

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073902.D
 Acq On : 15 Aug 2022 17:56
 Operator : JC\MD
 Sample : N4107-07
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CONCRETE-STOCKPILE

Quant Time: Aug 15 23:58:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 15 23:50:46 2022
 Response via : Initial Calibration

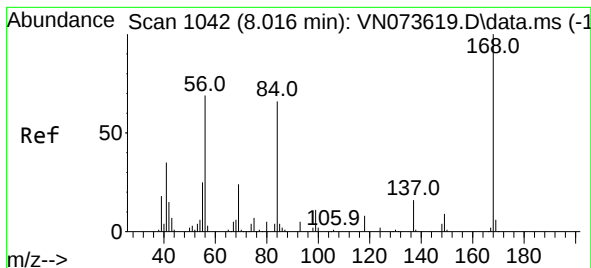
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.010	168	627705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	898263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	901338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	542995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	282797	46.255	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.520%		
35) Dibromofluoromethane	7.945	113	274515	51.676	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.360%		
50) Toluene-d8	10.380	98	963418	46.827	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.660%		
62) 4-Bromofluorobenzene	12.674	95	449069	65.768	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	131.540%#		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	2004	0.362	ug/l #	59
11) Tert butyl alcohol	5.204	59	19522	14.275	ug/l #	72
13) Acrolein	3.969	56	281	0.294	ug/l #	1
14) Allyl chloride	4.769	41	1710	0.233	ug/l #	31
16) Acetone	4.251	43	6290	2.181	ug/l	91
18) Methyl Acetate	4.781	43	67197	7.141	ug/l	98
20) Methylene Chloride	4.963	84	2423	0.398	ug/l	97
25) 2-Butanone	7.298	43	5355	1.171	ug/l #	77
26) 2,2-Dichloropropane	7.292	77	5716	0.628	ug/l #	53
29) Tetrahydrofuran	7.627	42	4421	1.507	ug/l #	84
31) Cyclohexane	7.998	56	10589	1.242	ug/l #	32
36) 1,1-Dichloropropene	8.010	75	39282	5.324	ug/l #	50
37) Ethyl Acetate	7.298	43	5355	0.599	ug/l #	22
38) Carbon Tetrachloride	8.004	117	53256	6.315	ug/l #	17
43) Isopropyl Acetate	8.574	43	67421	5.294	ug/l #	55
52) Toluene	10.439	92	3533	0.221	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.992	63	342	Below Cal		92
68) m/p-Xylenes	11.892	106	2869	0.222	ug/l #	69
76) 1,2,3-Trichloropropane	12.674	75	223420	19.360	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	223420	56.304	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.562	75	870	0.278	ug/l #	1
95) Naphthalene	15.427	128	16961	0.446	ug/l	99

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

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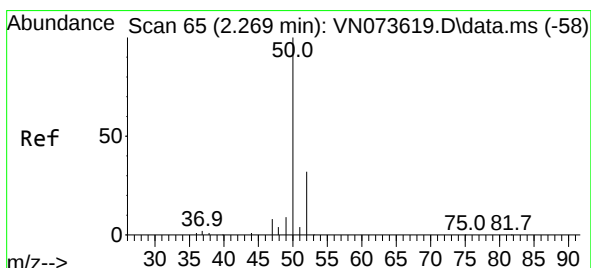
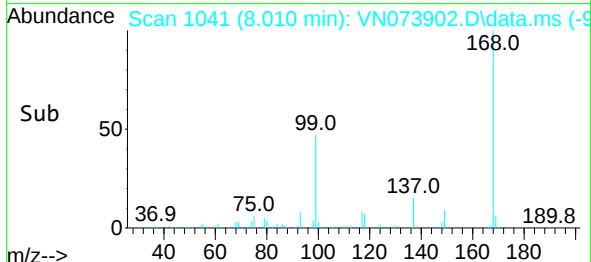
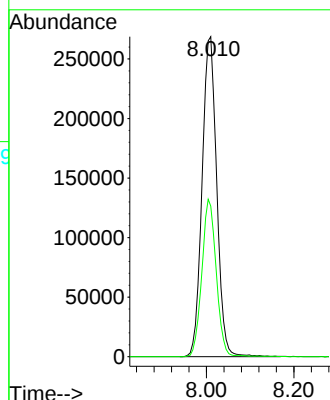
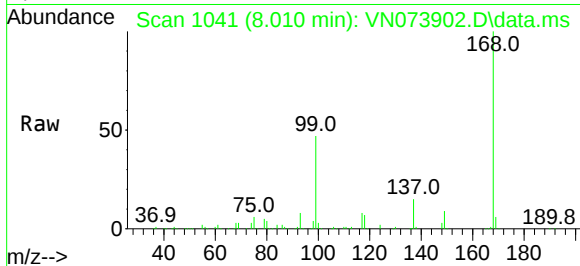




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

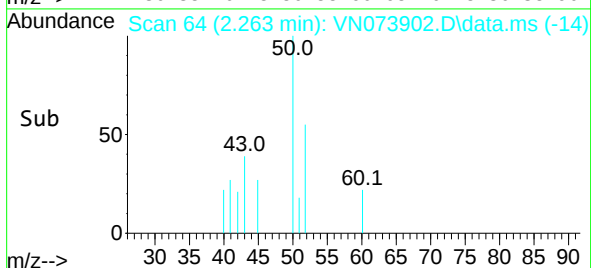
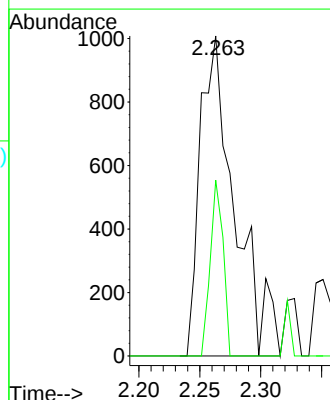
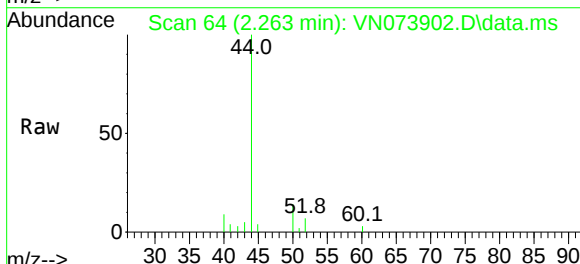
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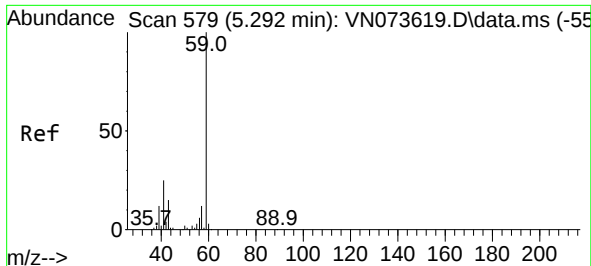
Tgt Ion:168 Resp: 627705
Ion Ratio Lower Upper
168 100
99 47.1 42.3 63.5



#3
Chloromethane
Concen: 0.362 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

Tgt Ion: 50 Resp: 2004
Ion Ratio Lower Upper
50 100
52 55.0 25.7 38.5#

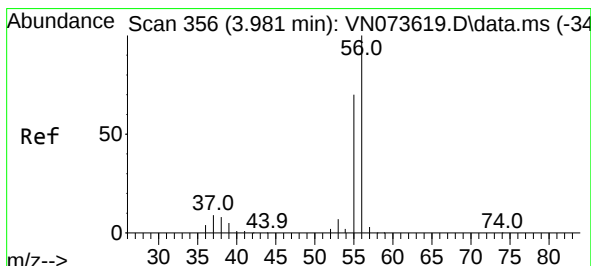
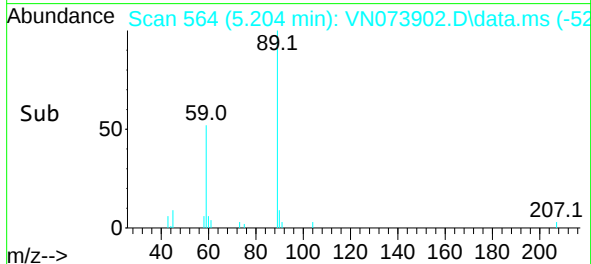
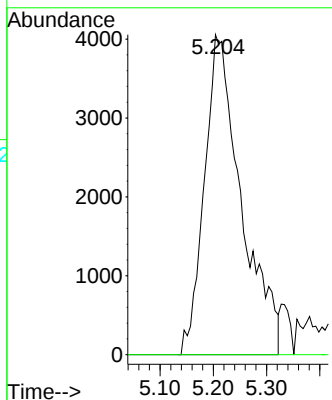
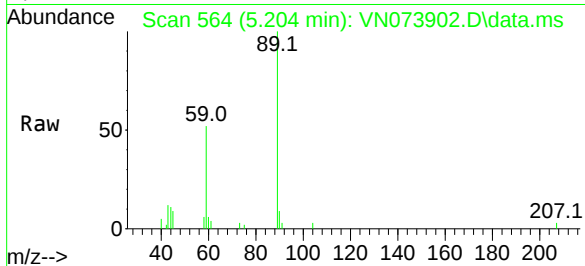




