

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
 Data File : VN077873.D
 Acq On : 25 May 2023 01:48
 Operator : JC\MD
 Sample : 02897-01
 Misc : 5.03g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOLIDS-0523

Quant Time: May 25 05:01:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	396669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	697099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	646906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	337327	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	245100	41.296	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	82.600%
35) Dibromofluoromethane	8.171	113	213792	47.032	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.060%
50) Toluene-d8	10.571	98	864889	49.431	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.860%
62) 4-Bromofluorobenzene	12.853	95	329558	53.331	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.660%

Target Compounds			Qvalue			
3) Chloromethane	2.371	50	1318	Below Cal	#	42
5) Bromomethane	2.954	94	1022	0.243	ug/l #	34
10) Methyl Iodide	4.612	142	1160	0.222	ug/l #	22
13) Acrolein	4.201	56	79	Below Cal	#	1
16) Acetone	4.448	43	2415	1.293	ug/l #	76
17) Carbon Disulfide	4.706	76	2946	0.262	ug/l #	75
18) Methyl Acetate	5.036	43	6224	0.795	ug/l #	51
20) Methylene Chloride	5.277	84	5384	Below Cal		96
25) 2-Butanone	7.500	43	5534	1.895	ug/l	87
27) cis-1,2-Dichloroethene	7.483	96	2707	0.482	ug/l #	1
29) Tetrahydrofuran	7.865	42	1559	0.815	ug/l #	62
31) Cyclohexane	8.224	56	19691	2.441	ug/l #	67
36) 1,1-Dichloropropene	8.230	75	34010	5.115	ug/l #	48
38) Carbon Tetrachloride	8.230	117	44828	6.677	ug/l #	16
39) Methylcyclohexane	9.600	83	33123	4.069	ug/l #	76
43) Isopropyl Acetate	8.706	43	4425	0.457	ug/l #	49
44) Trichloroethene	9.359	130	5275	1.062	ug/l	97
47) Bromodichloromethane	9.883	83	3402	0.496	ug/l #	26
48) Methyl methacrylate	9.647	41	8597	1.873	ug/l #	18
51) 4-Methyl-2-Pentanone	10.500	43	3849	0.669	ug/l #	68
52) Toluene	10.641	92	13532	1.108	ug/l	96
55) 1,1,2-Trichloroethane	11.006	97	19734	4.069	ug/l #	26
56) Ethyl methacrylate	10.877	69	3573	0.487	ug/l #	79
59) 2-Hexanone	11.177	43	36939	8.680	ug/l #	25
64) Tetrachloroethene	11.118	164	30041	6.640	ug/l	93
67) Ethyl Benzene	11.971	91	66197	2.634	ug/l	97
68) m/p-Xylenes	12.077	106	119215	12.519	ug/l	98
69) o-Xylene	12.412	106	45286	4.836	ug/l	100
70) Styrene	12.418	104	9638	0.648	ug/l #	29
73) Isopropylbenzene	12.712	105	93408	3.212	ug/l	77
74) N-amyl acetate	12.488	43	55114	5.128	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.918	83	8822	0.986	ug/l	79
76) 1,2,3-Trichloropropane	13.106	75	6483	0.767	ug/l #	1
78) n-propylbenzene	13.041	91	150821	4.400	ug/l	98
79) 2-Chlorotoluene	13.106	91	54348	2.657	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.182	105	373660	15.290	ug/l	94

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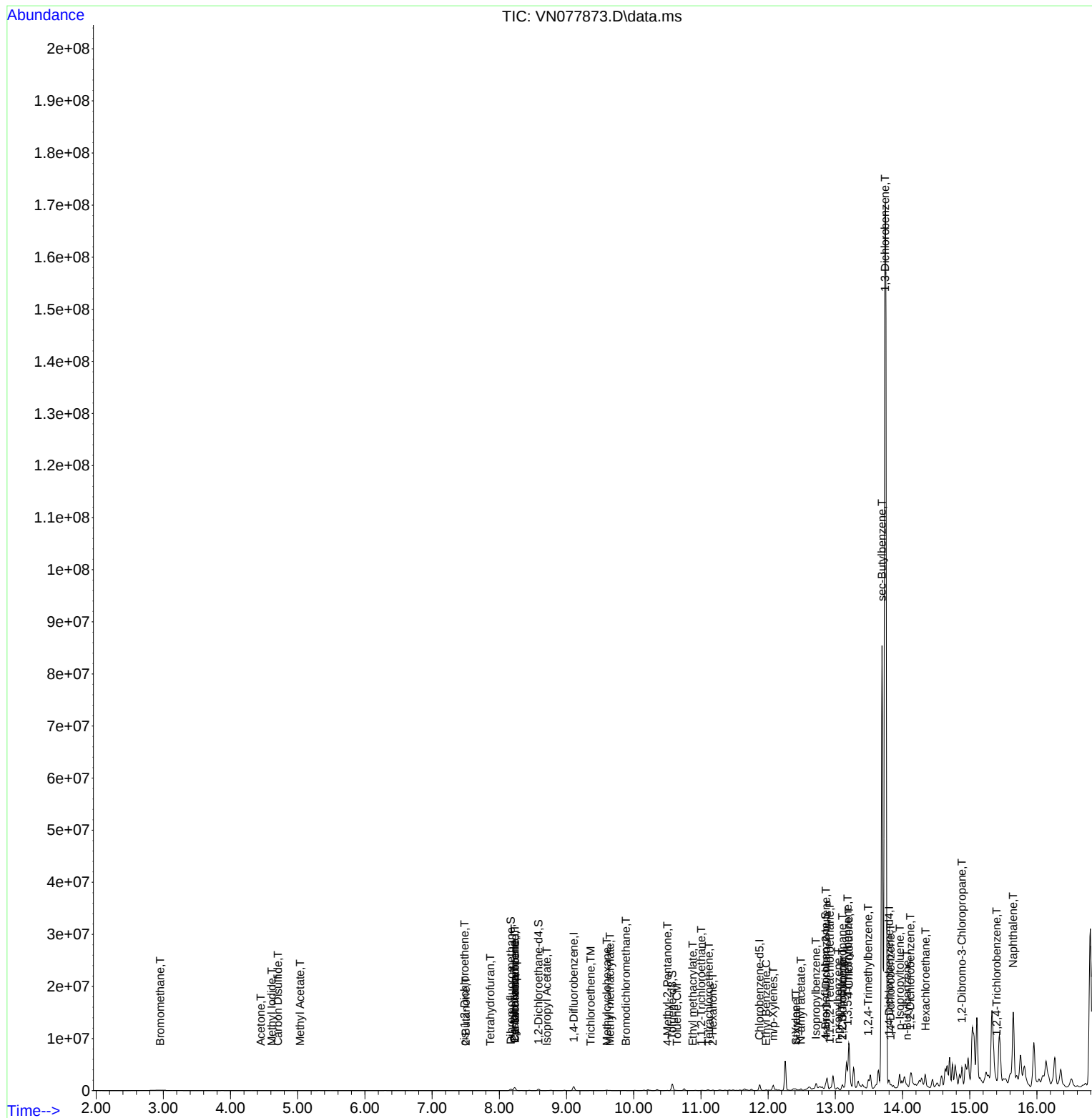
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-b...	12.859	75	162590	61.521	ug/l #	41
82) 4-Chlorotoluene	13.200	91	295649	14.526	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.488	105	903903	37.608	ug/l #	32
85) sec-Butylbenzene	13.694	105	286143	9.437	ug/l #	57
86) p-Isopropyltoluene	13.959	119	254913	10.546	ug/l #	1
87) 1,3-Dichlorobenzene	13.741	146	2870	0.234	ug/l #	1
88) 1,4-Dichlorobenzene	13.823	146	5631	0.462	ug/l #	1
89) n-Butylbenzene	14.065	91	238231	10.715	ug/l #	81
90) Hexachloroethane	14.341	117	111677	28.123	ug/l #	22
91) 1,2-Dichlorobenzene	14.118	146	6091	0.531	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.882	75	10505	6.066	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	7462	1.114	ug/l #	1
95) Naphthalene	15.647	128	11753601	509.702	ug/l	98

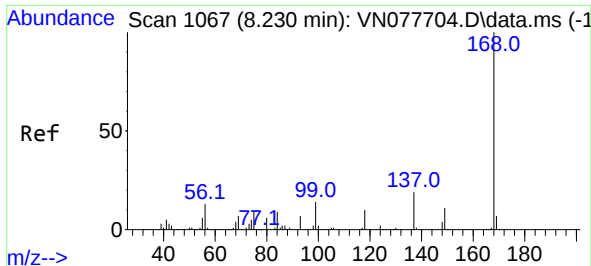
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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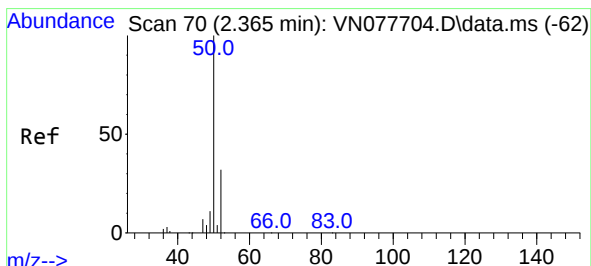
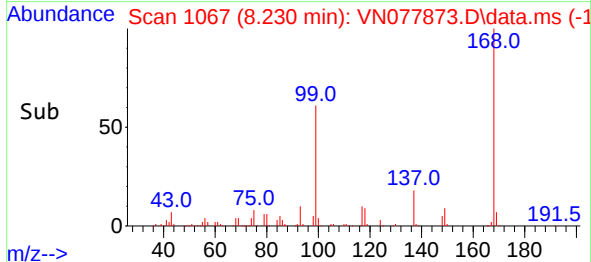
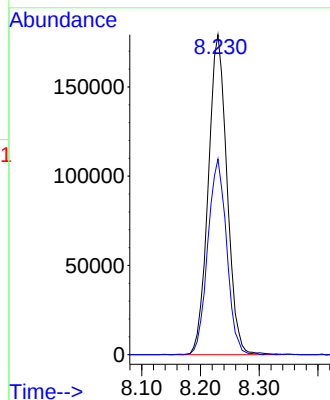
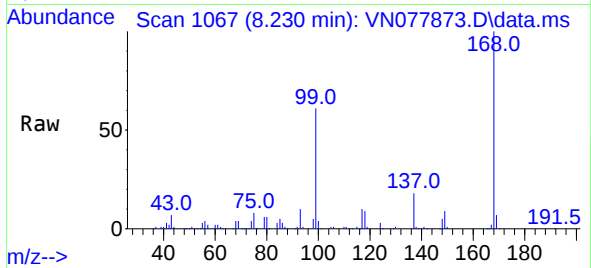




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

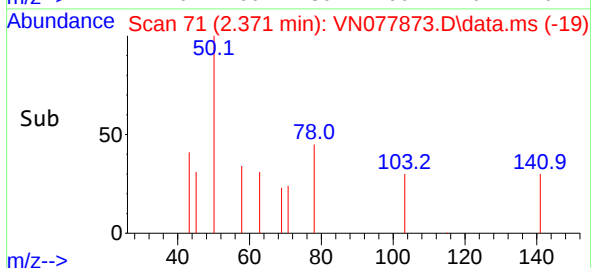
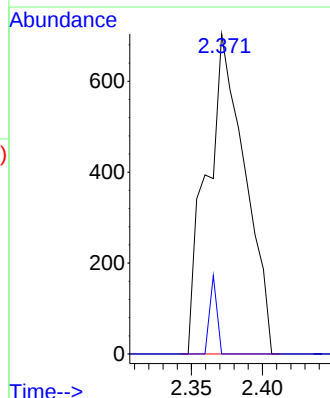
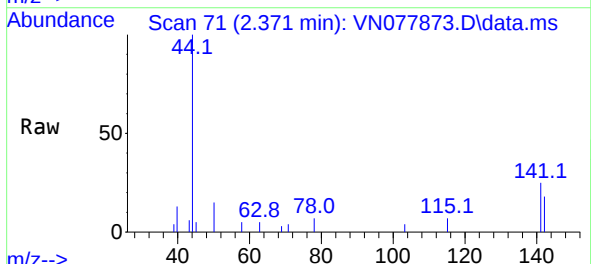
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

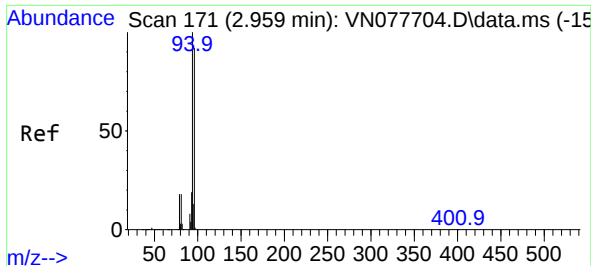
Tgt Ion:168 Resp: 396669
Ion Ratio Lower Upper
168 100
99 61.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion: 50 Resp: 1318
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

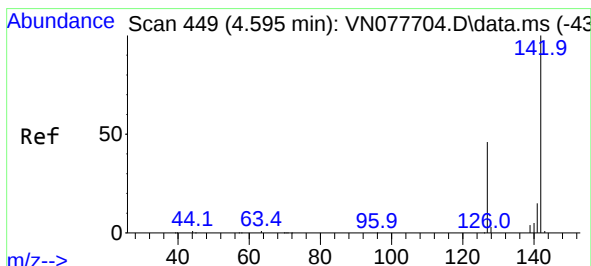
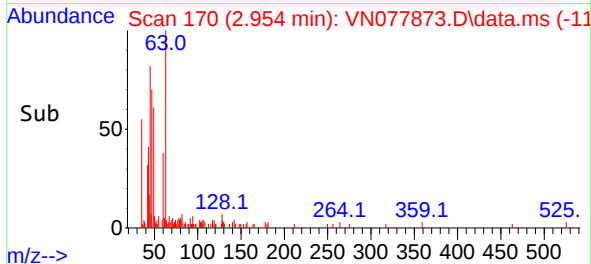
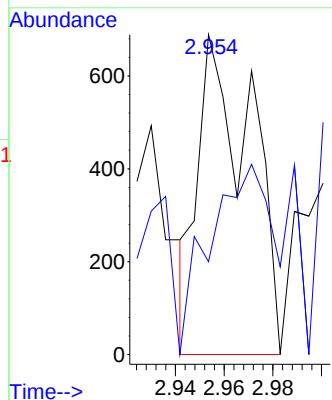
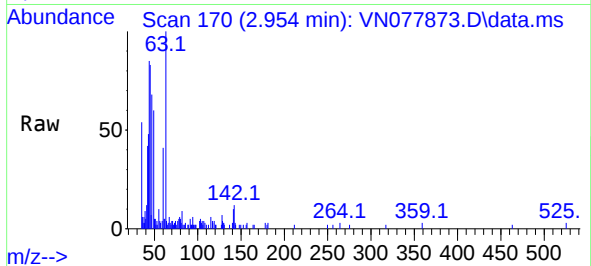




#5
Bromomethane
Concen: 0.243 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.007 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

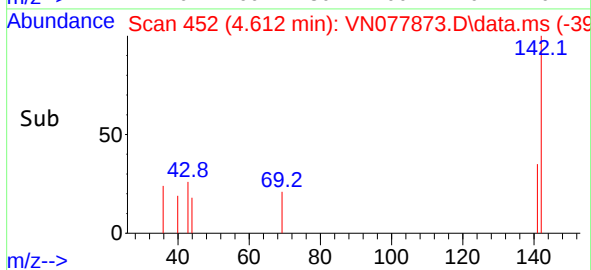
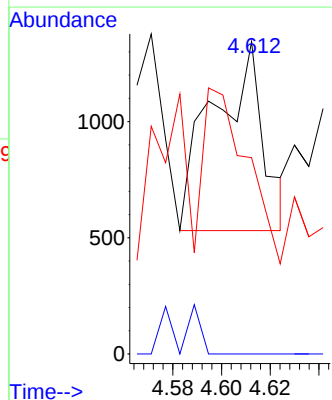
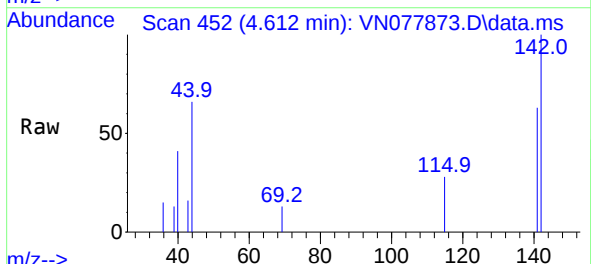
Instrument :
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ClientSampleId :
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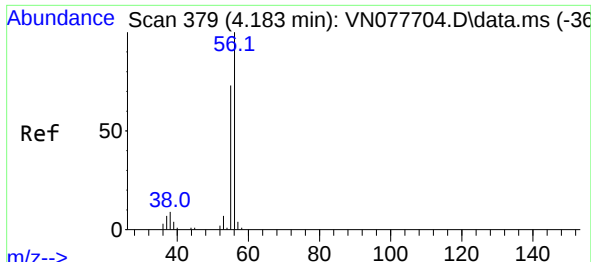
Tgt Ion: 94 Resp: 1022
Ion Ratio Lower Upper
94 100
96 29.0 73.1 109.7#



