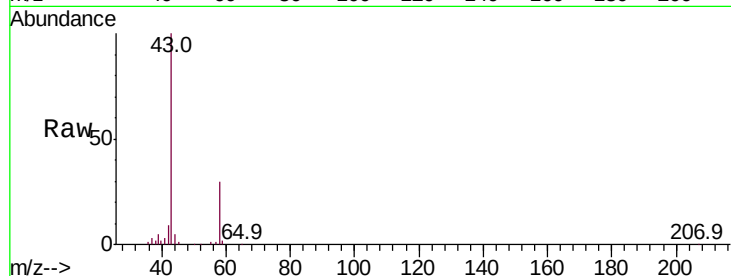
CONCRETE-PILE

Tot Ion: 43 Resp: 135192

Ion Ratio Lower Upper

43 100

58 29.9 23.1 34.7



#20

Methylene Chloride

Concen: 106.564 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN063249.D

Acq: 4 Sep 2020 15:49

Tgt Ion: 84 Resp: 372063

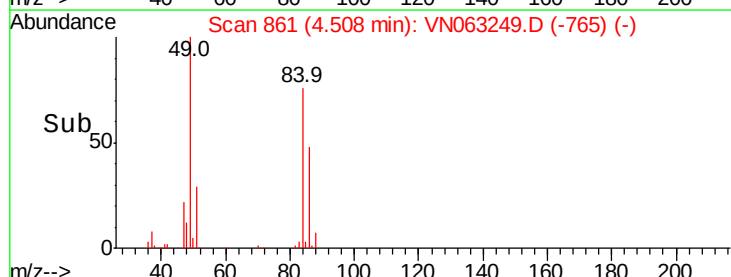
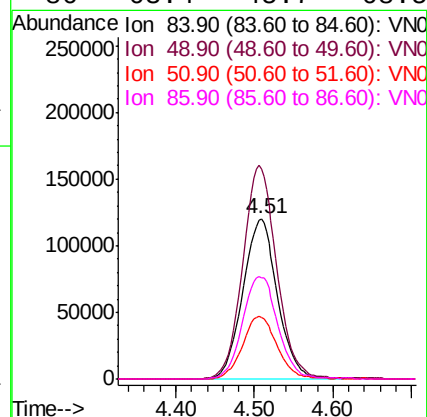
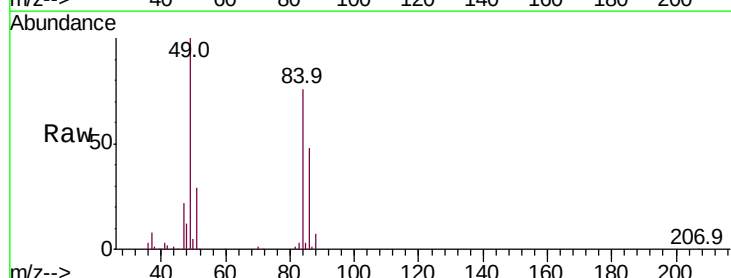
Ion Ratio Lower Upper

