

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031924\
 Data File : VN081482.D
 Acq On : 19 Mar 2024 19:44
 Operator : JC\MD
 Sample : P1793-01 20X
 Misc : 1.01g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-DEBRIS-DRUMS

Quant Time: Mar 20 01:24:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

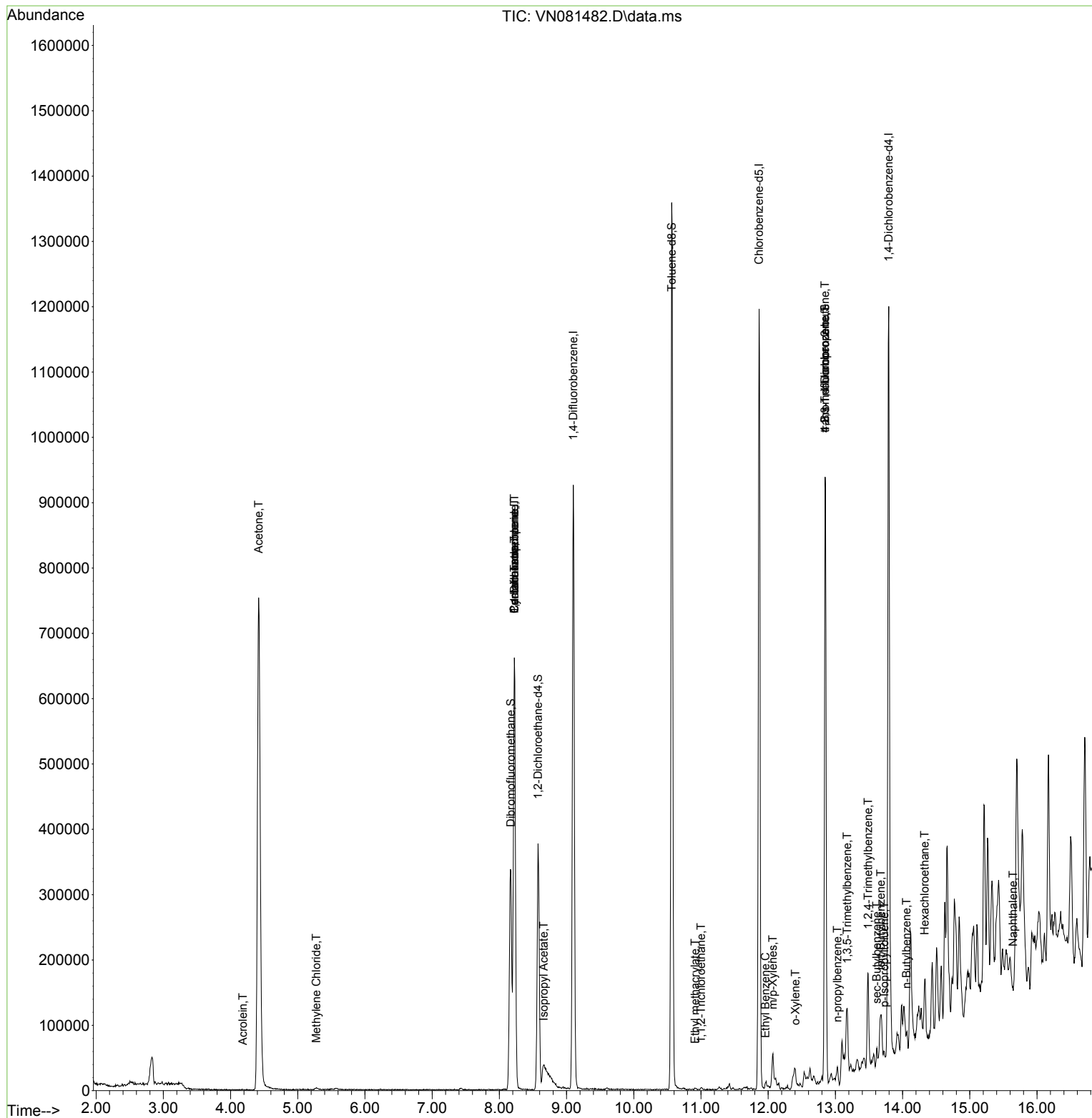
Internal Standards						
1) Pentafluorobenzene	8.223	168	473411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	805666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	706569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	315775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	300083	49.705	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.420%		
35) Dibromofluoromethane	8.170	113	247777	48.731	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.460%		
50) Toluene-d8	10.564	98	944495	51.387	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.780%		
62) 4-Bromofluorobenzene	12.847	95	322975	49.869	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	99.740%		
Target Compounds						Qvalue
13) Acrolein	4.183	56	199	0.211	ug/l	97
16) Acetone	4.418	43	1398556	716.807	ug/l	97
20) Methylene Chloride	5.277	84	1682	0.263	ug/l #	76
31) Cyclohexane	8.223	56	10909	1.110	ug/l #	1
36) 1,1-Dichloropropene	8.223	75	38280	4.474	ug/l #	50
38) Carbon Tetrachloride	8.223	117	51141	5.456	ug/l #	18
43) Isopropyl Acetate	8.659	43	29708	2.446	ug/l #	61
55) 1,1,2-Trichloroethane	11.000	97	1507	0.236	ug/l #	27
56) Ethyl methacrylate	10.911	69	111	0.583	ug/l #	1
67) Ethyl Benzene	11.958	91	6851	0.236	ug/l #	69
68) m/p-Xylenes	12.070	106	12774	1.174	ug/l	92
69) o-Xylene	12.406	106	6223	0.583	ug/l	90
76) 1,2,3-Trichloropropane	12.847	75	167302	22.149	ug/l #	1
78) n-propylbenzene	13.029	91	10482	0.330	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	34687	1.560	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.847	75	167302	59.854	ug/l #	14
83) tert-Butylbenzene	13.676	119	11888	0.620	ug/l	74
84) 1,2,4-Trimethylbenzene	13.488	105	88832	3.976	ug/l	92
85) sec-Butylbenzene	13.617	105	8504	0.310	ug/l #	75
86) p-Isopropyltoluene	13.729	119	9202	0.411	ug/l	86
89) n-Butylbenzene	14.058	91	11905	0.599	ug/l #	77
90) Hexachloroethane	14.329	117	3369	0.794	ug/l #	21
95) Naphthalene	15.646	128	16836	0.764	ug/l #	86

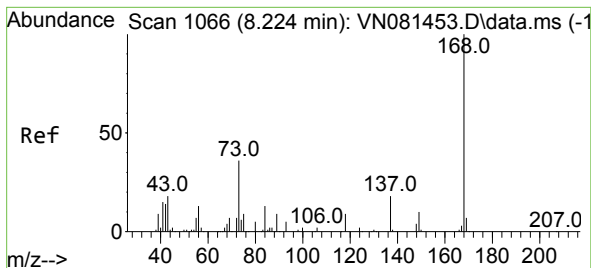
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 19 06:00:00 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.223 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN081482.D

Acq: 19 Mar 2024 19:44

Instrument :

MSVOA_N

ClientSampleId :

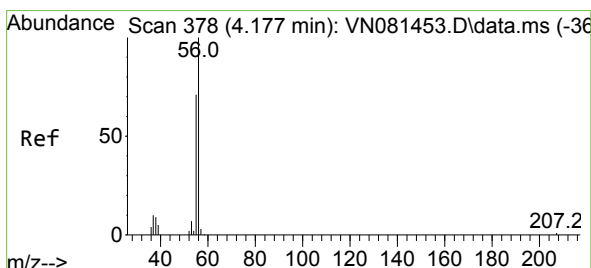
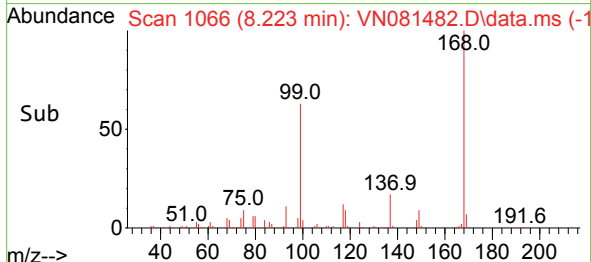
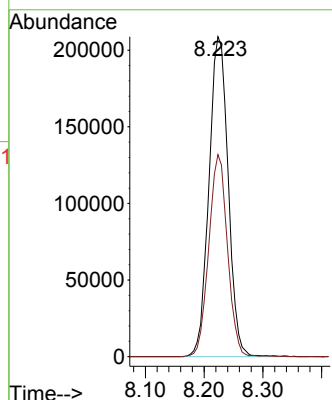
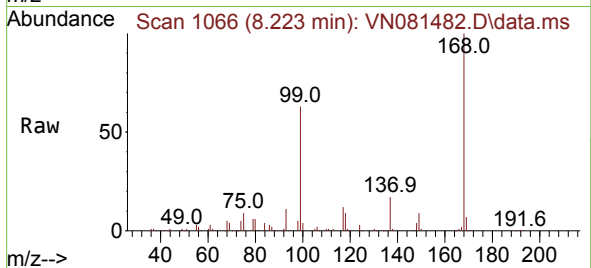
OILY-DEBRIS-DRUMS

