

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073903.D
 Acq On : 15 Aug 2022 18:20
 Operator : JC\MD
 Sample : N4107-09
 Misc : 5.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-STOCKPILE

Quant Time: Aug 15 23:59:07 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

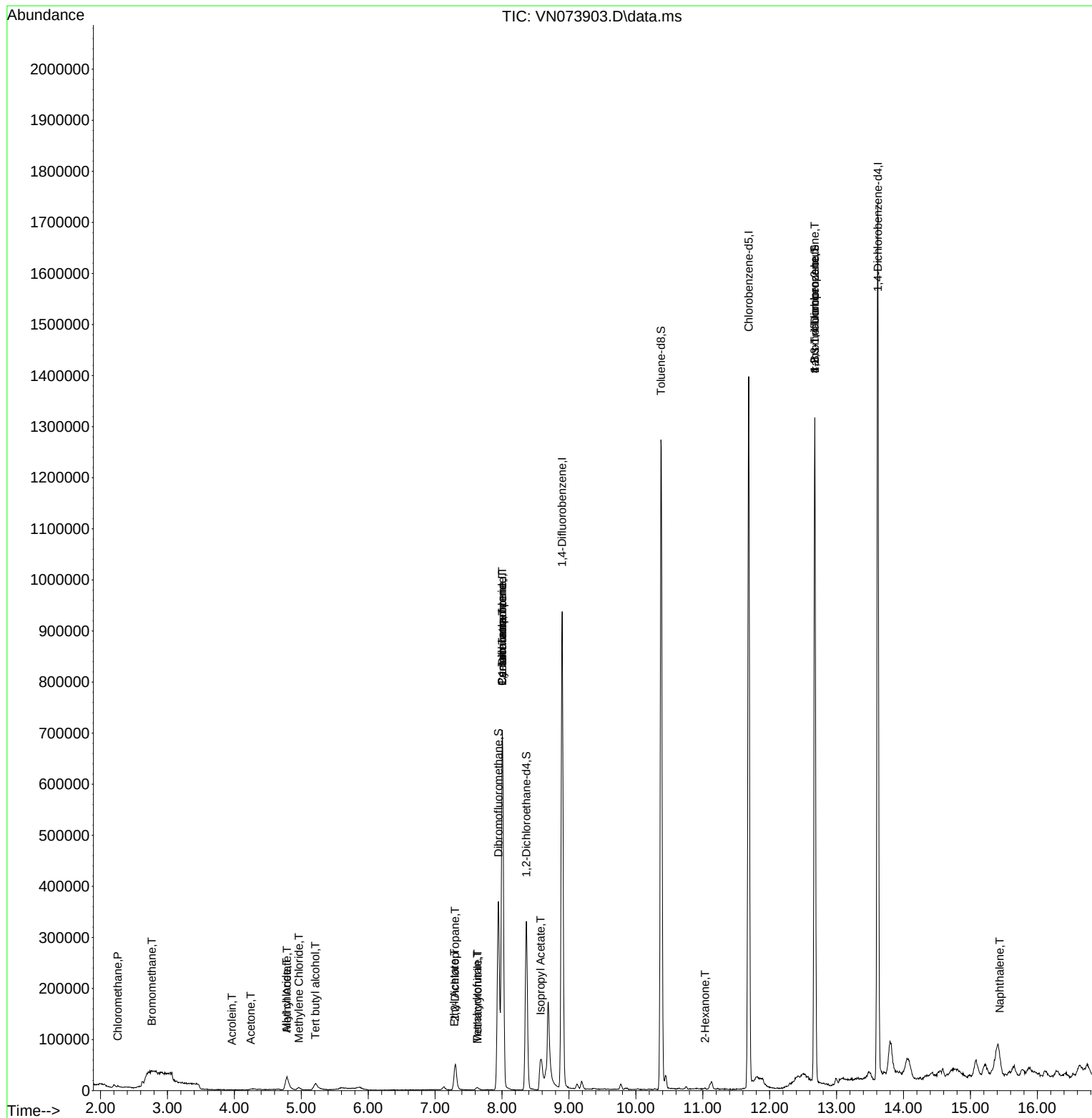
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.004	168	613470	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.898	114	889479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	864777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	500153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	281014	47.030	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.060%
35) Dibromofluoromethane	7.945	113	267810	50.912	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.820%
50) Toluene-d8	10.375	98	936402	45.964	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.920%
62) 4-Bromofluorobenzene	12.674	95	423053	62.570	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	125.140%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	1741	0.322	ug/l	92
5) Bromomethane	2.763	94	878	0.202	ug/l #	72
11) Tert butyl alcohol	5.210	59	14681	10.984	ug/l #	72
13) Acrolein	3.963	56	398	0.425	ug/l #	42
14) Allyl chloride	4.781	41	2794	0.390	ug/l #	24
16) Acetone	4.246	43	2551	0.905	ug/l #	82
18) Methyl Acetate	4.787	43	60658	6.391	ug/l	96
20) Methylene Chloride	4.963	84	3849	0.647	ug/l #	90
26) 2,2-Dichloropropane	7.298	77	3839	0.432	ug/l #	53
29) Tetrahydrofuran	7.628	42	4066	1.418	ug/l	96
31) Cyclohexane	8.004	56	9065	1.088	ug/l #	1
36) 1,1-Dichloropropene	8.004	75	38073	5.211	ug/l #	47
37) Ethyl Acetate	7.287	43	2151	0.243	ug/l #	67
38) Carbon Tetrachloride	8.004	117	53753	6.436	ug/l #	16
41) Methacrylonitrile	7.634	41	2652	0.663	ug/l #	34
43) Isopropyl Acetate	8.575	43	61432	4.872	ug/l #	53
59) 2-Hexanone	11.033	43	1464	0.223	ug/l #	48
76) 1,2,3-Trichloropropane	12.674	75	210378	19.797	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	210378	57.558	ug/l #	11
95) Naphthalene	15.439	128	8817	0.252	ug/l #	78

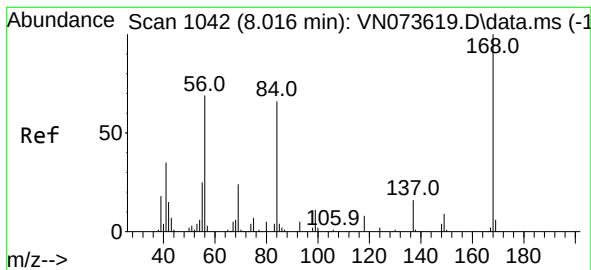
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.004 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN073903.D

Acq: 15 Aug 2022 18:20

Instrument :

MSVOA_N

ClientSampleId :

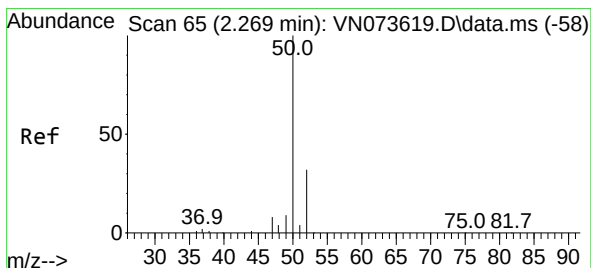
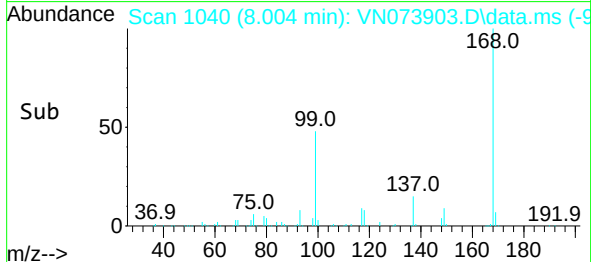
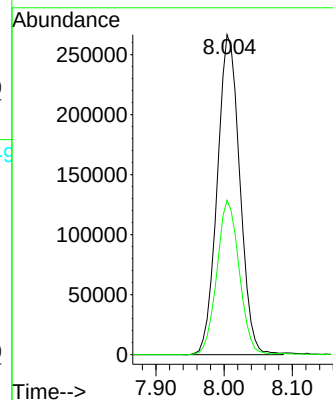
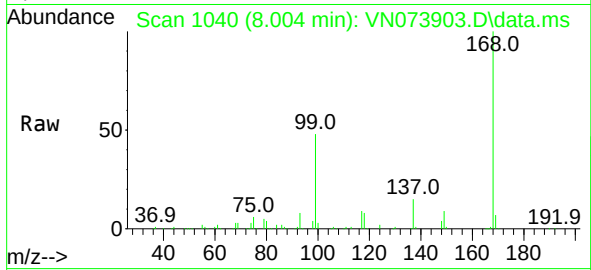
SOIL-STOCKPILE