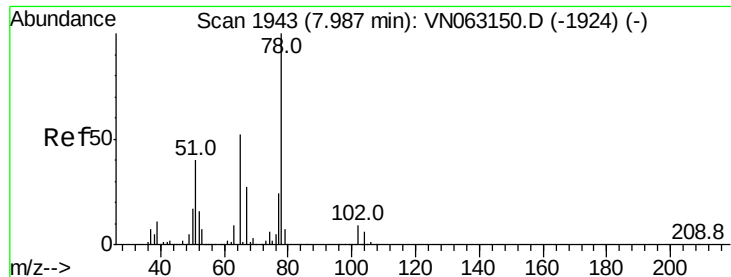
84 100

49 131.0 98.4 147.6

51 38.2 30.4 45.6

86 63.4 45.7 68.5

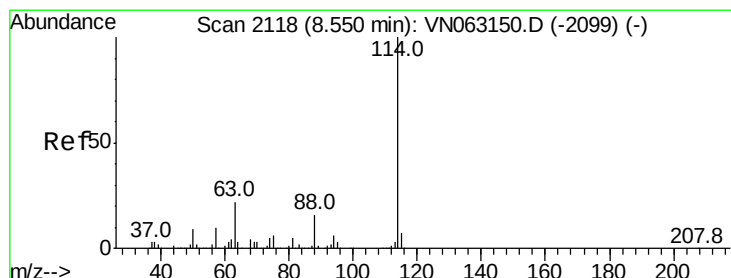
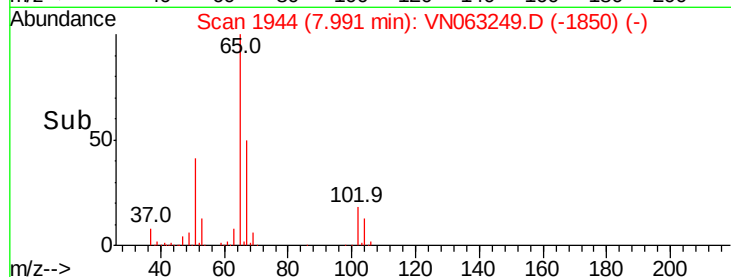
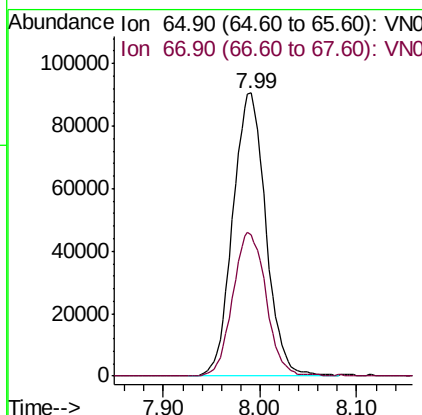
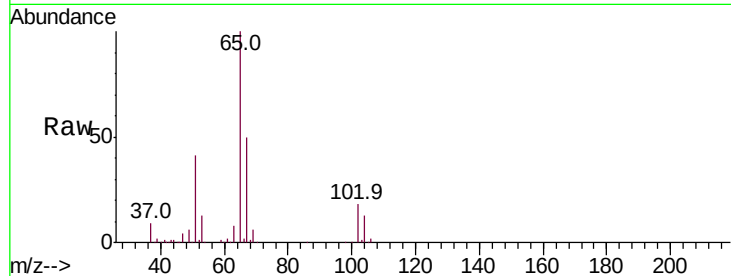




#33
 1,2-Dichloroethane-d4
 Concen: 48.834 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063249.D
 Acq: 4 Sep 2020 15:49

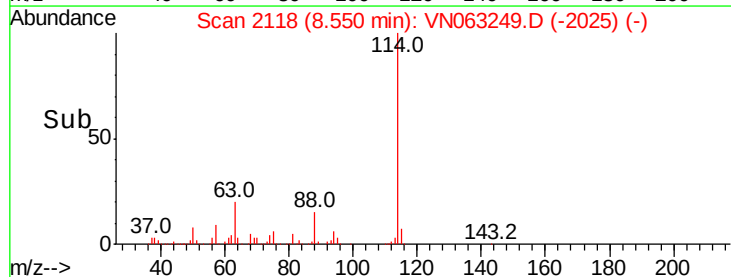
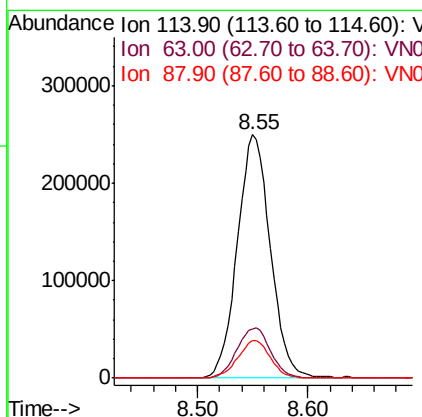
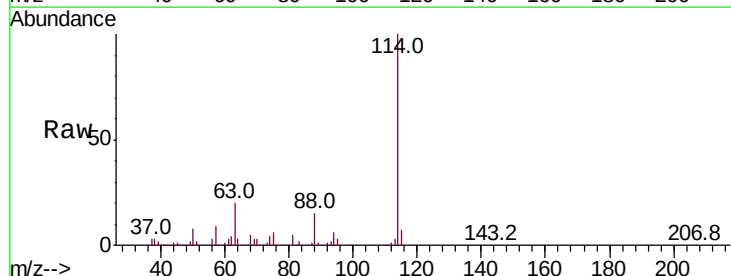
Instrument :
 MSVOA_N
 ClientSampleId :
 CONCRETE-PILE

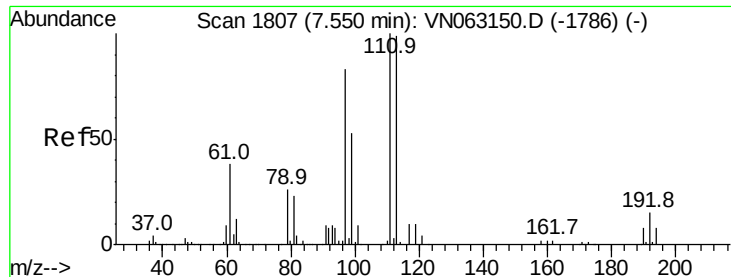
Tot Ion: 65 Resp: 214426
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063249.D
 Acq: 4 Sep 2020 15:49

Tgt Ion: 114 Resp: 518101
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 43.0
 88 15.3 0.0 31.6

