

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031925\
 Data File : VN086015.D
 Acq On : 19 Mar 2025 17:39
 Operator : JC\MD
 Sample : Q1592-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-DEBRIS-COMP

Quant Time: Mar 20 01:35:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

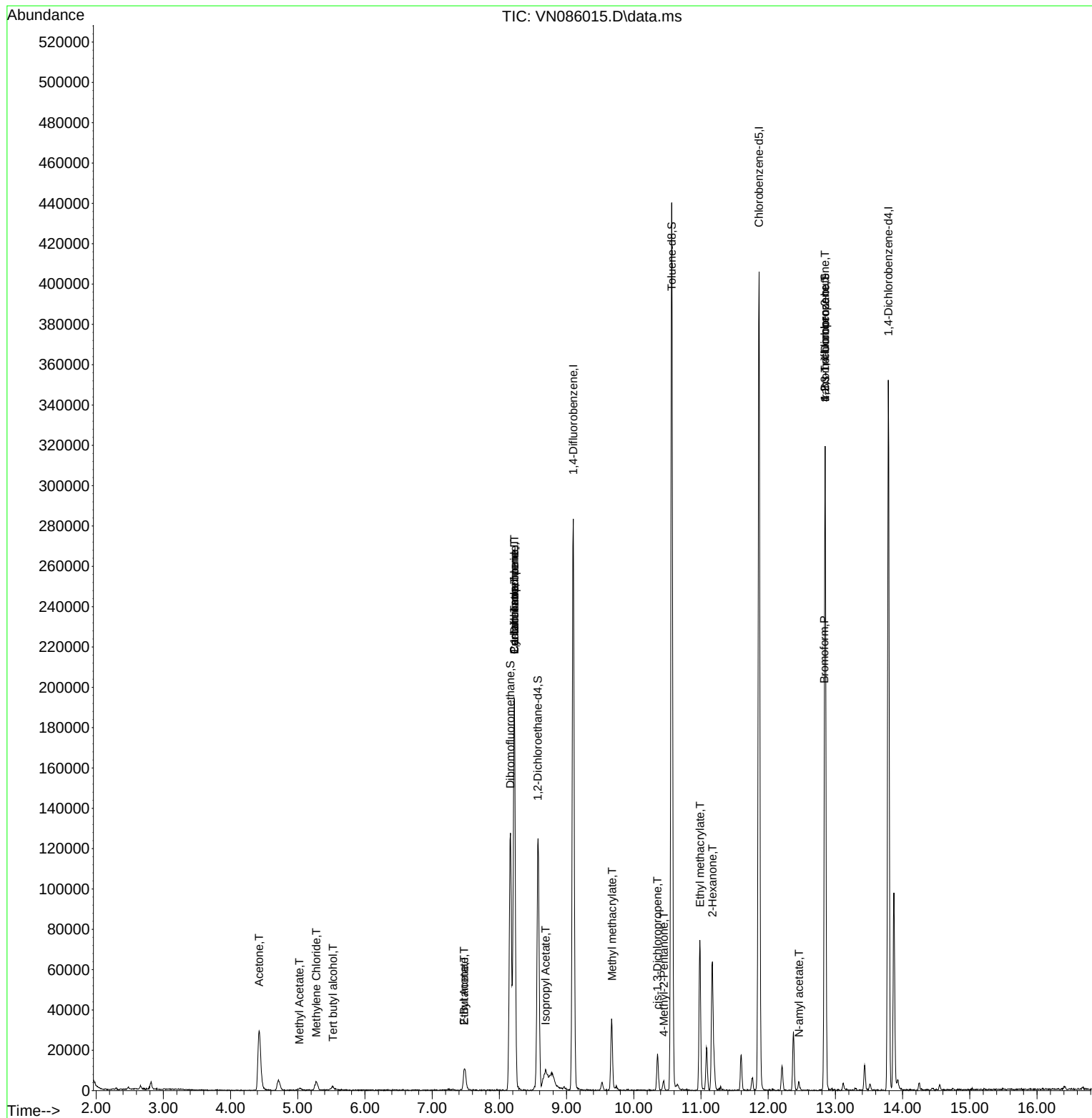
Internal Standards						
1) Pentafluorobenzene	8.224	168	138102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	247272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	236701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	106762	56.455	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	112.920%	
35) Dibromofluoromethane	8.165	113	89145	51.650	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	103.300%	
50) Toluene-d8	10.565	98	305760	48.813	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	97.620%	
62) 4-Bromofluorobenzene	12.847	95	109480	49.008	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	98.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	3625	13.539	ug/l #	73
16) Acetone	4.424	43	55727	96.456	ug/l	98
18) Methyl Acetate	5.024	43	1267	0.886	ug/l #	74
20) Methylene Chloride	5.277	84	3347	1.980	ug/l #	82
25) 2-Butanone	7.477	43	18472	22.158	ug/l	92
31) Cyclohexane	8.224	56	2832	1.202	ug/l #	6
36) 1,1-Dichloropropene	8.224	75	11054	4.864	ug/l #	50
37) Ethyl Acetate	7.477	43	18472	9.635	ug/l #	64
38) Carbon Tetrachloride	8.224	117	14949	5.003	ug/l #	15
43) Isopropyl Acetate	8.688	43	14354	3.455	ug/l #	60
48) Methyl methacrylate	9.677	41	1252	0.913	ug/l #	23
51) 4-Methyl-2-Pentanone	10.447	43	3244	1.770	ug/l	87
54) cis-1,3-Dichloropropene	10.353	75	2953	1.081	ug/l #	73
56) Ethyl methacrylate	10.988	69	797	0.566	ug/l #	1
59) 2-Hexanone	11.171	43	52351	39.220	ug/l #	18
71) Bromoform	12.835	173	743	0.441	ug/l #	1
74) N-amyl acetate	12.459	43	2654	1.152	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	55924	24.763	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55924	65.470	ug/l #	16