Tgt Ion:168 Resp: 473411

Ion Ratio Lower Upper

168 100

99 63.1 59.9 89.9



#13

Acrolein

Concen: 0.211 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.006 min

Lab File: VN081482.D

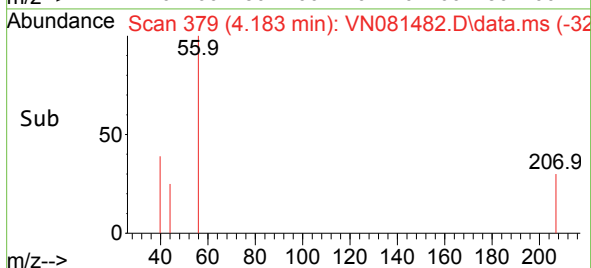
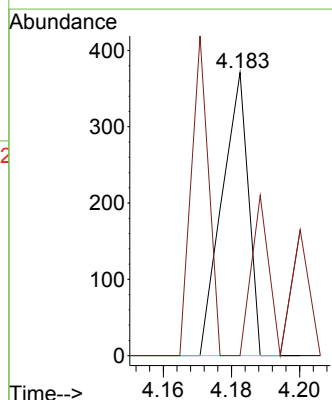
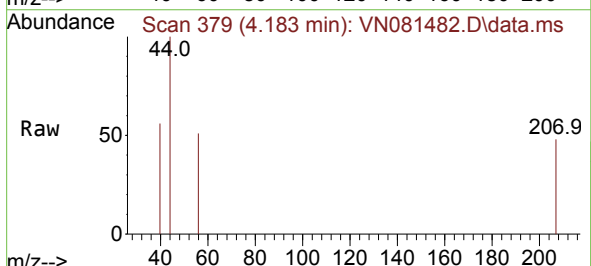
Acq: 19 Mar 2024 19:44

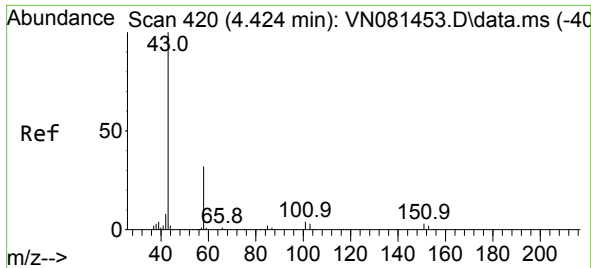
Tgt Ion: 56 Resp: 199

Ion Ratio Lower Upper

56 100

55 66.3 55.3 82.9





#16

Acetone

Concen: 716.807 ug/l

RT: 4.418 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN081482.D

Acq: 19 Mar 2024 19:44

Instrument :

MSVOA_N

ClientSampleId :

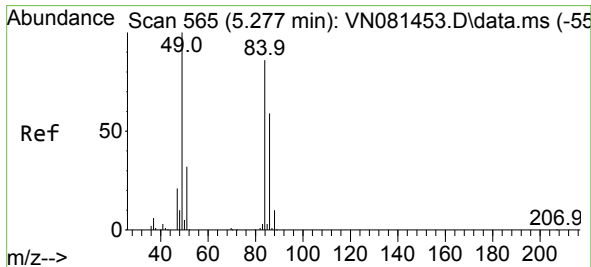
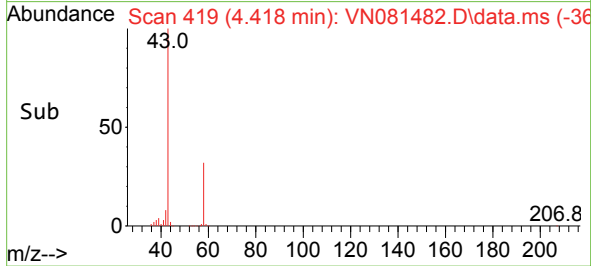
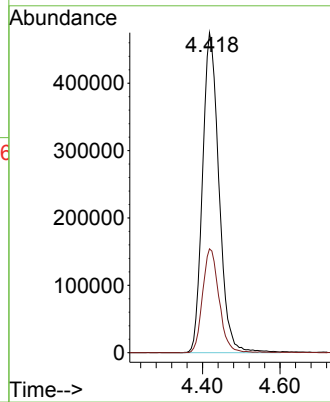
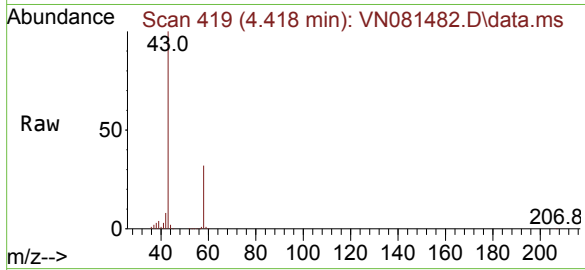
OILY-DEBRIS-DRUMS

Tgt Ion: 43 Resp: 1398556

Ion Ratio Lower Upper

43 100

58 32.5 24.8 37.2



#20

Methylene Chloride

Concen: 0.263 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN081482.D

Acq: 19 Mar 2024 19:44

Tgt Ion: 84 Resp: 1682

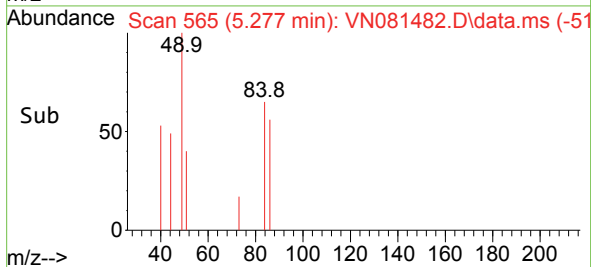
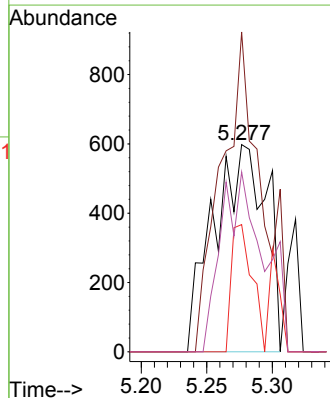
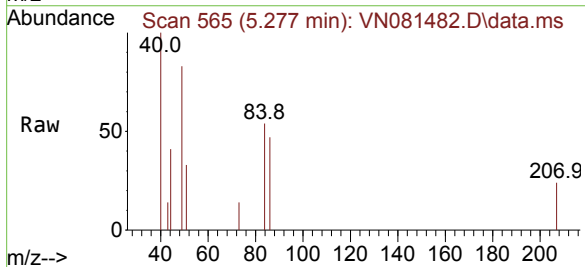
Ion Ratio Lower Upper

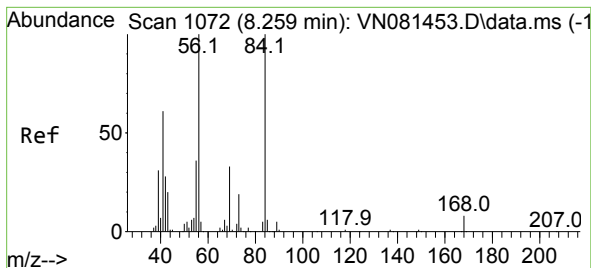
84 100

49 154.3 108.1 162.1

51 61.4 32.9 49.3#

86 86.8 48.6 73.0#





#31

Cyclohexane

Concen: 1.110 ug/l

RT: 8.223 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081482.D

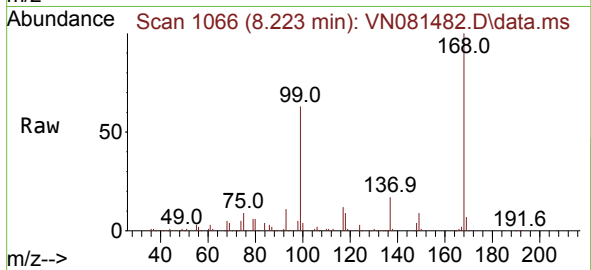
Acq: 19 Mar 2024 19:44

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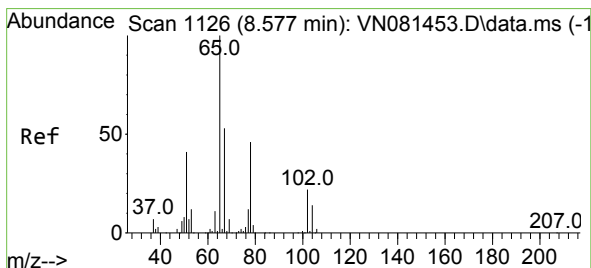
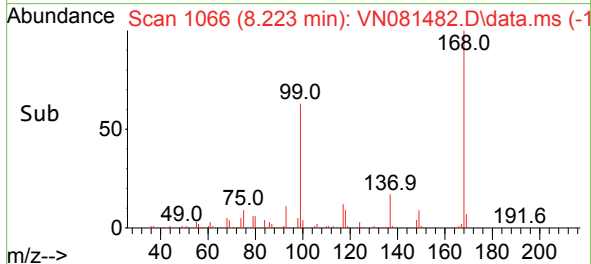
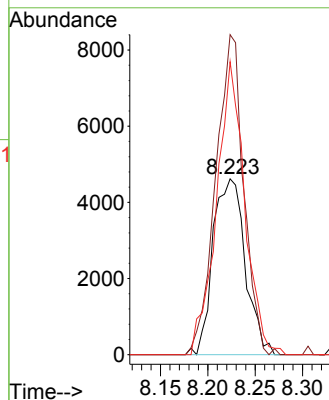
Tgt Ion: 56 Resp: 10909

Ion Ratio Lower Upper

56 100

69 181.9 20.1 30.1#

84 166.6 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 49.705 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081482.D