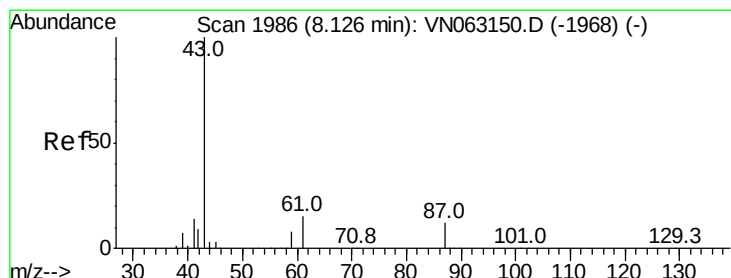
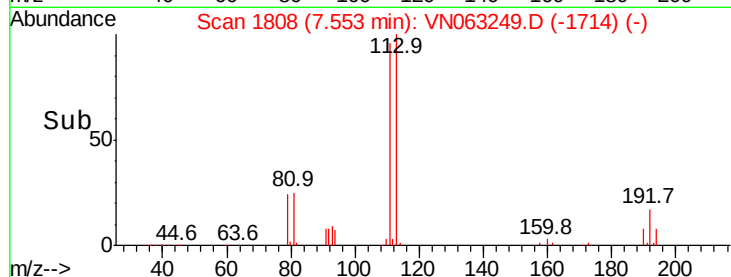
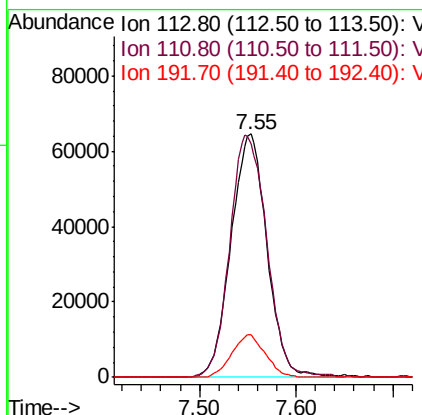
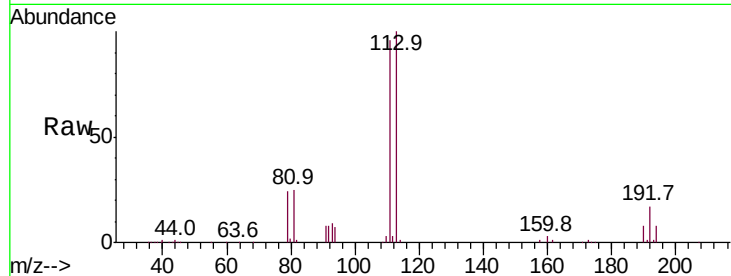




#35
 Dibromofluoromethane
 Concen: 50.116 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN063249.D
 Acq: 4 Sep 2020 15:49

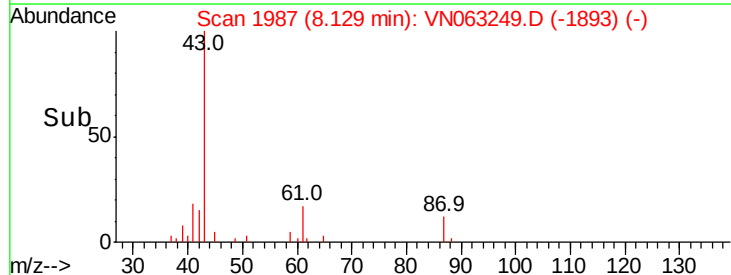
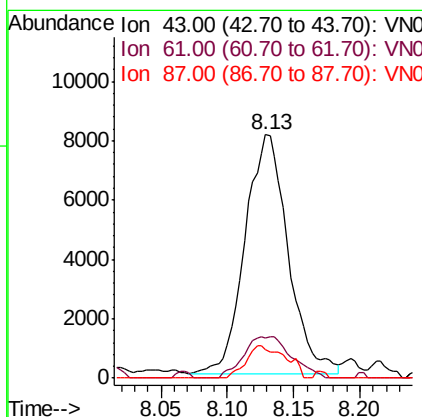
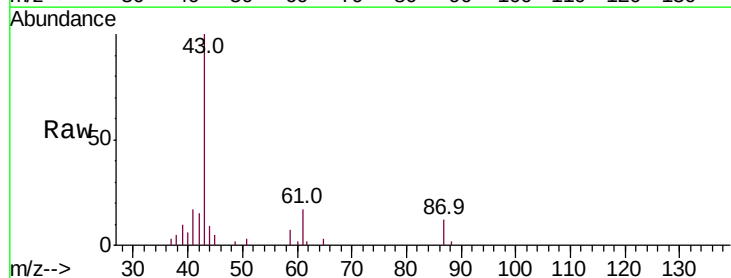
Instrument :
 MSVOA_N
 ClientSampleId :
 CONCRETE-PILE