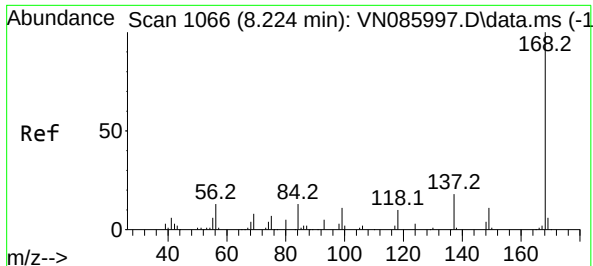
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
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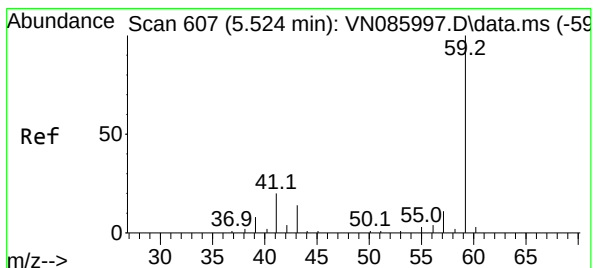
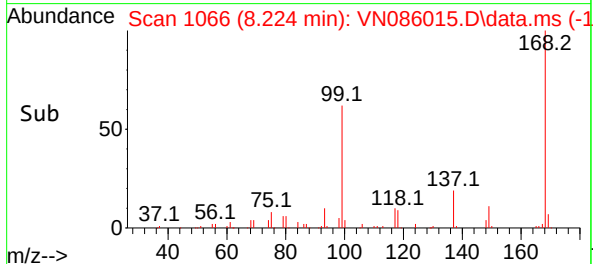
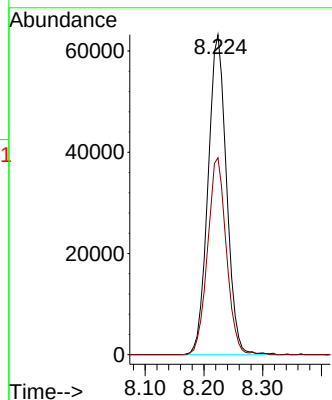
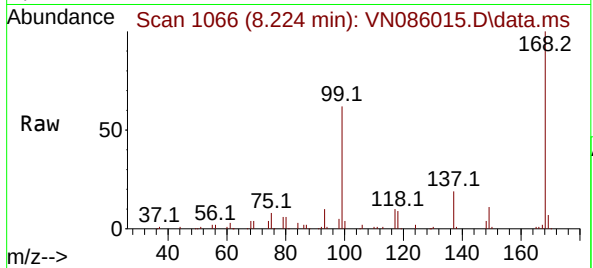




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

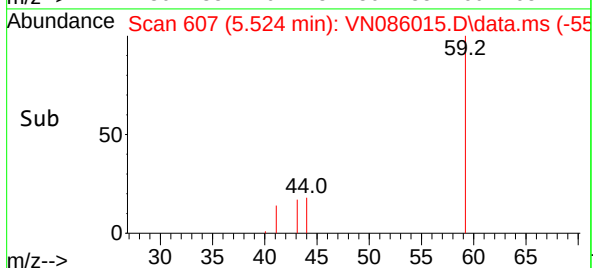
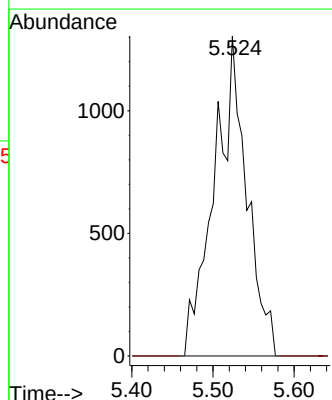
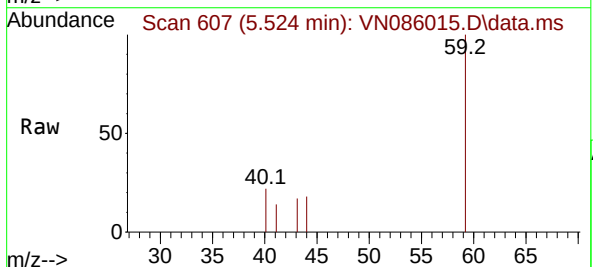
Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-COMP

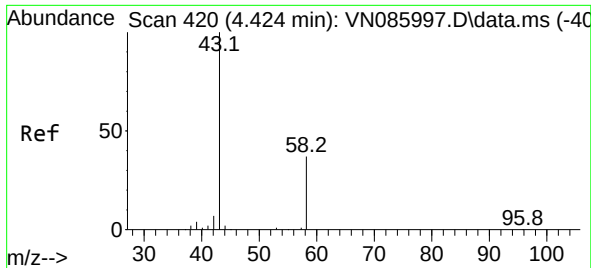
Tgt Ion:168 Resp: 138102
Ion Ratio Lower Upper
168 100
99 61.6 49.4 74.2



#11
Tert butyl alcohol
Concen: 13.539 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

Tgt Ion: 59 Resp: 3625
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

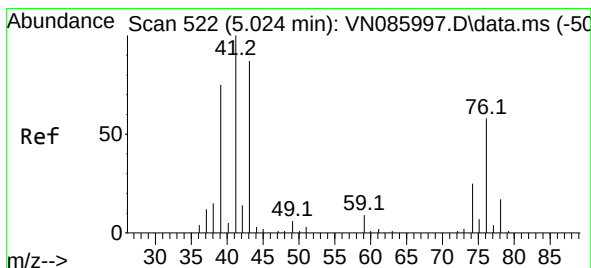
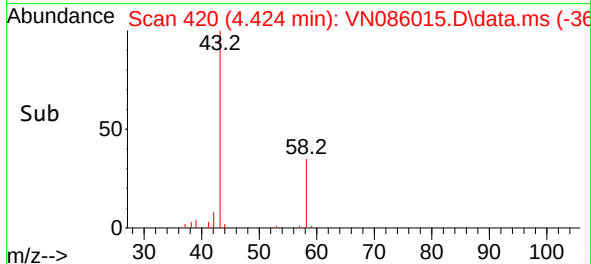
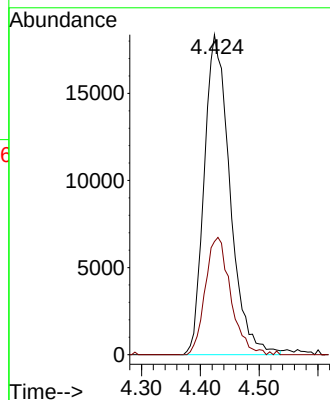
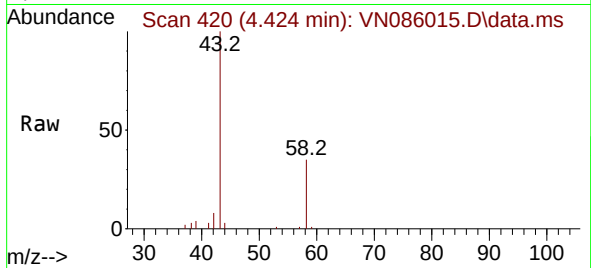