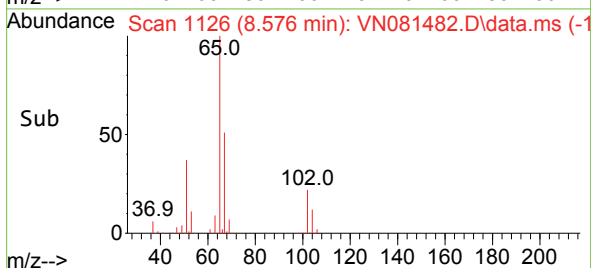
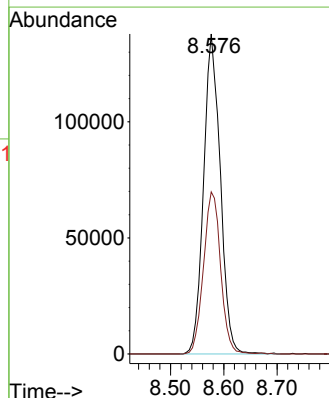
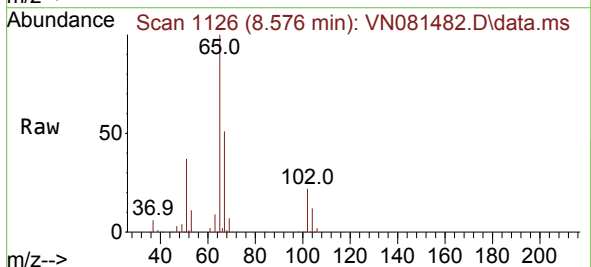
Acq: 19 Mar 2024 19:44

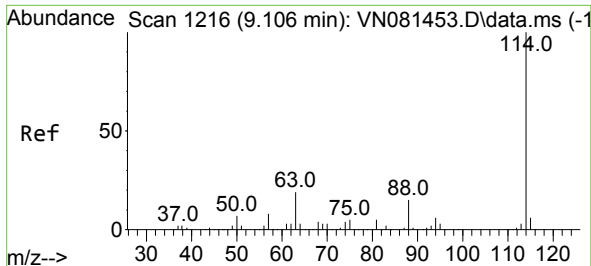
Tgt Ion: 65 Resp: 300083

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081482.D

Acq: 19 Mar 2024 19:44

Instrument :

MSVOA_N

ClientSampleId :

OILY-DEBRIS-DRUMS

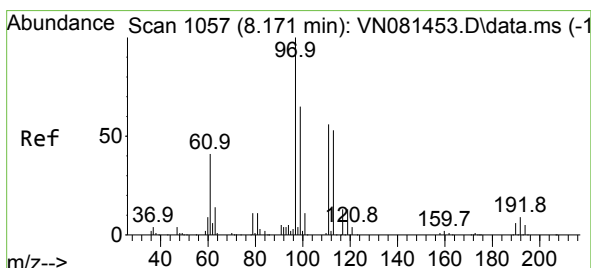
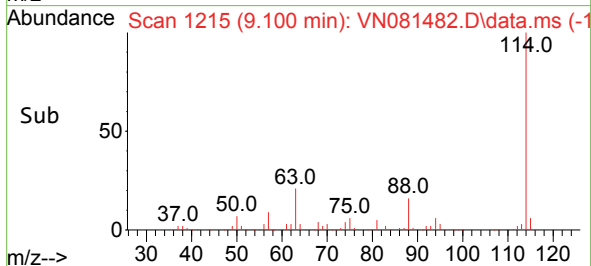
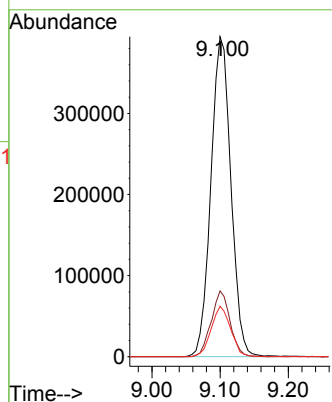
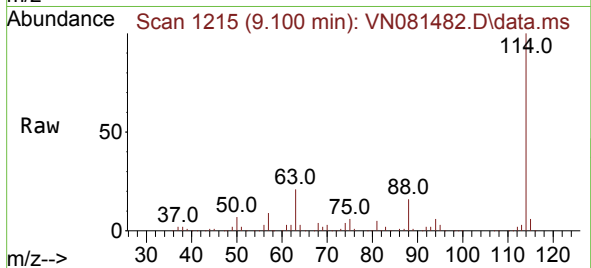
Tgt Ion:114 Resp: 805666

Ion Ratio Lower Upper

114 100

63 20.5 0.0 48.0

88 15.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.731 ug/l

RT: 8.170 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN081482.D

Acq: 19 Mar 2024 19:44

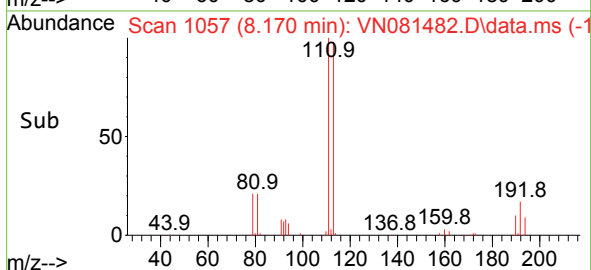
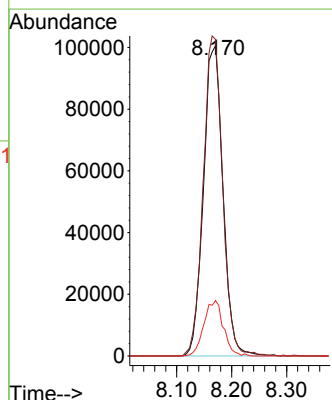
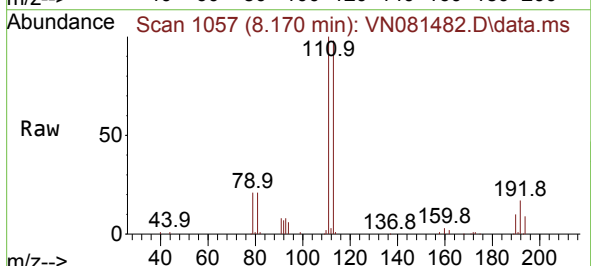
Tgt Ion:113 Resp: 247777

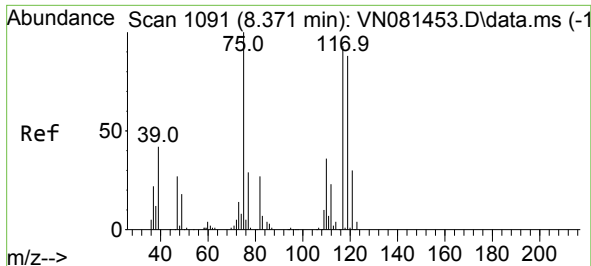
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 17.9 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.474 ug/l

RT: 8.223 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081482.D

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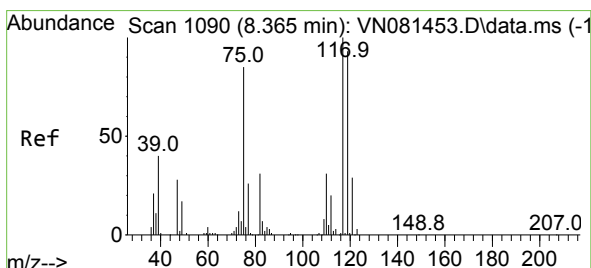
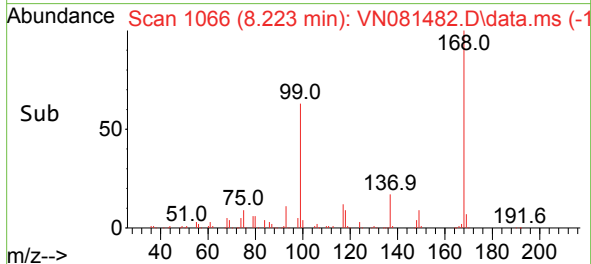
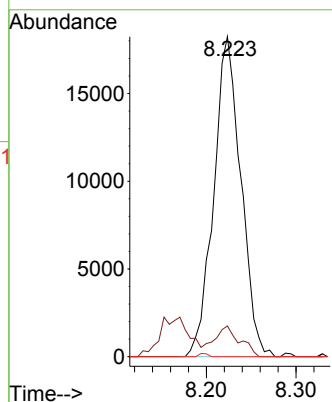
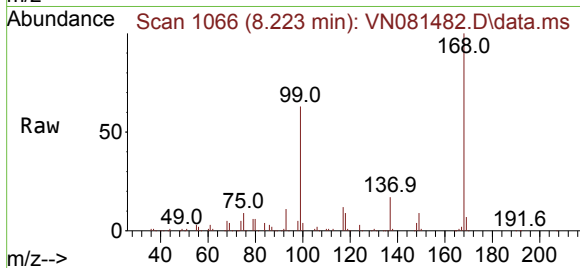
Tgt Ion: 75 Resp: 38280

Ion Ratio Lower Upper

75 100

110 8.5 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 5.456 ug/l

RT: 8.223 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081482.D

Acq: 19 Mar 2024 19:44

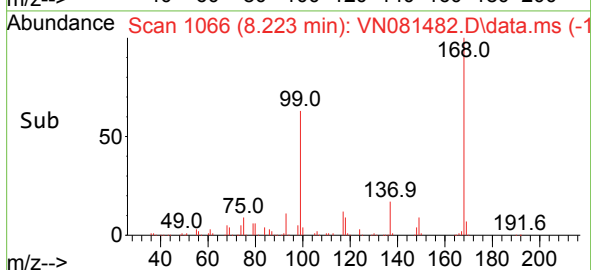
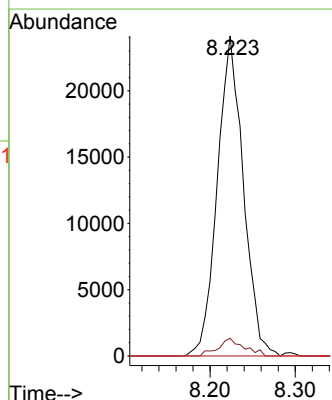
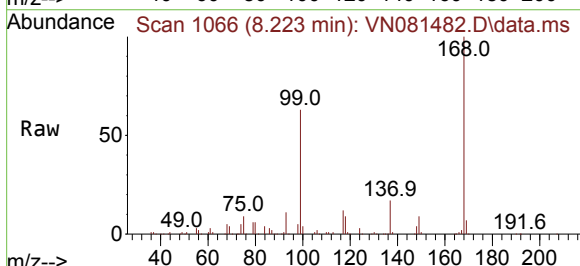
Tgt Ion: 117 Resp: 51141