Tgt Ion:168 Resp: 613470

Ion Ratio Lower Upper

168 100

99 48.3 42.3 63.5



#3

Chloromethane

Concen: 0.322 ug/l

RT: 2.257 min Scan# 63

Delta R.T. -0.012 min

Lab File: VN073903.D

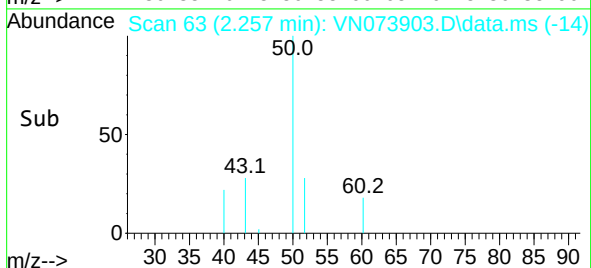
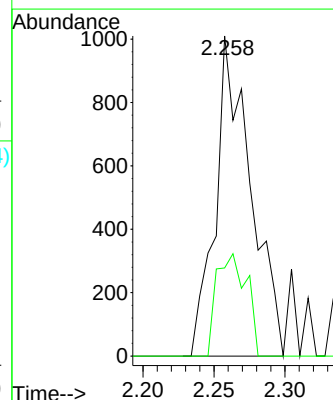
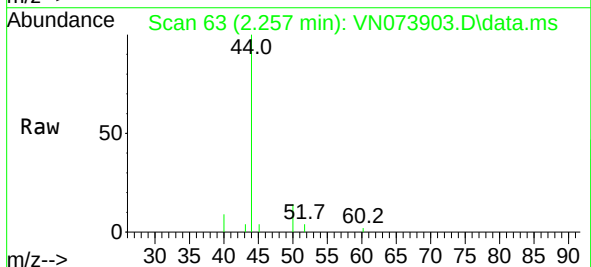
Acq: 15 Aug 2022 18:20

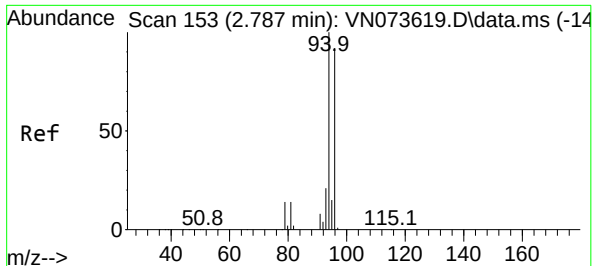
Tgt Ion: 50 Resp: 1741

Ion Ratio Lower Upper

50 100

52 27.5 25.7 38.5

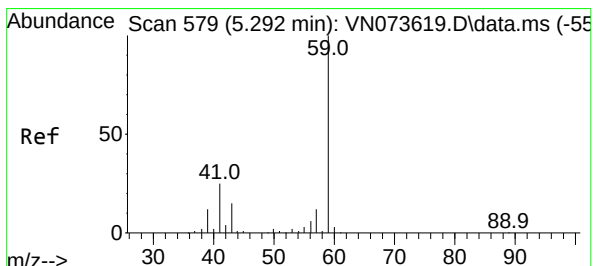
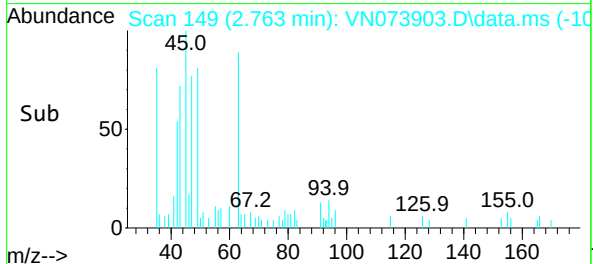
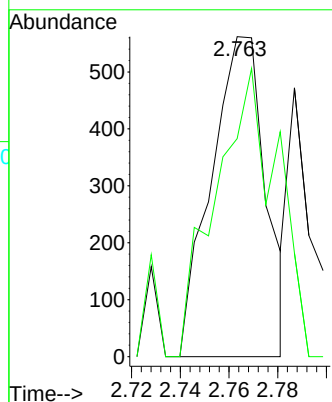
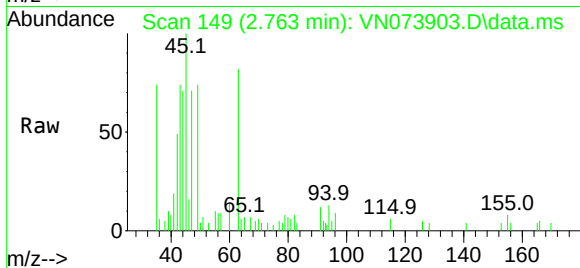




#5
Bromomethane
Concen: 0.202 ug/l
RT: 2.763 min Scan# 14
Delta R.T. -0.024 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

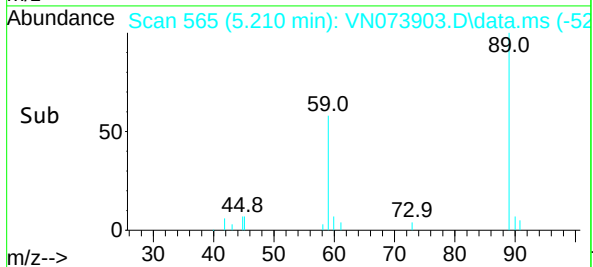
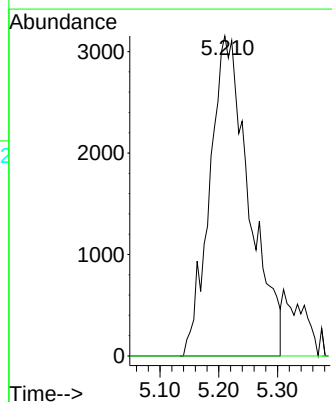
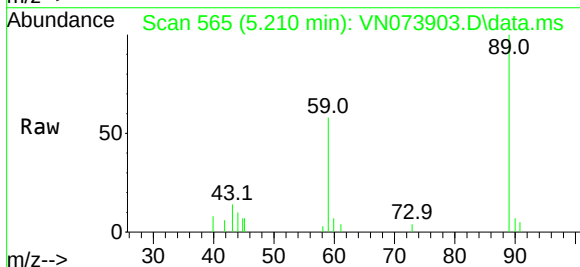
Instrument :
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SOIL-STOCKPILE

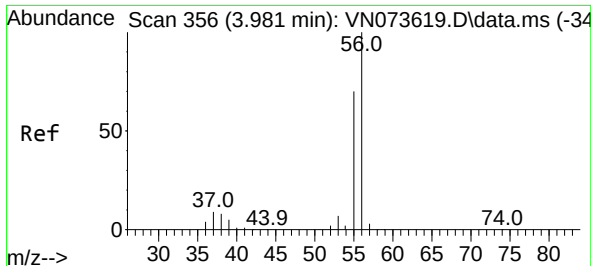
Tgt Ion: 94 Resp: 878
Ion Ratio Lower Upper
94 100
96 68.1 76.0 114.0#



#11
Tert butyl alcohol
Concen: 10.984 ug/l
RT: 5.210 min Scan# 565
Delta R.T. -0.082 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

Tgt Ion: 59 Resp: 14681
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.425 ug/l

RT: 3.963 min Scan# 3

Delta R.T. -0.018 min

Lab File: VN073903.D

Acq: 15 Aug 2022 18:20

Instrument :

MSVOA_N

ClientSampleId :

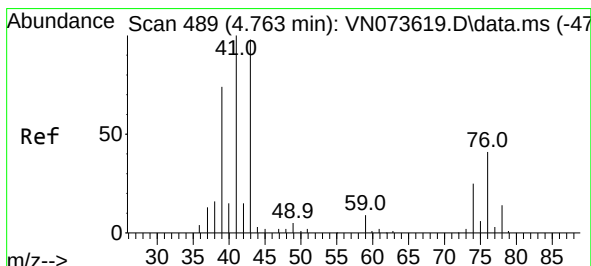
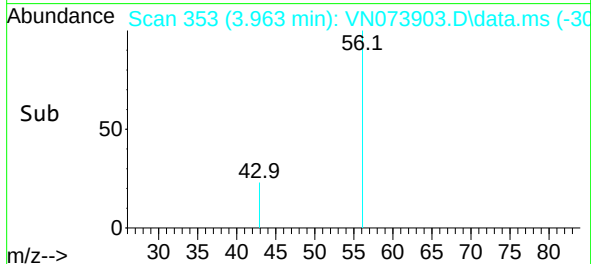
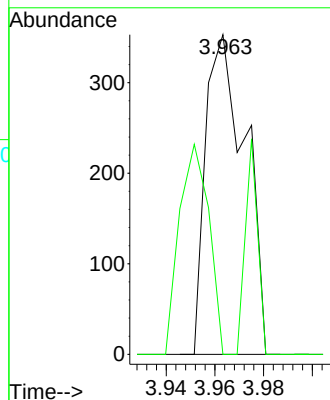
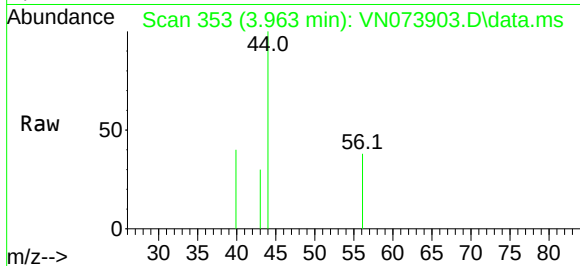
SOIL-STOCKPILE