#16
Acetone
Concen: 96.456 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

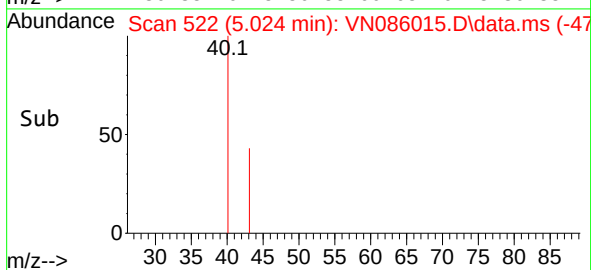
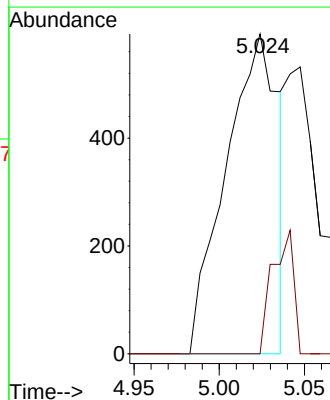
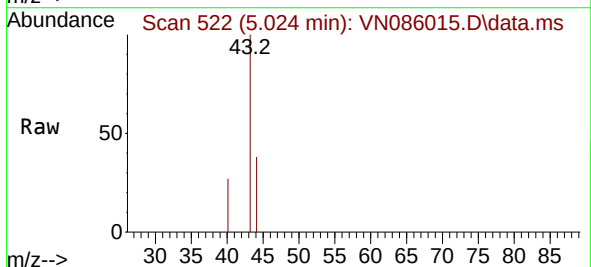
Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-COMP

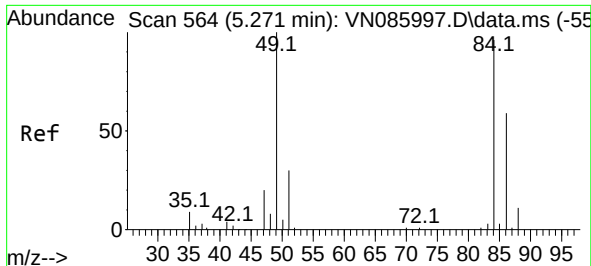
Tgt Ion: 43 Resp: 55727
Ion Ratio Lower Upper
43 100
58 35.4 29.4 44.2



#18
Methyl Acetate
Concen: 0.886 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

Tgt Ion: 43 Resp: 1267
Ion Ratio Lower Upper
43 100
74 15.6 23.9 35.9#

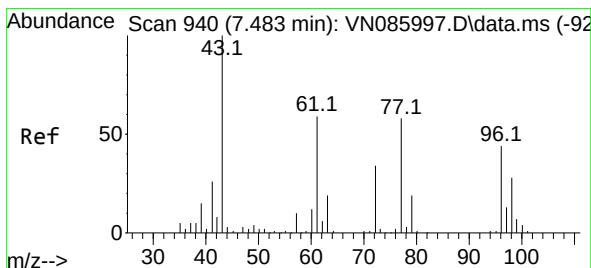
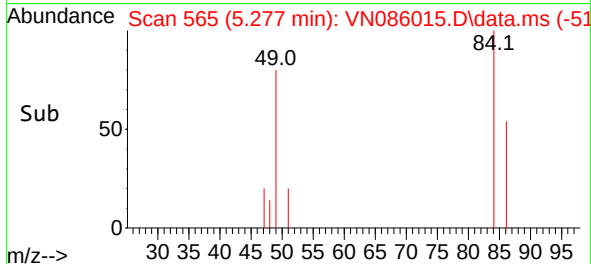
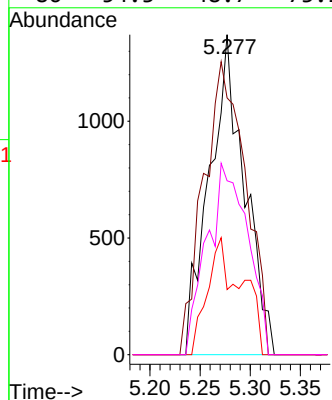
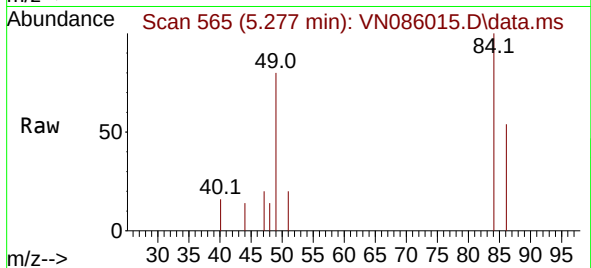




#20
Methylene Chloride
Concen: 1.980 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

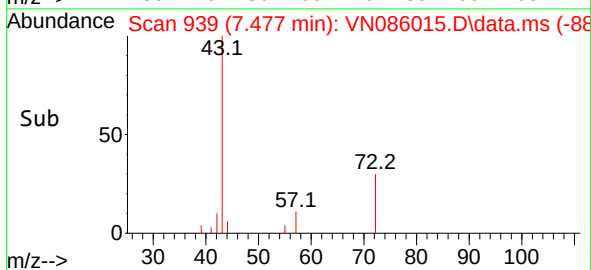
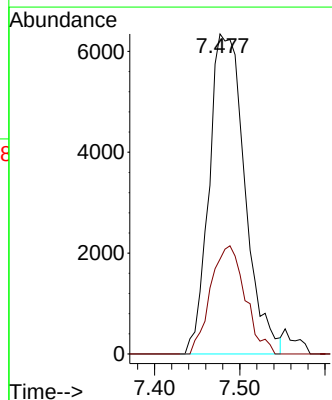
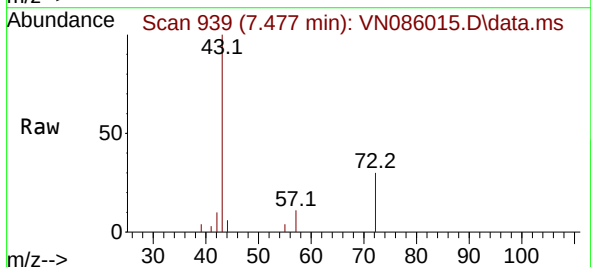
Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-COMP

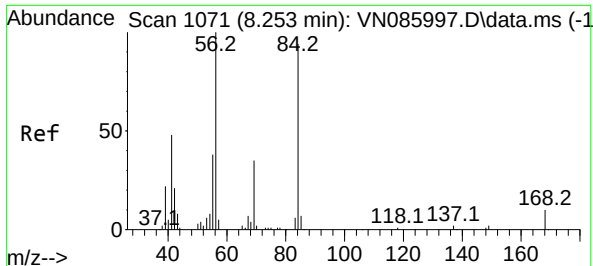
Tgt Ion: 84	Resp: 3347
Ion Ratio	Lower Upper
84 100	
49 80.2	83.3 124.9#
51 20.4	24.8 37.2#
86 54.3	48.7 73.1