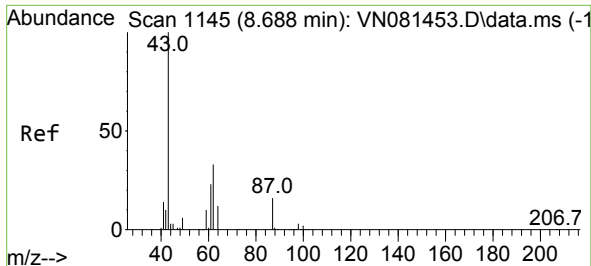
Ion Ratio Lower Upper

117 100

119 5.5 73.4 110.2#

121 0.0 24.4 36.6#

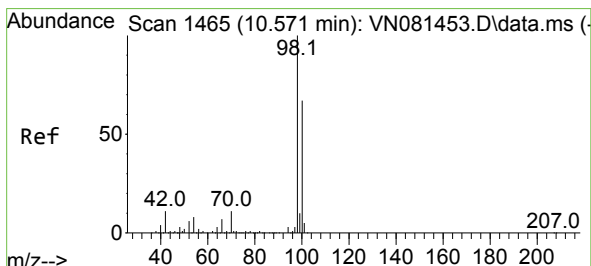
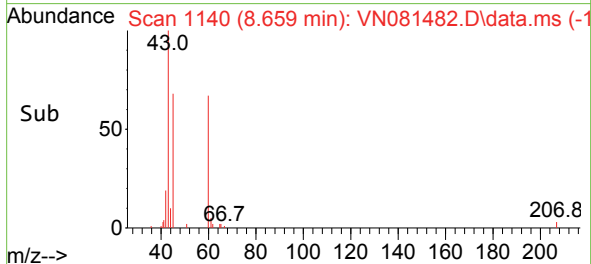
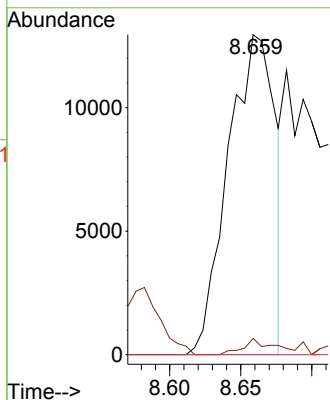
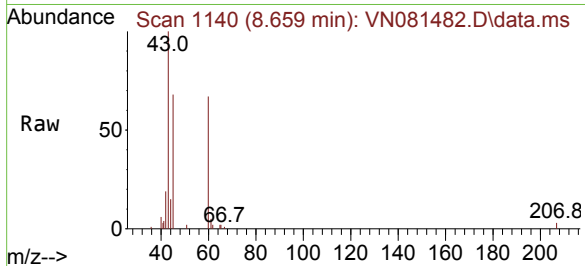




#43
Isopropyl Acetate
Concen: 2.446 ug/l
RT: 8.659 min Scan# 1145
Delta R.T. -0.030 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

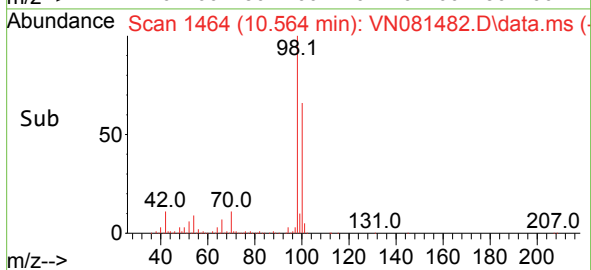
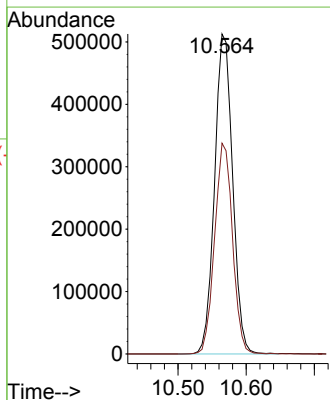
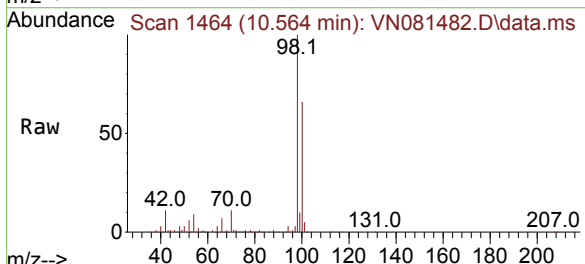
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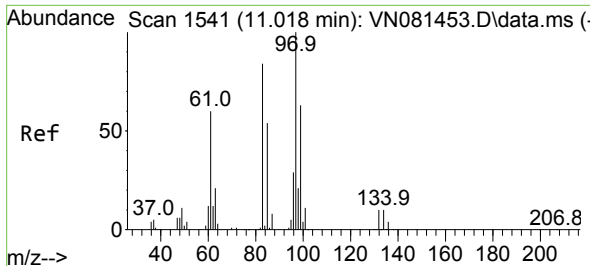
Tgt Ion: 43 Resp: 29708
Ion Ratio Lower Upper
43 100
61 3.3 19.9 29.9#
87 0.0 9.0 13.6#



#50
Toluene-d8
Concen: 51.387 ug/l
RT: 10.564 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

Tgt Ion: 98 Resp: 944495
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.0

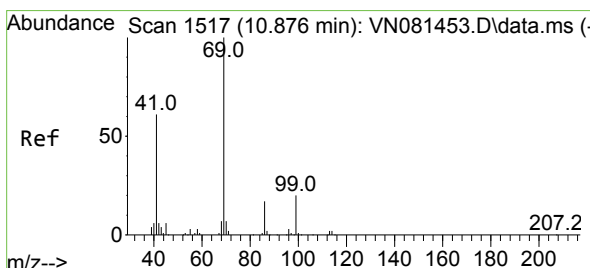
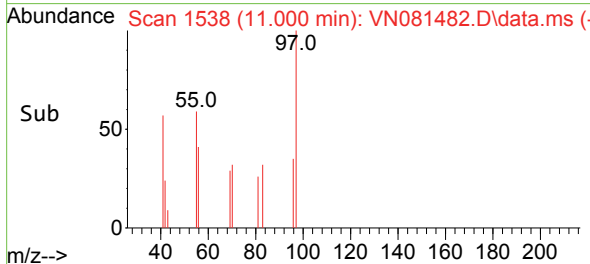
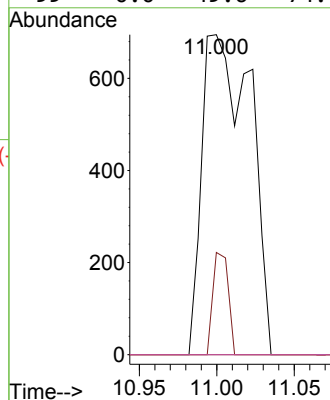
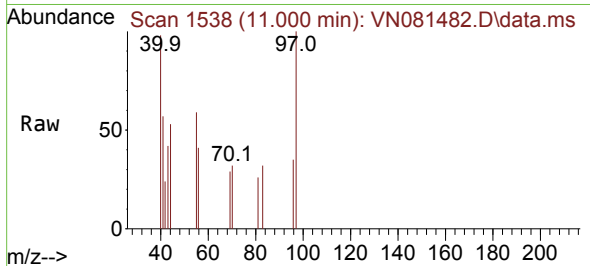




#55
1,1,2-Trichloroethane
Concen: 0.236 ug/l
RT: 11.000 min Scan# 1507
Delta R.T. -0.018 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

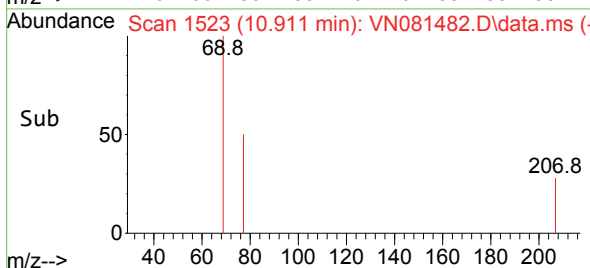
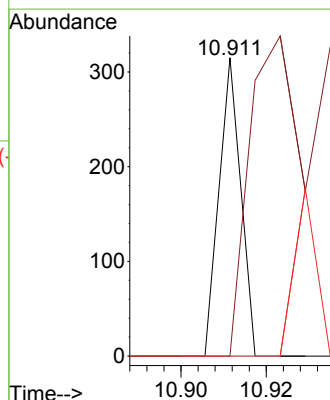
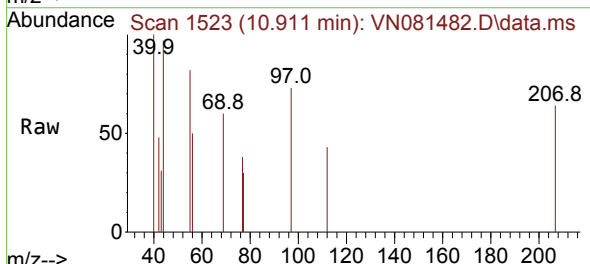
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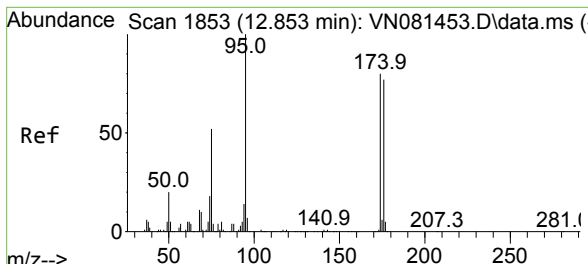
Tgt Ion: 97	Resp:	1507
Ion	Ratio	Lower Upper
97	100	
83	31.9	72.9 109.3#
85	0.0	50.2 75.2#
99	0.0	49.6 74.4#