Tgt Ion: 56 Resp: 398

Ion Ratio Lower Upper

56 100

55 21.1 54.8 82.2#



#14

Allyl chloride

Concen: 0.390 ug/l

RT: 4.781 min Scan# 492

Delta R.T. 0.018 min

Lab File: VN073903.D

Acq: 15 Aug 2022 18:20

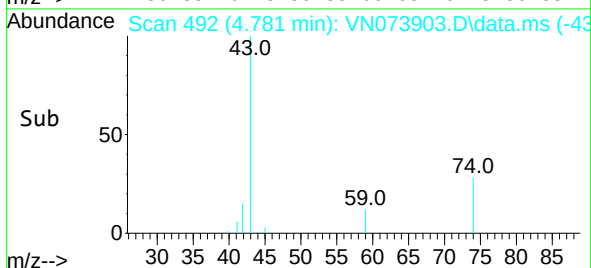
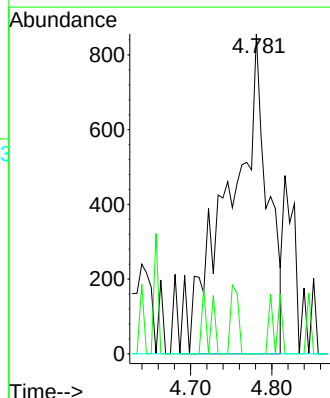
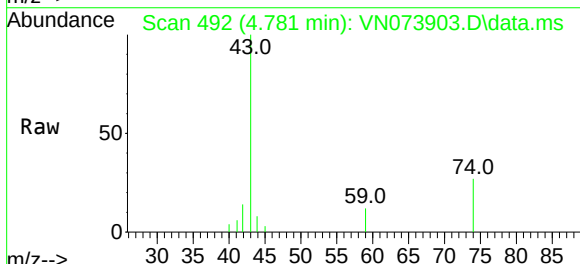
Tgt Ion: 41 Resp: 2794

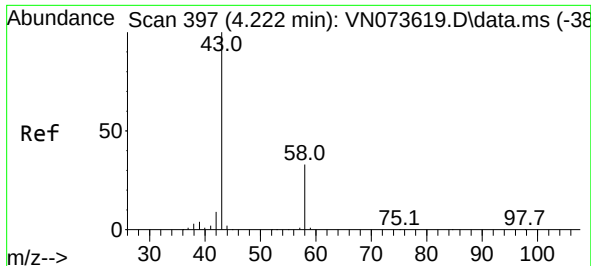
Ion Ratio Lower Upper

41 100

39 0.0 53.2 79.8#

76 0.0 29.9 44.9#





#16

Acetone

Concen: 0.905 ug/l

RT: 4.246 min Scan# 401

Delta R.T. 0.024 min

Lab File: VN073903.D

Acq: 15 Aug 2022 18:20

Instrument :

MSVOA_N

ClientSampleId :

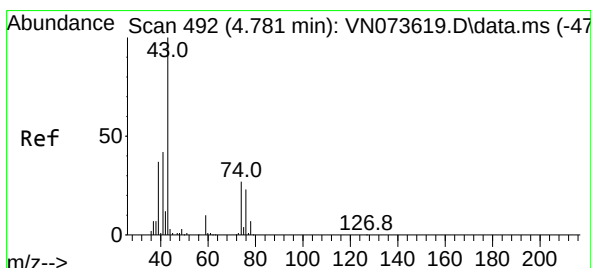
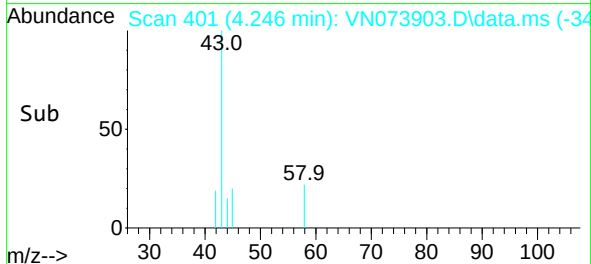
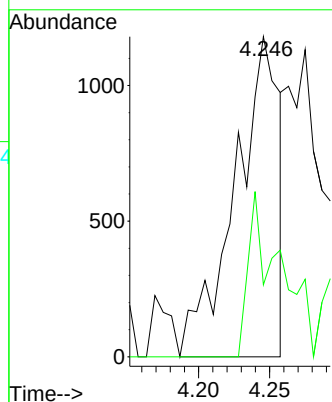
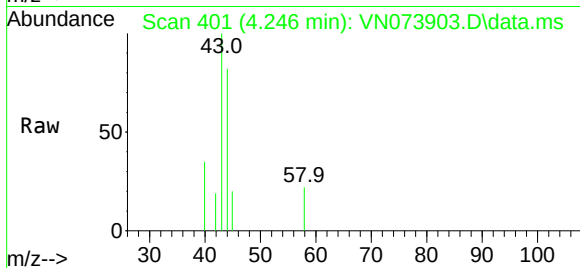
SOIL-STOCKPILE

Tgt Ion: 43 Resp: 2551

Ion Ratio Lower Upper

43 100

58 22.5 26.0 39.0#



#18

Methyl Acetate

Concen: 6.391 ug/l

RT: 4.787 min Scan# 493

Delta R.T. 0.006 min

Lab File: VN073903.D

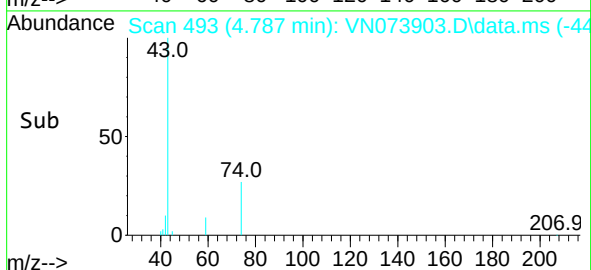
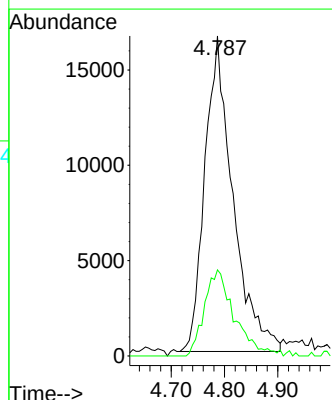
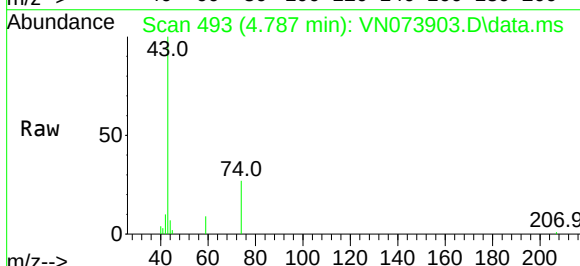
Acq: 15 Aug 2022 18:20