#10
Methyl Iodide
Concen: 0.222 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.018 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion: 142 Resp: 1160
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 56.2 11.4 17.0#

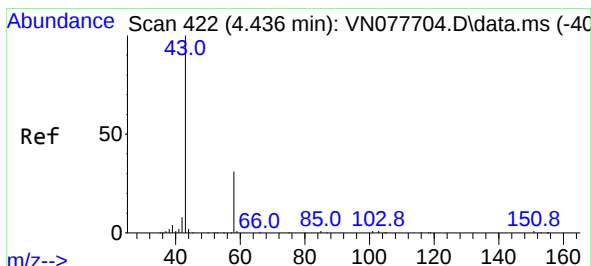
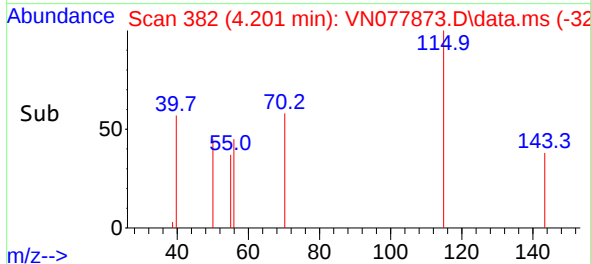
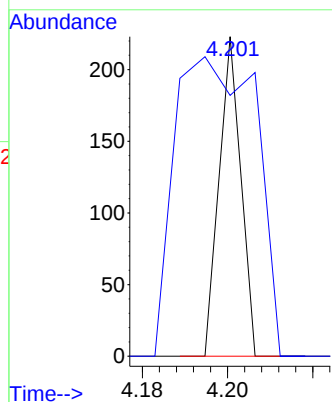
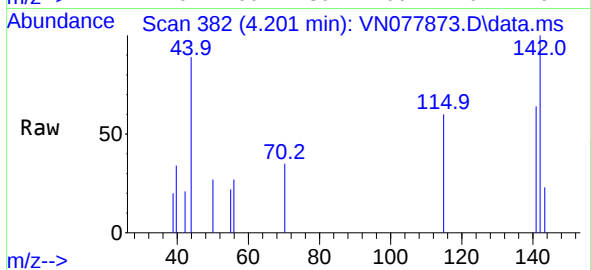




#13
Acrolein
Concen: Below Cal
RT: 4.201 min Scan# 382
Delta R.T. 0.012 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

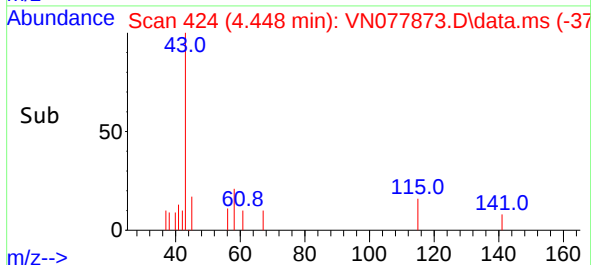
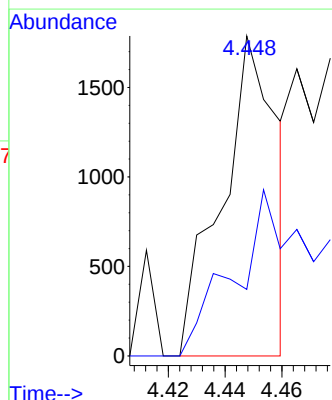
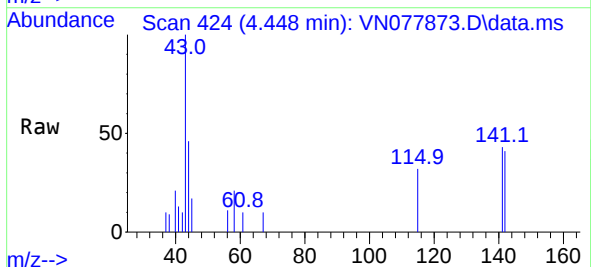
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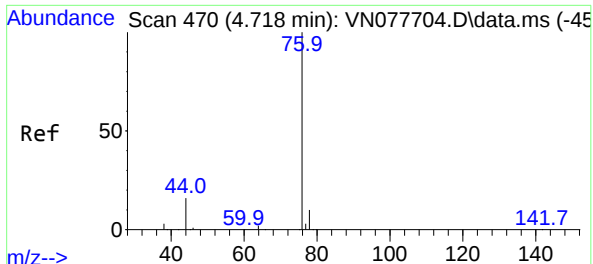
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 349.4 54.5 81.7#



#16
Acetone
Concen: 1.293 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion: 43 Resp: 2415
Ion Ratio Lower Upper
43 100
58 20.8 28.0 42.0#

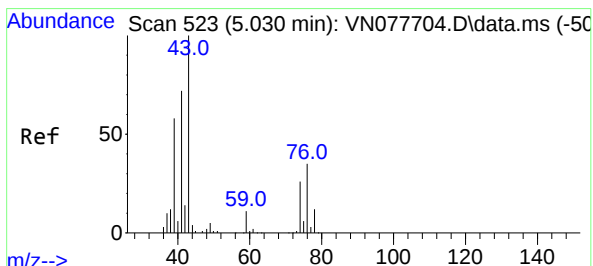
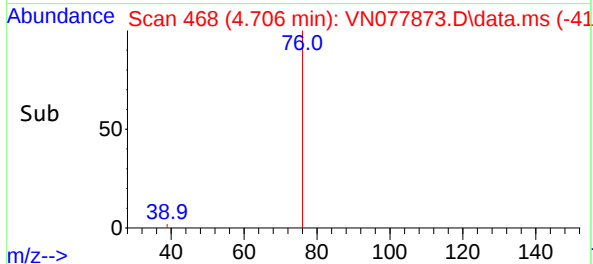
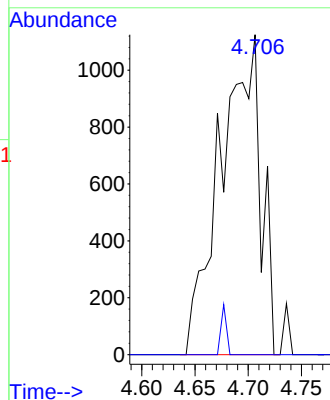
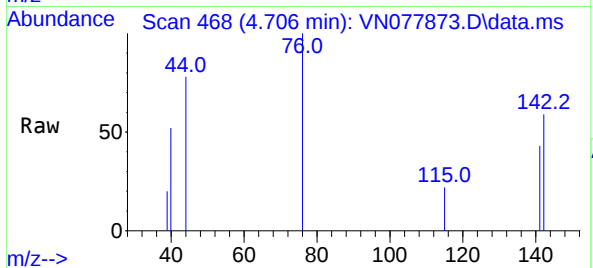




#17
Carbon Disulfide
Concen: 0.262 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

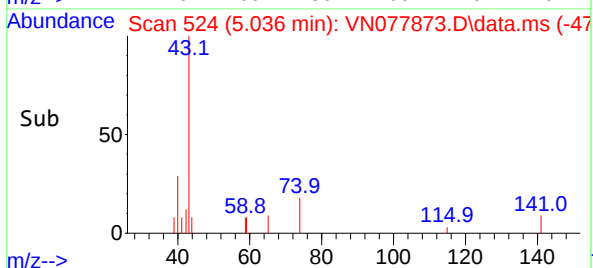
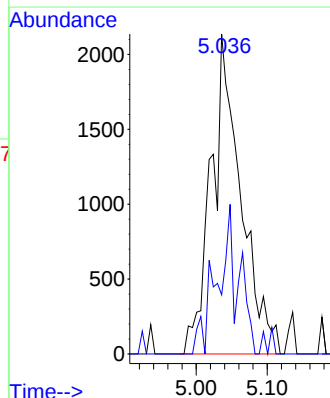
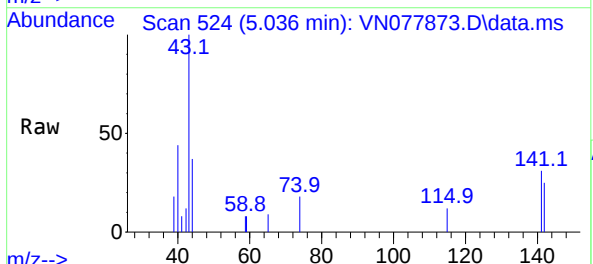
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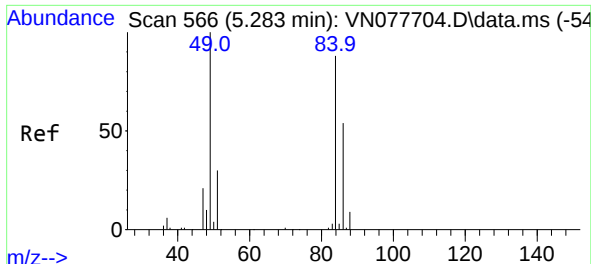
Tgt Ion: 76 Resp: 2946
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.795 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.000 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

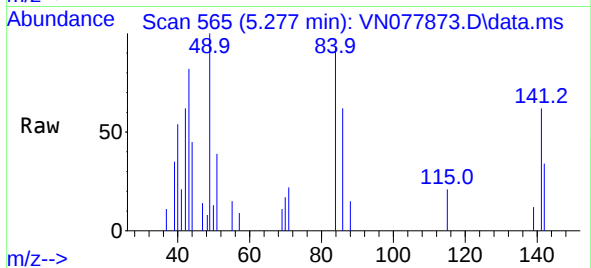
Tgt Ion: 43 Resp: 6224
Ion Ratio Lower Upper
43 100
74 5.0 26.2 39.4#





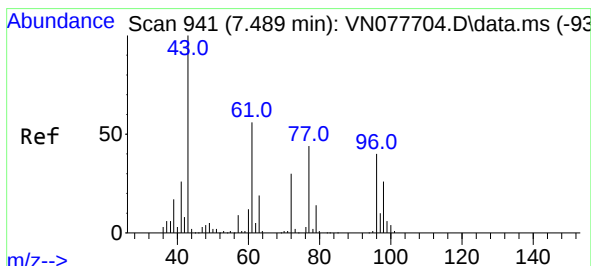
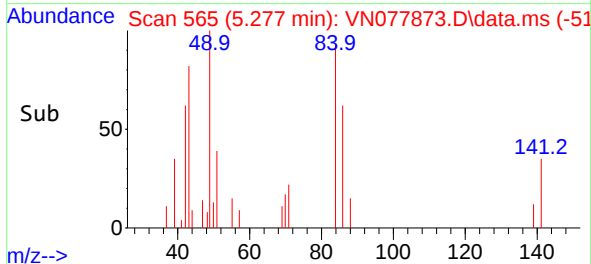
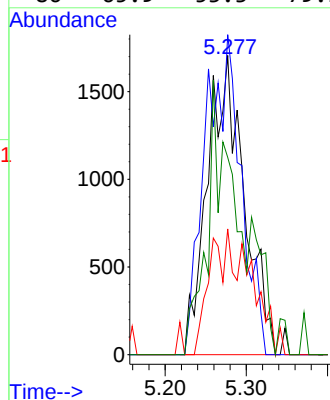
#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077873.D
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Tgt Ion: 84 Resp: 5384

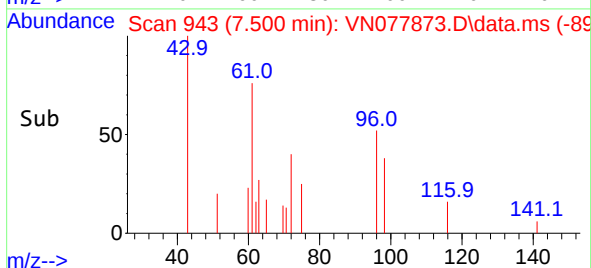
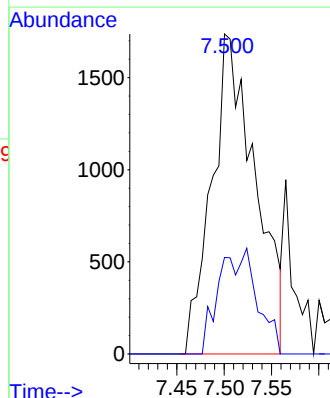
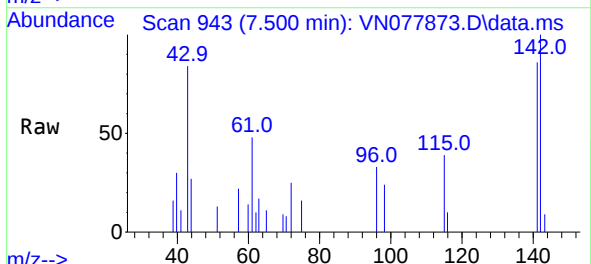
Ion	Ratio	Lower	Upper
84	100		
49	107.0	79.7	119.5
51	33.1	25.2	37.8
86	65.9	53.3	79.9

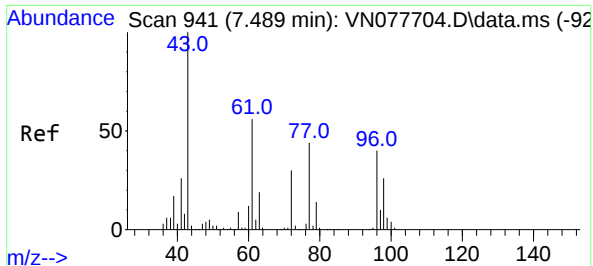


#25
2-Butanone
Concen: 1.895 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion: 43 Resp: 5534

Ion	Ratio	Lower	Upper
43	100		
72	30.2	30.2	45.2

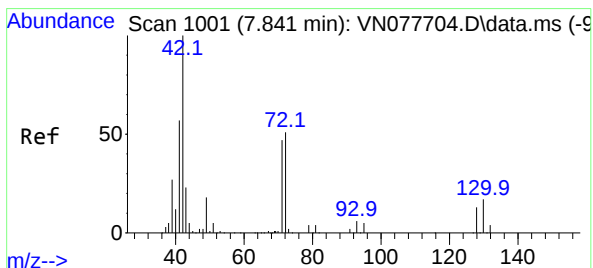
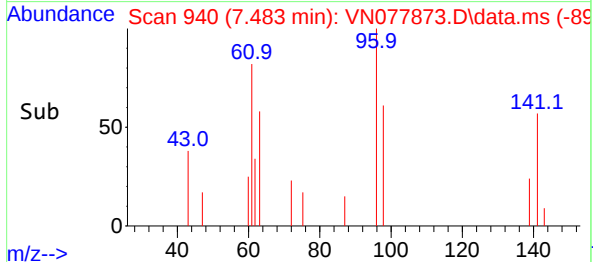
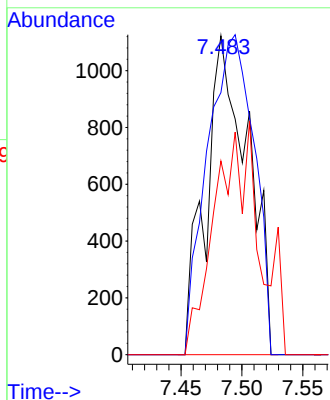
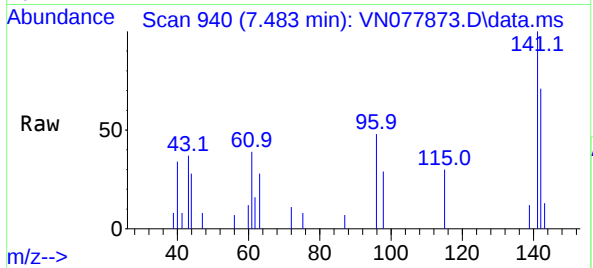




#27
cis-1,2-Dichloroethene
Concen: 0.482 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.005 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

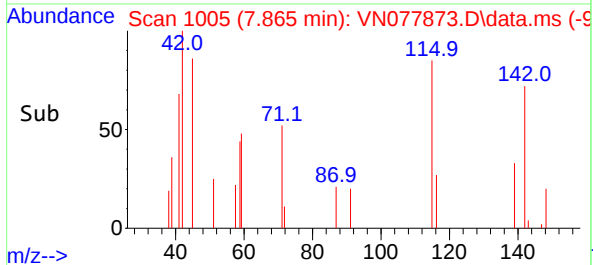
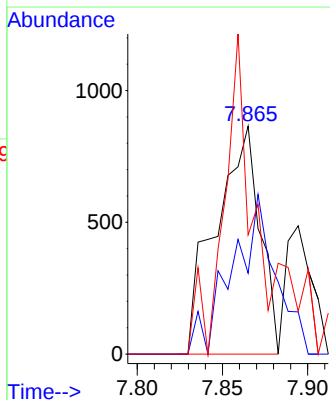
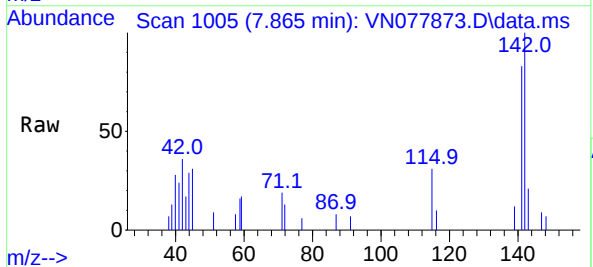
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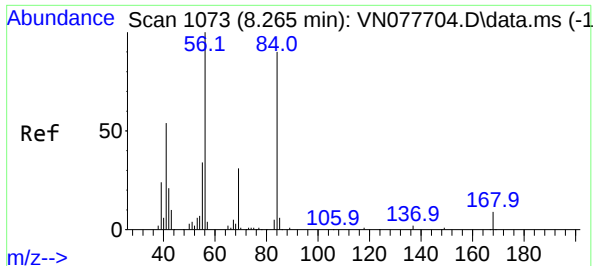
Tgt Ion: 96 Resp: 2707
Ion Ratio Lower Upper
96 100
61 0.0 0.0 255.2
98 0.0 0.0 128.8