#56
Ethyl methacrylate
Concen: 0.583 ug/l
RT: 10.911 min Scan# 1523
Delta R.T. 0.035 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

Tgt Ion: 69	Resp:	111
Ion	Ratio	Lower Upper
69	100	
41	359.5	61.0 91.6#
39	55.9	31.8 47.6#

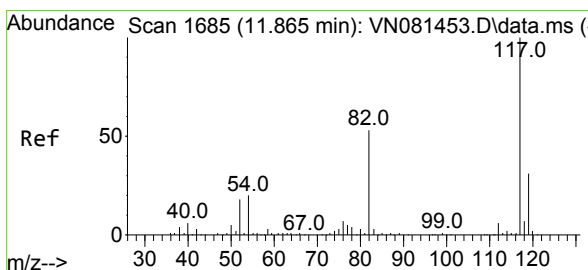
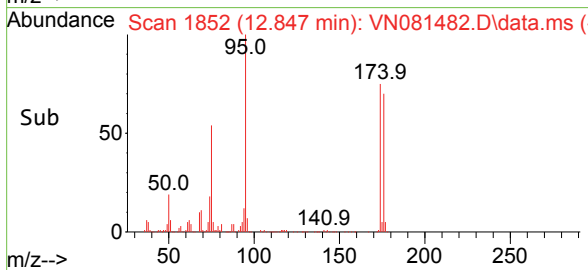
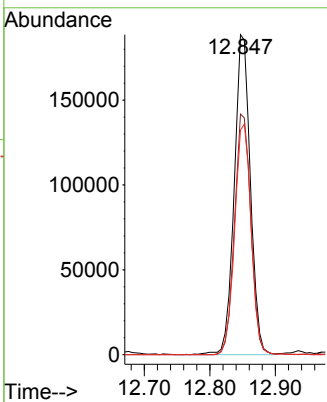
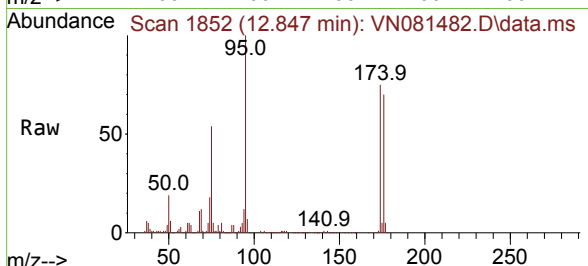




#62
4-Bromofluorobenzene
Concen: 49.869 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

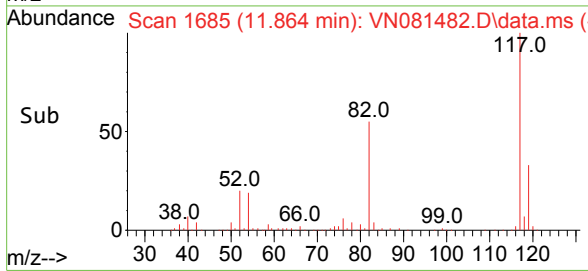
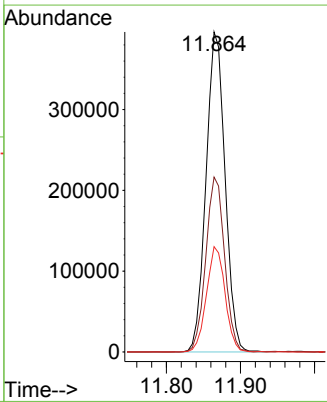
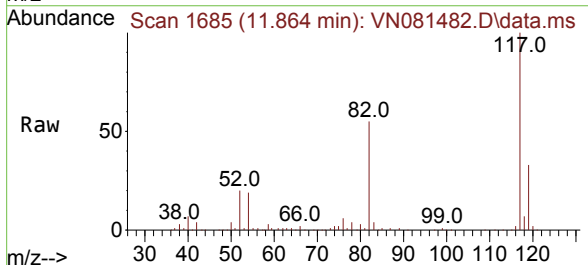
Instrument : MSVOA_N
ClientSampleId : OILY-DEBRIS-DRUMS

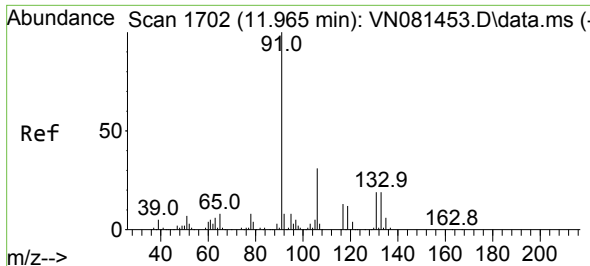
Tgt Ion:	95	Resp:	322975
Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	120.4
176	73.2	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

Tgt Ion:	117	Resp:	706569
Ion	Ratio	Lower	Upper
117	100		
82	54.6	52.7	79.1
119	32.9	25.3	37.9

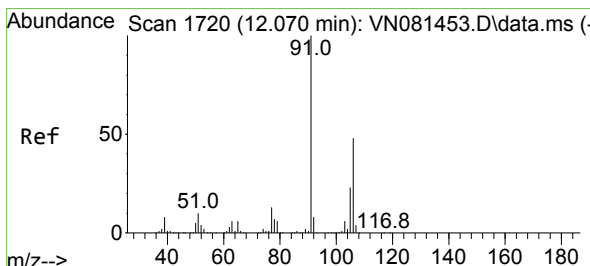
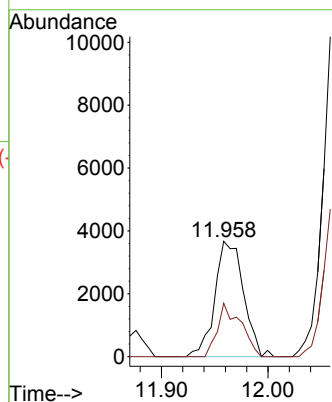
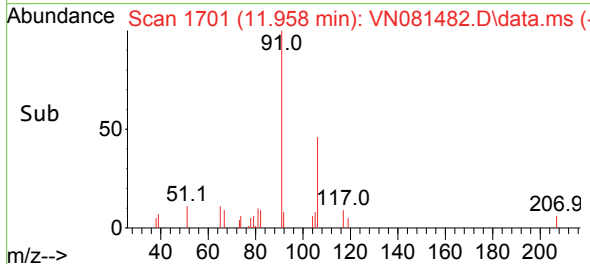
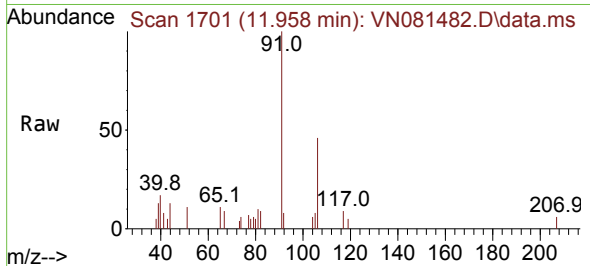




#67
Ethyl Benzene
Concen: 0.236 ug/l
RT: 11.958 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

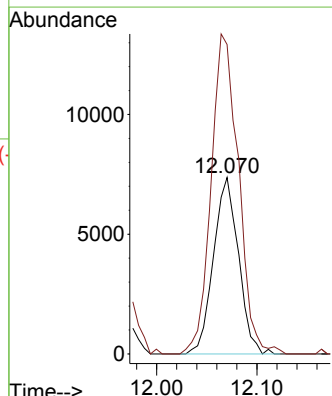
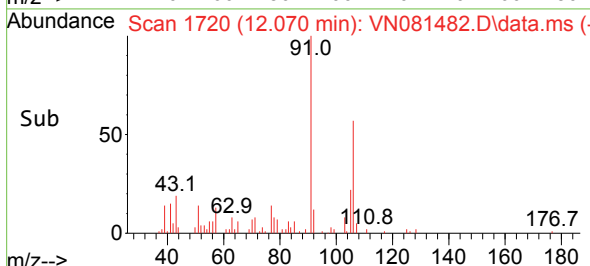
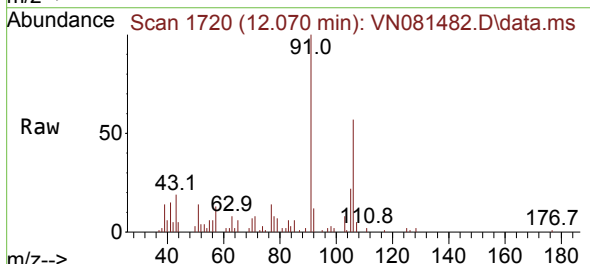
Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-DRUMS

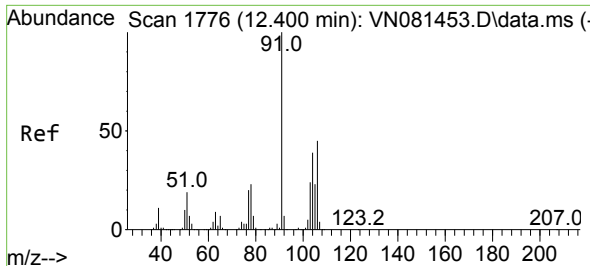
Tgt Ion: 91 Resp: 6851
Ion Ratio Lower Upper
91 100
106 46.4 23.8 35.6#