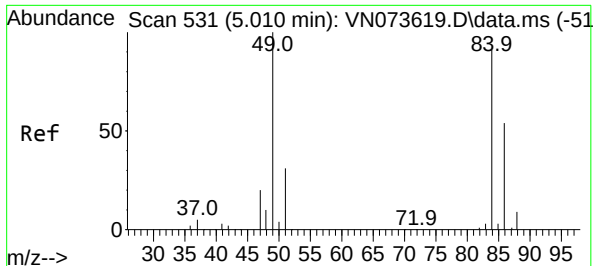
Tgt Ion: 43 Resp: 60658

Ion Ratio Lower Upper

43 100

74 29.2 21.6 32.4

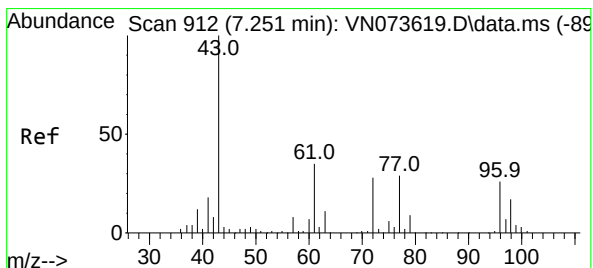
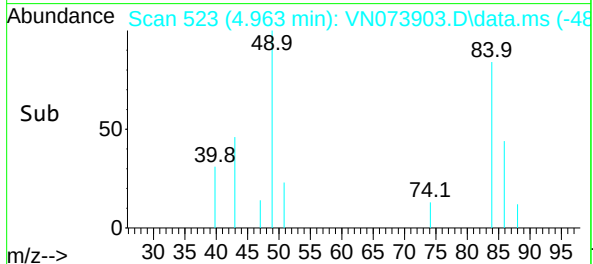
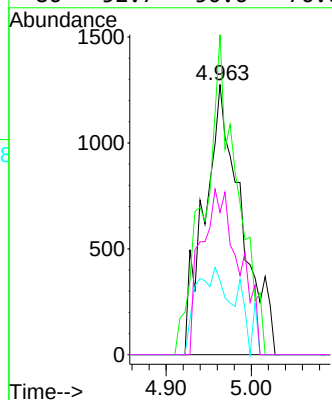
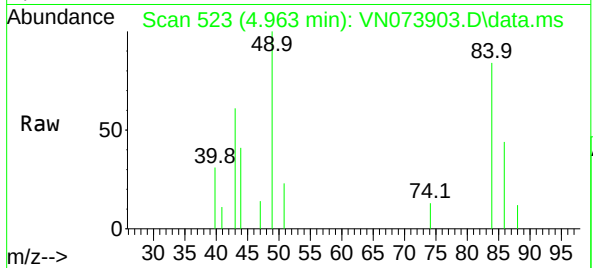




#20
Methylene Chloride
Concen: 0.647 ug/l
RT: 4.963 min Scan# 51
Delta R.T. -0.047 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

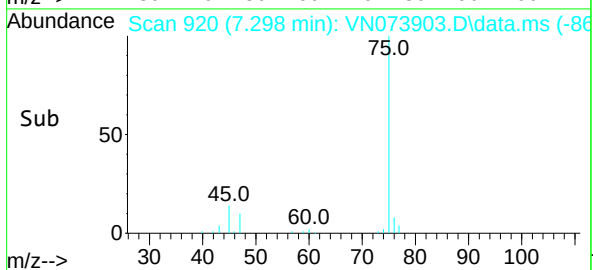
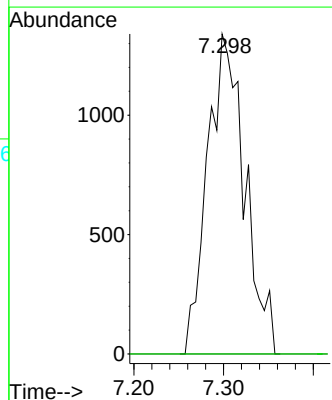
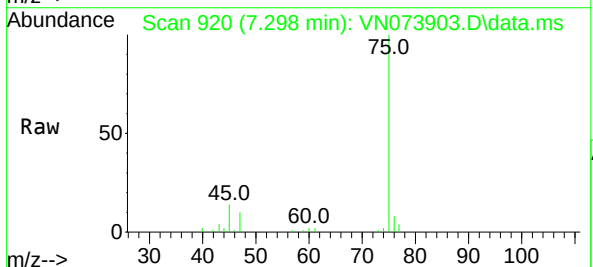
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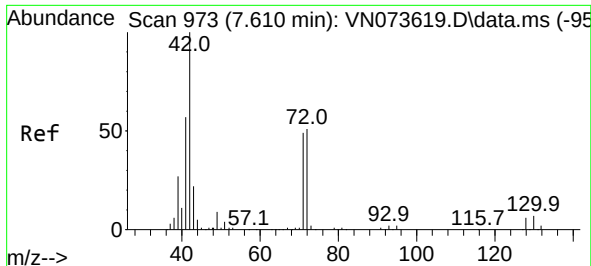
Tgt Ion: 84	Resp:	3849	
Ion	Ratio	Lower	Upper
84	100		
49	118.4	88.3	132.5
51	27.4	28.2	42.2#
86	52.7	50.6	76.0



#26
2,2-Dichloropropane
Concen: 0.432 ug/l
RT: 7.298 min Scan# 920
Delta R.T. 0.047 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

Tgt Ion: 77	Resp:	3839	
Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.4	34.2#





#29

Tetrahydrofuran

Concen: 1.418 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN073903.D

Acq: 15 Aug 2022 18:20

Instrument :

MSVOA_N

ClientSampleId :

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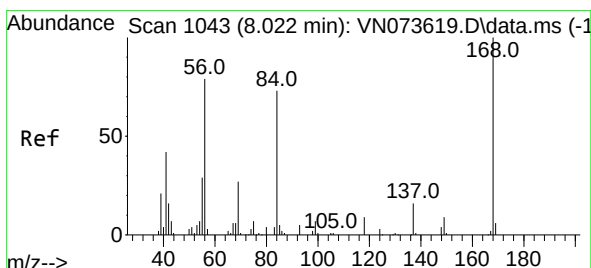
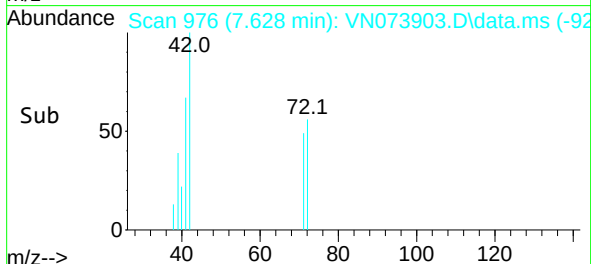
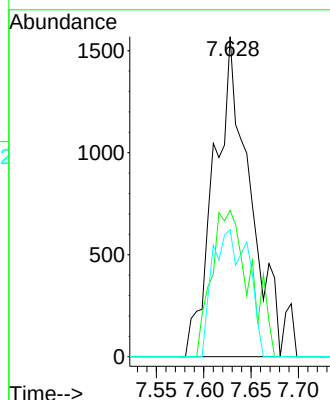
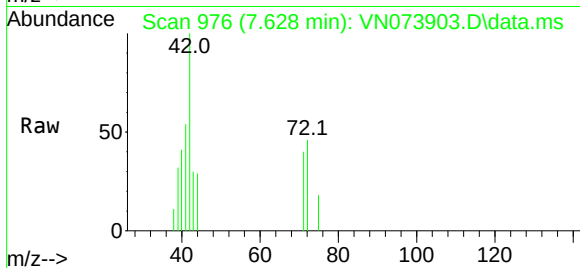
Tgt Ion: 42 Resp: 4066

Ion Ratio Lower Upper

42 100

72 49.4 39.7 59.5

71 40.0 36.6 55.0



#31

Cyclohexane

Concen: 1.088 ug/l

RT: 8.004 min Scan# 1040

Delta R.T. -0.018 min

Lab File: VN073903.D

Acq: 15 Aug 2022 18:20

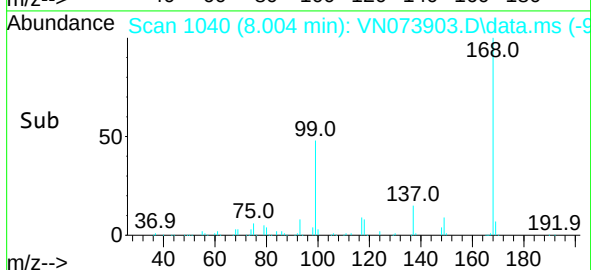
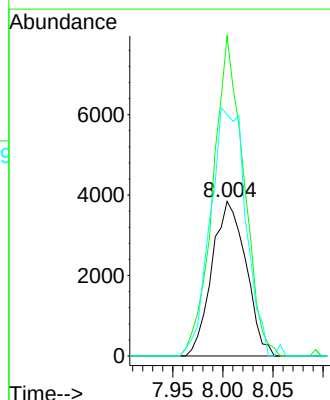
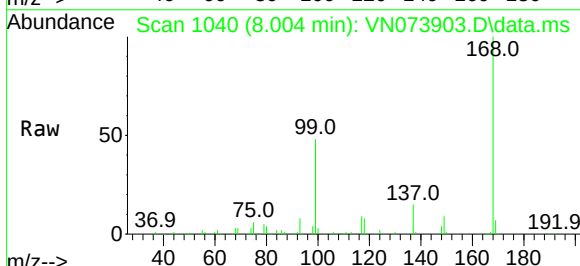
Tgt Ion: 56 Resp: 9065