#11
Tert butyl alcohol
Concen: 14.275 ug/l
RT: 5.204 min Scan# 51
Delta R.T. -0.088 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

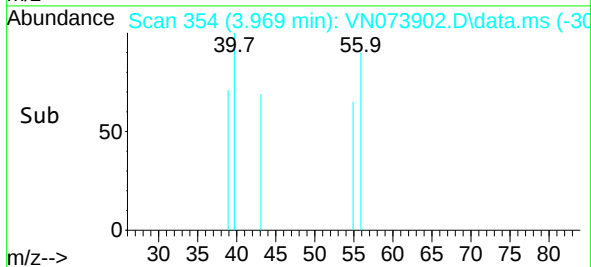
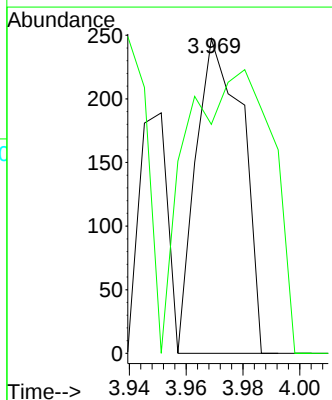
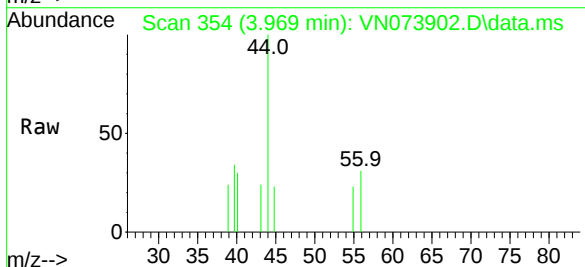
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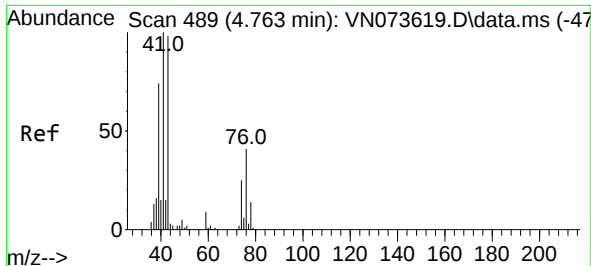
Tgt Ion: 59 Resp: 19522
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.294 ug/l
RT: 3.969 min Scan# 354
Delta R.T. -0.012 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

Tgt Ion: 56 Resp: 281
Ion Ratio Lower Upper
56 100
55 165.8 54.8 82.2#

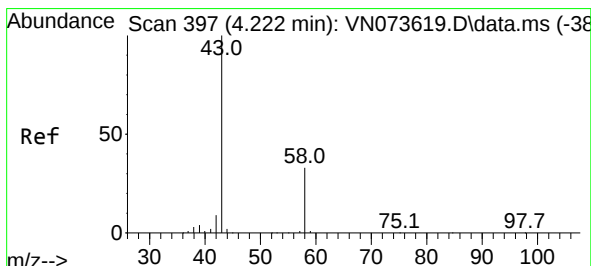
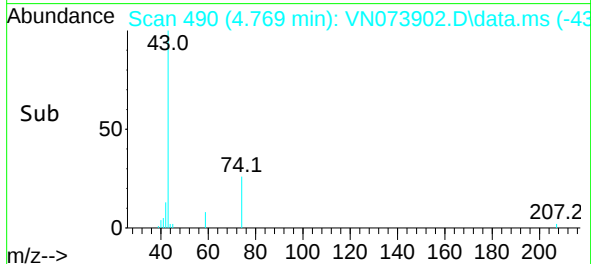
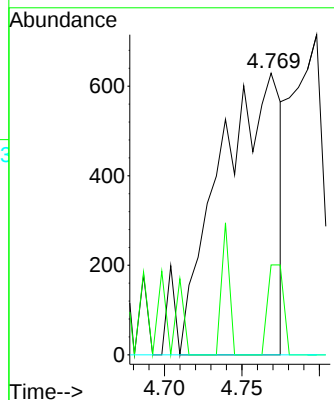
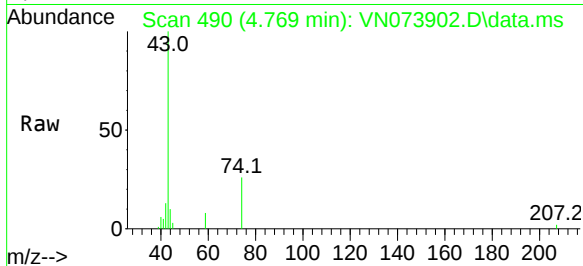




#14
 Allyl chloride
 Concen: 0.233 ug/l
 RT: 4.769 min Scan# 491
 Delta R.T. 0.006 min
 Lab File: VN073902.D
 Acq: 15 Aug 2022 17:56

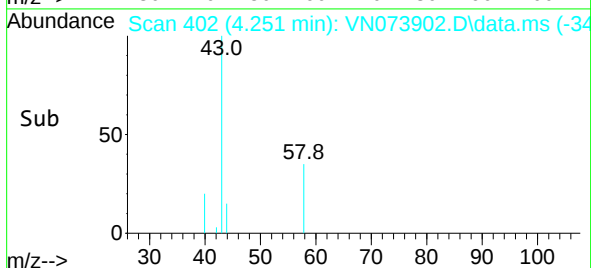
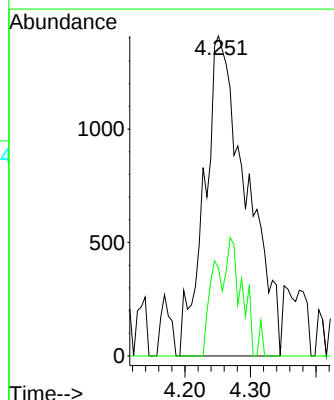
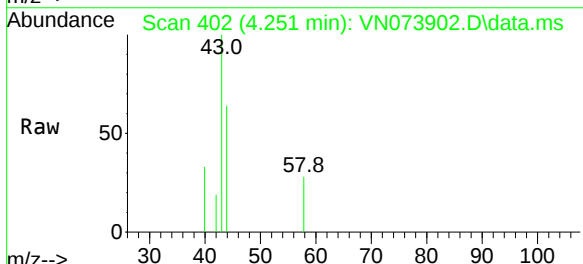
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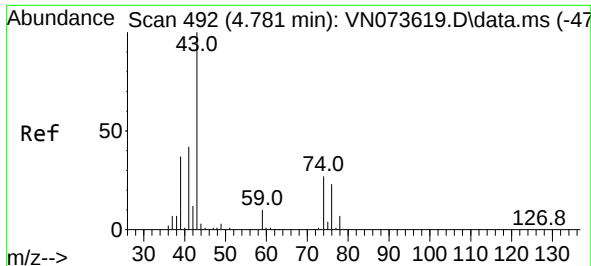
Tgt Ion: 41 Resp: 1710
 Ion Ratio Lower Upper
 41 100
 39 8.3 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 2.181 ug/l
 RT: 4.251 min Scan# 402
 Delta R.T. 0.029 min
 Lab File: VN073902.D
 Acq: 15 Aug 2022 17:56

Tgt Ion: 43 Resp: 6290
 Ion Ratio Lower Upper
 43 100
 58 27.5 26.0 39.0

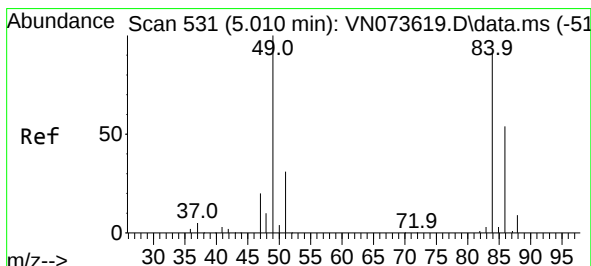
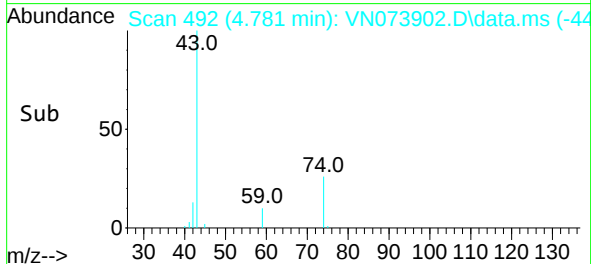
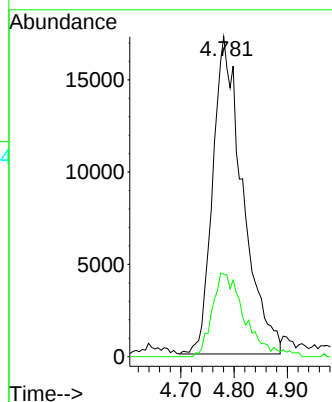
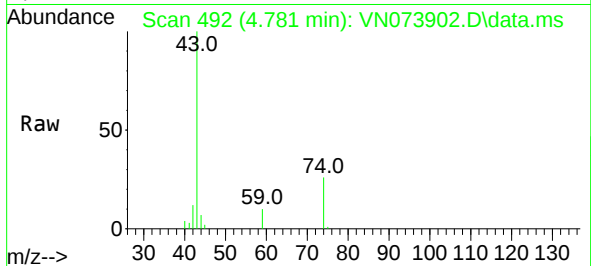