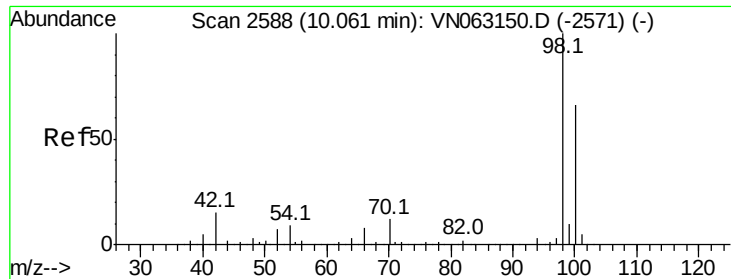
Tot Ion:113 Resp: 166579
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.7 121.1
 192 16.3 12.6 19.0



#43
 Isopropyl Acetate
 Concen: 2.230 ug/l
 RT: 8.13 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN063249.D
 Acq: 4 Sep 2020 15:49

Tgt Ion: 43 Resp: 18112
 Ion Ratio Lower Upper
 43 100
 61 19.4 20.2 30.4#
 87 12.5 9.8 14.6





#50

Toluene-d8

Concen: 51.677 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063249.D

Acq: 4 Sep 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

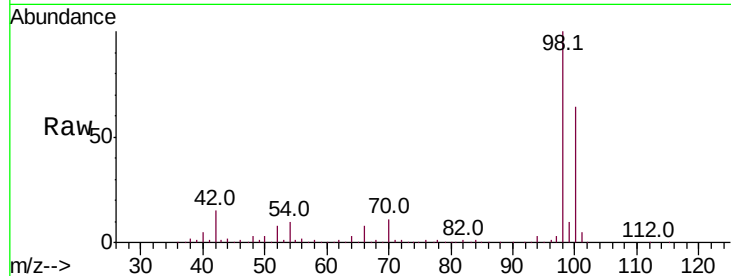
CONCRETE-PILE

Tot Ion: 98 Resp: 661144

Ion Ratio Lower Upper

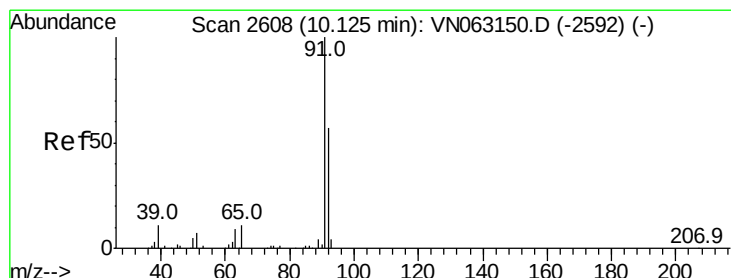
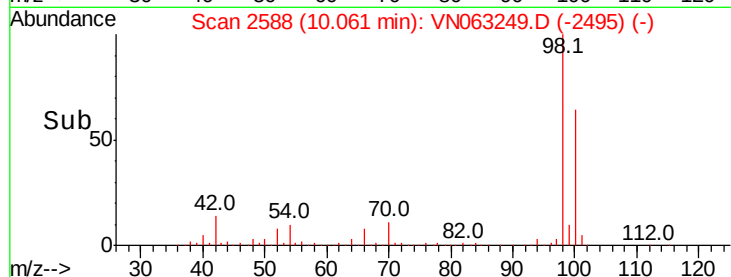
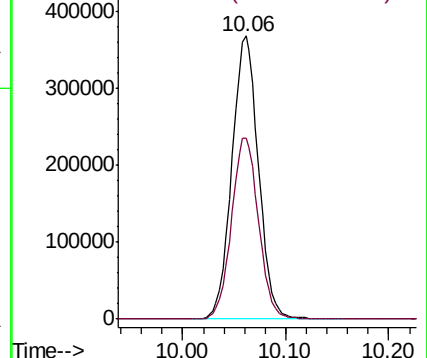
98 100

100 64.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 3.200 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063249.D

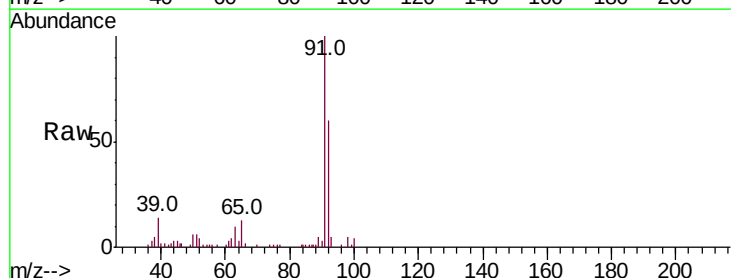
Acq: 4 Sep 2020 15:49

Tgt Ion: 92 Resp: 29180

Ion Ratio Lower Upper

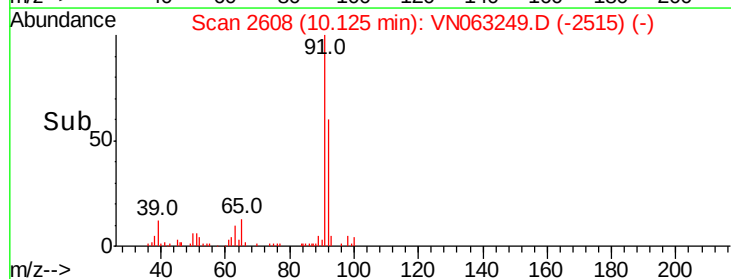
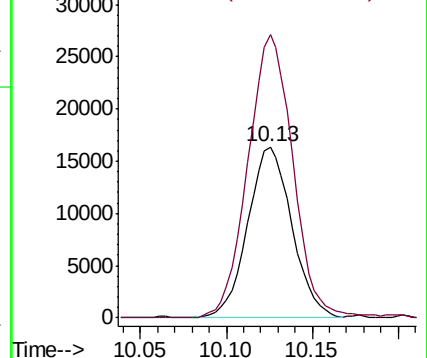
92 100