#68
m/p-Xylenes
Concen: 1.174 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

Tgt Ion:106 Resp: 12774
Ion Ratio Lower Upper
106 100
91 198.9 169.0 253.6

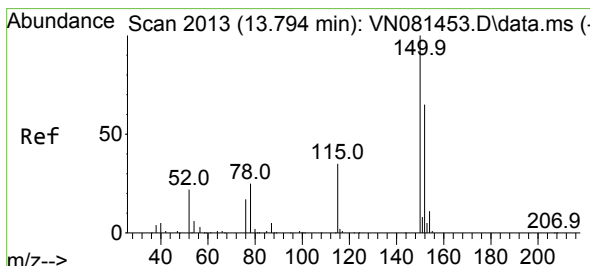
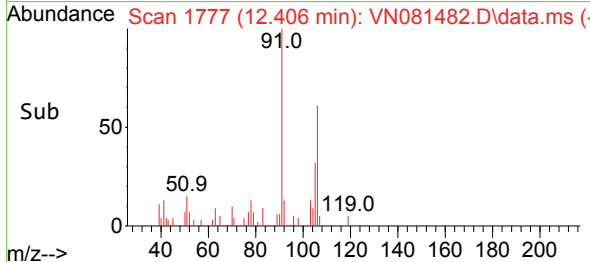
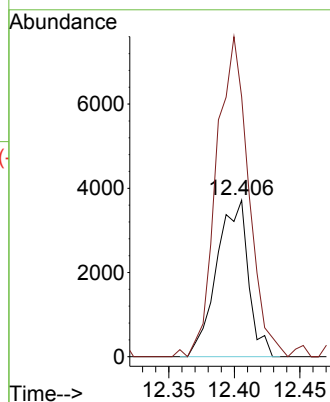
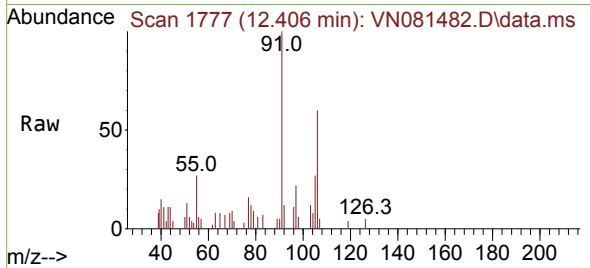




#69
o-Xylene
Concen: 0.583 ug/l
RT: 12.406 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

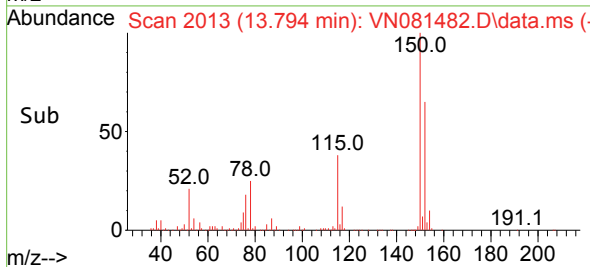
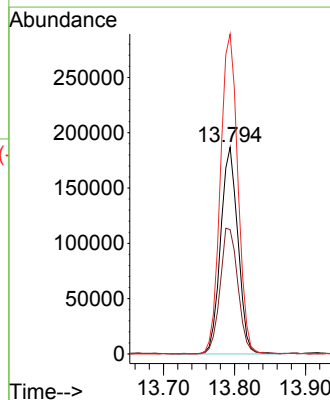
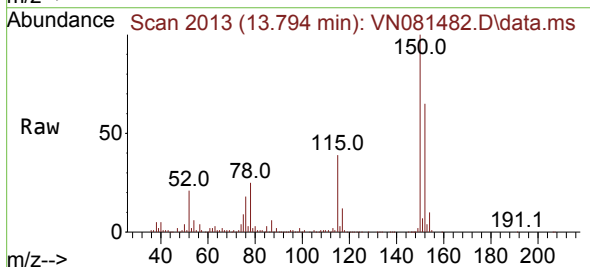
Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-DRUMS

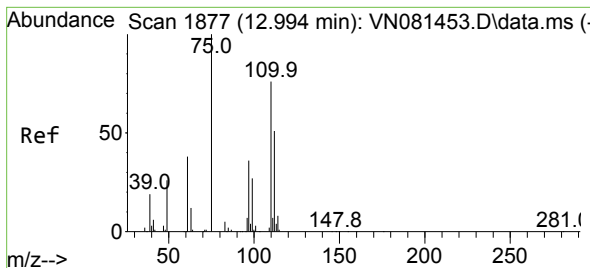
Tgt Ion:106 Resp: 6223
Ion Ratio Lower Upper
106 100
91 208.4 112.1 336.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

Tgt Ion:152 Resp: 315775
Ion Ratio Lower Upper
152 100
115 62.5 32.3 96.8
150 156.0 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 22.149 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081482.D

Acq: 19 Mar 2024 19:44

Instrument :

MSVOA_N

ClientSampleId :

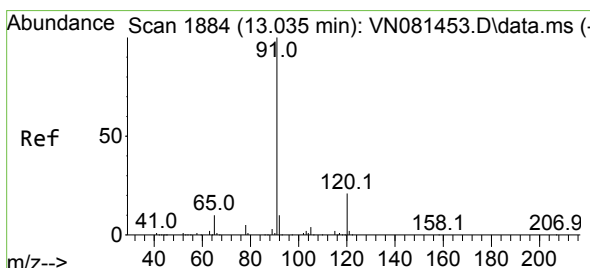
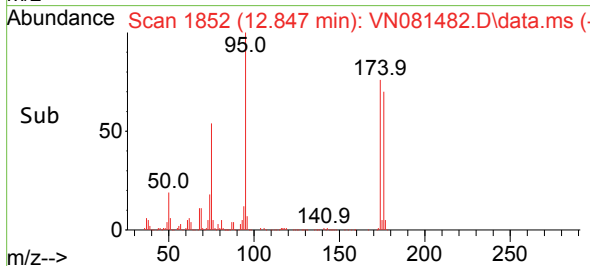
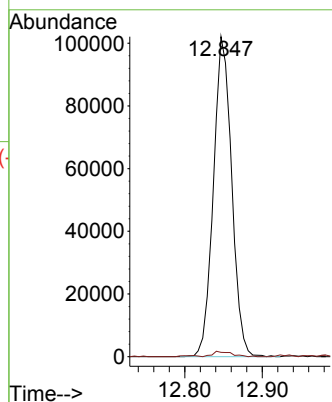
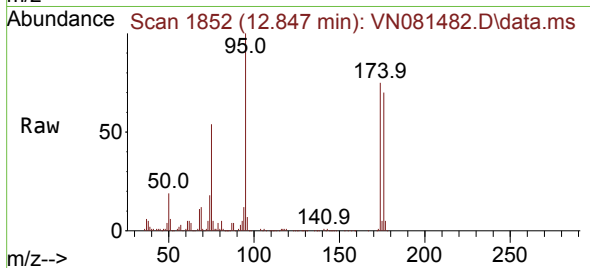
OILY-DEBRIS-DRUMS

Tgt Ion: 75 Resp: 167302

Ion Ratio Lower Upper

75 100

77 1.7 91.0 272.8#



#78

n-propylbenzene

Concen: 0.330 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.006 min

Lab File: VN081482.D

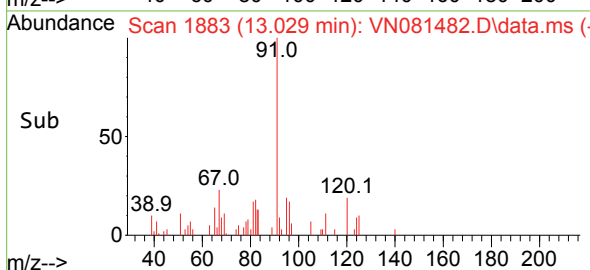
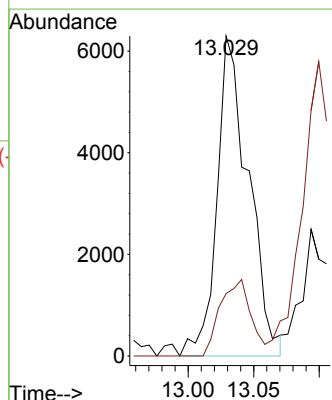
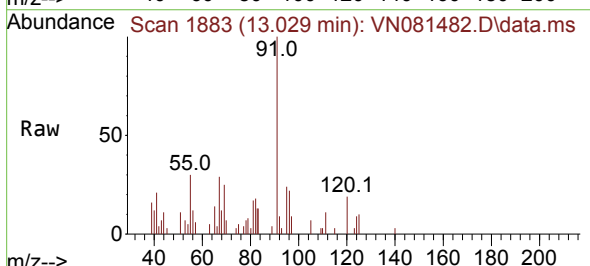
Acq: 19 Mar 2024 19:44

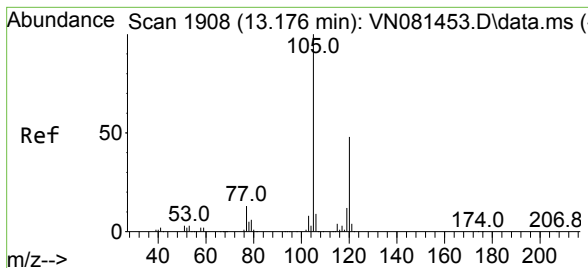
Tgt Ion: 91 Resp: 10482

Ion Ratio Lower Upper

91 100

120 23.3 10.3 30.9





#80

1,3,5-Trimethylbenzene

Concen: 1.560 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VN081482.D

Acq: 19 Mar 2024 19:44

Instrument :