#29
Tetrahydrofuran
Concen: 0.815 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.024 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion: 42 Resp: 1559
Ion Ratio Lower Upper
42 100
72 68.6 49.8 74.6
71 112.1 47.4 71.2#

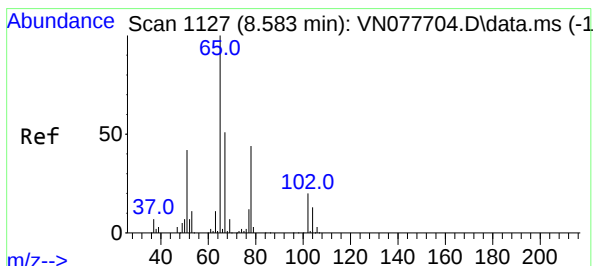
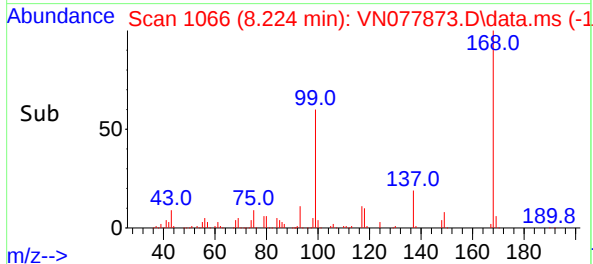
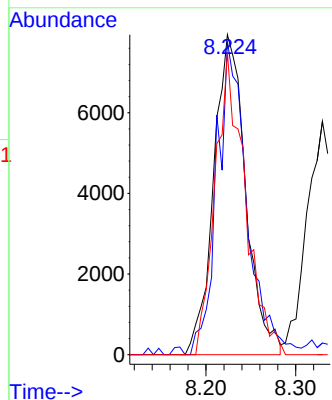
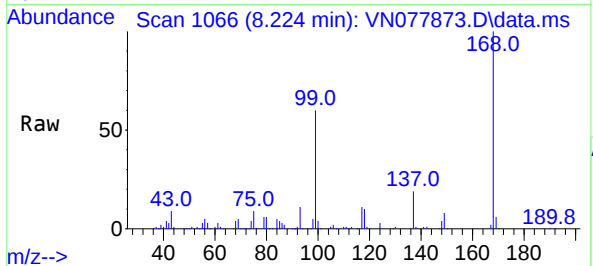




#31
Cyclohexane
Concen: 2.441 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

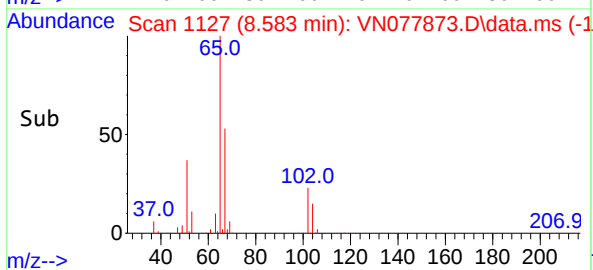
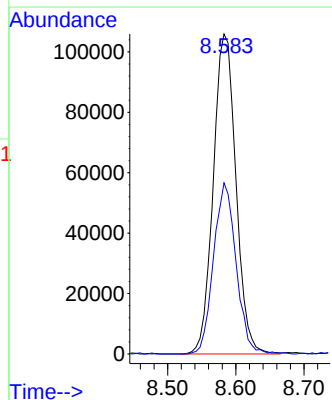
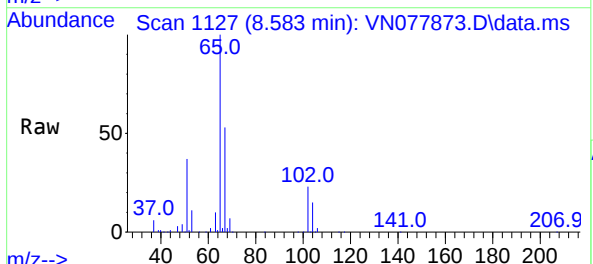
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

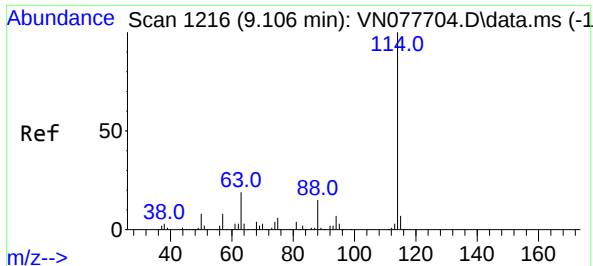
Tgt Ion: 56 Resp: 19691
Ion Ratio Lower Upper
56 100
69 95.4 26.8 40.2#
84 94.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 41.296 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion: 65 Resp: 245100
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.6

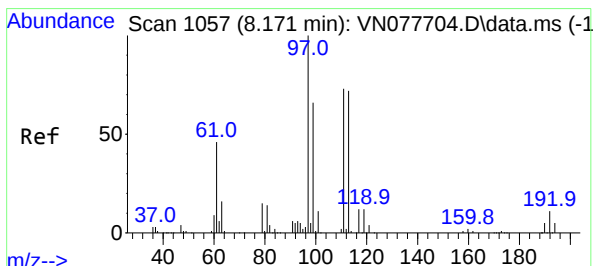
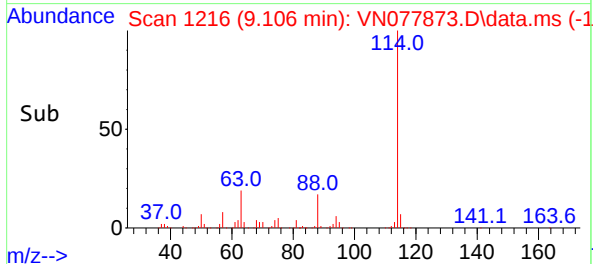
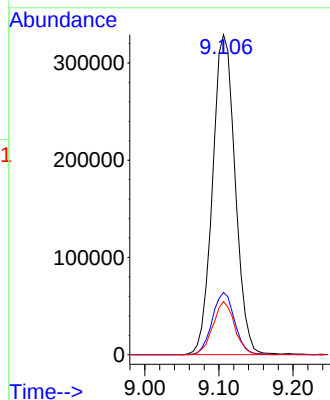
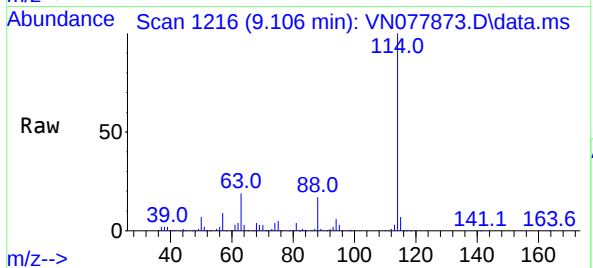




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

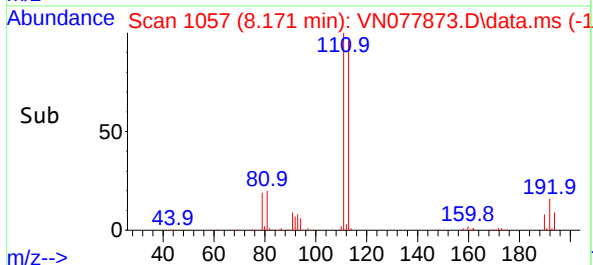
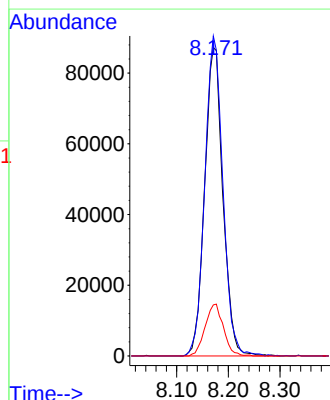
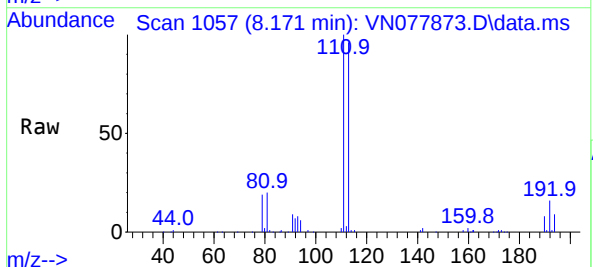
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

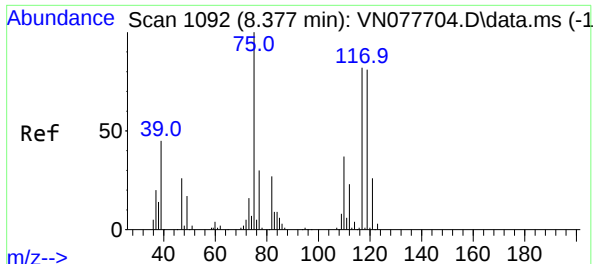
Tgt Ion:114 Resp: 697099
Ion Ratio Lower Upper
114 100
63 19.5 0.0 36.4
88 16.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.032 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion:113 Resp: 213792
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 16.9 12.7 19.1

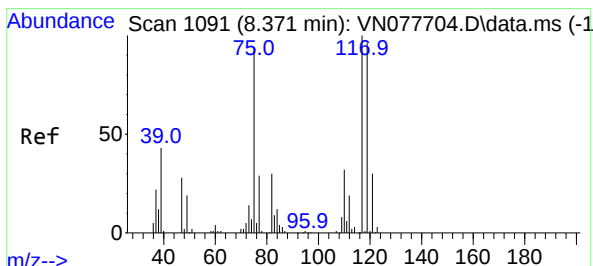
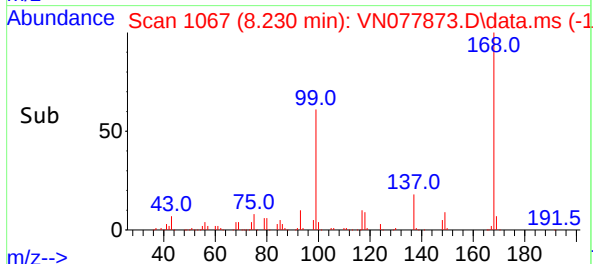
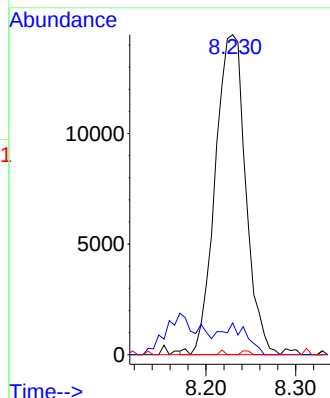
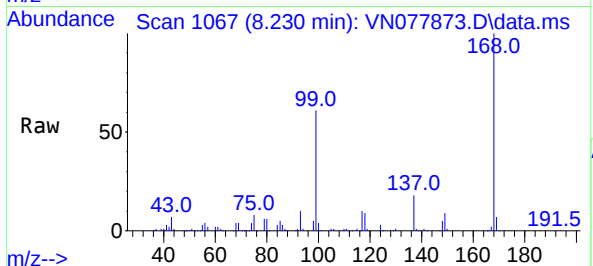




#36
1,1-Dichloropropene
Concen: 5.115 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

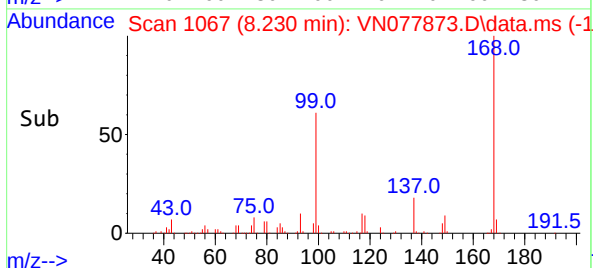
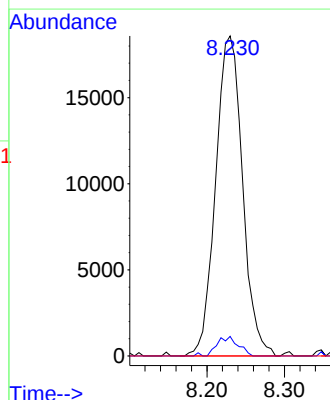
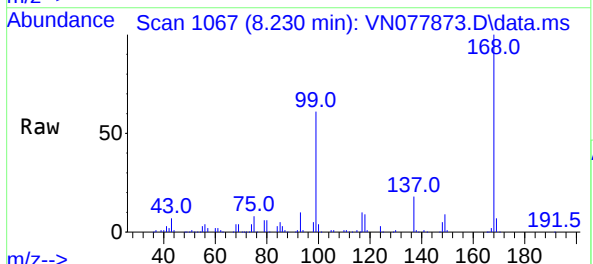
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

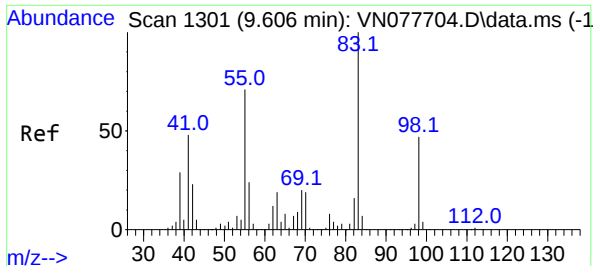
Tgt Ion: 75 Resp: 34010
Ion Ratio Lower Upper
75 100
110 8.5 19.1 57.3#
77 0.3 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.677 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion: 117 Resp: 44828
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 4.069 ug/l

RT: 9.600 min Scan# 1148

Delta R.T. -0.006 min

Lab File: VN077873.D

Acq: 25 May 2023 01:48

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOLIDS-0523

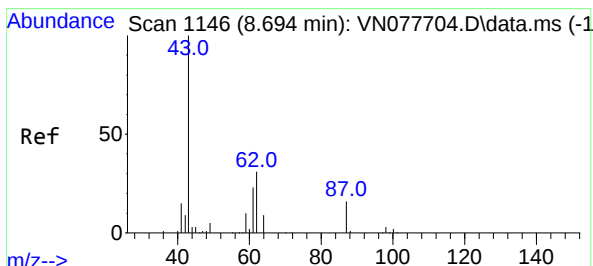
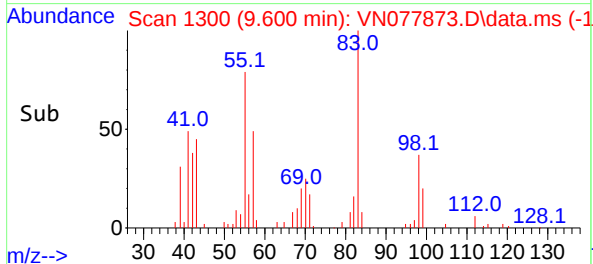
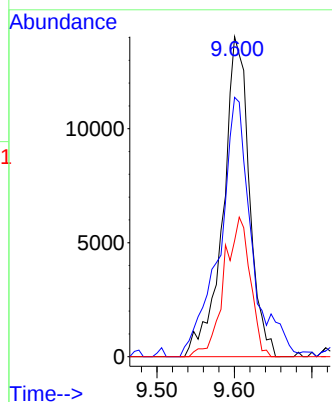
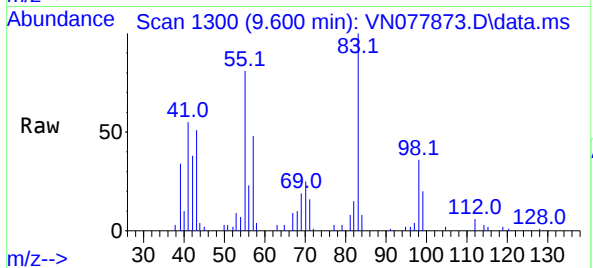
Tgt Ion: 83 Resp: 33123