#18
Methyl Acetate
Concen: 7.141 ug/l
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

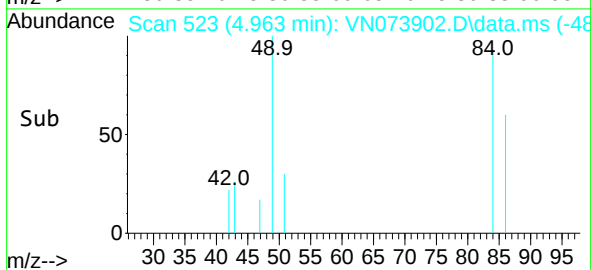
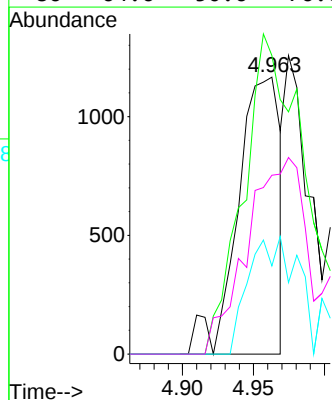
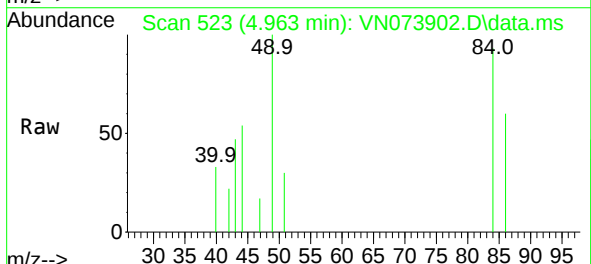
Instrument :
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ClientSampleId :
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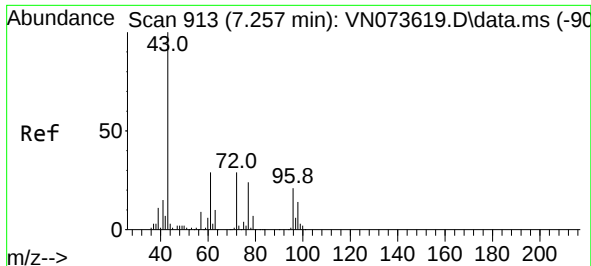
Tgt Ion: 43 Resp: 67197
Ion Ratio Lower Upper
43 100
74 27.9 21.6 32.4



#20
Methylene Chloride
Concen: 0.398 ug/l
RT: 4.963 min Scan# 523
Delta R.T. -0.047 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

Tgt Ion: 84 Resp: 2423
Ion Ratio Lower Upper
84 100
49 107.8 88.3 132.5
51 31.8 28.2 42.2
86 64.6 50.6 76.0

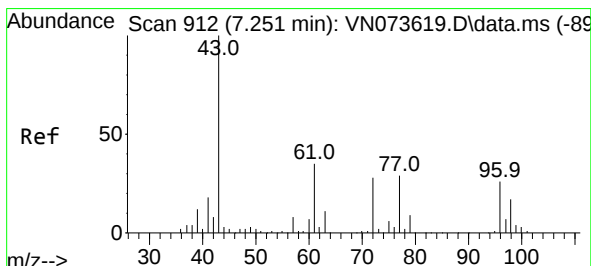
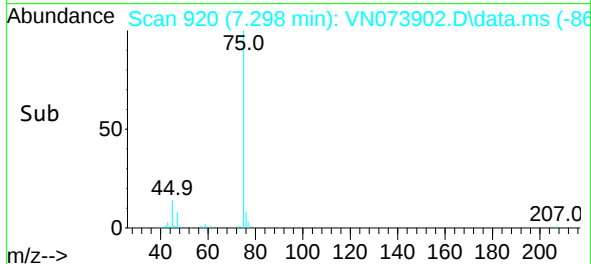
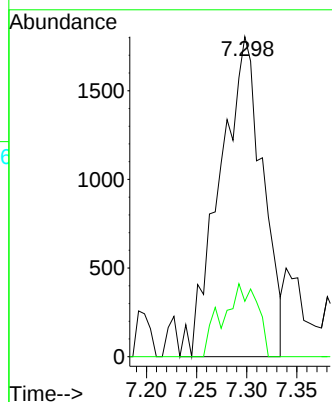
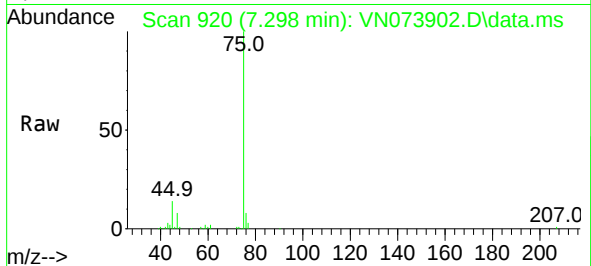




#25
2-Butanone
Concen: 1.171 ug/l
RT: 7.298 min Scan# 913
Delta R.T. 0.041 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

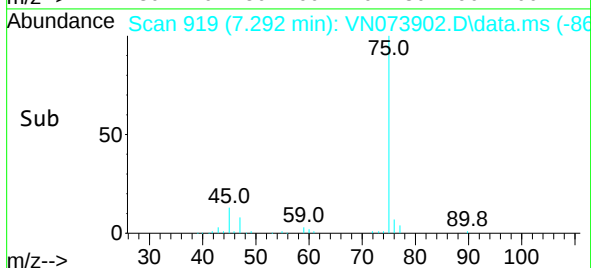
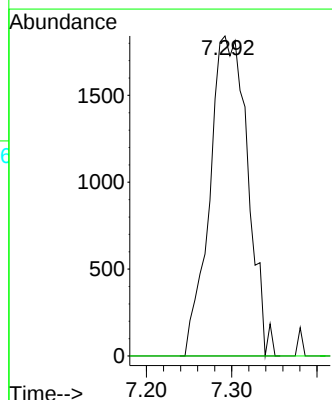
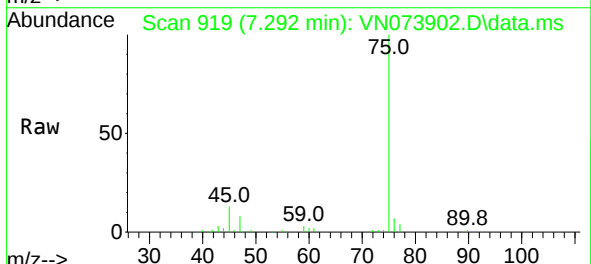
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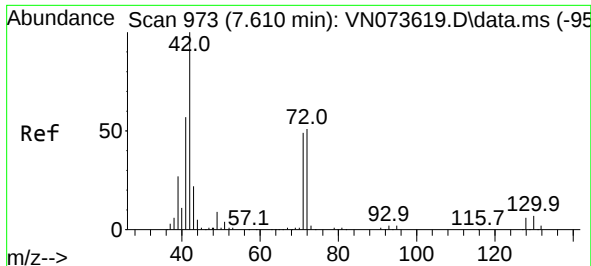
Tgt Ion: 43 Resp: 5355
Ion Ratio Lower Upper
43 100
72 17.3 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.628 ug/l
RT: 7.292 min Scan# 919
Delta R.T. 0.041 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

Tgt Ion: 77 Resp: 5716
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 1.507 ug/l

RT: 7.627 min Scan# 91

Delta R.T. 0.017 min

Lab File: VN073902.D

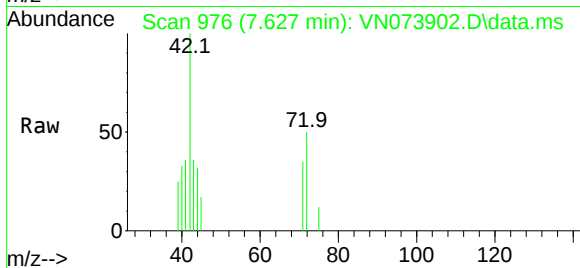
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Instrument :