#25
2-Butanone
Concen: 22.158 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

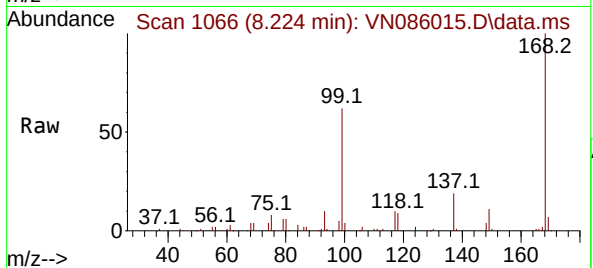
Tgt Ion: 43	Resp: 18472		
Ion Ratio	Lower	Upper	
43	100		
72	29.7	27.4	41.0



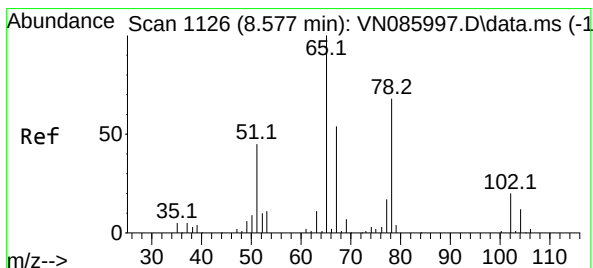
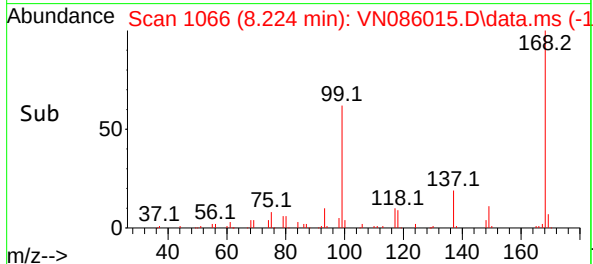
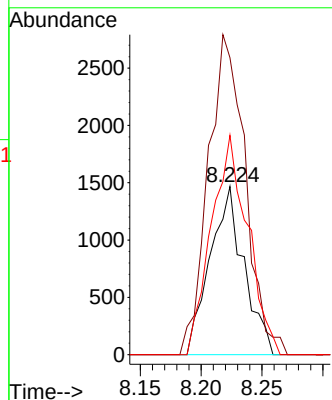


#31
Cyclohexane
Concen: 1.202 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-COMP

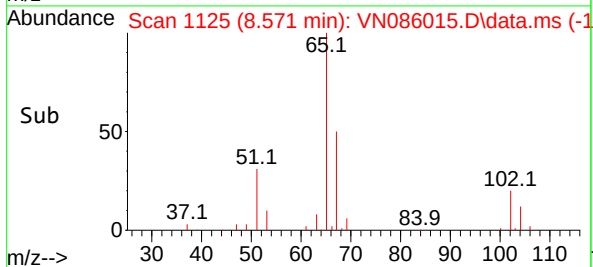
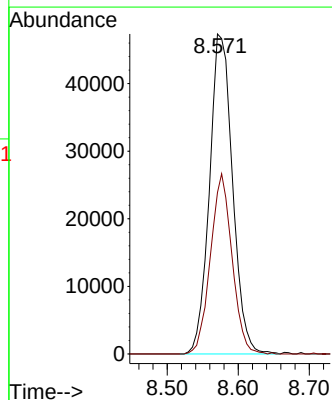
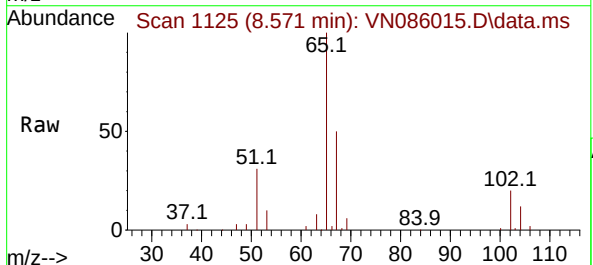


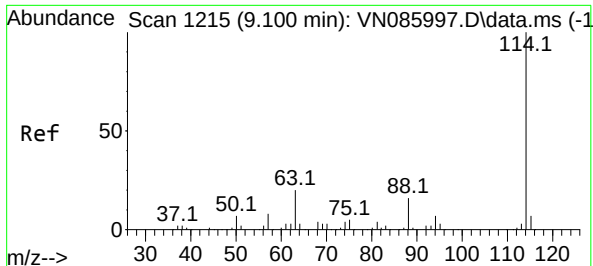
Tgt Ion: 56 Resp: 2832
Ion Ratio Lower Upper
56 100
69 176.6 28.0 42.0#
84 130.5 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 56.455 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

Tgt Ion: 65 Resp: 106762
Ion Ratio Lower Upper
65 100
67 52.7 0.0 102.2

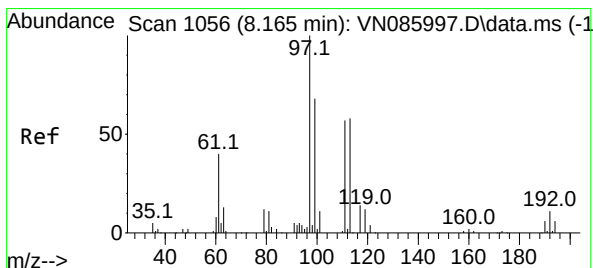
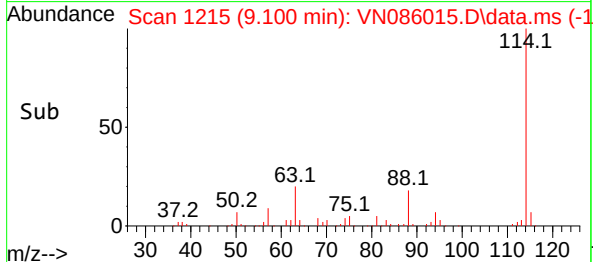
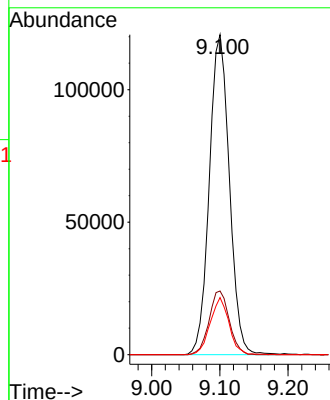
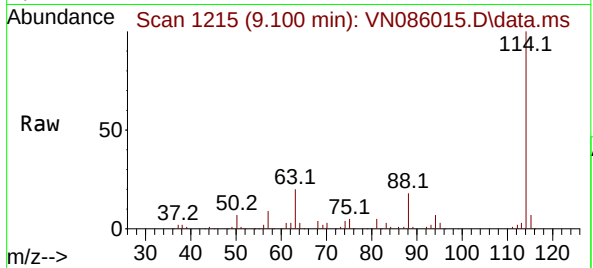