Ion Ratio Lower Upper

83 100

55 81.0 49.1 73.7#

98 36.2 40.6 61.0#



#43

Isopropyl Acetate

Concen: 0.457 ug/l

RT: 8.706 min Scan# 1148

Delta R.T. 0.012 min

Lab File: VN077873.D

Acq: 25 May 2023 01:48

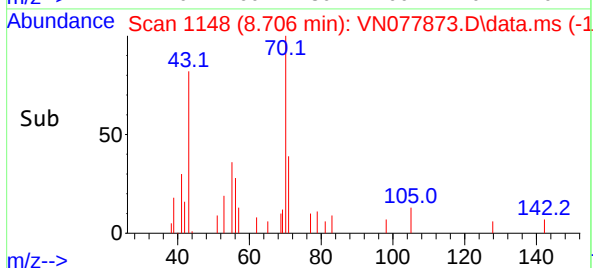
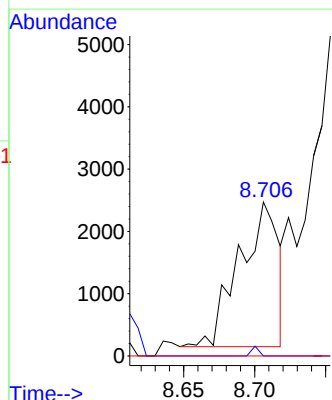
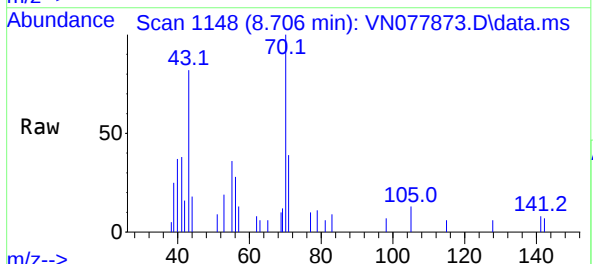
Tgt Ion: 43 Resp: 4425

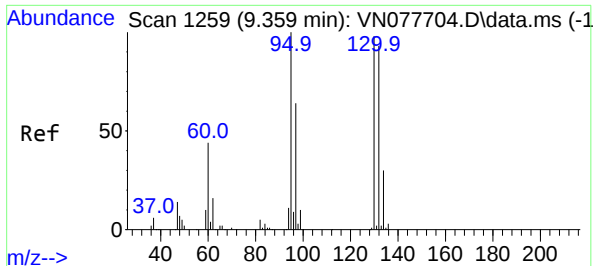
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

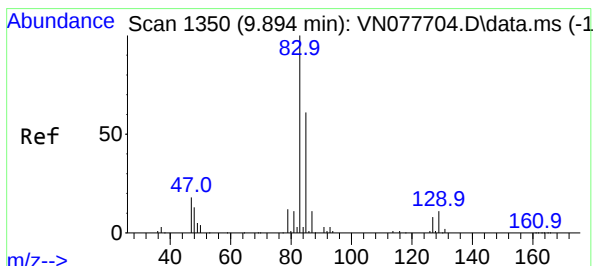
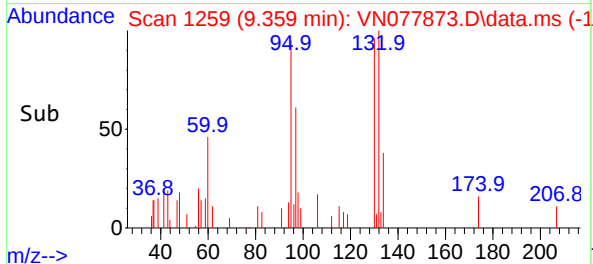
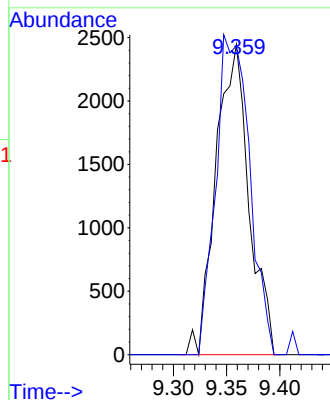
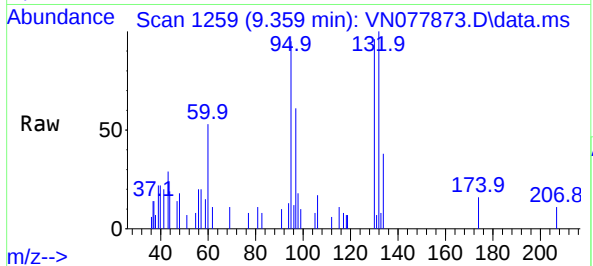




#44
Trichloroethene
Concen: 1.062 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

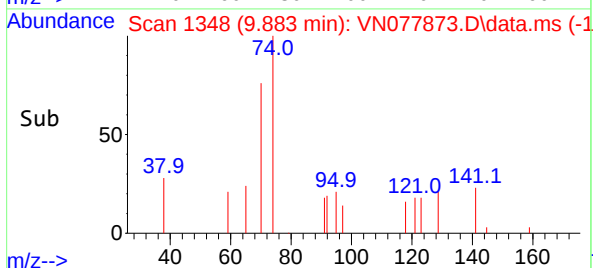
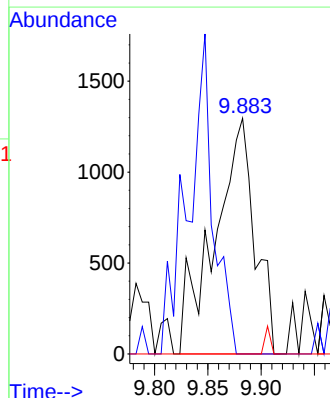
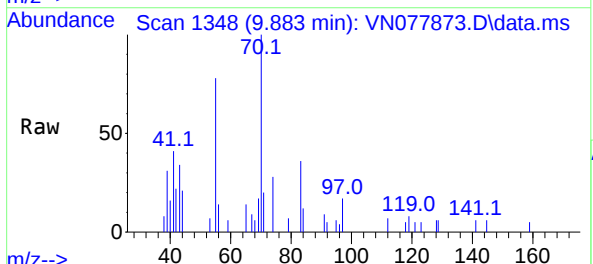
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

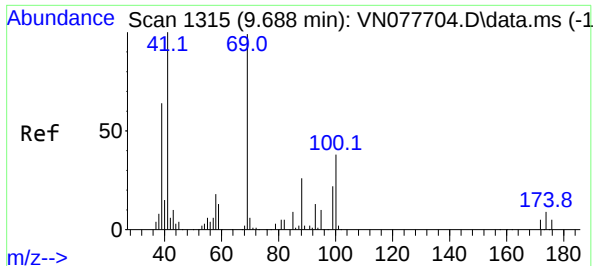
Tgt Ion:130 Resp: 5275
Ion Ratio Lower Upper
130 100
95 99.5 0.0 204.6



#47
Bromodichloromethane
Concen: 0.496 ug/l
RT: 9.883 min Scan# 1348
Delta R.T. -0.011 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion: 83 Resp: 3402
Ion Ratio Lower Upper
83 100
85 0.0 49.6 74.4#
127 0.0 7.0 10.6#





#48

Methyl methacrylate

Concen: 1.873 ug/l

RT: 9.647 min Scan# 11

Delta R.T. -0.041 min

Lab File: VN077873.D

Acq: 25 May 2023 01:48

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOLIDS-0523

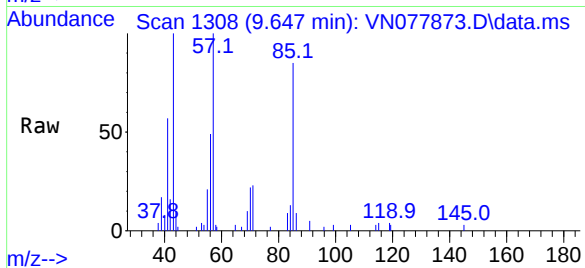
Tgt Ion: 41 Resp: 8597

Ion Ratio Lower Upper

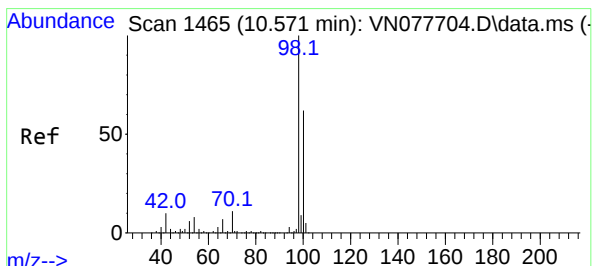
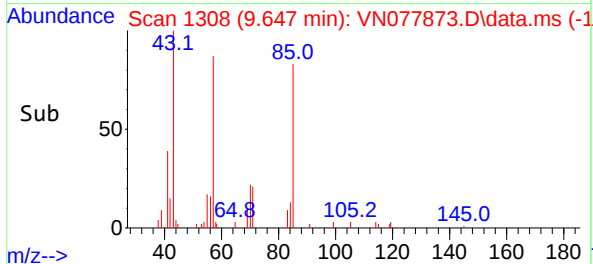
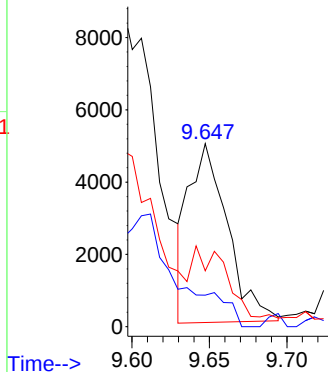
41 100

69 0.0 90.4 135.6#

39 32.6 54.6 81.8#



Abundance



#50

Toluene-d8

Concen: 49.431 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN077873.D

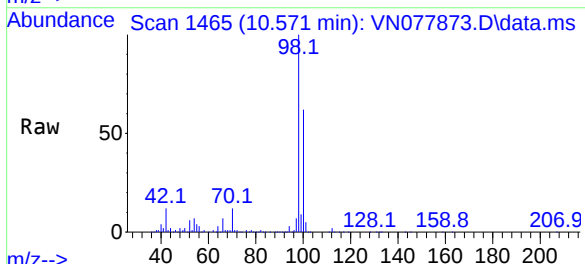
Acq: 25 May 2023 01:48

Tgt Ion: 98 Resp: 864889

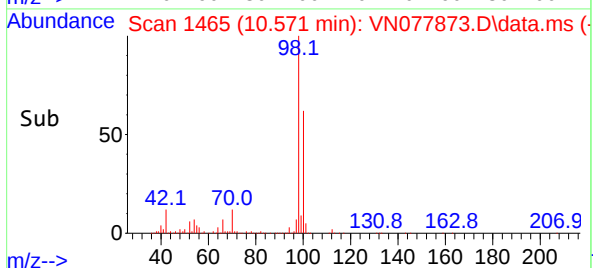
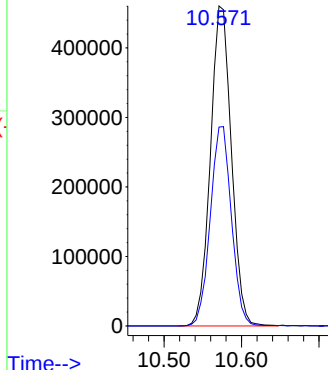
Ion Ratio Lower Upper

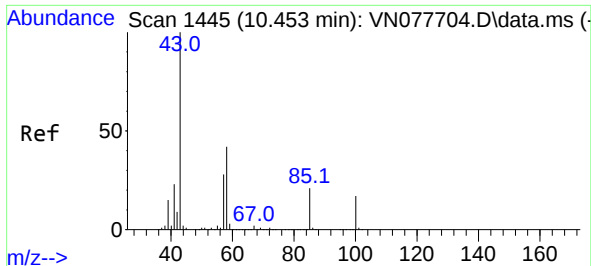
98 100

100 63.0 52.0 78.0



Abundance





#51

4-Methyl-2-Pentanone

Concen: 0.669 ug/l

RT: 10.500 min Scan# 1445

Delta R.T. 0.053 min

Lab File: VN077873.D

Acq: 25 May 2023 01:48

Instrument :

MSVOA_N

ClientSampleId :

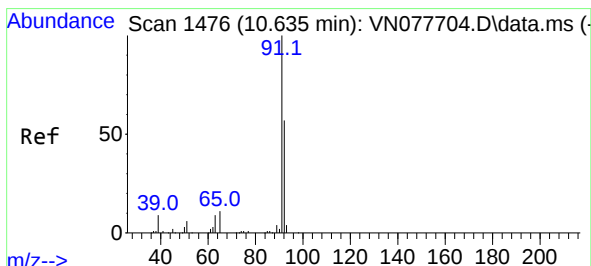
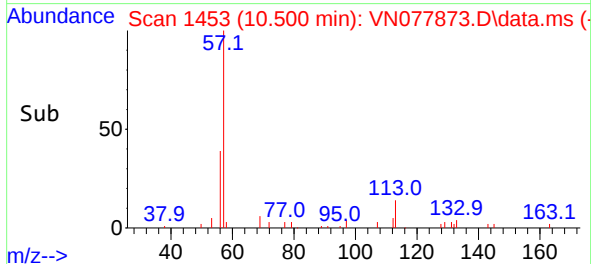
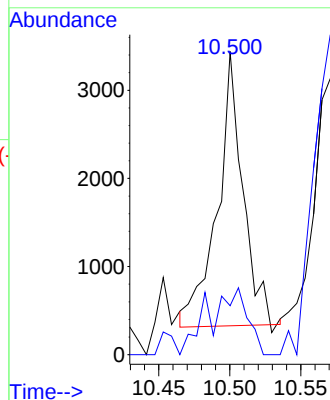
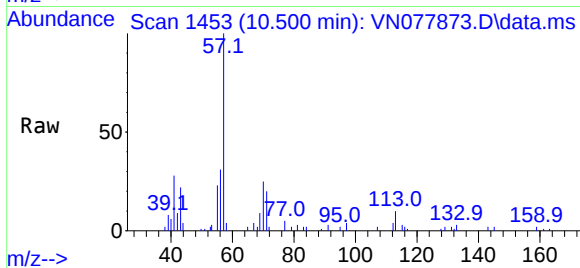
OILY-SOLIDS-0523

Tgt Ion: 43 Resp: 3849

Ion Ratio Lower Upper

43 100

58 24.6 36.6 54.8#



#52

Toluene

Concen: 1.108 ug/l

RT: 10.641 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VN077873.D

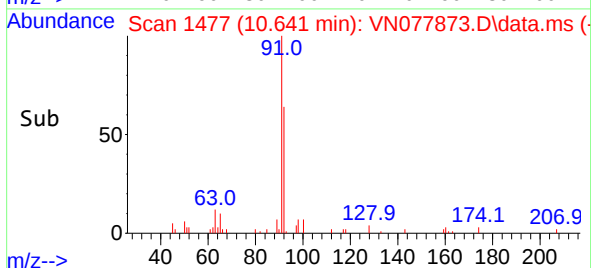
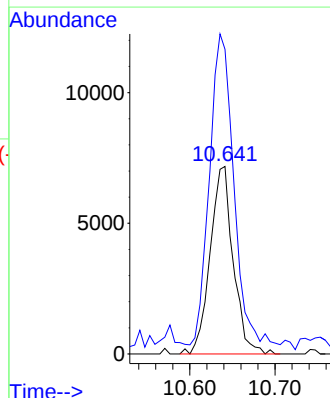
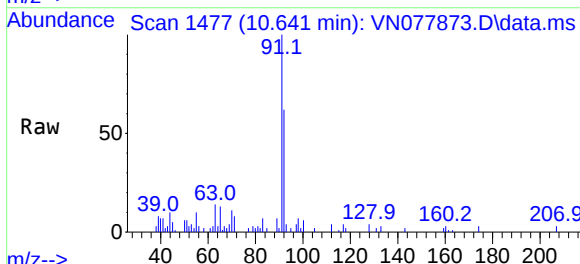
Acq: 25 May 2023 01:48

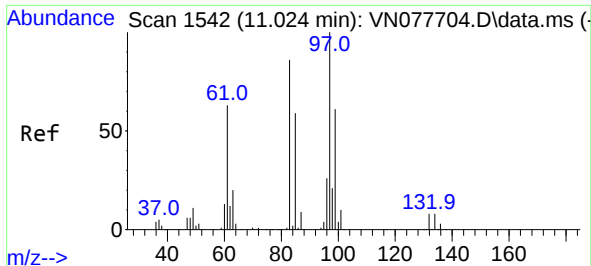
Tgt Ion: 92 Resp: 13532

Ion Ratio Lower Upper

92 100

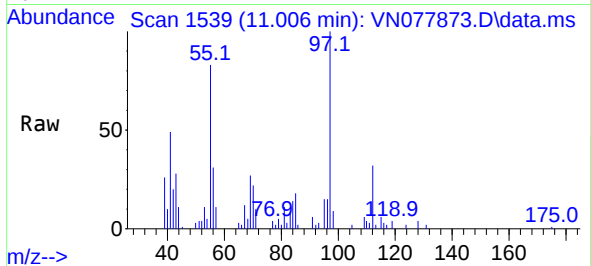
91 177.4 137.4 206.0





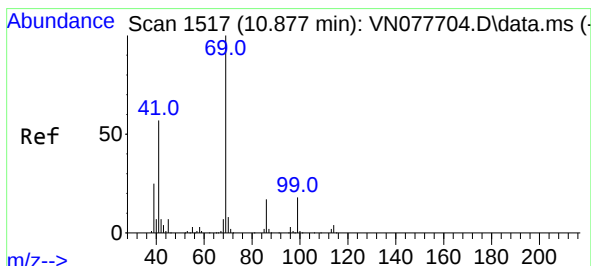
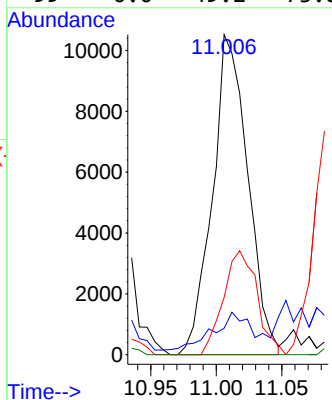
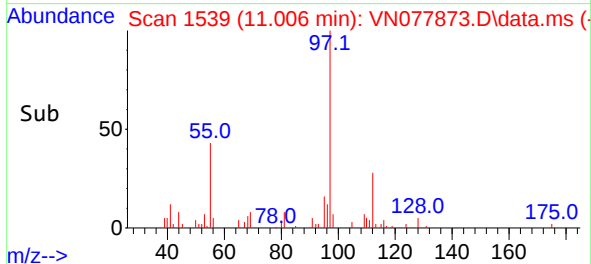
#55
1,1,2-Trichloroethane
Concen: 4.069 ug/l
RT: 11.006 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523