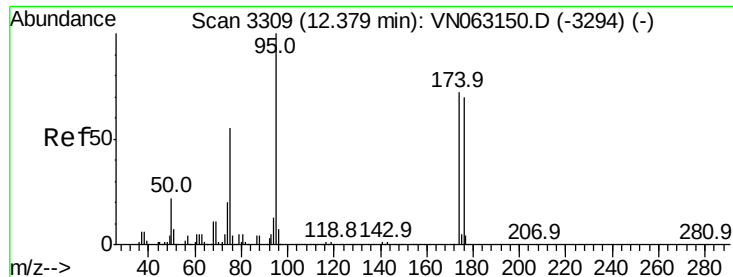
91 169.2 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

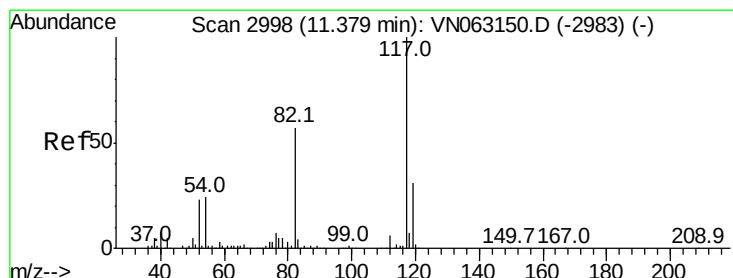
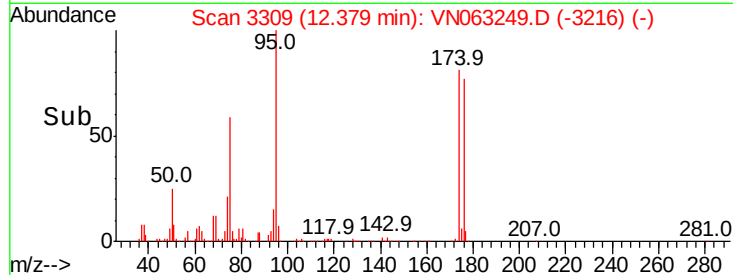
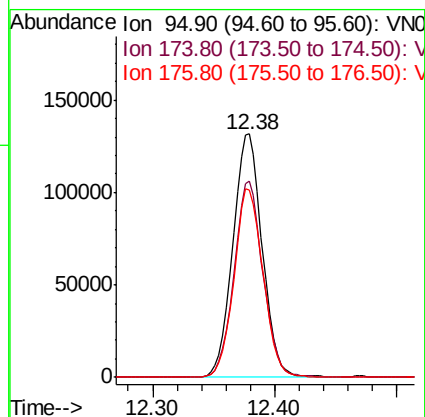
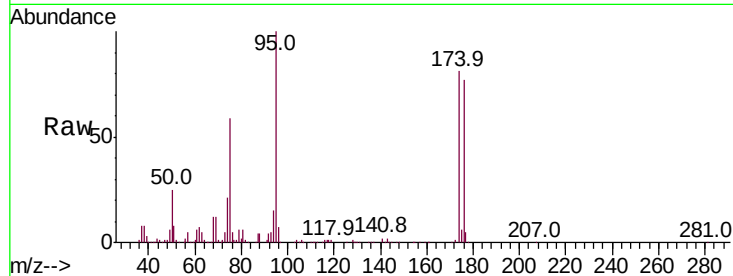




#62
4-Bromofluorobenzene
Concen: 49.291 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.00 min
Lab File: VN063249.D
Acq: 4 Sep 2020 15:49