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

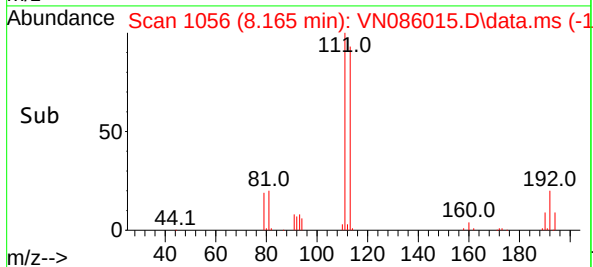
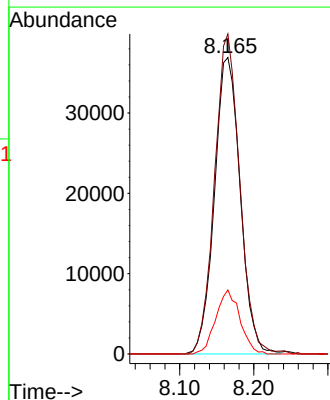
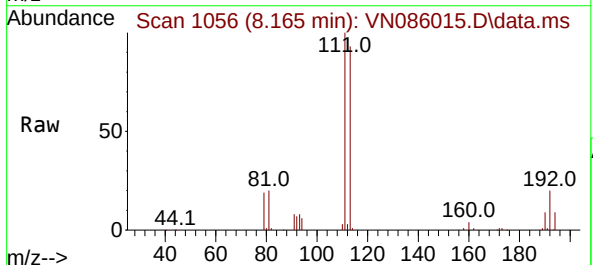
Instrument :
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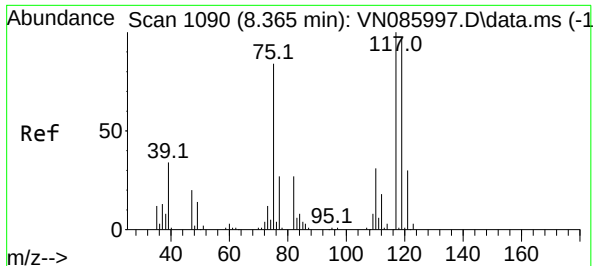
Tgt Ion:114 Resp: 247272
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.6
88 17.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.650 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

Tgt Ion:113 Resp: 89145
Ion Ratio Lower Upper
113 100
111 105.5 81.8 122.8
192 20.2 15.9 23.9

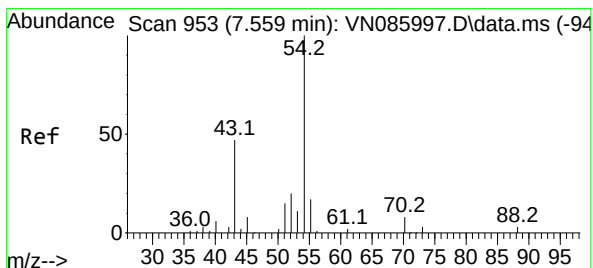
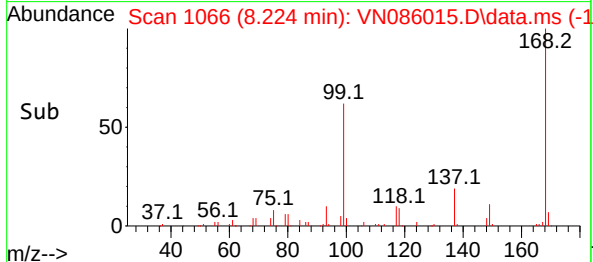
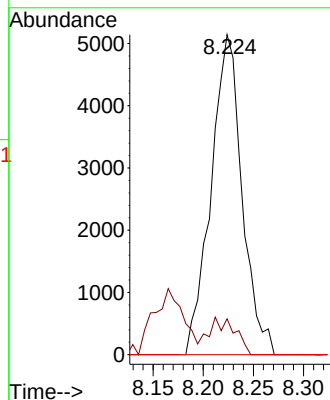
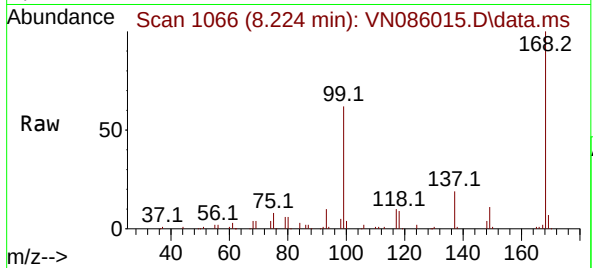




#36
1,1-Dichloropropene
Concen: 4.864 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

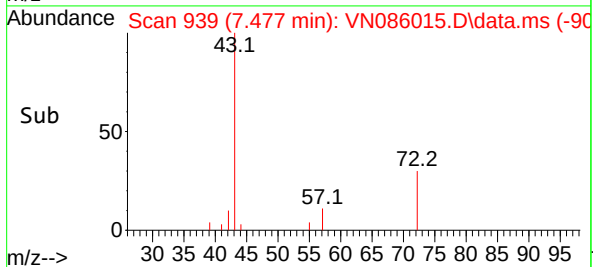
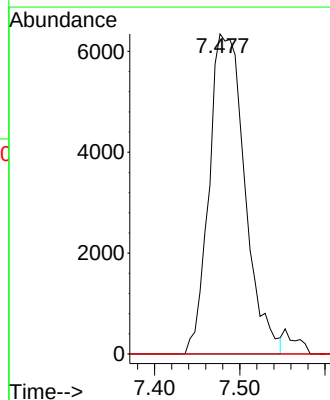
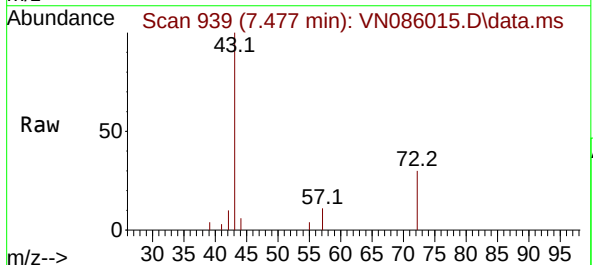
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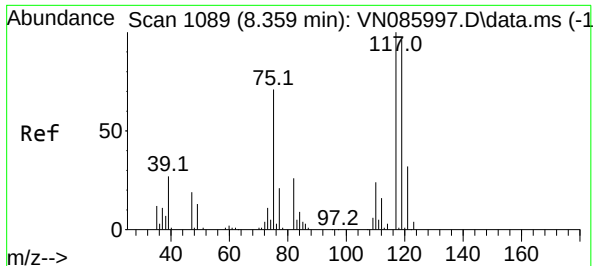
Tgt Ion: 75 Resp: 11054
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 9.635 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.082 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