Tgt Ion: 97 Resp: 19734

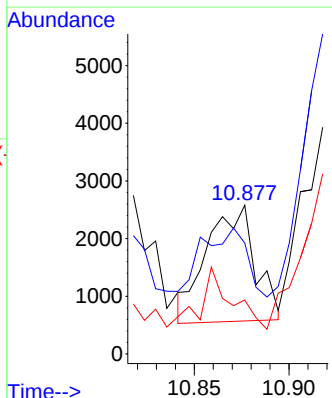
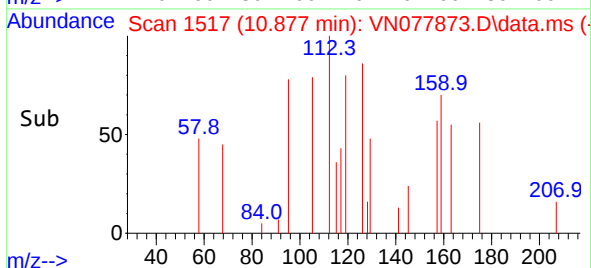
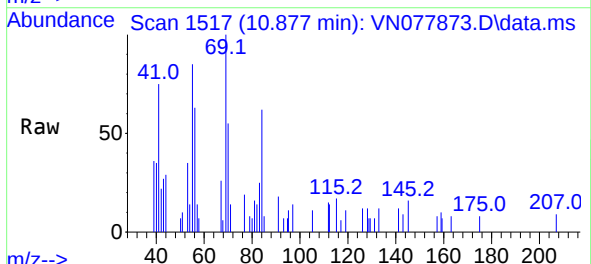
Ion	Ratio	Lower	Upper
97	100		
83	6.3	65.1	97.7#
85	17.8	43.4	65.2#
99	0.0	49.2	73.8#

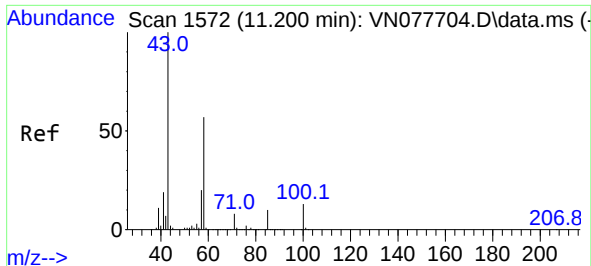


#56
Ethyl methacrylate
Concen: 0.487 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. -0.005 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion: 69 Resp: 3573

Ion	Ratio	Lower	Upper
69	100		
41	71.4	39.6	59.4#
39	39.6	28.6	43.0

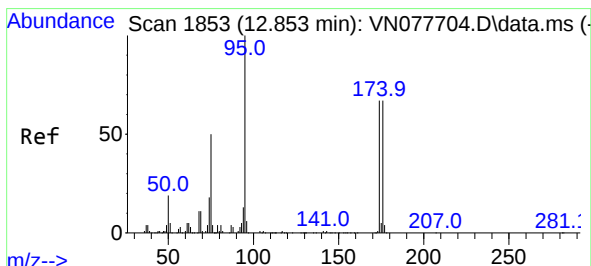
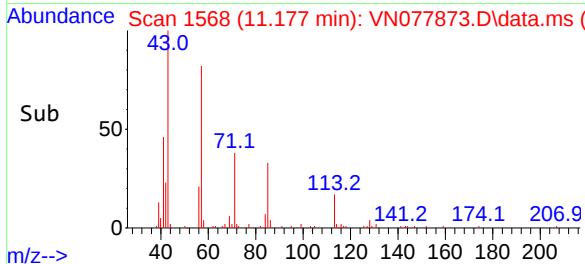
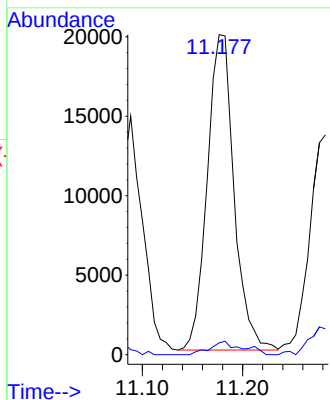
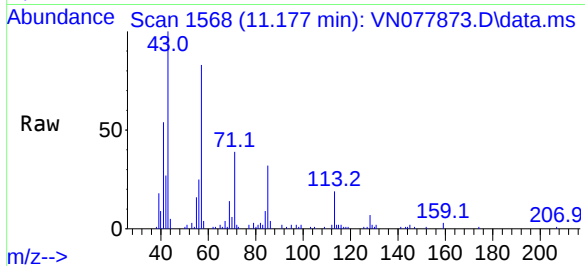




#59
2-Hexanone
Concen: 8.680 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

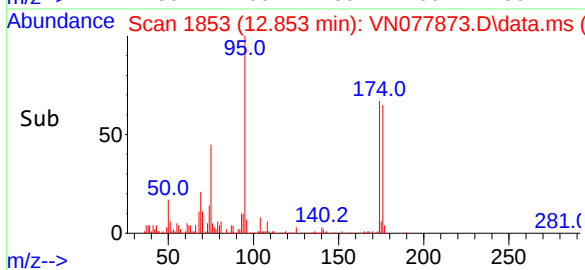
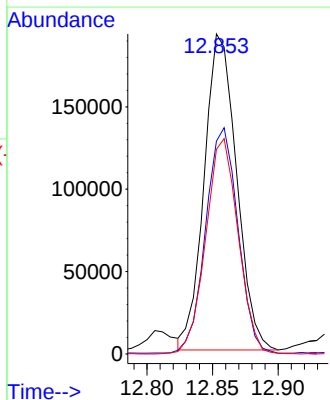
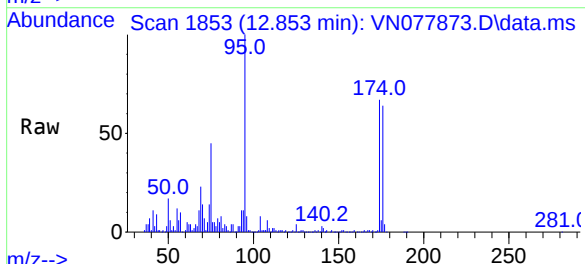
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

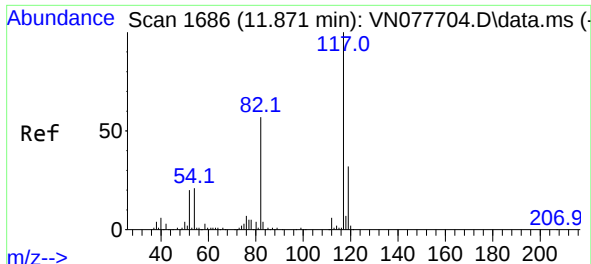
Tgt Ion: 43 Resp: 36939
Ion Ratio Lower Upper
43 100
58 5.1 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.331 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

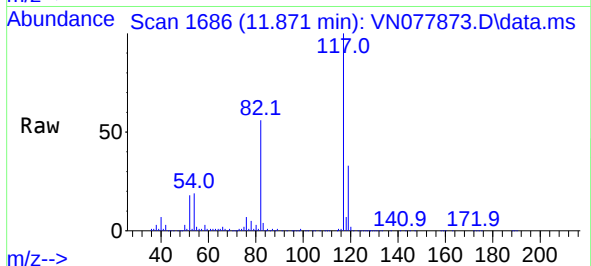
Tgt Ion: 95 Resp: 329558
Ion Ratio Lower Upper
95 100
174 71.1 0.0 143.8
176 68.3 0.0 135.8



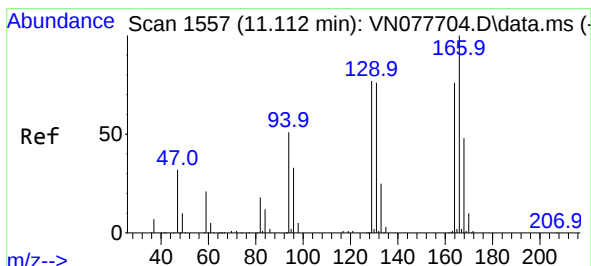
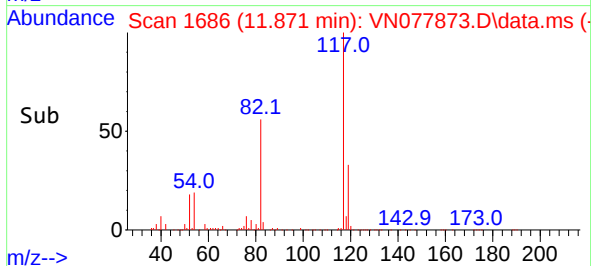
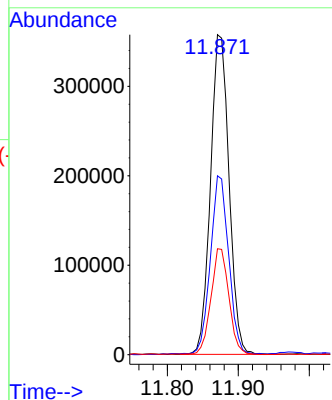


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.001 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

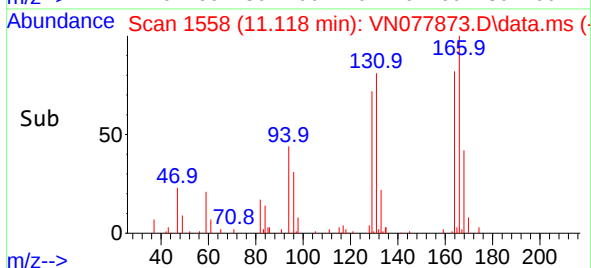
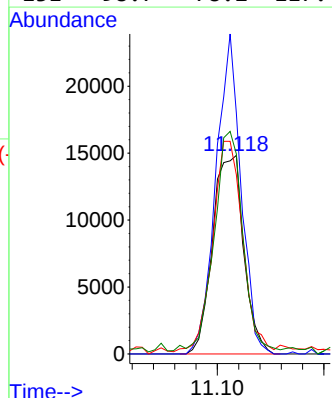
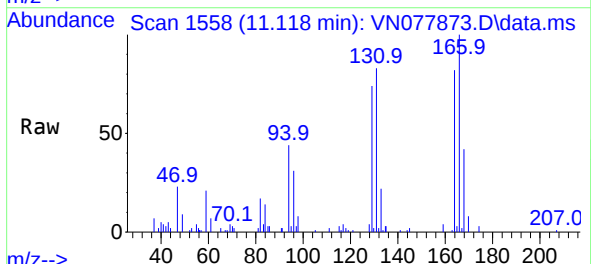


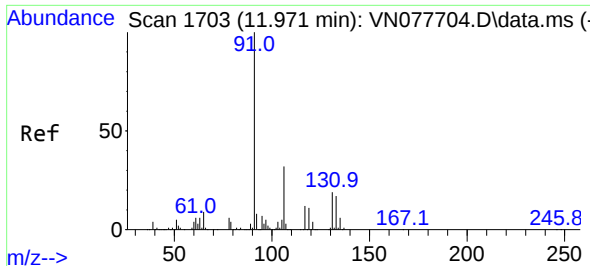
Tgt Ion:117 Resp: 646906
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 32.9 25.6 38.4



#64
Tetrachloroethene
Concen: 6.640 ug/l
RT: 11.118 min Scan# 1558
Delta R.T. 0.006 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion:164 Resp: 30041
Ion Ratio Lower Upper
164 100
166 121.3 101.4 152.0
129 87.7 82.4 123.6
131 98.7 78.2 117.4

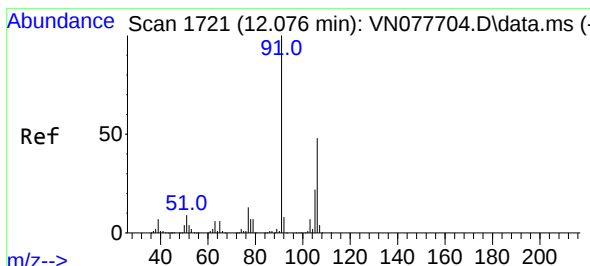
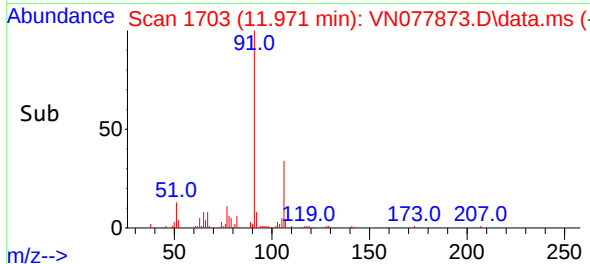
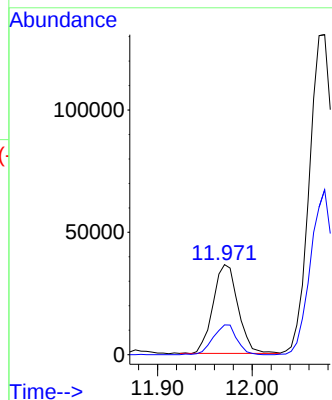
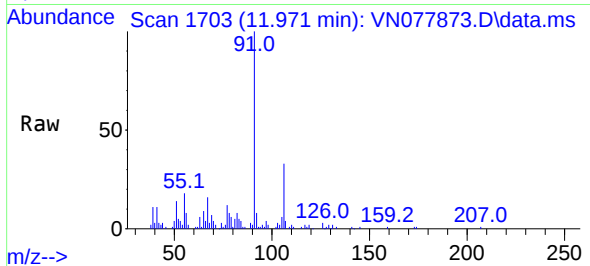




#67
Ethyl Benzene
Concen: 2.634 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.001 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

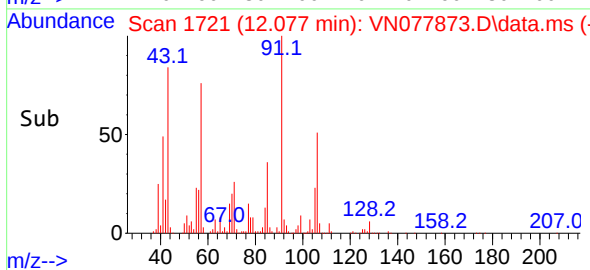
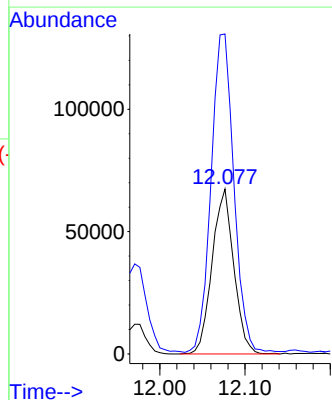
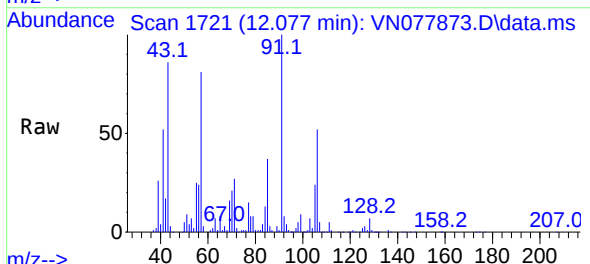
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

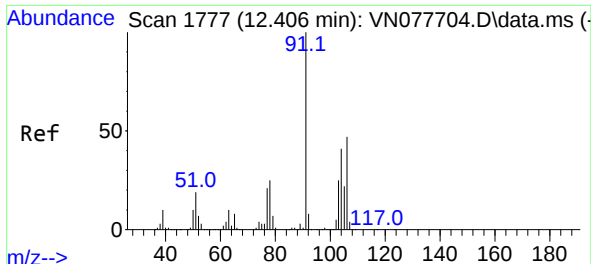
Tgt Ion: 91 Resp: 66197
Ion Ratio Lower Upper
91 100
106 33.6 25.6 38.4