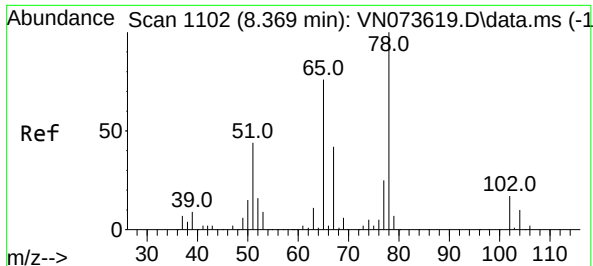
Ion Ratio Lower Upper

56 100

69 207.1 27.8 41.8#

84 156.2 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.030 ug/l

RT: 8.363 min Scan# 1101

Delta R.T. -0.006 min

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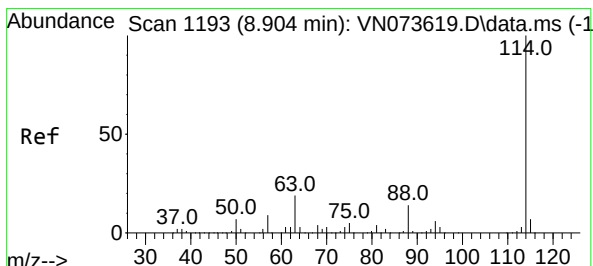
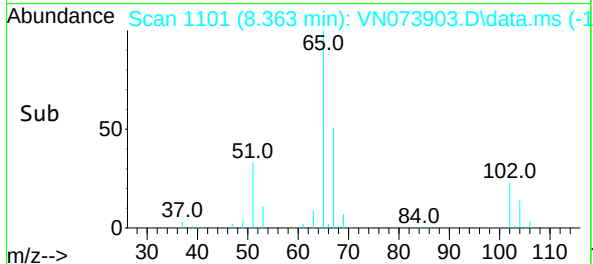
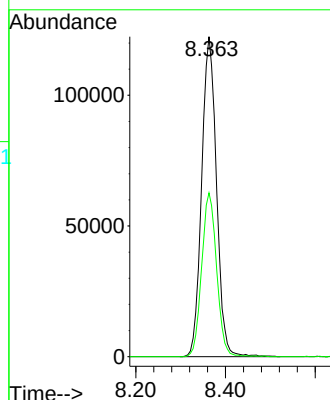
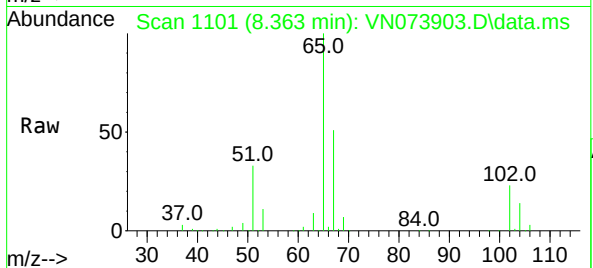
SOIL-STOCKPILE

Tgt Ion: 65 Resp: 281014

Ion Ratio Lower Upper

65 100

67 51.4 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: VN073903.D

Acq: 15 Aug 2022 18:20

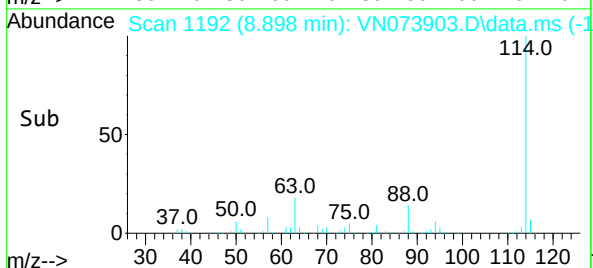
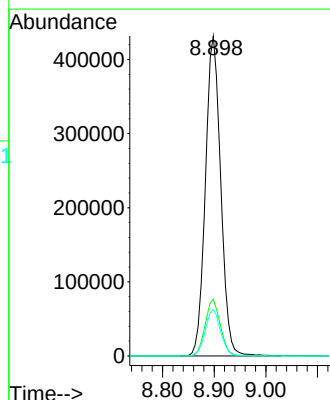
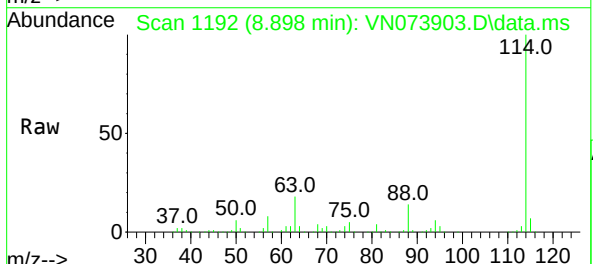
Tgt Ion: 114 Resp: 889479

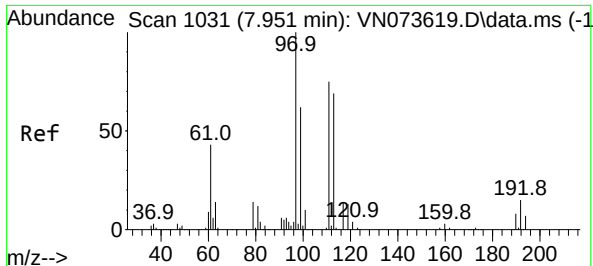
Ion Ratio Lower Upper

114 100

63 17.7 0.0 40.0

88 14.5 0.0 32.6

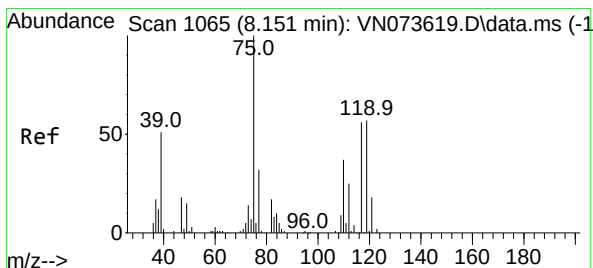
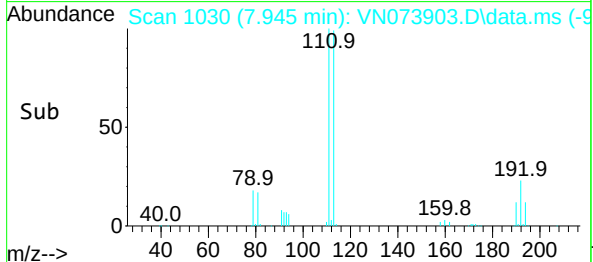
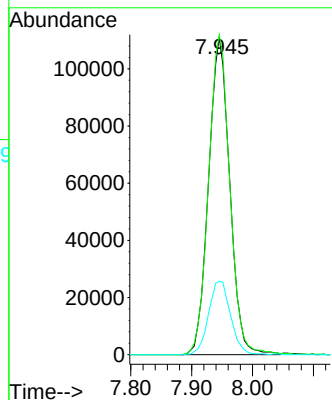
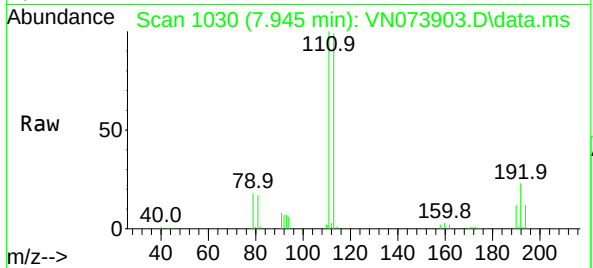




#35
Dibromofluoromethane
Concen: 50.912 ug/l
RT: 7.945 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

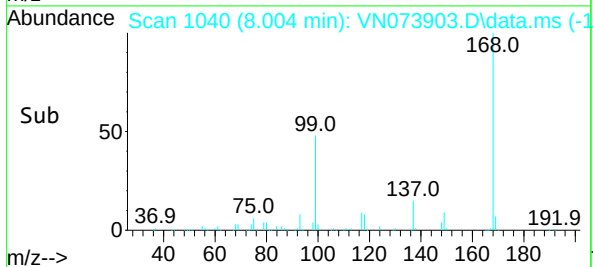
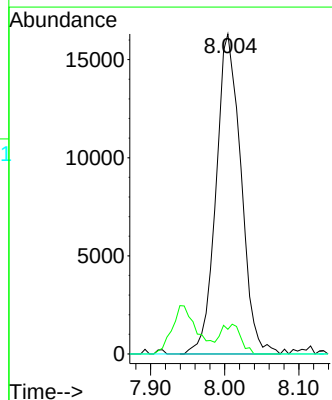
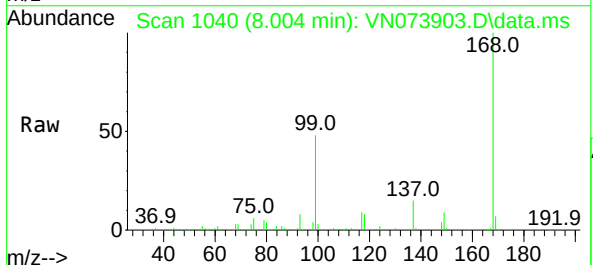
Instrument :
MSVOA_N
ClientSampleId :
SOIL-STOCKPILE