Tgt Ion: 43 Resp: 18472
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#

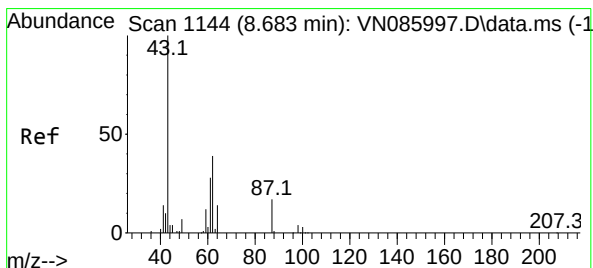
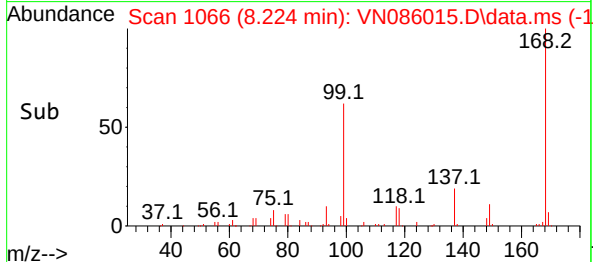
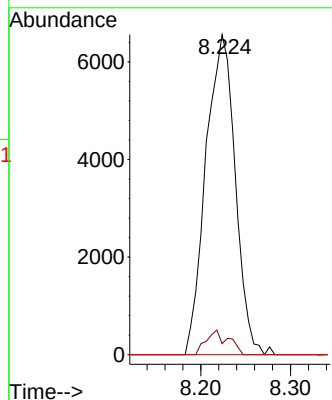
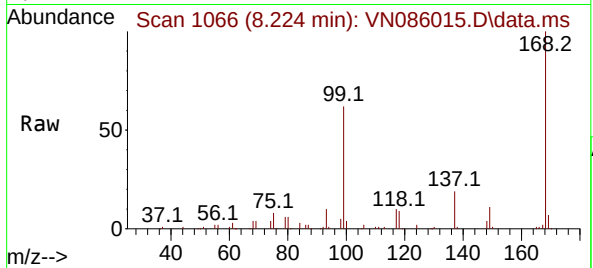




#38
Carbon Tetrachloride
Concen: 5.003 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

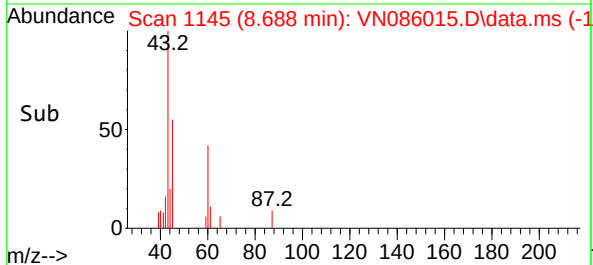
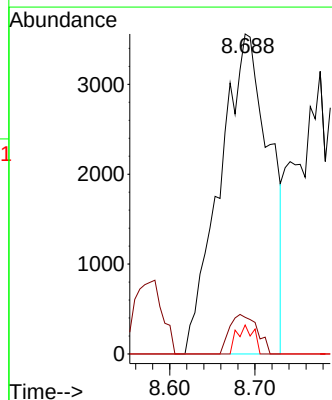
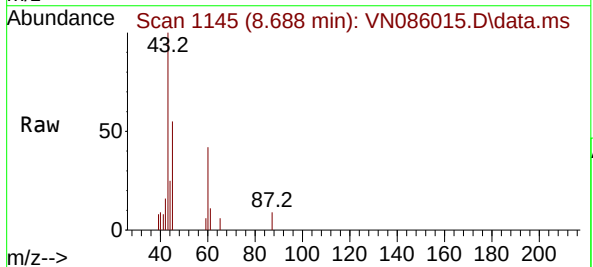
Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-COMP

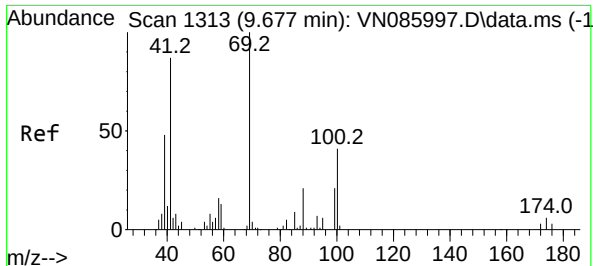
Tgt Ion:117 Resp: 14949
Ion Ratio Lower Upper
117 100
119 3.5 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 3.455 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

Tgt Ion: 43 Resp: 14354
Ion Ratio Lower Upper
43 100
61 6.9 25.0 37.6#
87 3.1 13.0 19.4#