#68
m/p-Xylenes
Concen: 12.519 ug/l
RT: 12.077 min Scan# 1721
Delta R.T. 0.001 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion: 106 Resp: 119215
Ion Ratio Lower Upper
106 100
91 202.4 159.6 239.4

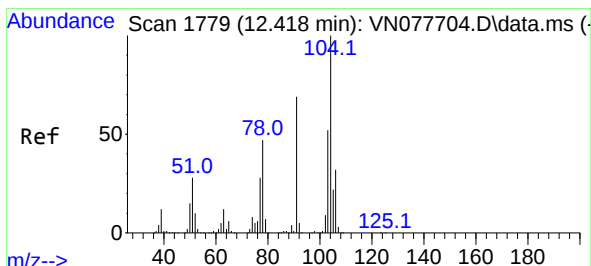
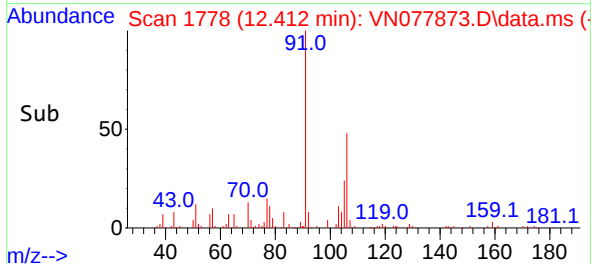
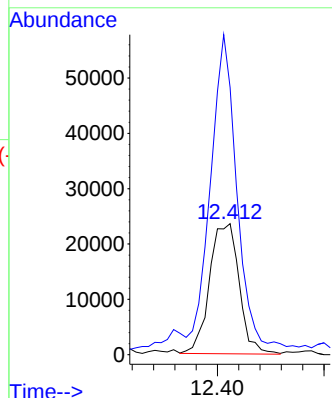
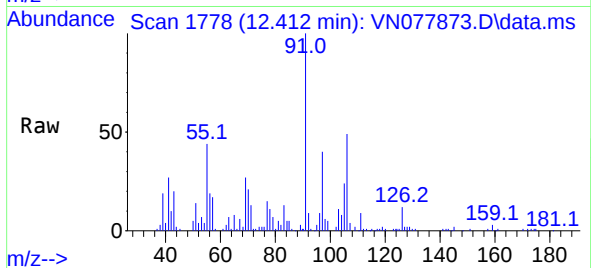




#69
o-Xylene
Concen: 4.836 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

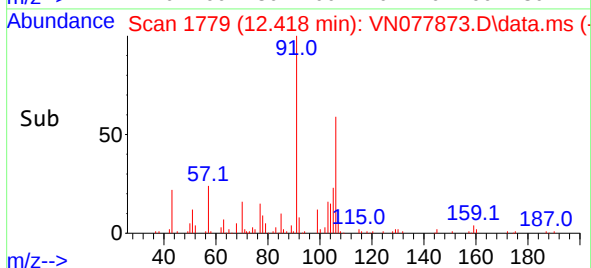
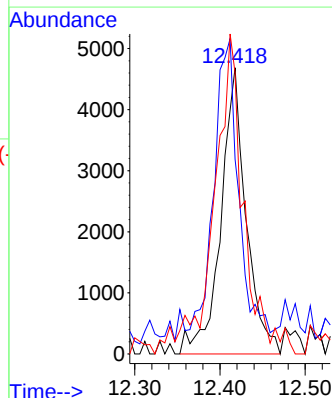
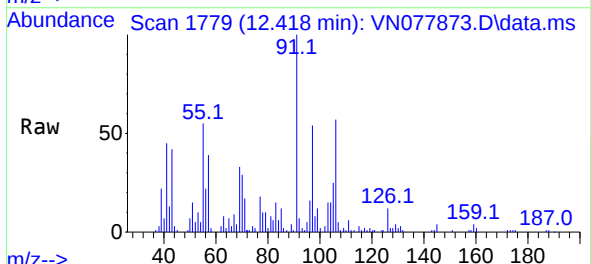
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

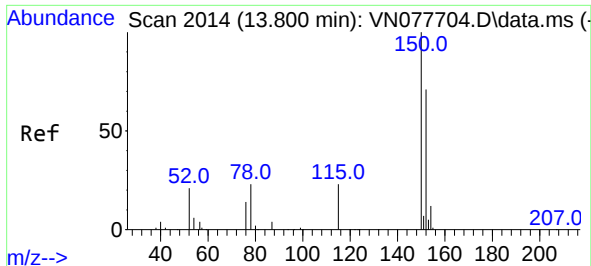
Tgt Ion:106 Resp: 45286
Ion Ratio Lower Upper
106 100
91 211.0 105.2 315.5



#70
Styrene
Concen: 0.648 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.001 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

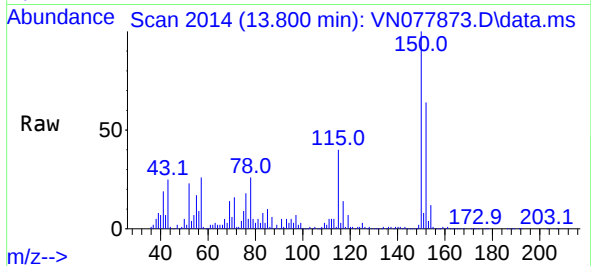
Tgt Ion:104 Resp: 9638
Ion Ratio Lower Upper
104 100
78 96.6 39.5 59.3#
103 106.0 43.2 64.8#



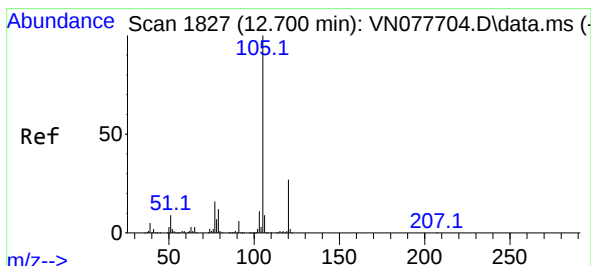
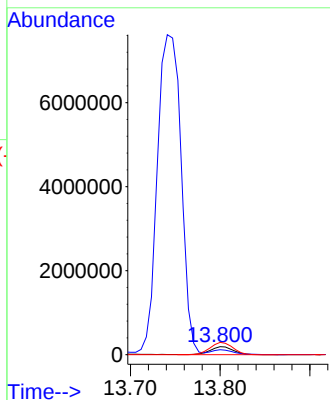
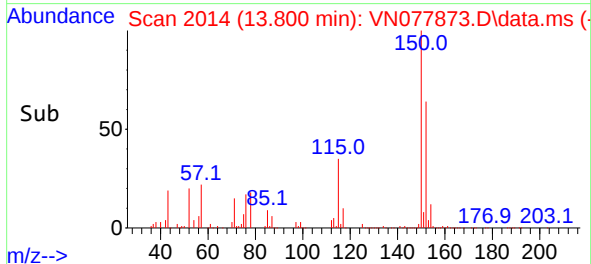


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

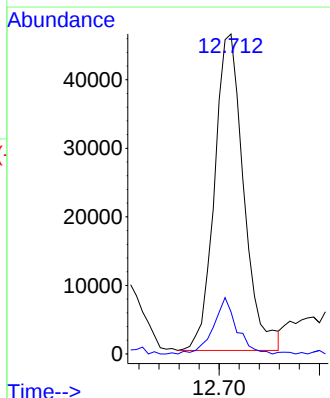
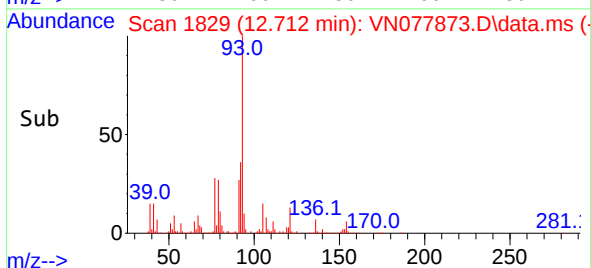
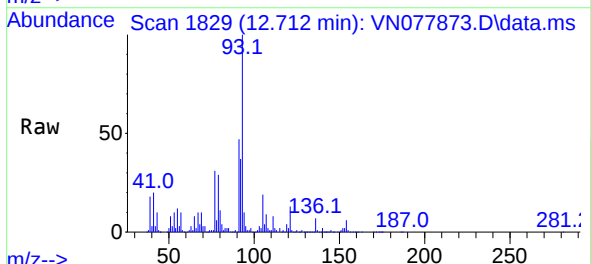


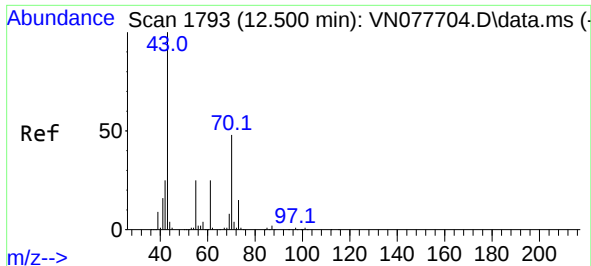
Tgt Ion:152 Resp: 337327
Ion Ratio Lower Upper
152 100
115 0.0 32.3 96.8#
150 152.5 0.0 355.8



#73
Isopropylbenzene
Concen: 3.212 ug/l
RT: 12.712 min Scan# 1829
Delta R.T. 0.012 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion:105 Resp: 93408
Ion Ratio Lower Upper
105 100
120 14.3 13.1 39.1

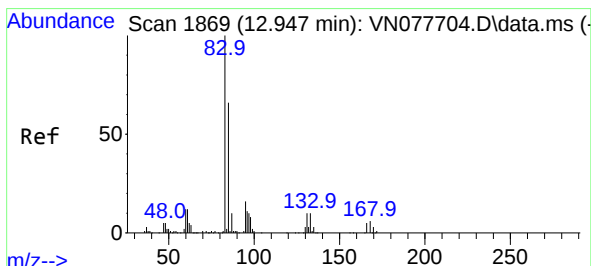
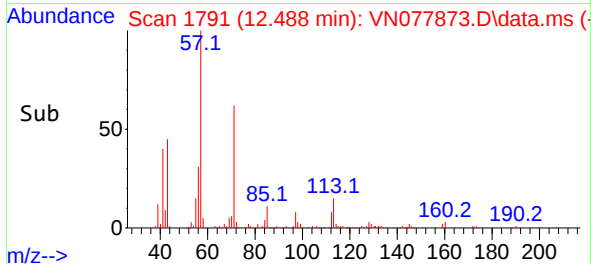
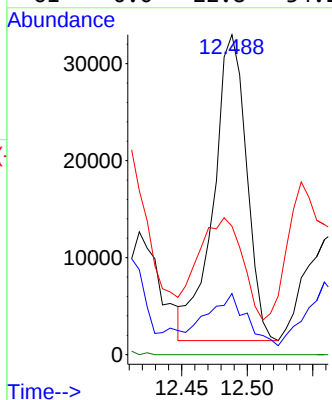
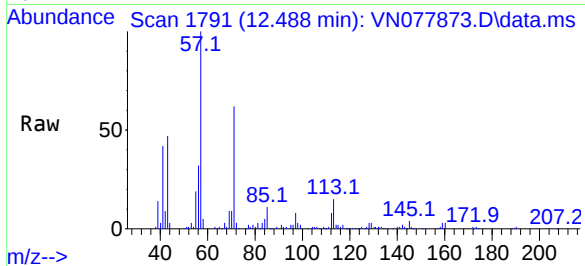




#74
N-amy1 acetate
Concen: 5.128 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

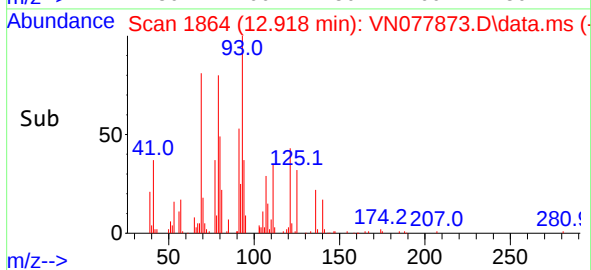
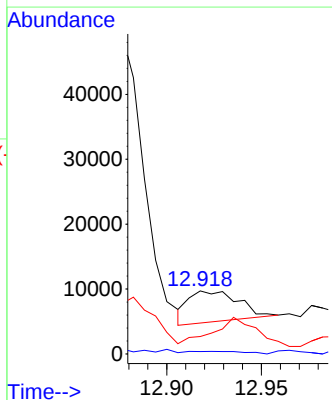
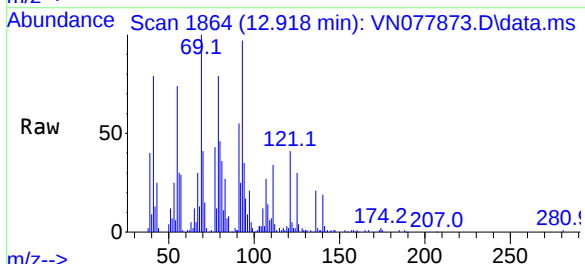
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

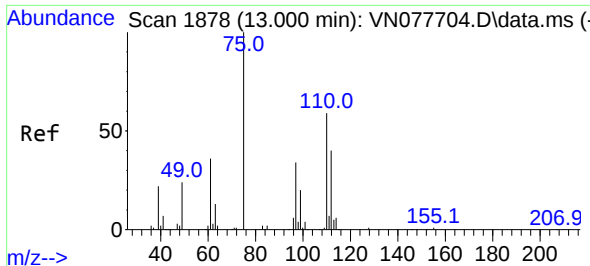
Tgt Ion:	43	Resp:	55114
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	0.0	21.4	32.0#
61	0.0	22.8	34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.986 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. -0.029 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion:	83	Resp:	8822
Ion	Ratio	Lower	Upper
83	100		
131	6.5	5.0	15.0
85	81.8	31.9	95.7

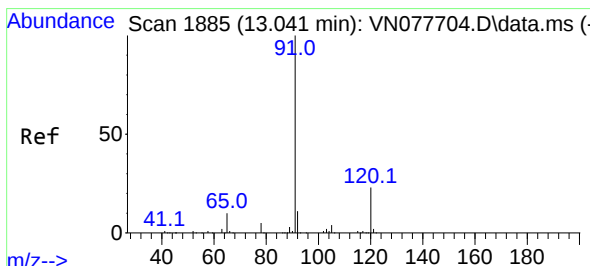
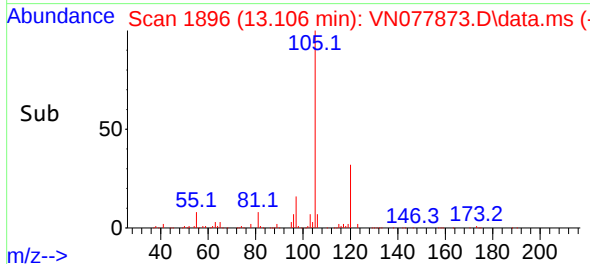
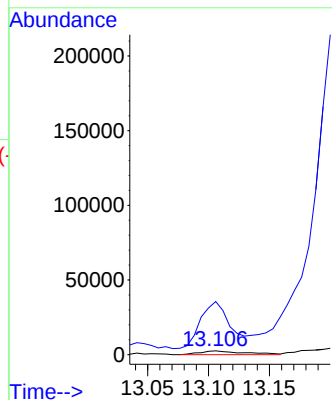
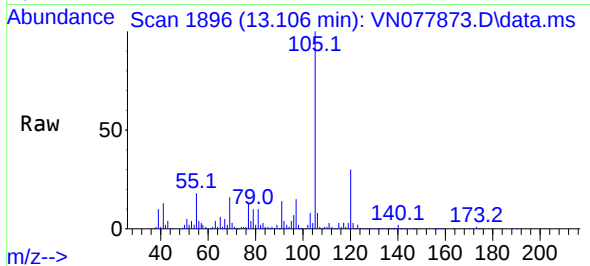




#76
1,2,3-Trichloropropane
Concen: 0.767 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.106 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

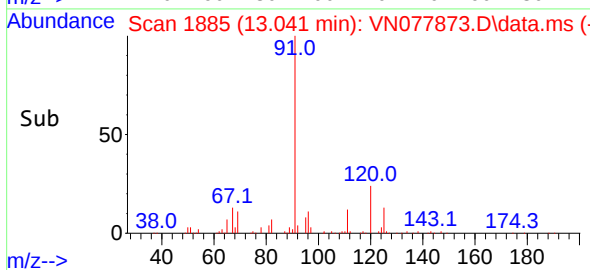
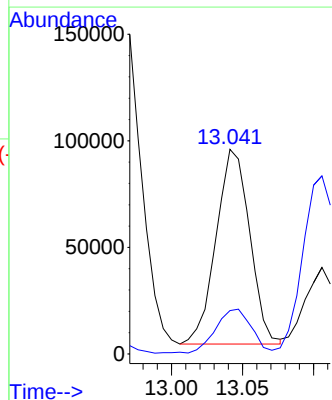
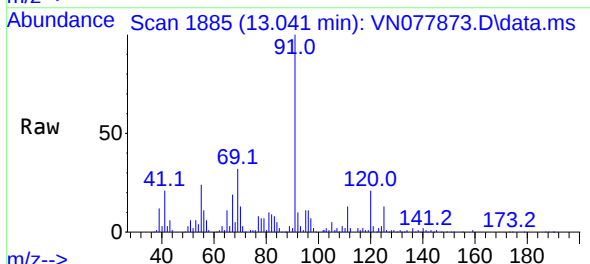
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