MSVOA_N

ClientSampleId :

CONCRETE-STOCKPILE



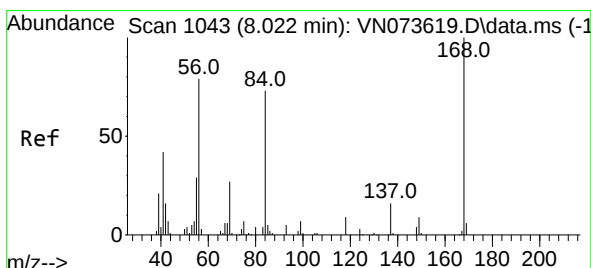
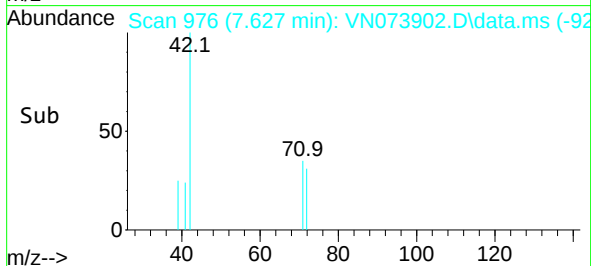
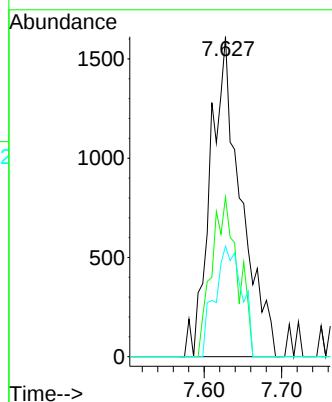
Tgt Ion: 42 Resp: 4421

Ion Ratio Lower Upper

42 100

72 42.5 39.7 59.5

71 30.6 36.6 55.0#



#31

Cyclohexane

Concen: 1.242 ug/l

RT: 7.998 min Scan# 1039

Delta R.T. -0.024 min

Lab File: VN073902.D

Acq: 15 Aug 2022 17:56

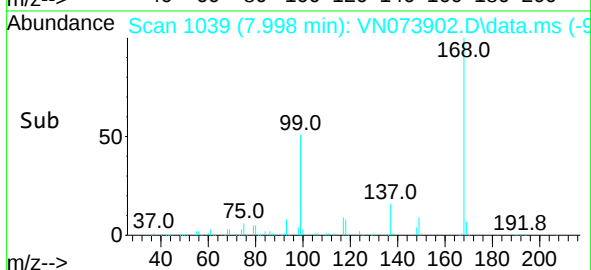
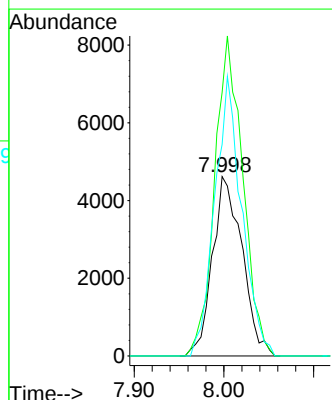
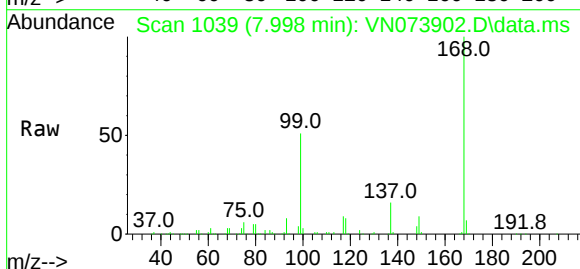
Tgt Ion: 56 Resp: 10589

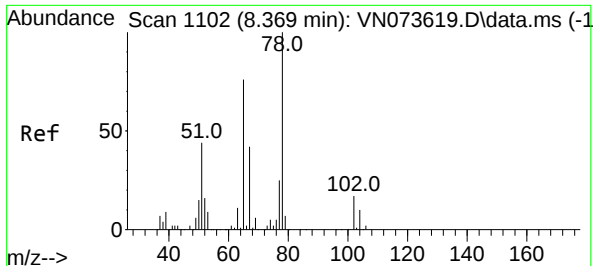
Ion Ratio Lower Upper

56 100

69 146.9 27.8 41.8#

84 117.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.255 ug/l

RT: 8.363 min Scan# 1101

Delta R.T. -0.006 min

Lab File: VN073902.D

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Instrument :

MSVOA_N

ClientSampleId :

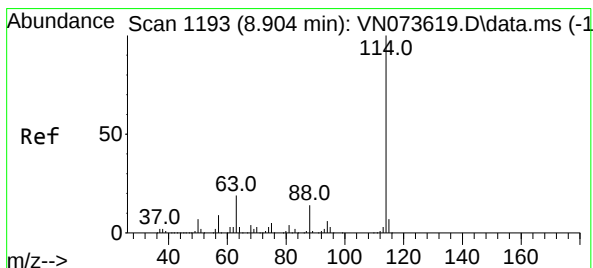
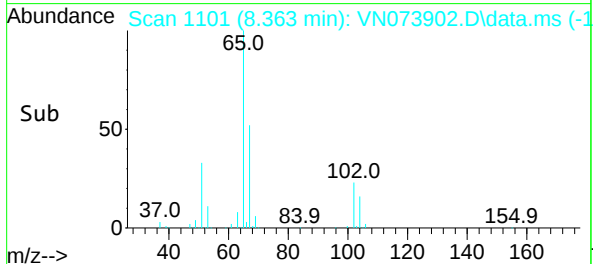
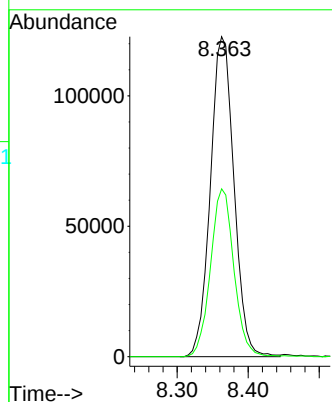
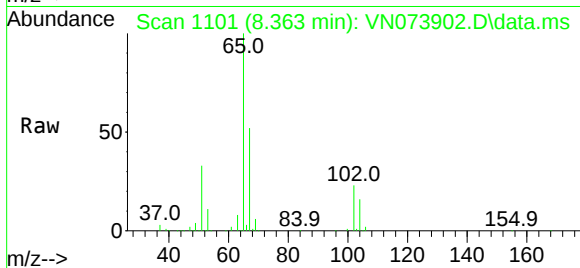
CONCRETE-STOCKPILE

Tgt Ion: 65 Resp: 282797

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. -0.006 min

Lab File: VN073902.D

Acq: 15 Aug 2022 17:56

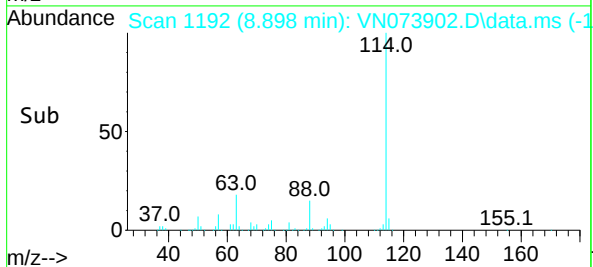
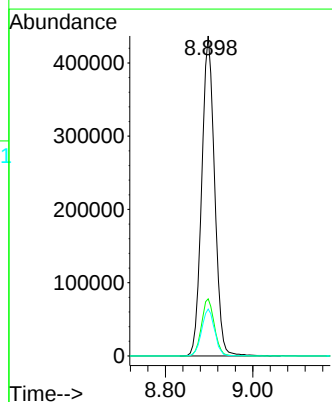
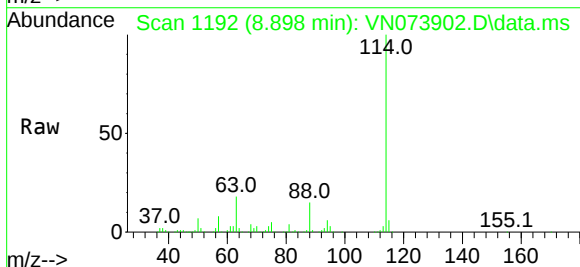
Tgt Ion: 114 Resp: 898263

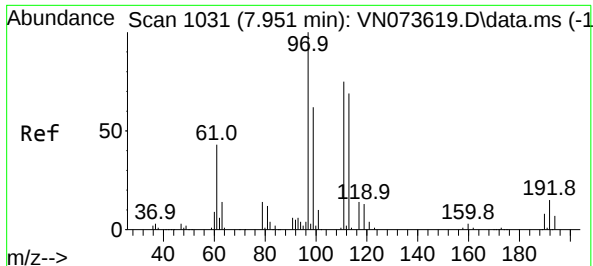
Ion Ratio Lower Upper

114 100

63 17.9 0.0 40.0

88 14.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.676 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN073902.D