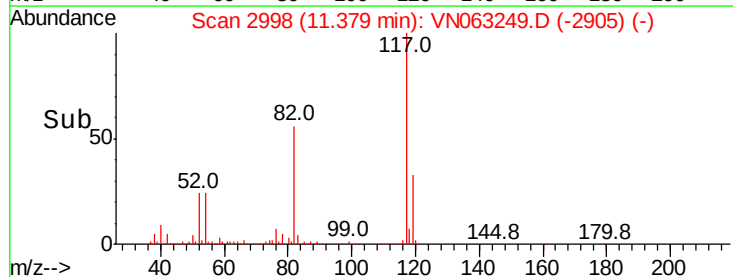
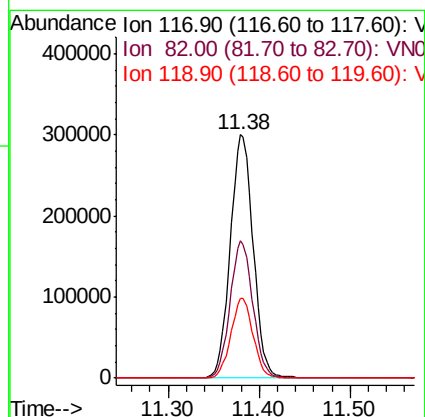
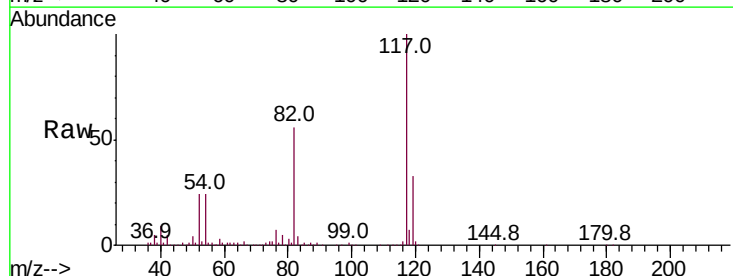
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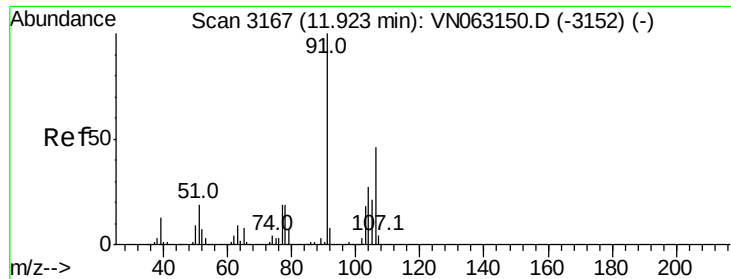
Tot Ion: 95 Resp: 220591
Ion Ratio Lower Upper
95 100
174 79.2 0.0 143.8
176 76.3 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063249.D
Acq: 4 Sep 2020 15:49

Tgt Ion: 117 Resp: 524552
Ion Ratio Lower Upper
117 100
82 56.2 45.4 68.0
119 32.7 24.6 37.0

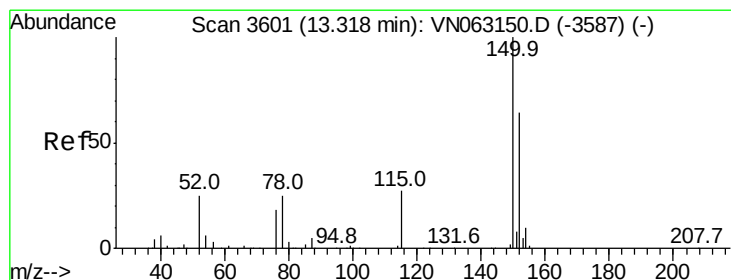
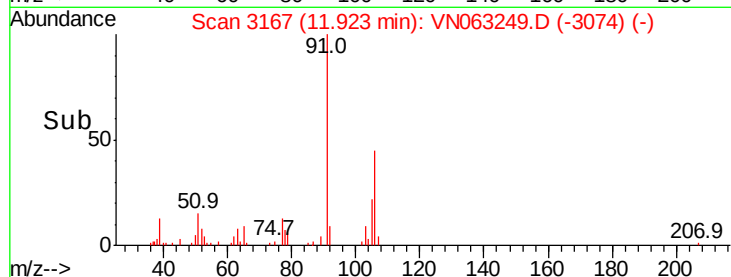
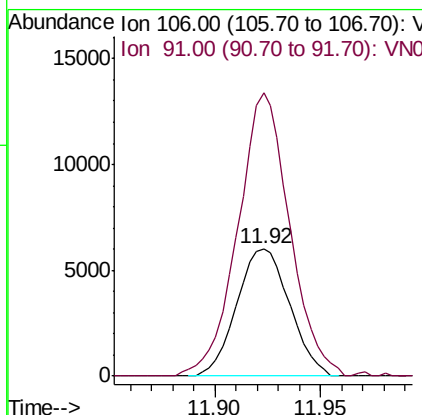
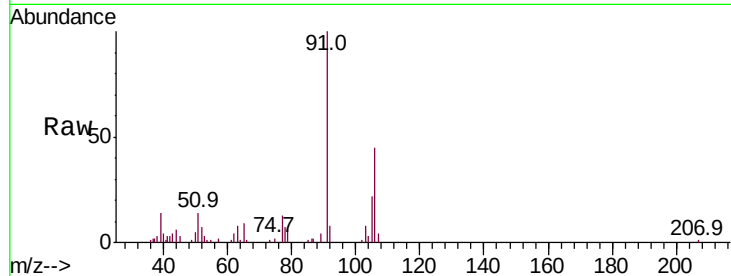