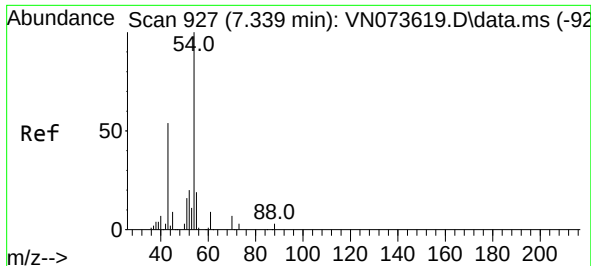
Tgt Ion:113 Resp: 267810
Ion Ratio Lower Upper
113 100
111 101.4 81.4 122.0
192 24.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.211 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.147 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

Tgt Ion: 75 Resp: 38073
Ion Ratio Lower Upper
75 100
110 7.4 18.3 54.8#
77 0.0 25.1 37.7#

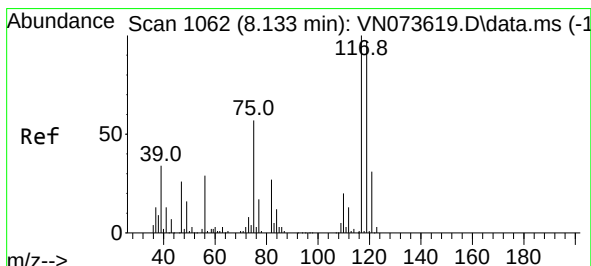
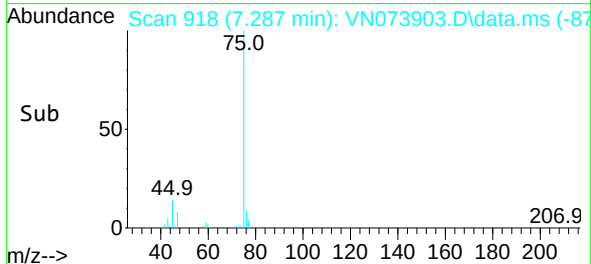
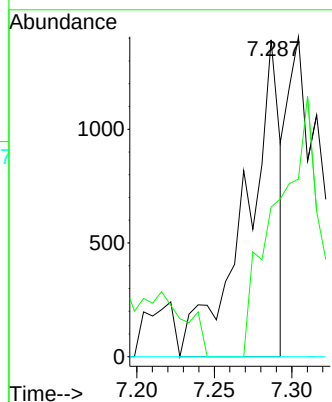
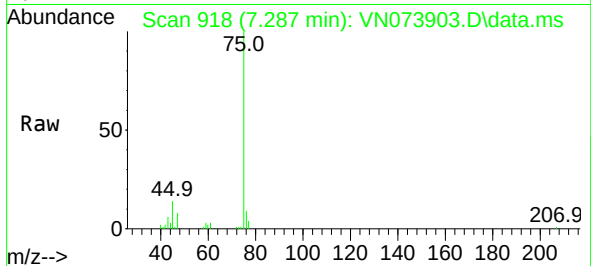




#37
Ethyl Acetate
Concen: 0.243 ug/l
RT: 7.287 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

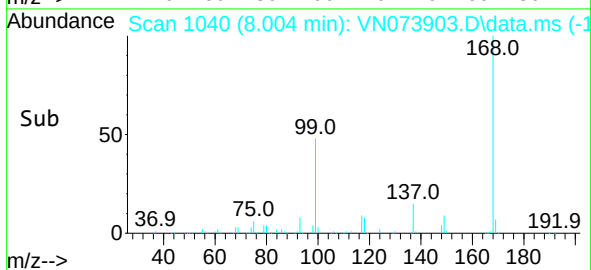
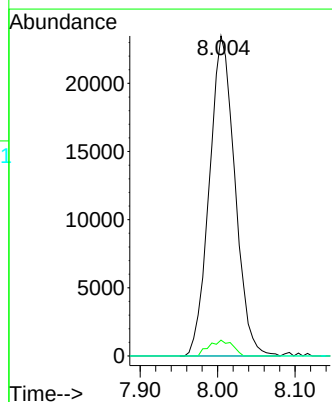
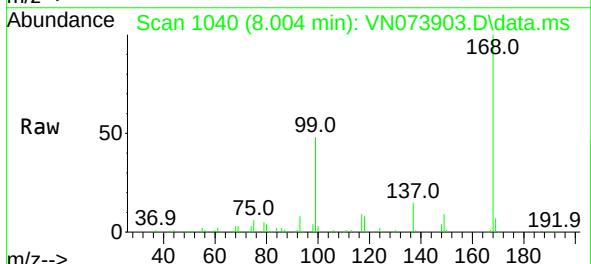
Instrument :
MSVOA_N
ClientSampleId :
SOIL-STOCKPILE

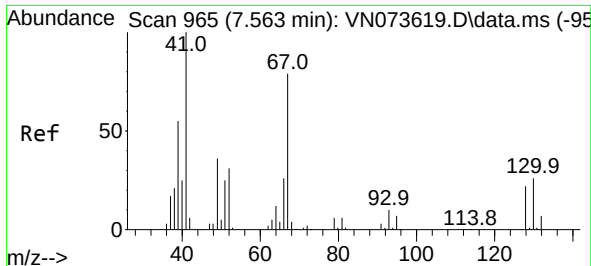
Tgt Ion: 43 Resp: 2151
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.436 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.129 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

Tgt Ion: 117 Resp: 53753
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#

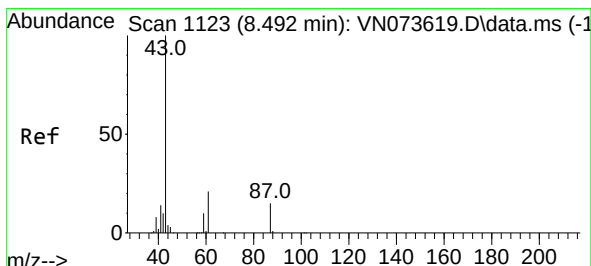
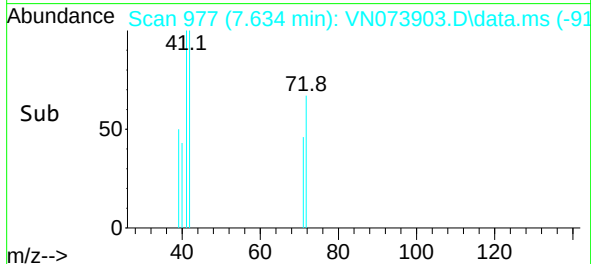
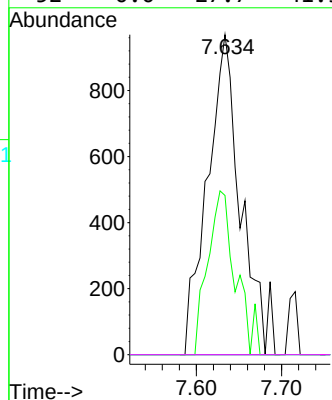
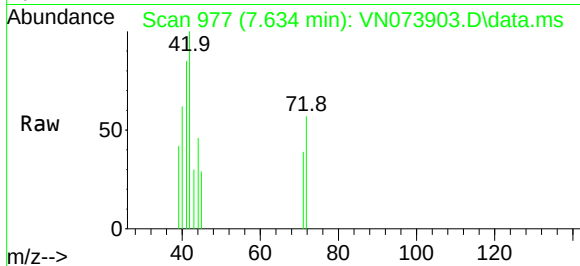




#41
Methacrylonitrile
Concen: 0.663 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.071 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

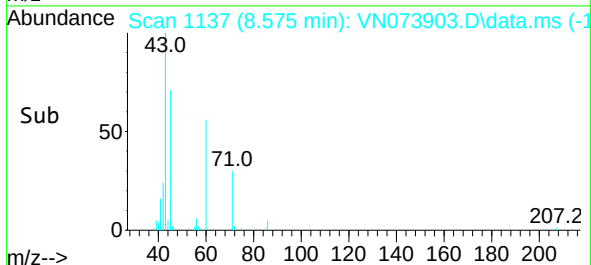
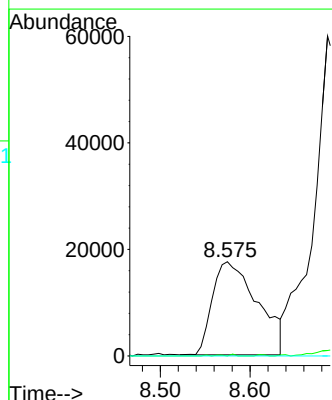
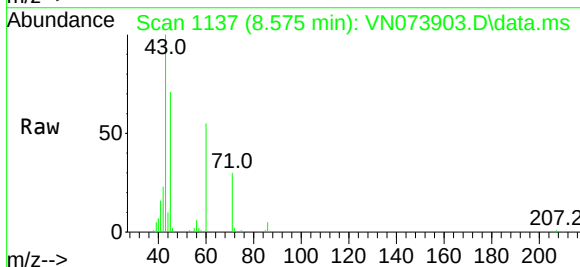
Instrument :
MSVOA_N
ClientSampleId :
SOIL-STOCKPILE