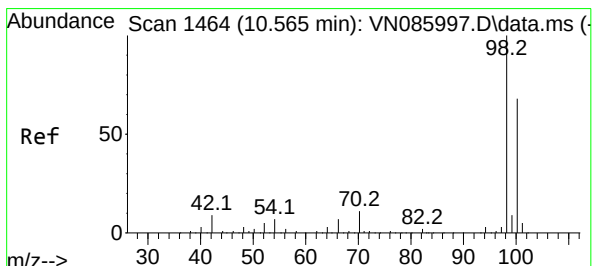
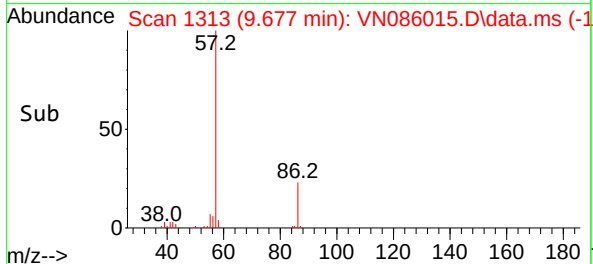
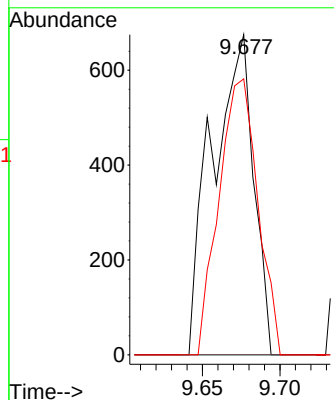
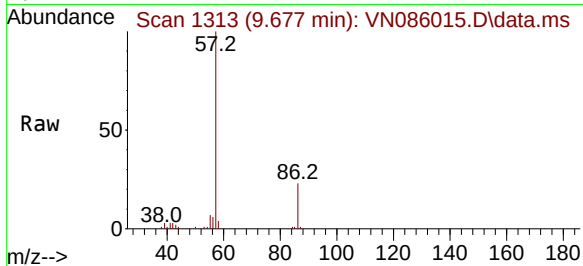




#48
Methyl methacrylate
Concen: 0.913 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

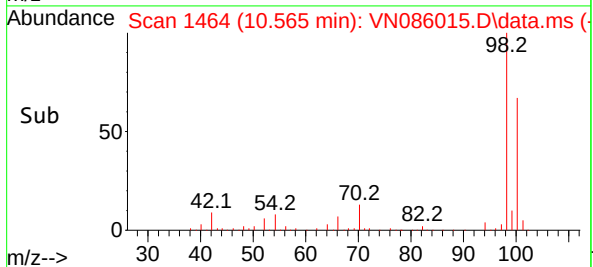
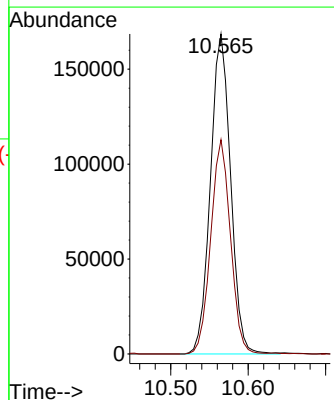
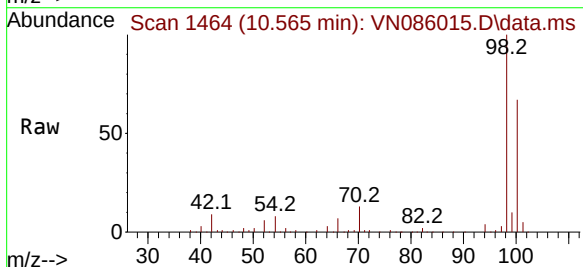
Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-COMP

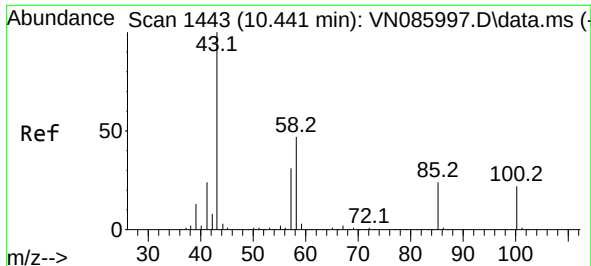
Tgt Ion: 41 Resp: 1252
Ion Ratio Lower Upper
41 100
69 0.0 83.1 124.7#
39 81.0 45.6 68.4#



#50
Toluene-d8
Concen: 48.813 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

Tgt Ion: 98 Resp: 305760
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 1.770 ug/l

RT: 10.447 min Scan# 1443

Delta R.T. 0.006 min

Lab File: VN086015.D

Acq: 19 Mar 2025 17:39

Instrument :

MSVOA_N

ClientSampleId :

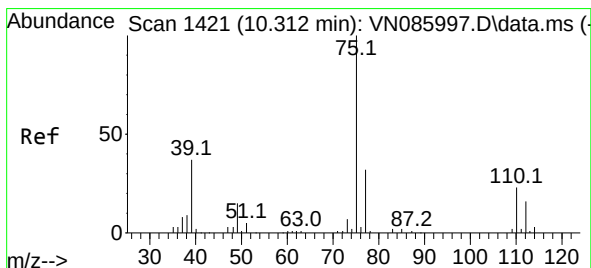
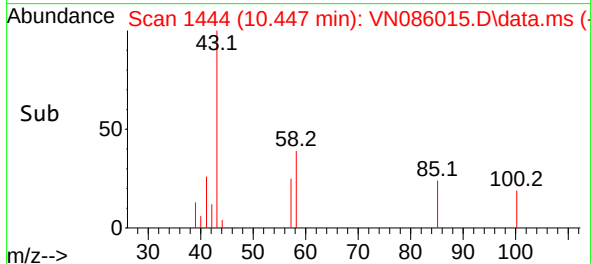
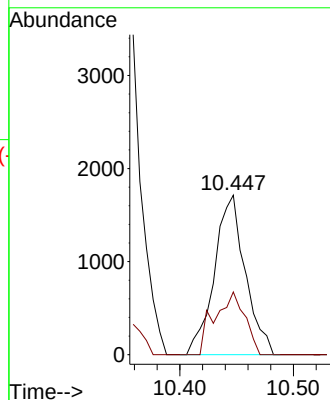
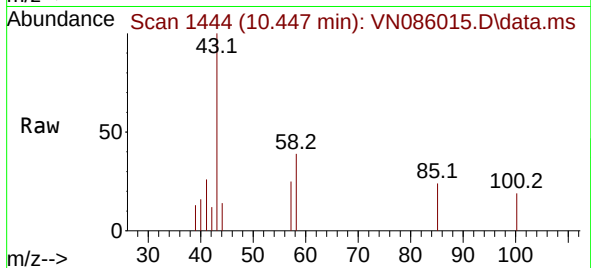
OILY-DEBRIS-COMP