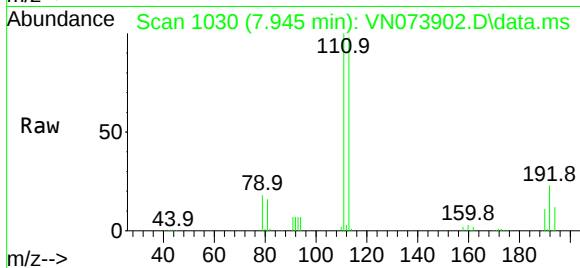
Acq: 15 Aug 2022 17:56

Instrument :

MSVOA_N

ClientSampleId :

CONCRETE-STOCKPILE



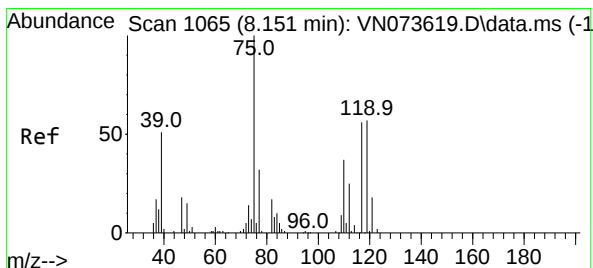
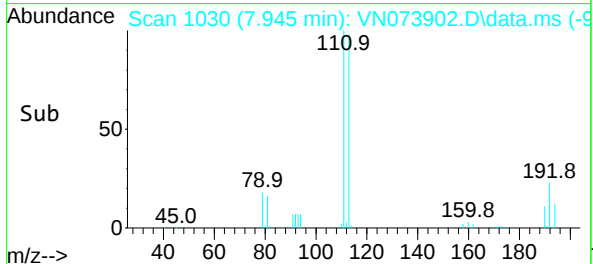
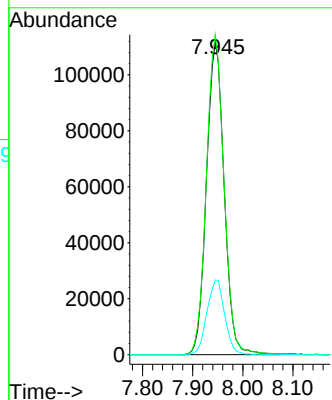
Tgt Ion:113 Resp: 274515

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 23.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.324 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN073902.D

Acq: 15 Aug 2022 17:56

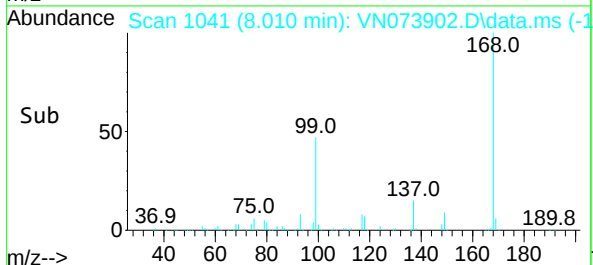
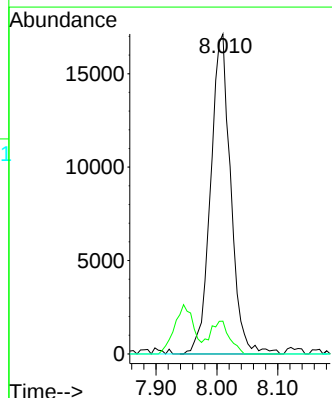
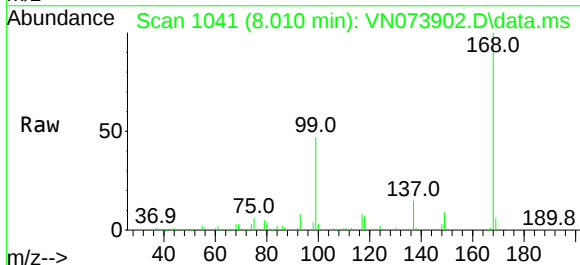
Tgt Ion: 75 Resp: 39282

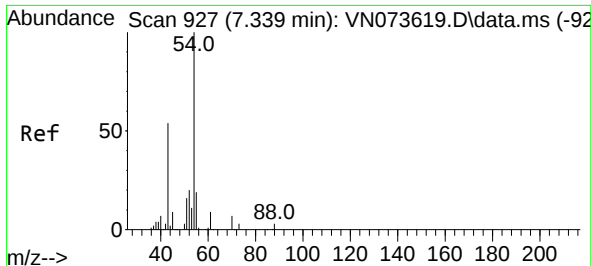
Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

77 0.0 25.1 37.7#

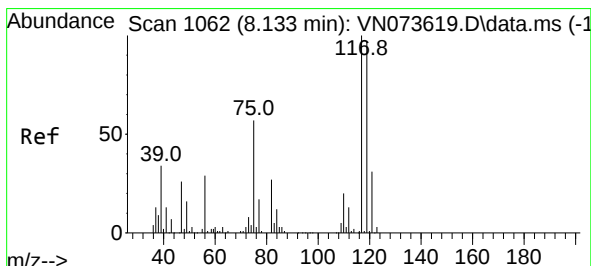
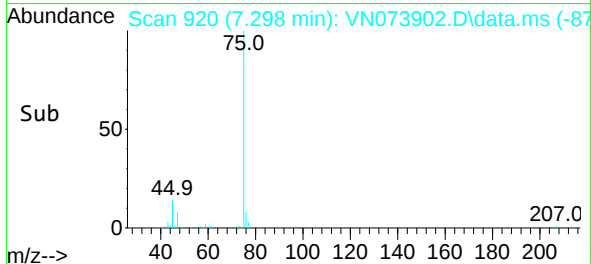
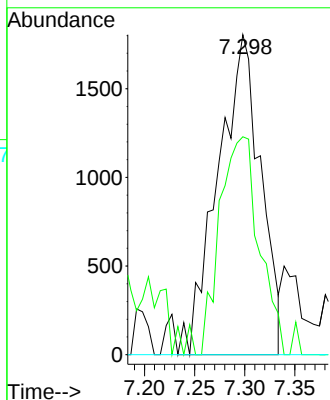
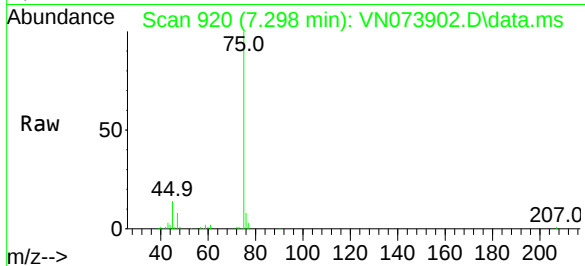




#37
Ethyl Acetate
Concen: 0.599 ug/l
RT: 7.298 min Scan# 91
Delta R.T. -0.041 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

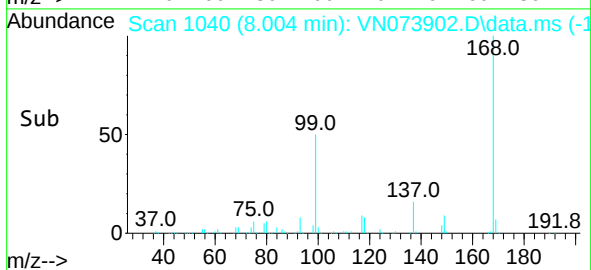
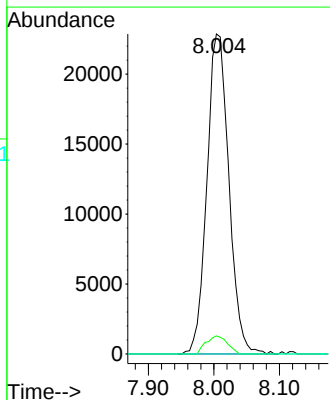
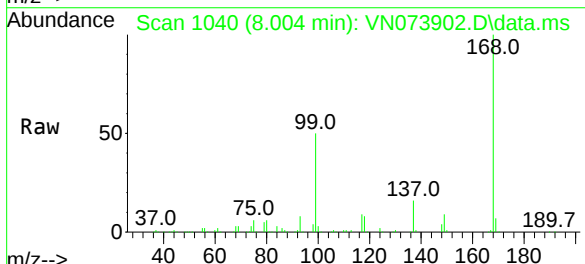
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MSVOA_N
ClientSampleId :
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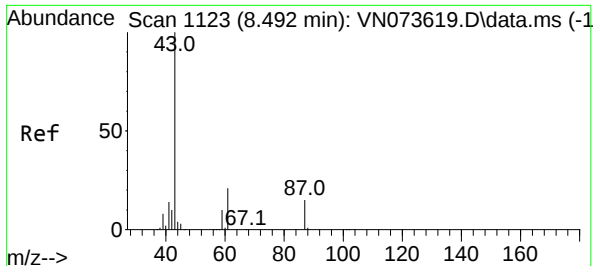
Tgt Ion: 43 Resp: 5355
Ion Ratio Lower Upper
43 100
61 62.6 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.315 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.130 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