MSVOA_N

ClientSampleId :

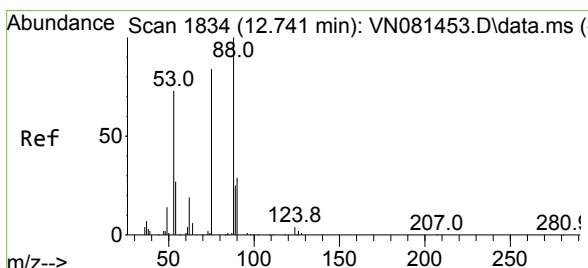
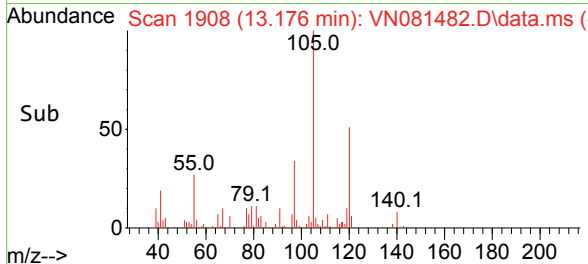
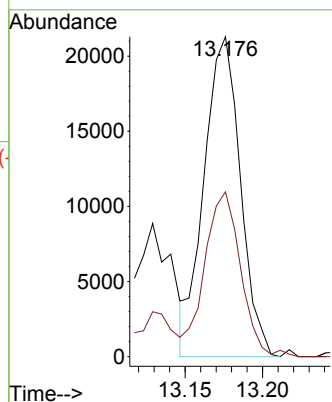
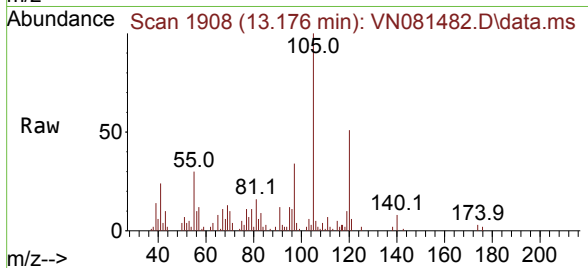
OILY-DEBRIS-DRUMS

Tgt Ion:105 Resp: 34687

Ion Ratio Lower Upper

105 100

120 50.9 23.0 69.0



#81

trans-1,4-Dichloro-2-butene

Concen: 59.854 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN081482.D

Acq: 19 Mar 2024 19:44

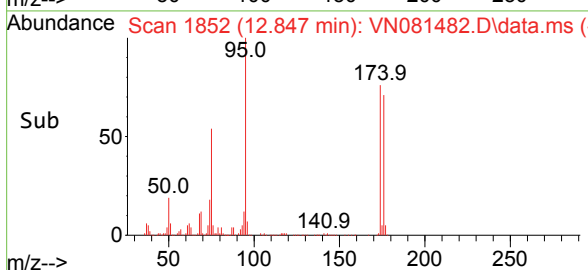
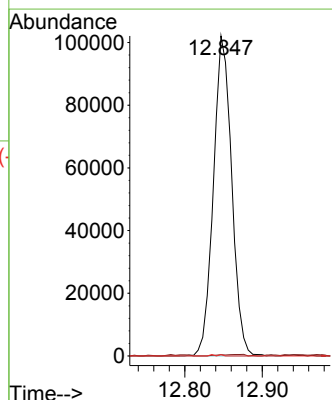
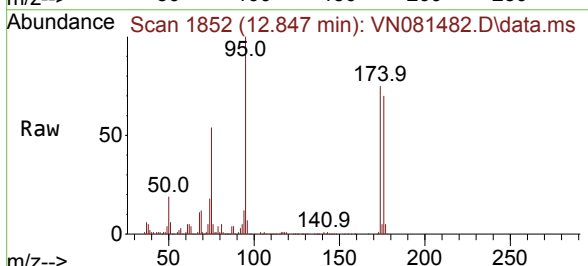
Tgt Ion: 75 Resp: 167302

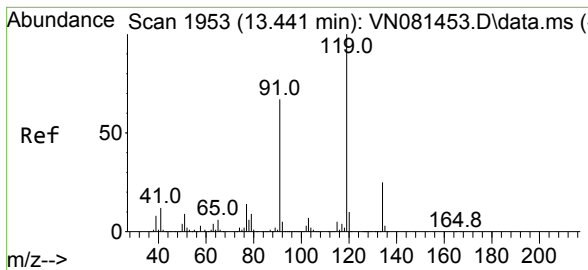
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.2 33.4 50.0#

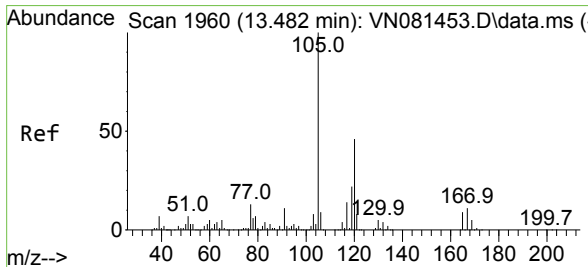
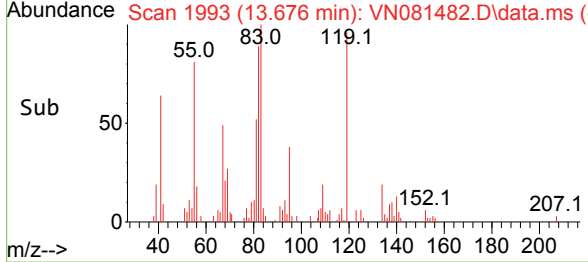
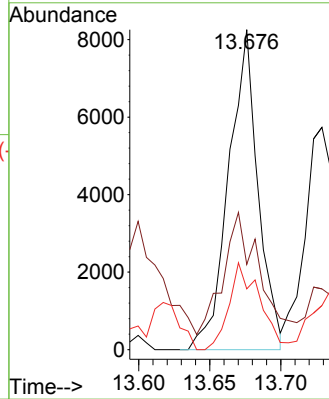
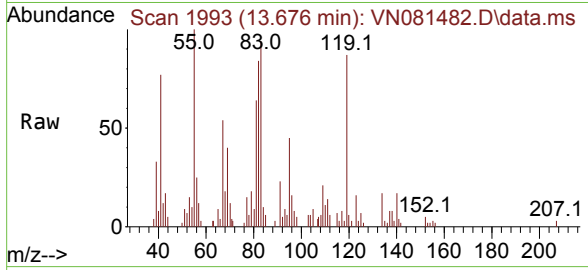




#83
tert-Butylbenzene
Concen: 0.620 ug/l
RT: 13.676 min Scan# 1993
Delta R.T. 0.235 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

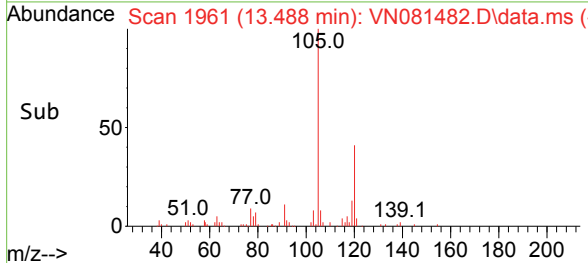
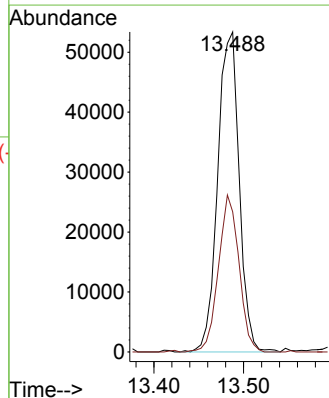
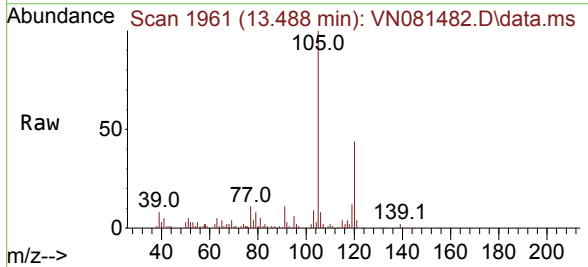
Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-DRUMS

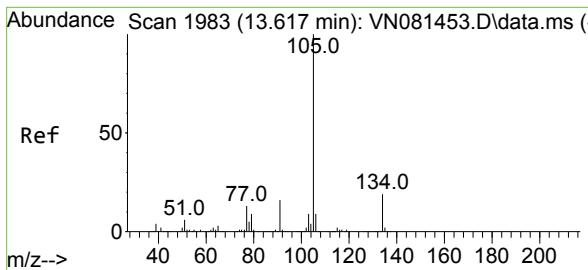
Tgt Ion:	119	Resp:	11888
Ion	Ratio	Lower	Upper
119	100		
91	45.7	36.8	110.4
134	28.4	12.4	37.4



#84
1,2,4-Trimethylbenzene
Concen: 3.976 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