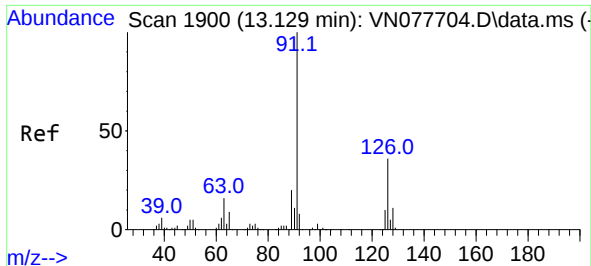
Tgt Ion: 75 Resp: 6483
Ion Ratio Lower Upper
75 100
77 815.5 84.5 253.5#



#78
n-propylbenzene
Concen: 4.400 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion: 91 Resp: 150821
Ion Ratio Lower Upper
91 100
120 24.0 11.5 34.4





#79

2-Chlorotoluene

Concen: 2.657 ug/l

RT: 13.106 min Scan# 11

Delta R.T. -0.023 min

Lab File: VN077873.D

Acq: 25 May 2023 01:48

Instrument :

MSVOA_N

ClientSampleId :

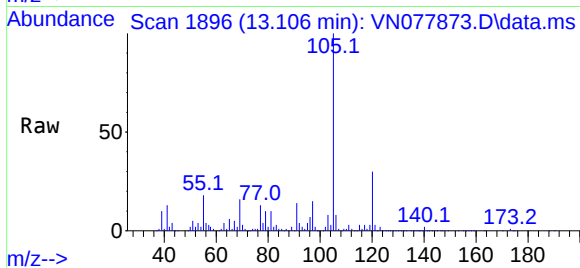
OILY-SOLIDS-0523

Tgt Ion: 91 Resp: 54348

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



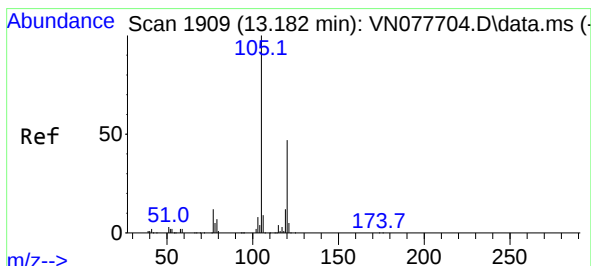
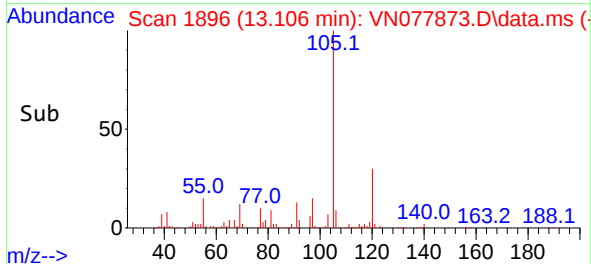
Abundance

60000

13.106

20000

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 15.290 ug/l

RT: 13.182 min Scan# 1909

Delta R.T. 0.000 min

Lab File: VN077873.D

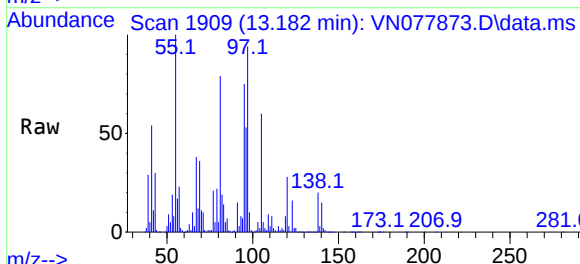
Acq: 25 May 2023 01:48

Tgt Ion:105 Resp: 373660

Ion Ratio Lower Upper

105 100

120 44.3 24.1 72.3



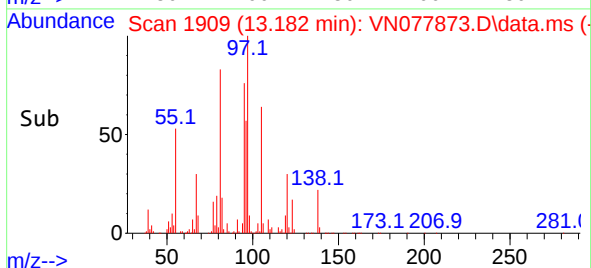
Abundance

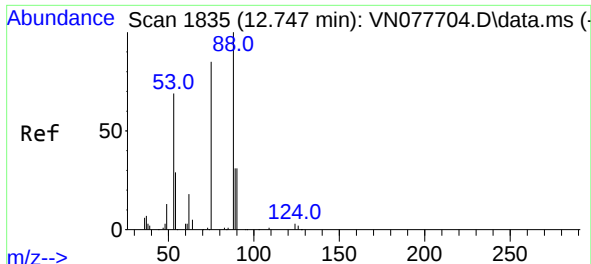
200000

13.182

100000

Time-->

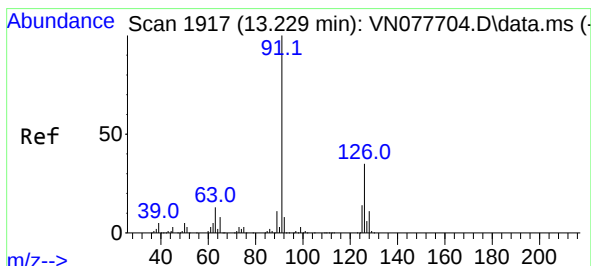
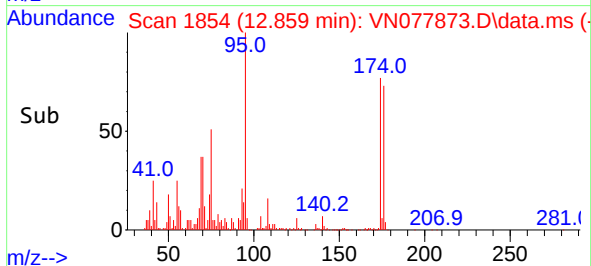
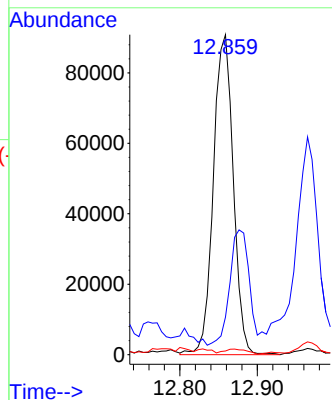
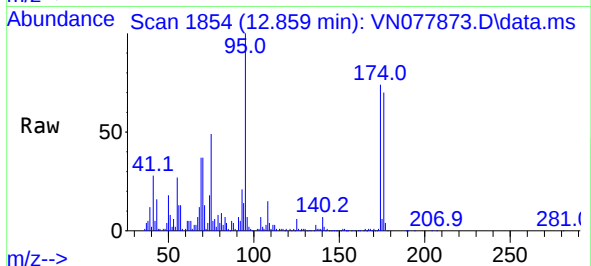




#81
trans-1,4-Dichloro-2-butene
Concen: 61.521 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

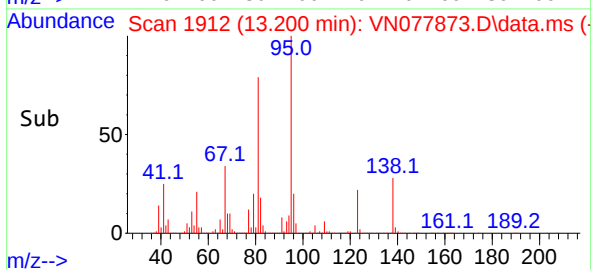
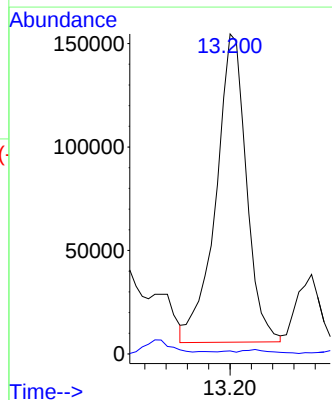
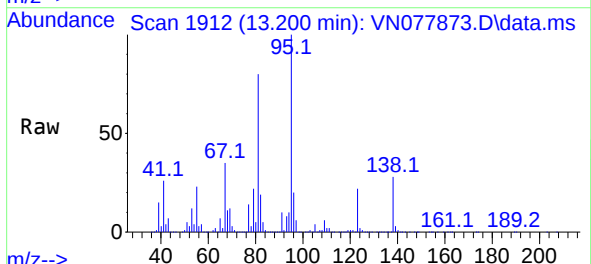
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

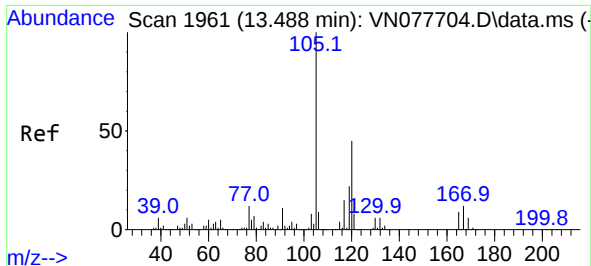
Tgt Ion: 75 Resp: 162590
Ion Ratio Lower Upper
75 100
53 36.2 67.4 101.2#
89 1.8 38.8 58.2#



#82
4-Chlorotoluene
Concen: 14.526 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.029 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion: 91 Resp: 295649
Ion Ratio Lower Upper
91 100
126 0.1 16.7 50.0#

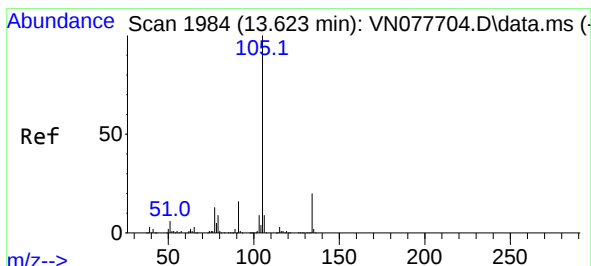
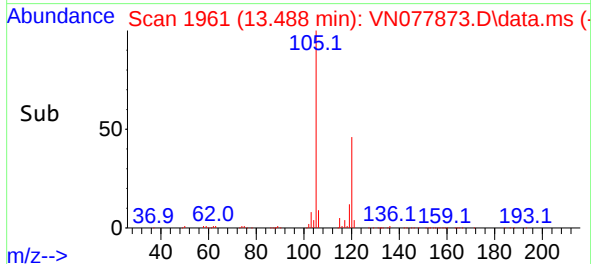
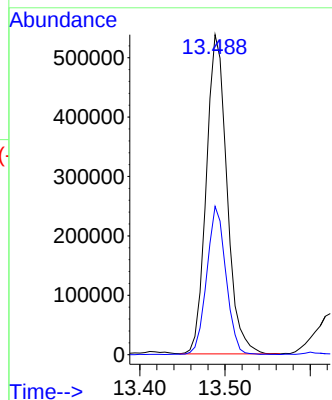
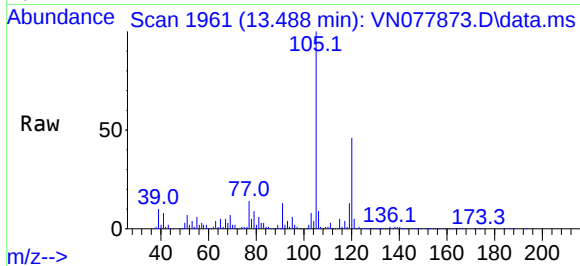




#84
1,2,4-Trimethylbenzene
Concen: 37.608 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

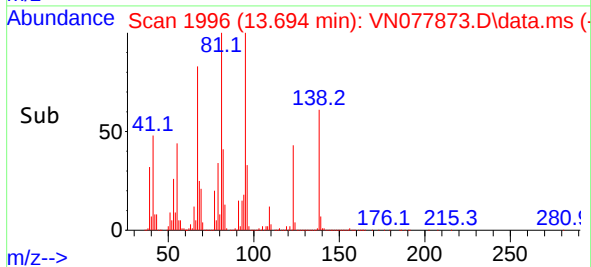
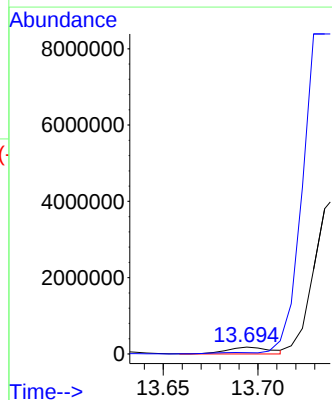
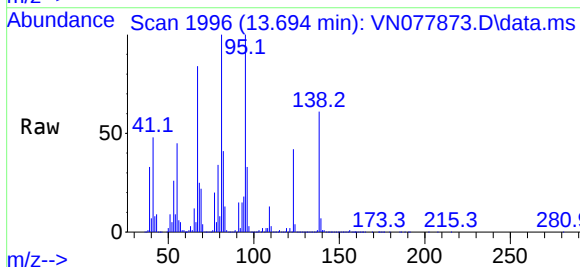
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

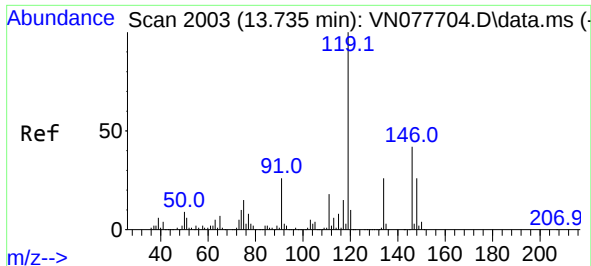
Tgt Ion:105 Resp: 903903
Ion Ratio Lower Upper
105 100
120 0.0 22.0 66.0#



#85
sec-Butylbenzene
Concen: 9.437 ug/l
RT: 13.694 min Scan# 1996
Delta R.T. 0.071 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion:105 Resp: 286143
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#

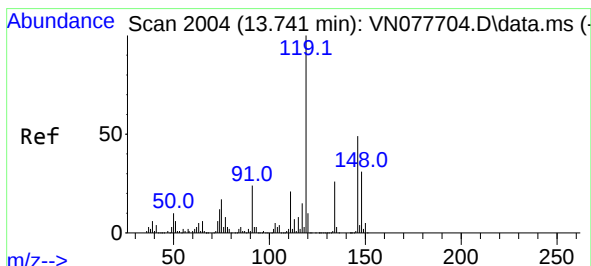
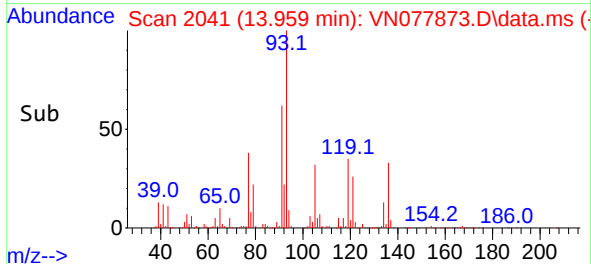
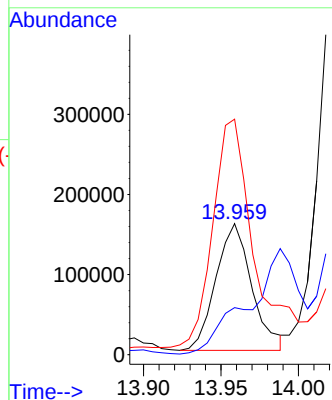
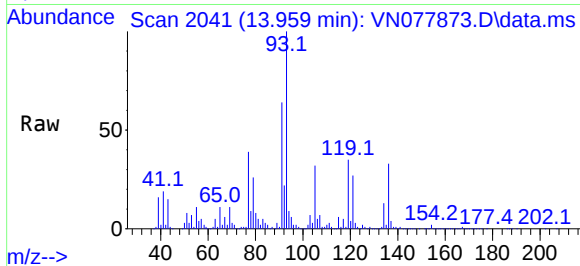




#86
p-Isopropyltoluene
Concen: 10.546 ug/l
RT: 13.959 min Scan# 2041
Delta R.T. 0.224 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