Tgt Ion: 117 Resp: 53256
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 24.6 37.0#

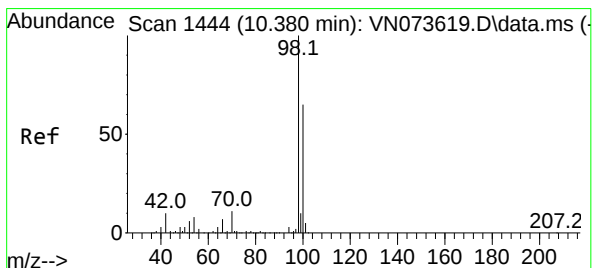
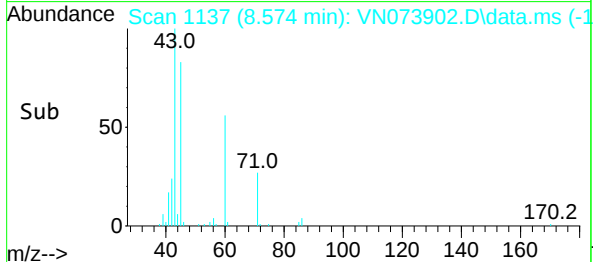
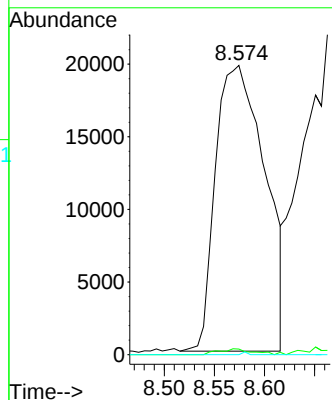
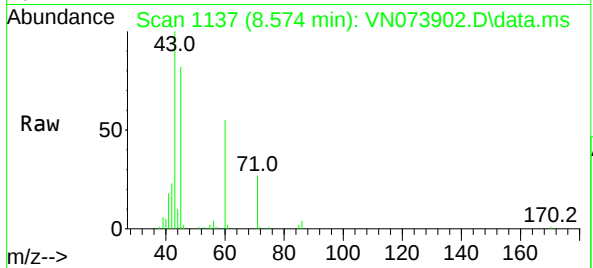




#43
Isopropyl Acetate
Concen: 5.294 ug/l
RT: 8.574 min Scan# 1123
Delta R.T. 0.082 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

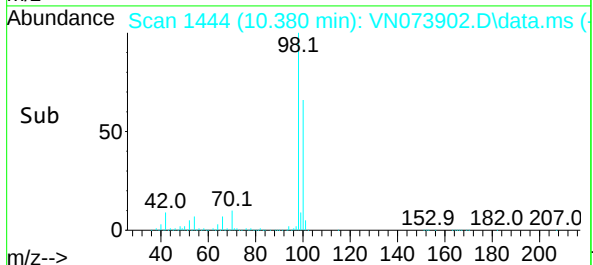
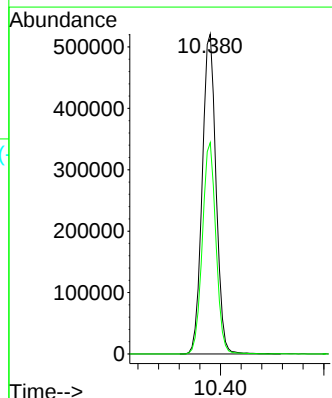
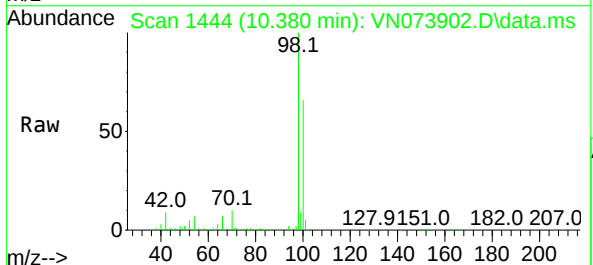
Instrument :
MSVOA_N
ClientSampleId :
CONCRETE-STOCKPILE

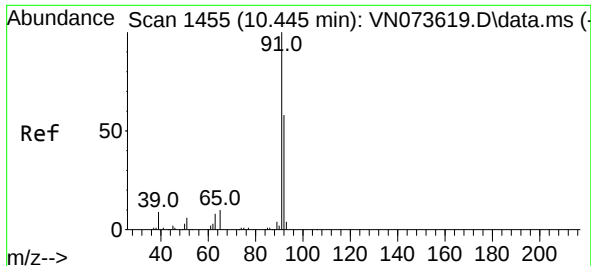
Tgt Ion: 43 Resp: 67421
Ion Ratio Lower Upper
43 100
61 1.4 21.9 32.9#
87 0.1 12.0 18.0#



#50
Toluene-d8
Concen: 46.827 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

Tgt Ion: 98 Resp: 963418
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

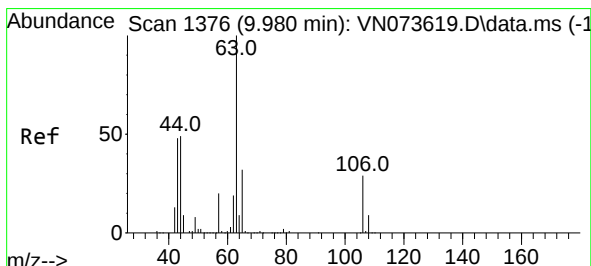
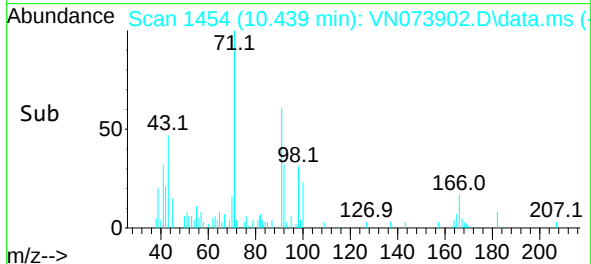
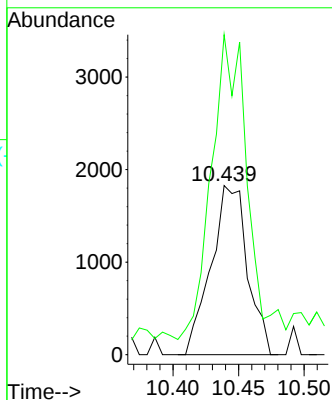
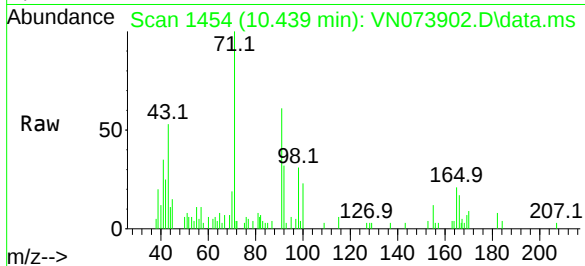




#52
Toluene
Concen: 0.221 ug/l
RT: 10.439 min Scan# 1455
Delta R.T. -0.006 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

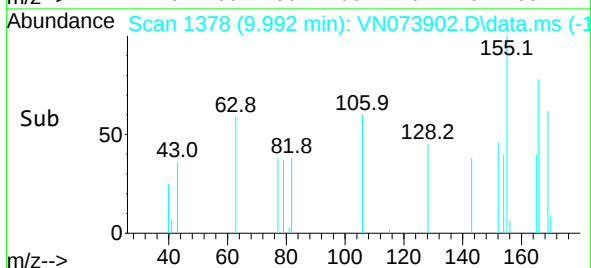
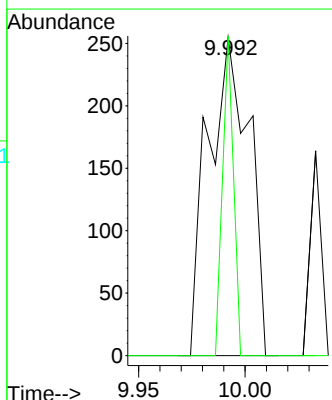
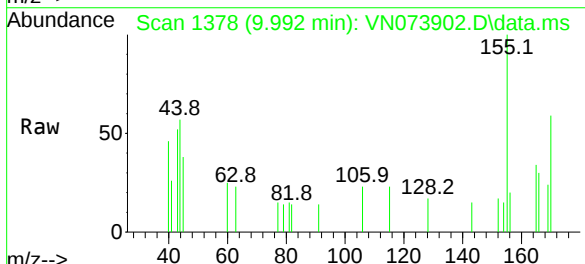
Instrument :
MSVOA_N
ClientSampleId :
CONCRETE-STOCKPILE