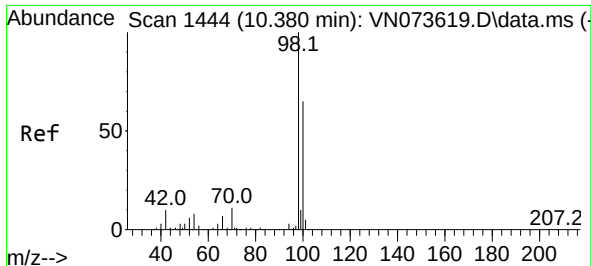
Tgt Ion: 41	Resp: 2652
Ion Ratio	Lower Upper
41 100	
39 42.6	48.6 73.0#
67 0.0	73.4 110.2#
52 0.0	27.7 41.5#



#43
Isopropyl Acetate
Concen: 4.872 ug/l
RT: 8.575 min Scan# 1137
Delta R.T. 0.082 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

Tgt Ion: 43	Resp: 61432
Ion Ratio	Lower Upper
43 100	
61 0.0	21.9 32.9#
87 0.0	12.0 18.0#

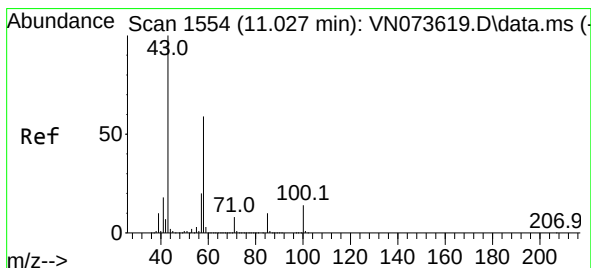
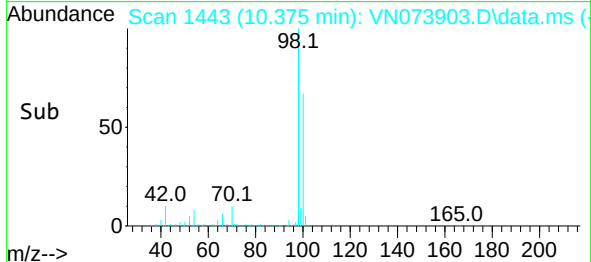
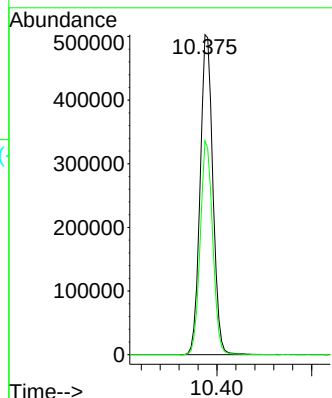
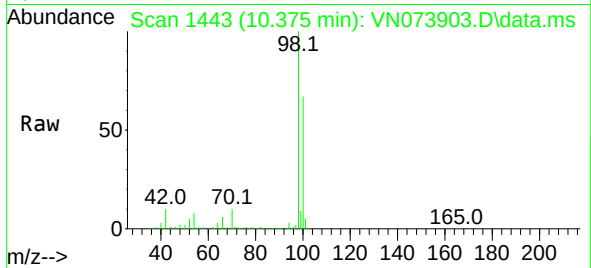




#50
Toluene-d8
Concen: 45.964 ug/l
RT: 10.375 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

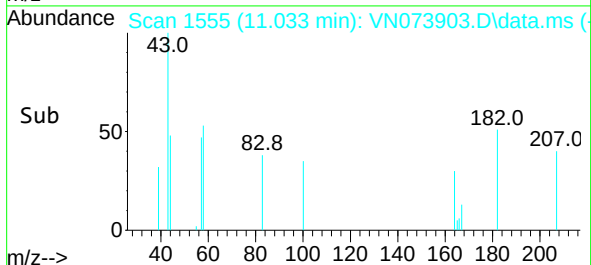
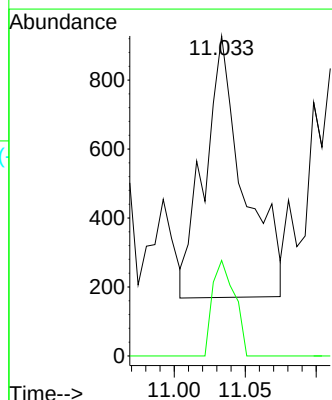
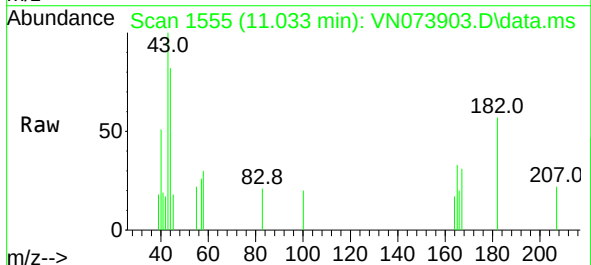
Instrument :
MSVOA_N
ClientSampleId :
SOIL-STOCKPILE

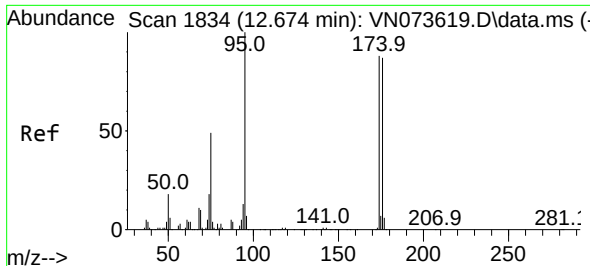
Tgt Ion: 98 Resp: 936402
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#59
2-Hexanone
Concen: 0.223 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
58 20.6 29.7 89.1#

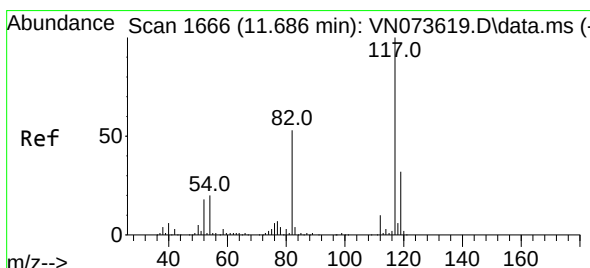
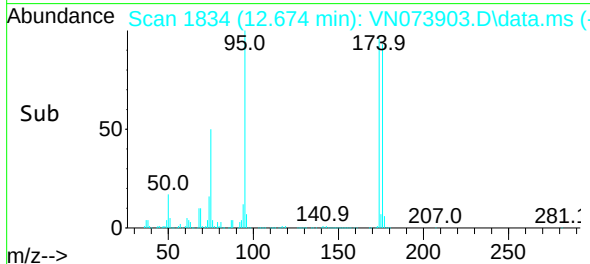
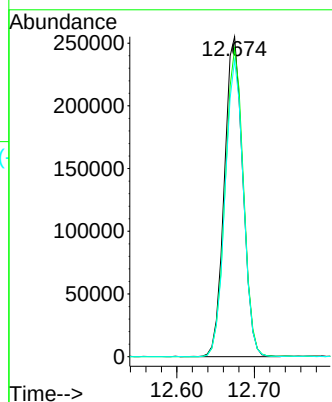
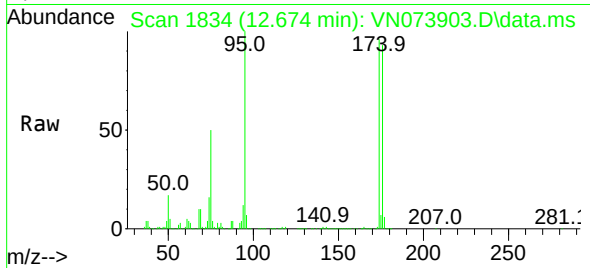




#62
4-Bromofluorobenzene
Concen: 62.570 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

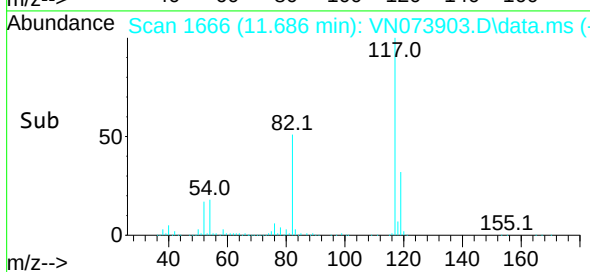
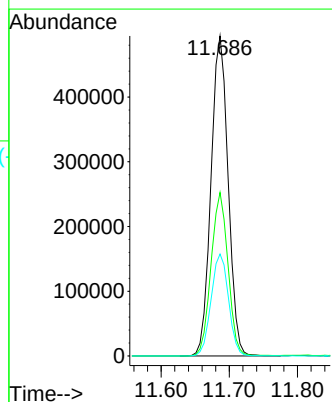
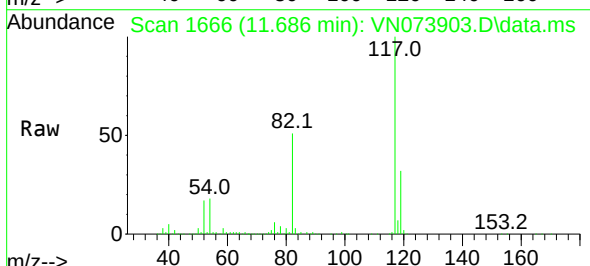
Instrument :
MSVOA_N
ClientSampleId :
SOIL-STOCKPILE