#69
o-Xylene
Concen: 1.520 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063249.D
Acq: 4 Sep 2020 15:49

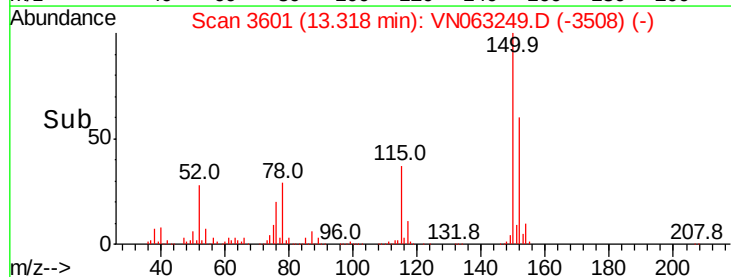
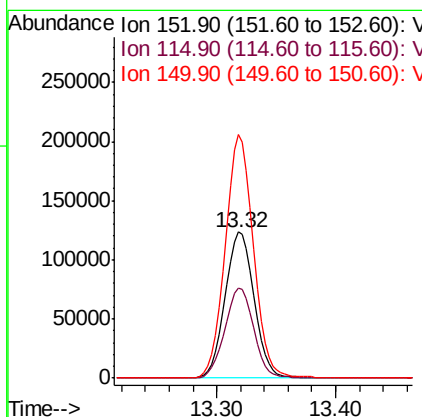
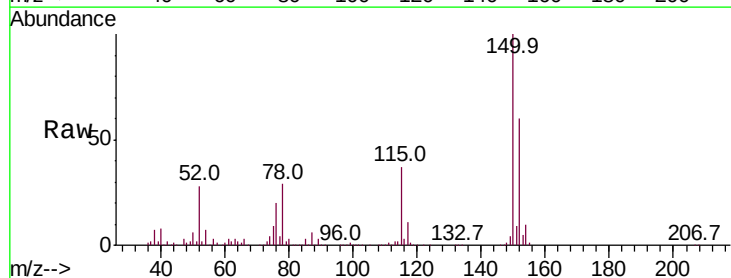
Instrument :
MSVOA_N
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CONCRETE-PILE

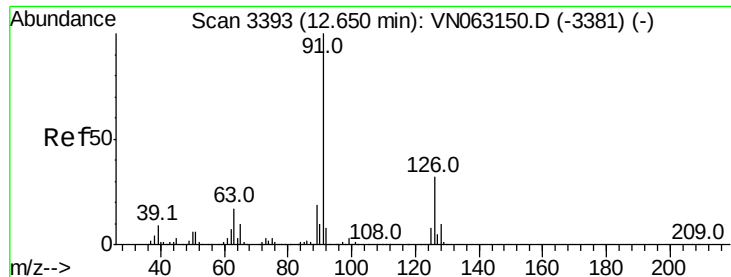
Tot Ion:106 Resp: 10484
Ion Ratio Lower Upper
106 100
91 218.0 108.6 325.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063249.D
Acq: 4 Sep 2020 15:49

Tgt Ion:152 Resp: 209138
Ion Ratio Lower Upper
152 100
115 61.2 32.0 96.2
150 161.4 0.0 353.0