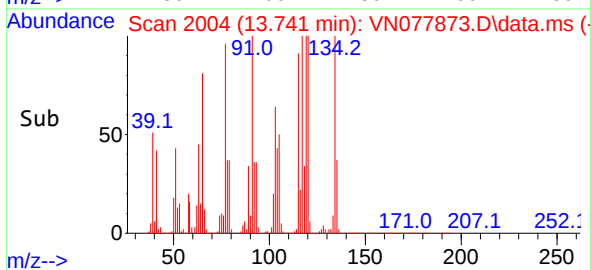
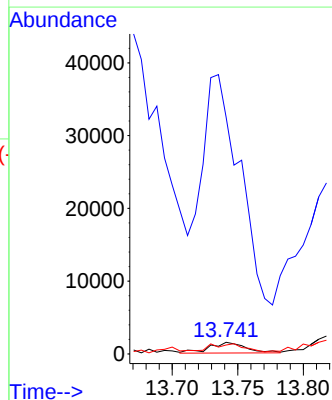
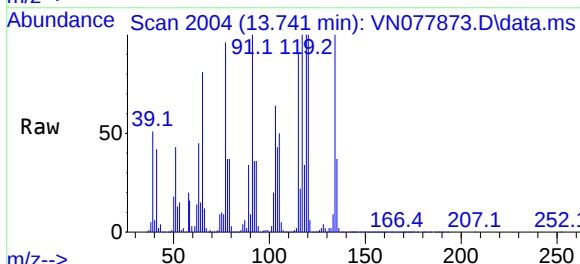
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

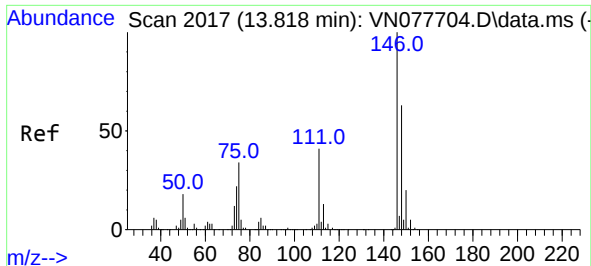
Tgt Ion:119 Resp: 254913
Ion Ratio Lower Upper
119 100
134 0.0 12.6 37.8#
91 204.5 12.4 37.2#



#87
1,3-Dichlorobenzene
Concen: 0.234 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.000 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion:146 Resp: 2870
Ion Ratio Lower Upper
146 100
111 2177.6 22.1 66.3#
148 97.7 32.0 96.0#

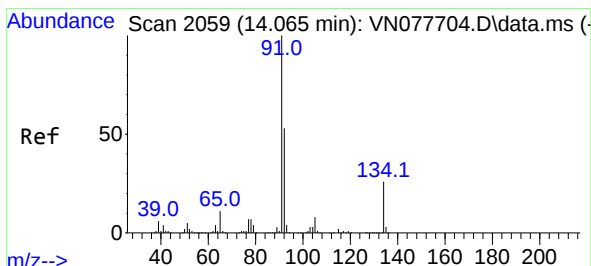
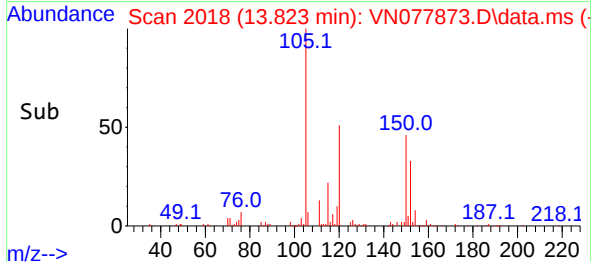
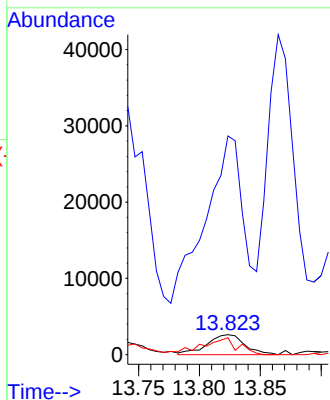
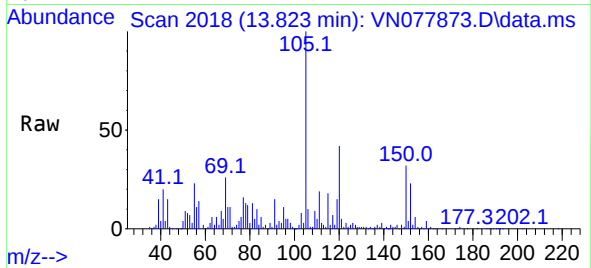




#88
1,4-Dichlorobenzene
Concen: 0.462 ug/l
RT: 13.823 min Scan# 2017
Delta R.T. 0.006 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

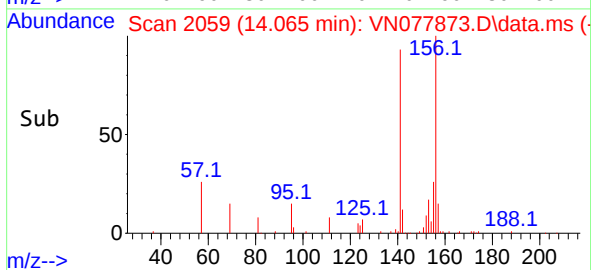
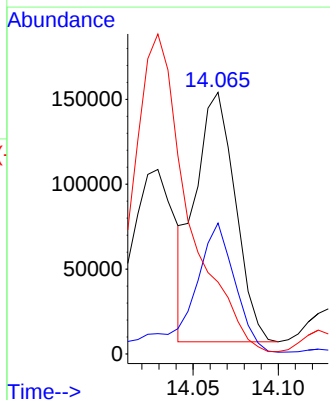
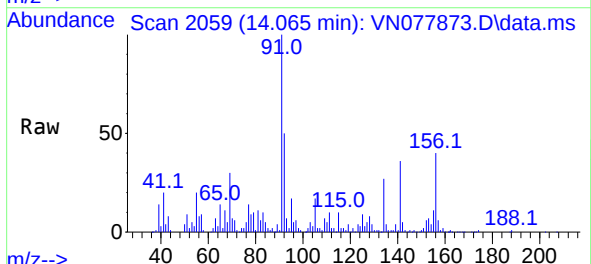
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

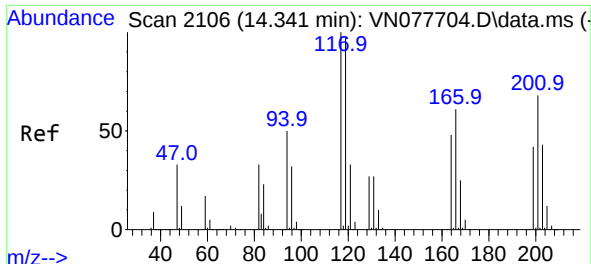
Tgt Ion:146 Resp: 5631
Ion Ratio Lower Upper
146 100
111 828.7 20.6 61.8#
148 83.3 31.6 94.8



#89
n-Butylbenzene
Concen: 10.715 ug/l
RT: 14.065 min Scan# 2059
Delta R.T. 0.001 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion: 91 Resp: 238231
Ion Ratio Lower Upper
91 100
92 55.4 26.4 79.0
134 0.0 12.6 37.6#

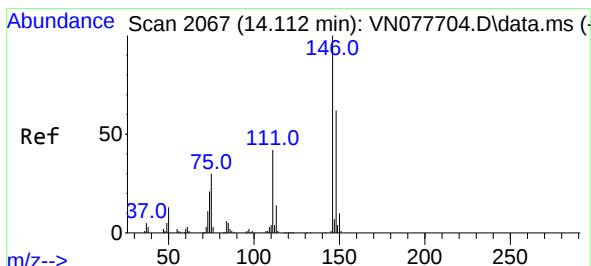
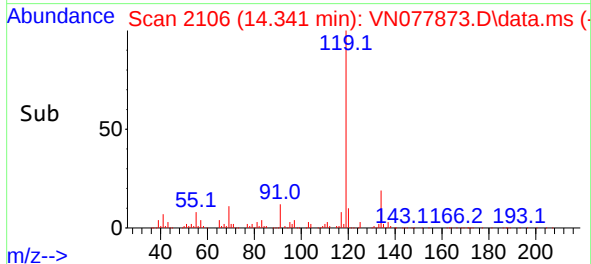
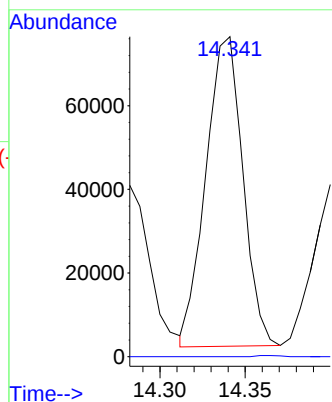
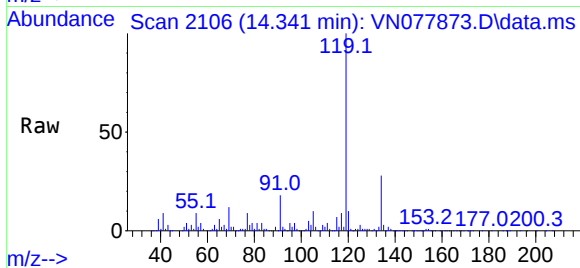




#90
Hexachloroethane
Concen: 28.123 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.000 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

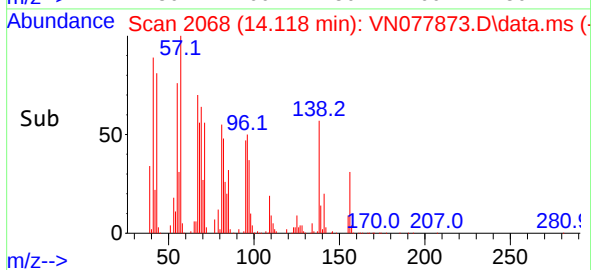
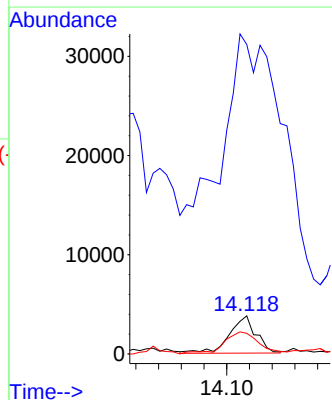
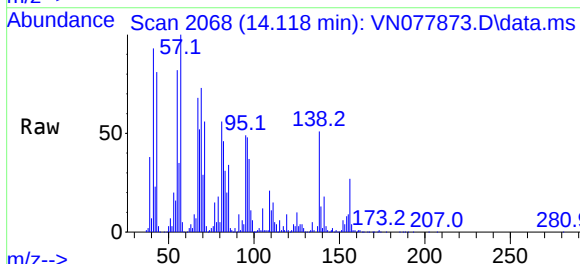
Instrument :
MSVOA_N
ClientSampleId :
OILY-SOLIDS-0523

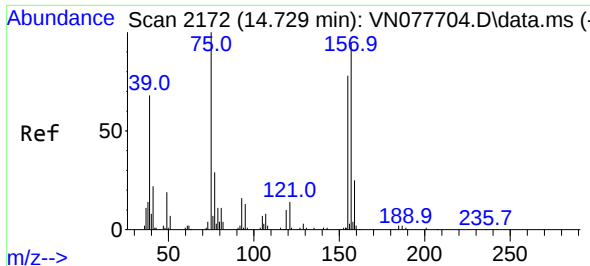
Tgt Ion:117 Resp: 111677
Ion Ratio Lower Upper
117 100
201 0.2 29.3 88.0#



#91
1,2-Dichlorobenzene
Concen: 0.531 ug/l
RT: 14.118 min Scan# 2068
Delta R.T. 0.007 min
Lab File: VN077873.D
Acq: 25 May 2023 01:48

Tgt Ion:146 Resp: 6091
Ion Ratio Lower Upper
146 100
111 446.2 22.0 66.0#
148 78.1 31.8 95.3

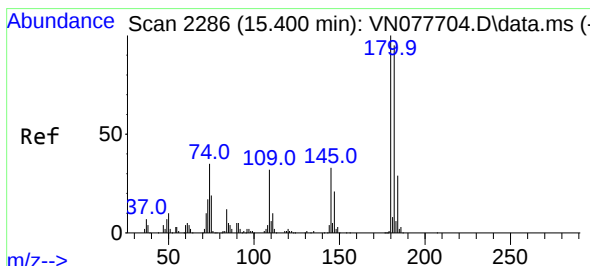
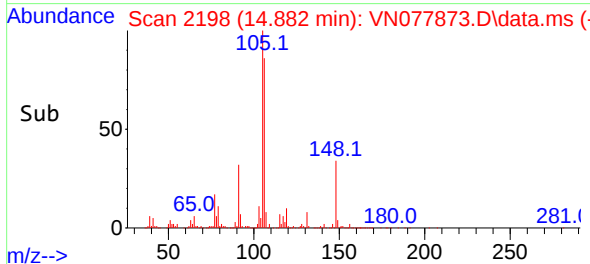
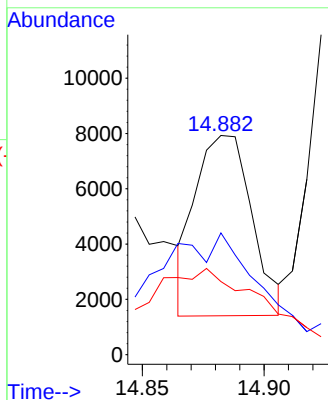
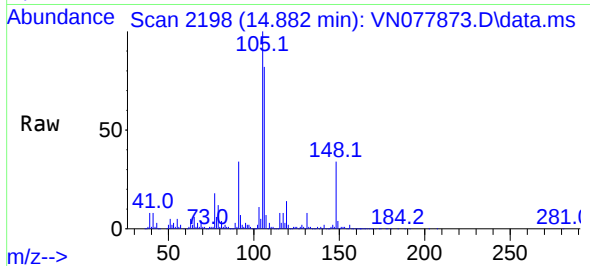




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.066 ug/l
 RT: 14.882 min Scan# 2172
 Delta R.T. 0.159 min
 Lab File: VN077873.D
 Acq: 25 May 2023 01:48

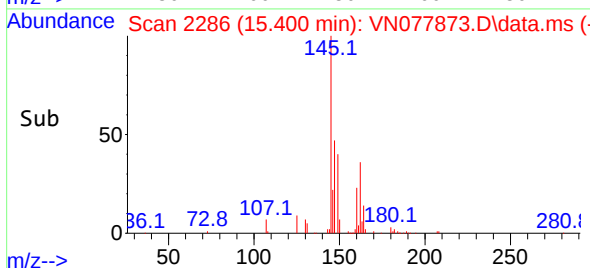
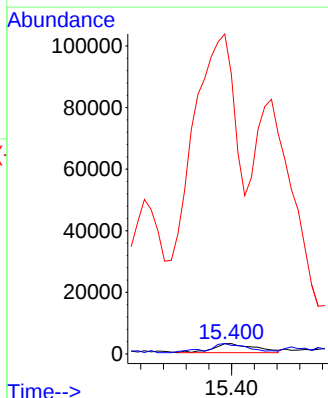
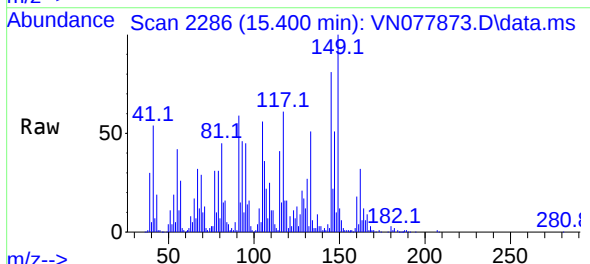
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-SOLIDS-0523

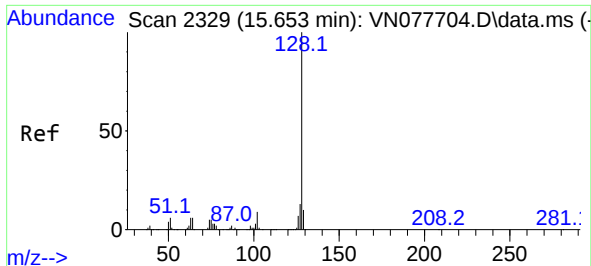
Tgt Ion: 75 Resp: 10505
 Ion Ratio Lower Upper
 75 100
 155 76.1 39.1 117.2
 157 87.1 50.3 150.9



#93
 1,2,4-Trichlorobenzene
 Concen: 1.114 ug/l
 RT: 15.400 min Scan# 2286
 Delta R.T. -0.000 min
 Lab File: VN077873.D
 Acq: 25 May 2023 01:48

Tgt Ion: 180 Resp: 7462
 Ion Ratio Lower Upper
 180 100
 182 95.3 46.1 138.2
 145 3866.7 16.6 49.8#





#95

Naphthalene

Concen: 509.702 ug/l

RT: 15.647 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077873.D

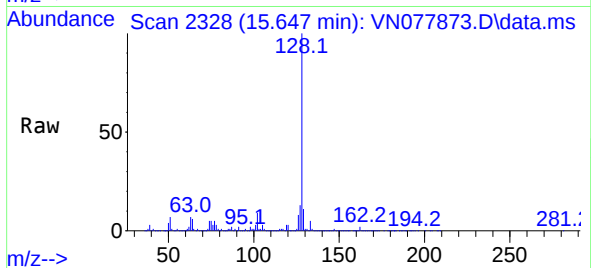
Acq: 25 May 2023 01:48

Instrument :

MSVOA_N

ClientSampleId :

OILY-SOLIDS-0523



Tgt Ion:128 Resp:11753601

Ion Ratio Lower Upper

128 100

127 13.4 10.0 15.0

129 11.7 8.7 13.1