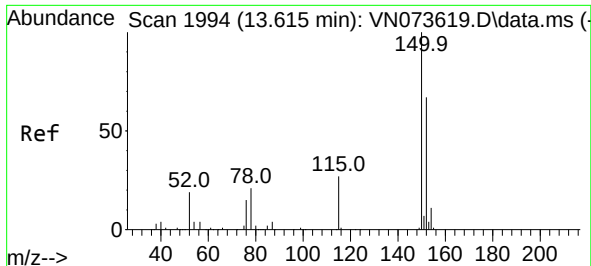
Tgt Ion: 95 Resp: 423053
Ion Ratio Lower Upper
95 100
174 95.4 0.0 167.6
176 91.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073903.D
Acq: 15 Aug 2022 18:20

Tgt Ion: 117 Resp: 864777
Ion Ratio Lower Upper
117 100
82 51.1 44.2 66.2
119 31.8 25.4 38.0

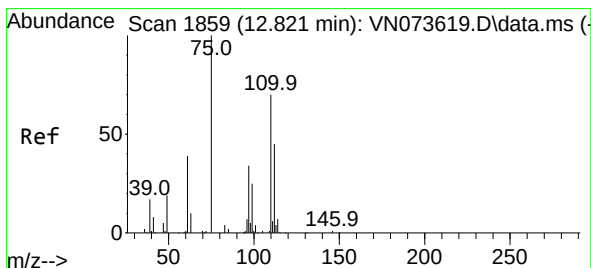
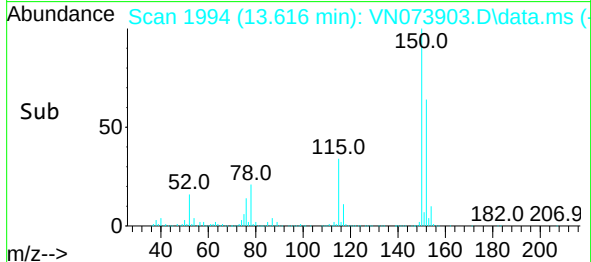
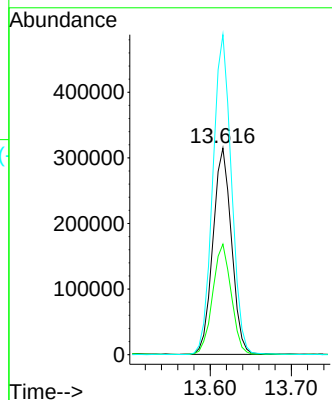
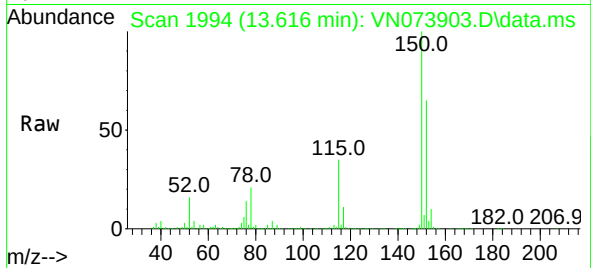




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: VN073903.D
 Acq: 15 Aug 2022 18:20

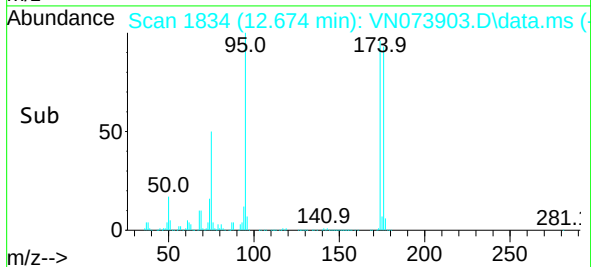
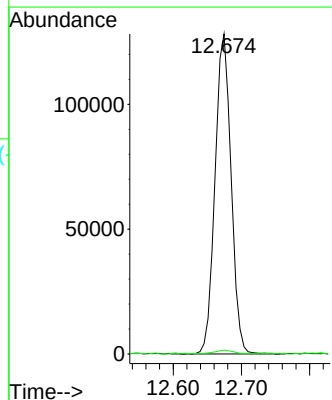
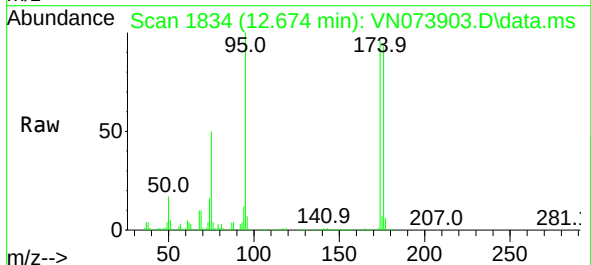
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-STOCKPILE

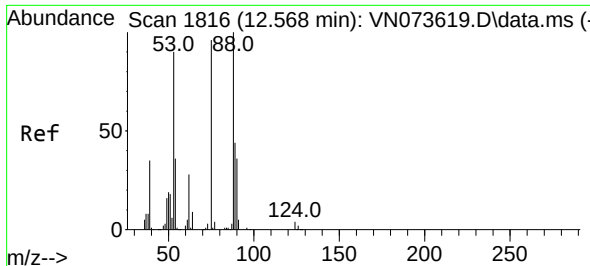
Tgt Ion:152 Resp: 500153
 Ion Ratio Lower Upper
 152 100
 115 53.5 28.9 86.7
 150 156.0 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 19.797 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN073903.D
 Acq: 15 Aug 2022 18:20

Tgt Ion: 75 Resp: 210378
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#

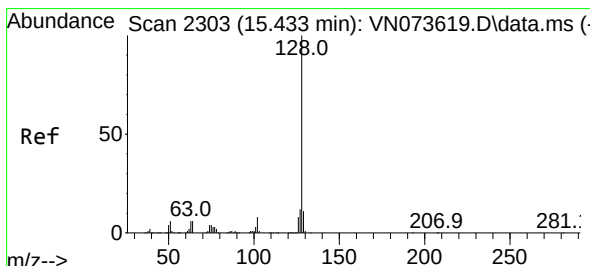
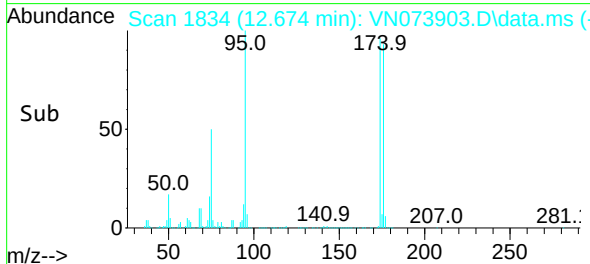
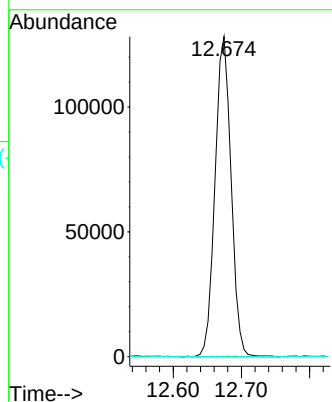
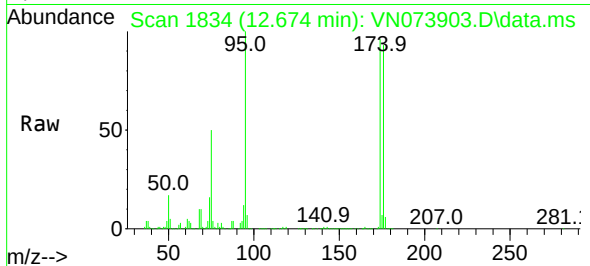




#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.558 ug/l
 RT: 12.674 min Scan# 1816
 Delta R.T. 0.106 min
 Lab File: VN073903.D
 Acq: 15 Aug 2022 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-STOCKPILE

Tgt Ion: 75 Resp: 210378
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.1 37.2 55.8#



#95
 Naphthalene
 Concen: 0.252 ug/l
 RT: 15.439 min Scan# 2304
 Delta R.T. 0.006 min
 Lab File: VN073903.D
 Acq: 15 Aug 2022 18:20

Tgt Ion: 128 Resp: 8817
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 14.4 8.6 13.0#