#79

2-Chlorotoluene

Concen: 99.112 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063249.D

Acq: 4 Sep 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

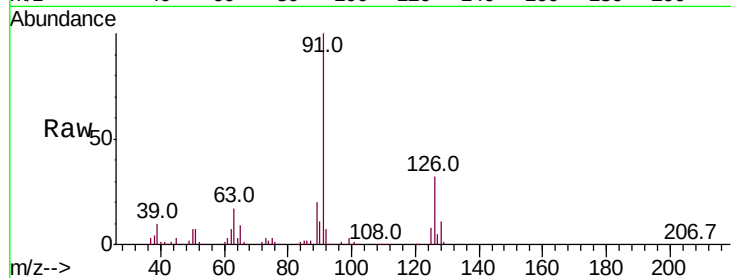
CONCRETE-PILE

Tot Ion: 91 Resp: 1101865

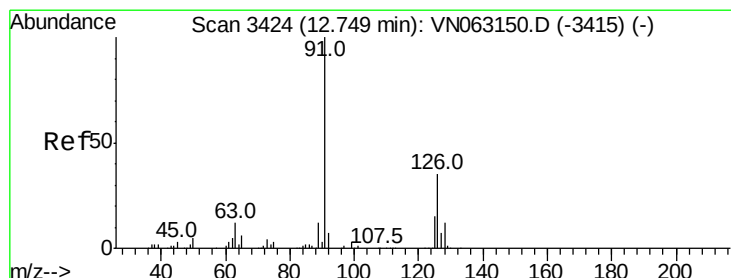
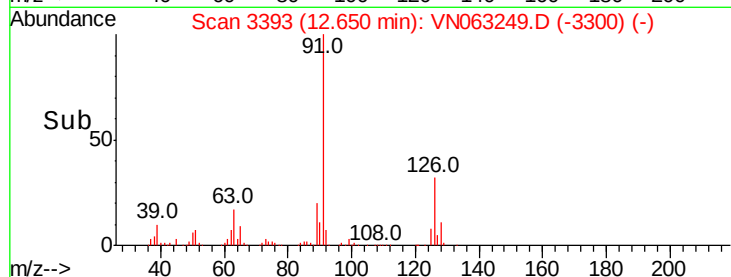
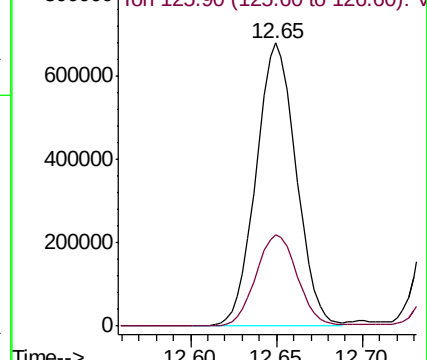
Ion Ratio Lower Upper

91 100

126 33.2 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VN063249.D (-3300) (-)



#82

4-Chlorotoluene

Concen: 75.450 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063249.D

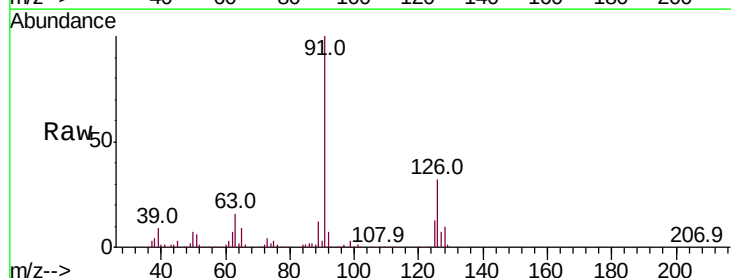
Acq: 4 Sep 2020 15:49

Tgt Ion: 91 Resp: 869949

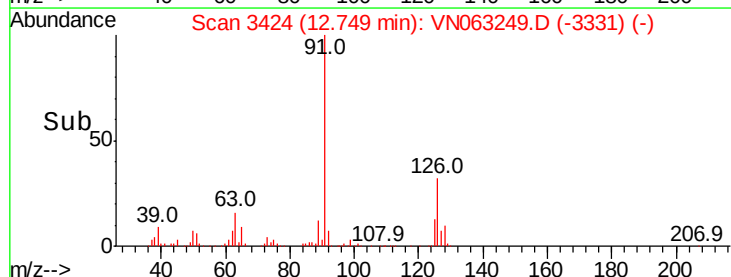
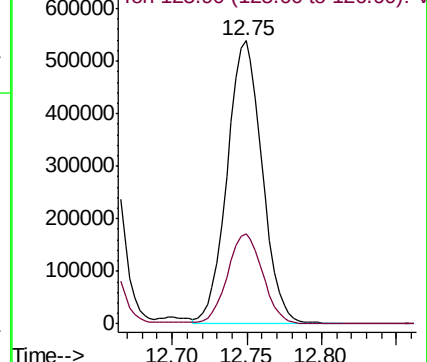
Ion Ratio Lower Upper

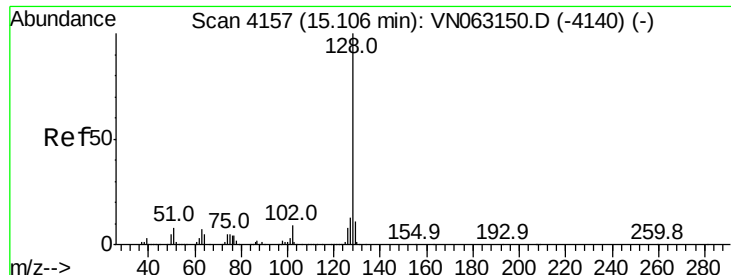
91 100

126 32.3 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN063249.D (-3331) (-)

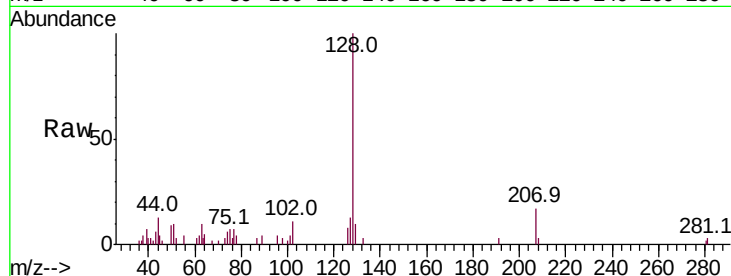




#95
Naphthalene
Concen: 1.298 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN063249.D
Acq: 4 Sep 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
CONCRETE-PILE

Tot Ion:128 Resp: 15651
Ion Ratio Lower Upper
128 100
127 14.8 10.5 15.7
129 7.0 8.6 13.0#



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