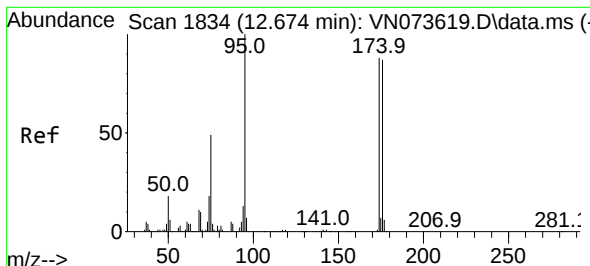
Tgt Ion: 92 Resp: 3533
Ion Ratio Lower Upper
92 100
91 175.7 138.6 207.8



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.992 min Scan# 1378
Delta R.T. 0.012 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

Tgt Ion: 63 Resp: 342
Ion Ratio Lower Upper
63 100
106 26.3 24.6 36.8

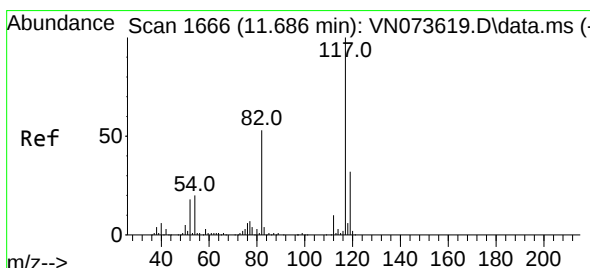
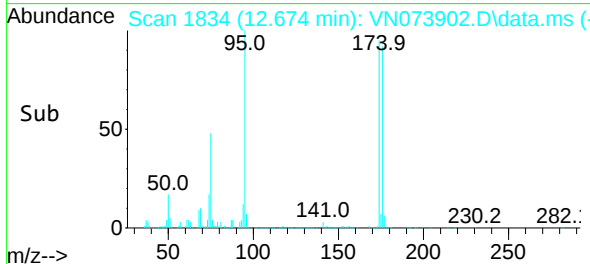
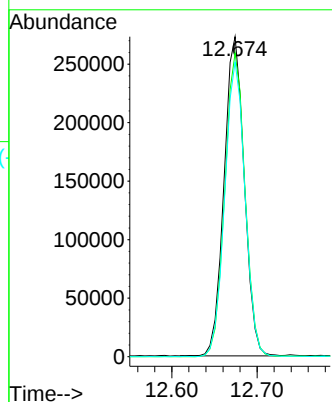
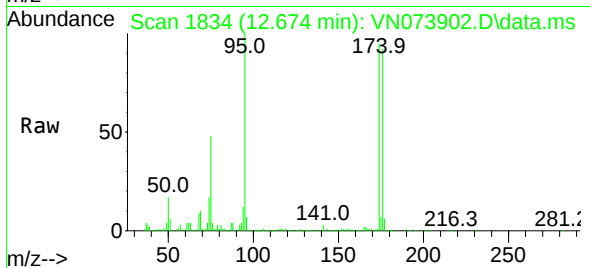




#62
4-Bromofluorobenzene
Concen: 65.768 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

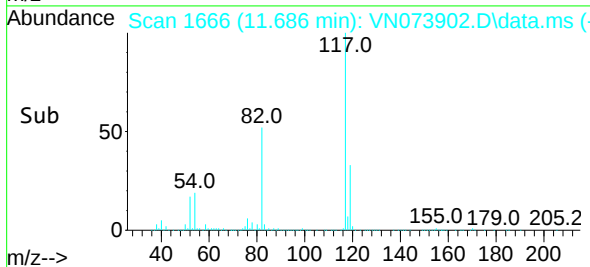
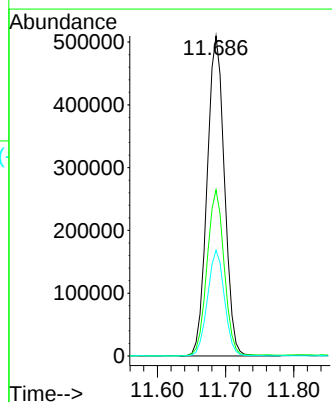
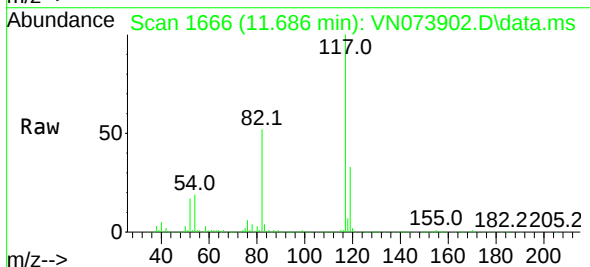
Instrument :
MSVOA_N
ClientSampleId :
CONCRETE-STOCKPILE

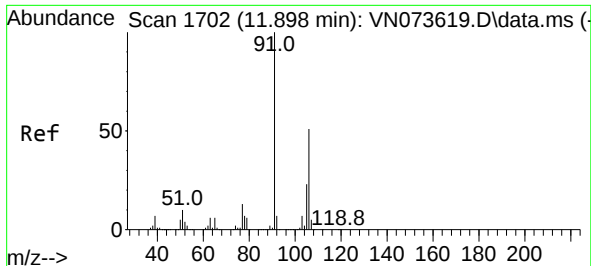
Tgt Ion: 95 Resp: 449069
Ion Ratio Lower Upper
95 100
174 95.7 0.0 167.6
176 92.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

Tgt Ion: 117 Resp: 901338
Ion Ratio Lower Upper
117 100
82 51.9 44.2 66.2
119 33.0 25.4 38.0

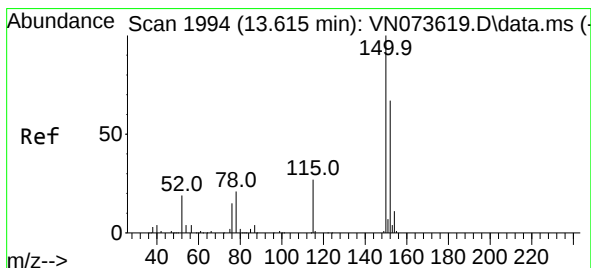
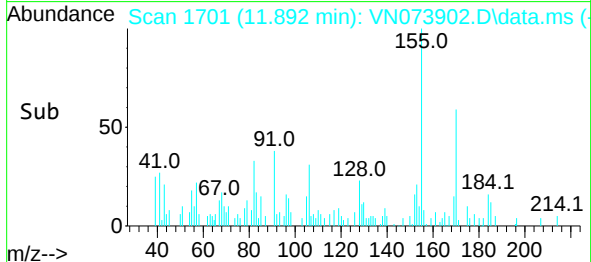
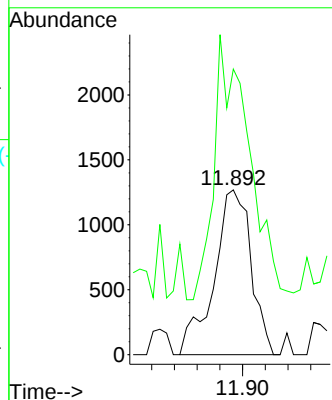
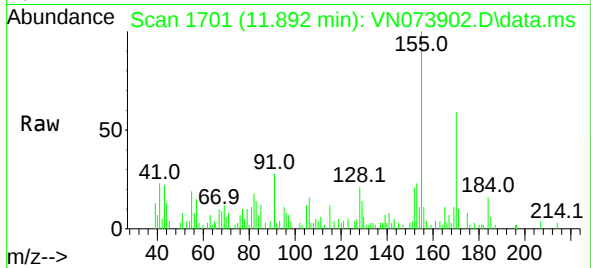




#68
m/p-Xylenes
Concen: 0.222 ug/l
RT: 11.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

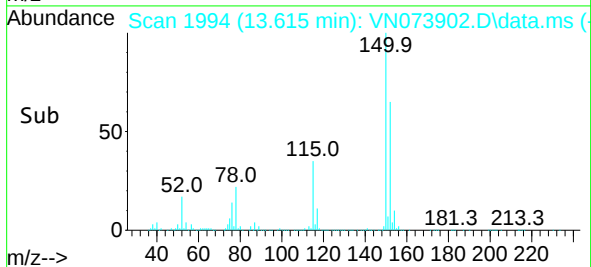
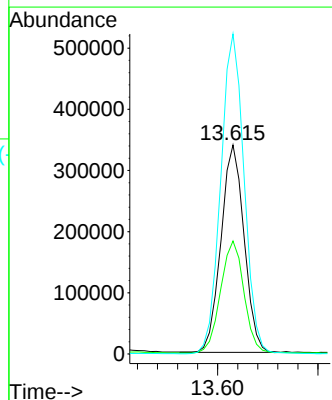
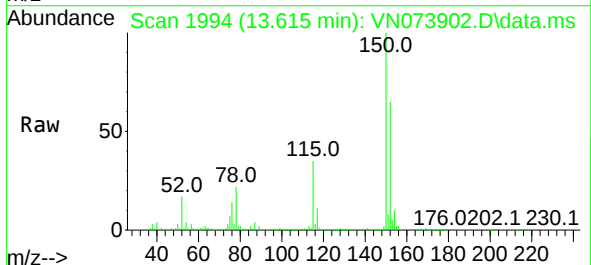
Instrument :
MSVOA_N
ClientSampleId :
CONCRETE-STOCKPILE