Tgt Ion:	105	Resp:	88832
Ion	Ratio	Lower	Upper
105	100		
120	46.9	20.9	62.7

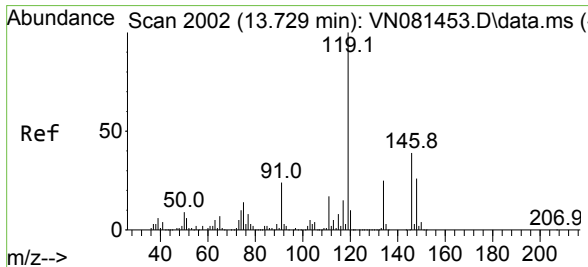
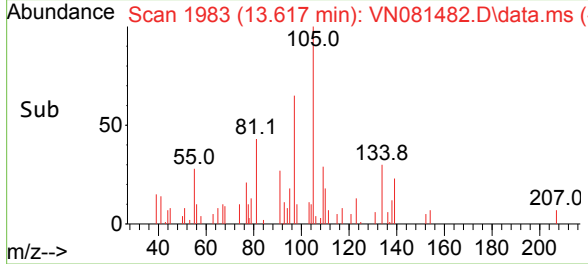
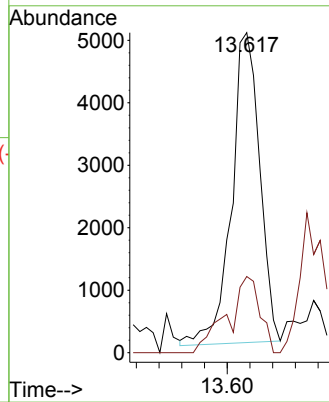
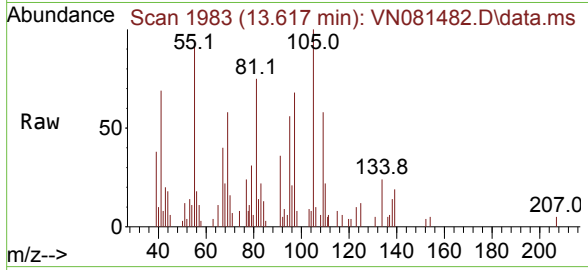




#85
 sec-Butylbenzene
 Concen: 0.310 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN081482.D
 Acq: 19 Mar 2024 19:44

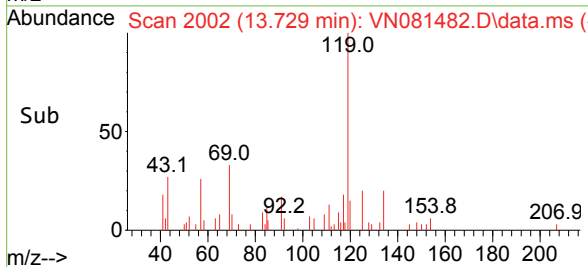
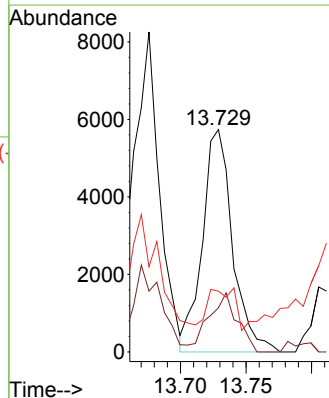
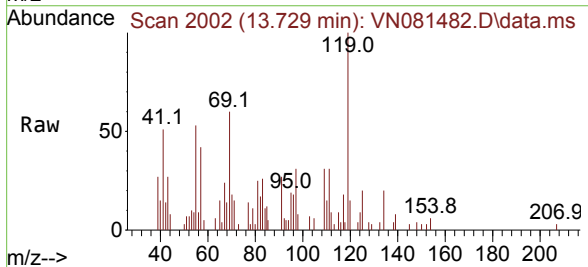
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-DEBRIS-DRUMS

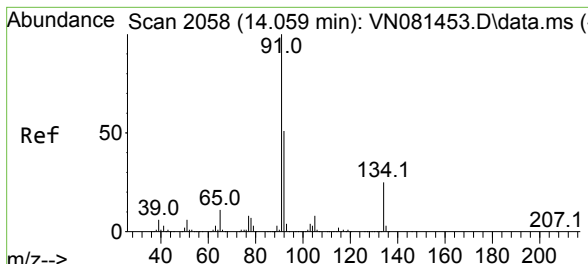
Tgt Ion:105 Resp: 8504
 Ion Ratio Lower Upper
 105 100
 134 28.2 8.6 25.8#



#86
 p-Isopropyltoluene
 Concen: 0.411 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN081482.D
 Acq: 19 Mar 2024 19:44

Tgt Ion:119 Resp: 9202
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.4 37.2
 91 13.5 13.5 40.4

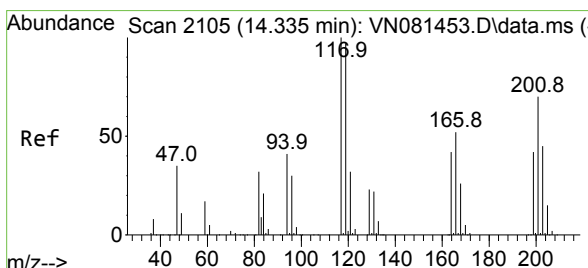
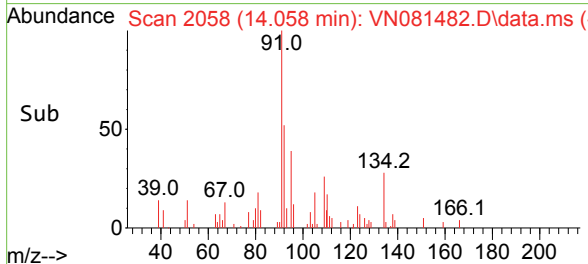
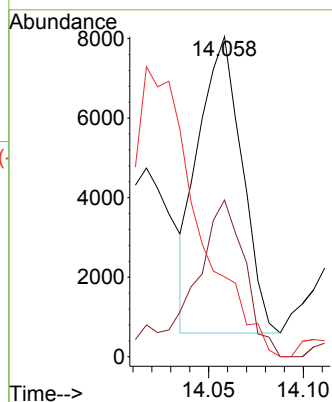
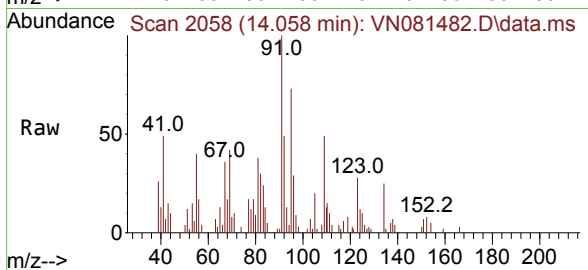




#89
n-Butylbenzene
Concen: 0.599 ug/l
RT: 14.058 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

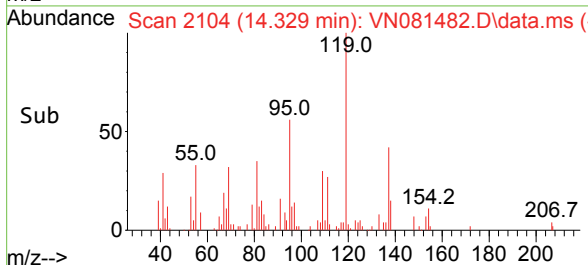
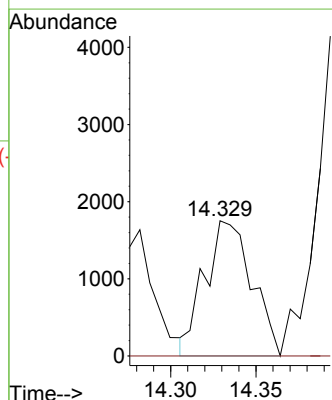
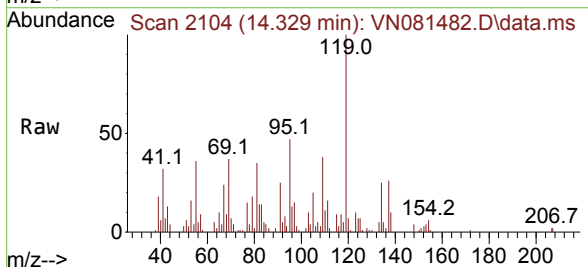
Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-DRUMS

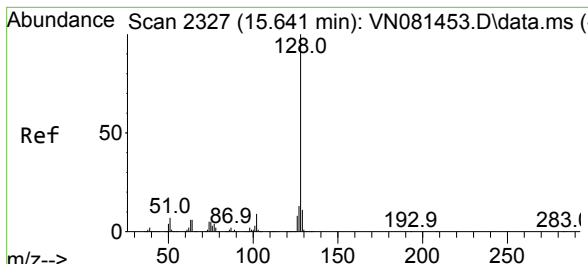
Tgt Ion: 91	Resp: 11905
Ion Ratio	Lower Upper
91	100
92	63.3 26.7 80.1
134	0.0 10.8 32.4#



#90
Hexachloroethane
Concen: 0.794 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN081482.D
Acq: 19 Mar 2024 19:44

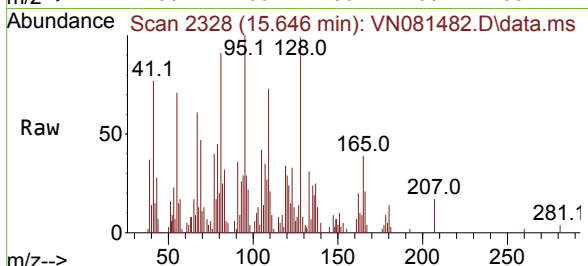
Tgt Ion: 117	Resp: 3369
Ion Ratio	Lower Upper
117	100
201	0.0 30.0 90.0#





#95
 Naphthalene
 Concen: 0.764 ug/l
 RT: 15.646 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN081482.D
 Acq: 19 Mar 2024 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-DEBRIS-DRUMS



Tgt Ion:128 Resp: 16836

Ion	Ratio	Lower	Upper
128	100		
127	8.5	10.0	15.0#
129	3.9	8.7	13.1#