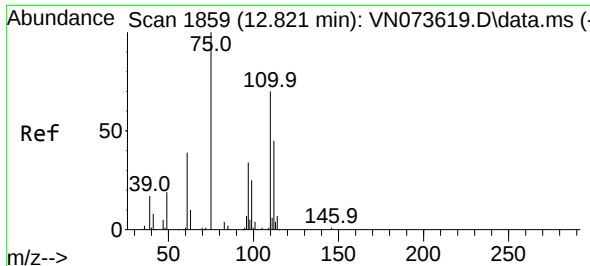
Tgt Ion:106 Resp: 2869
Ion Ratio Lower Upper
106 100
91 151.5 158.9 238.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073902.D
Acq: 15 Aug 2022 17:56

Tgt Ion:152 Resp: 542995
Ion Ratio Lower Upper
152 100
115 54.6 28.9 86.7
150 155.9 0.0 356.2

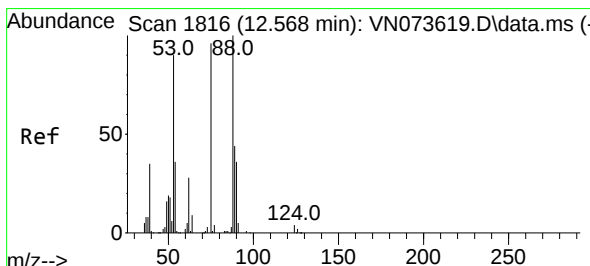
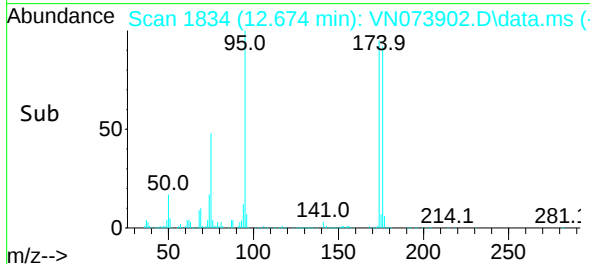
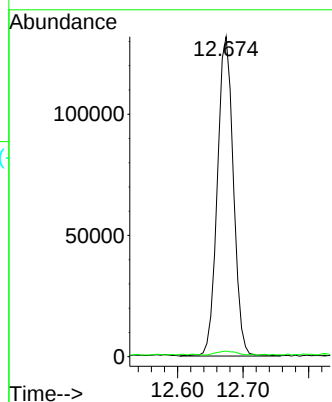
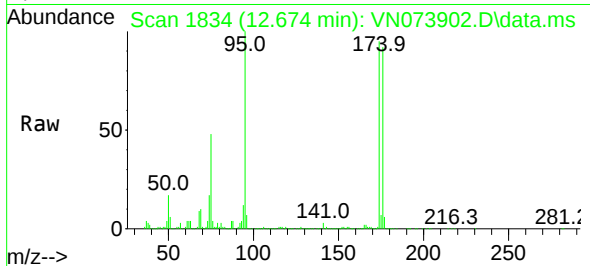




#76
 1,2,3-Trichloropropane
 Concen: 19.360 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN073902.D
 Acq: 15 Aug 2022 17:56

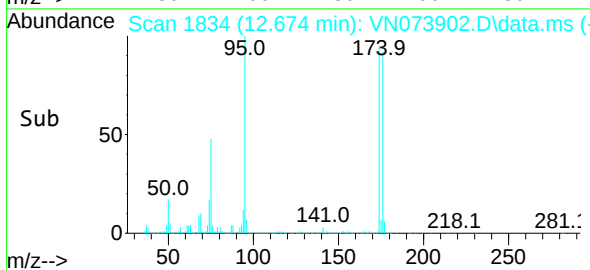
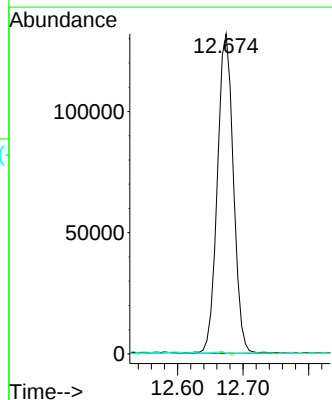
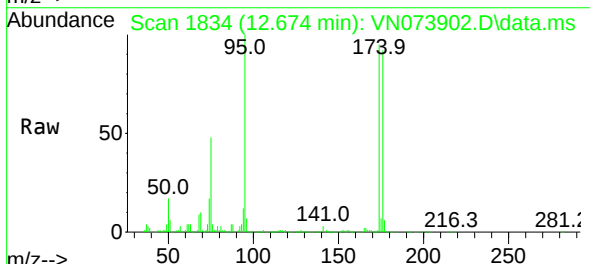
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 CONCRETE-STOCKPILE

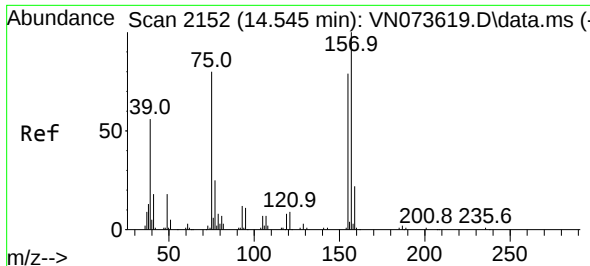
Tgt Ion: 75 Resp: 223420
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.304 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. 0.106 min
 Lab File: VN073902.D
 Acq: 15 Aug 2022 17:56

Tgt Ion: 75 Resp: 223420
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.0 117.0#
 89 0.5 37.2 55.8#

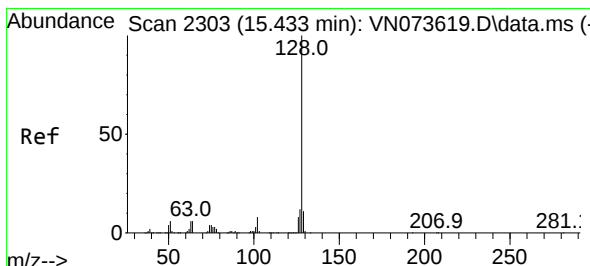
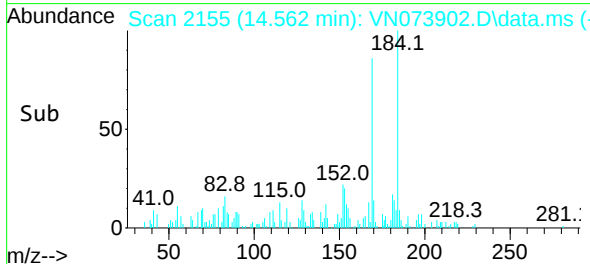
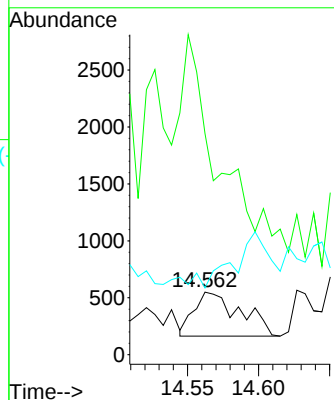
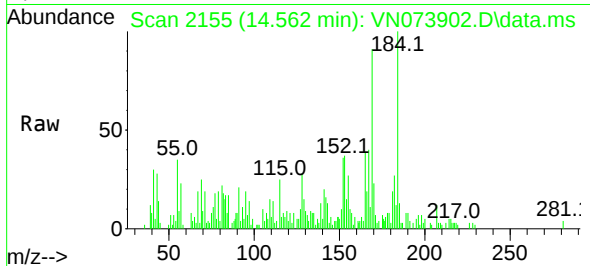




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.278 ug/l
 RT: 14.562 min Scan# 2155
 Delta R.T. 0.017 min
 Lab File: VN073902.D
 Acq: 15 Aug 2022 17:56

Instrument :
 MSVOA_N
 ClientSampleId :
 CONCRETE-STOCKPILE

Tgt Ion: 75 Resp: 870
 Ion Ratio Lower Upper
 75 100
 155 431.7 44.9 134.5#
 157 0.0 59.0 176.8#



#95
 Naphthalene
 Concen: 0.446 ug/l
 RT: 15.427 min Scan# 2302
 Delta R.T. -0.006 min
 Lab File: VN073902.D
 Acq: 15 Aug 2022 17:56

Tgt Ion: 128 Resp: 16961
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.3 15.5
 129 10.6 8.6 13.0