Tgt Ion: 43 Resp: 3244

Ion Ratio Lower Upper

43 100

58 38.3 37.4 56.0



#54

cis-1,3-Dichloropropene

Concen: 1.081 ug/l

RT: 10.353 min Scan# 1428

Delta R.T. 0.041 min

Lab File: VN086015.D

Acq: 19 Mar 2025 17:39

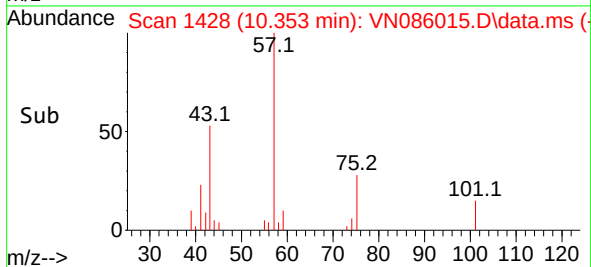
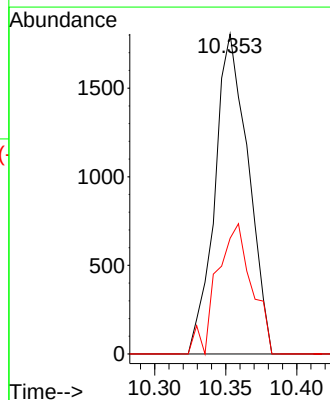
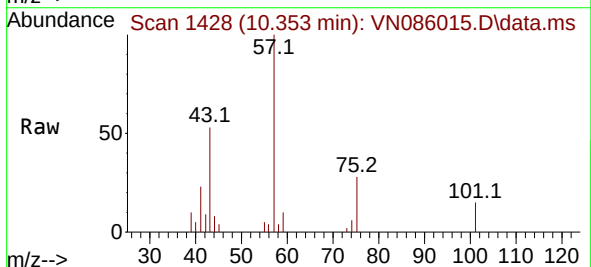
Tgt Ion: 75 Resp: 2953

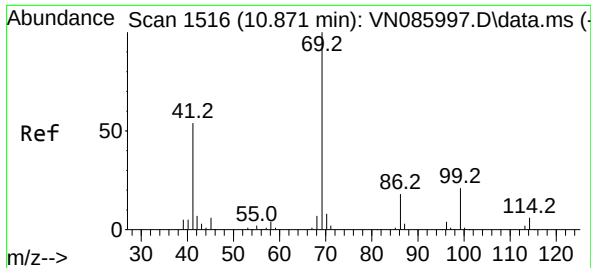
Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 36.2 29.6 44.4

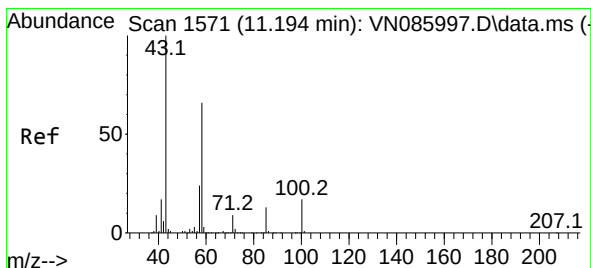
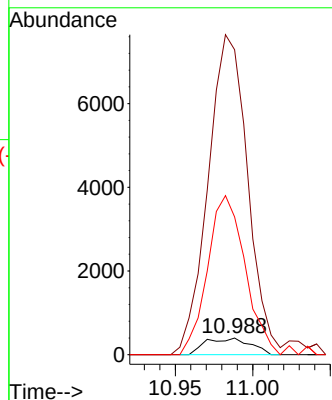
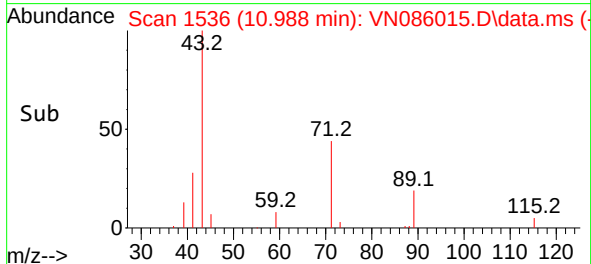
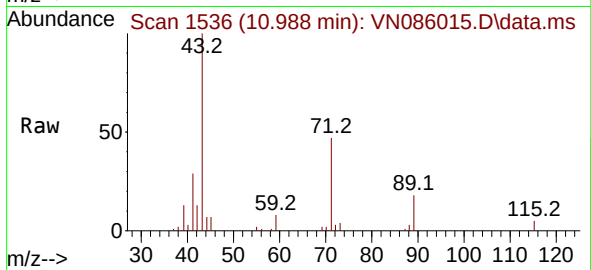




#56
Ethyl methacrylate
Concen: 0.566 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

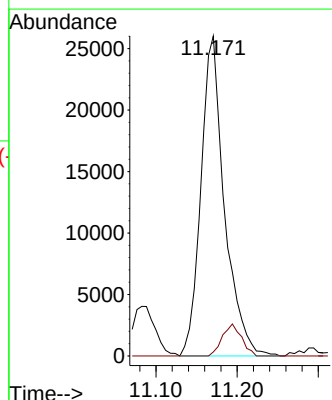
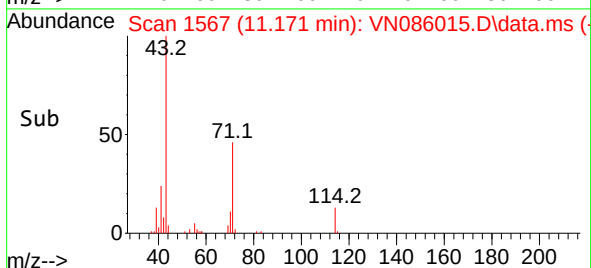
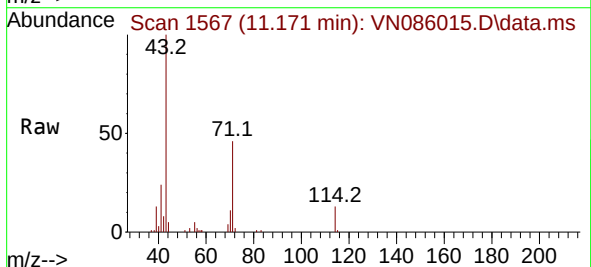
Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-COMP

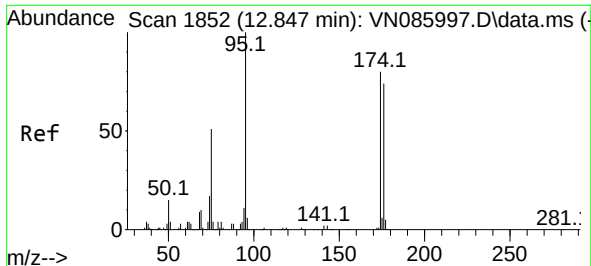
Tgt Ion: 69 Resp: 797
Ion Ratio Lower Upper
69 100
41 1747.7 41.6 62.4#
39 803.5 21.8 32.8#



#59
2-Hexanone
Concen: 39.220 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

Tgt Ion: 43 Resp: 52351
Ion Ratio Lower Upper
43 100
58 0.0 32.4 97.2#

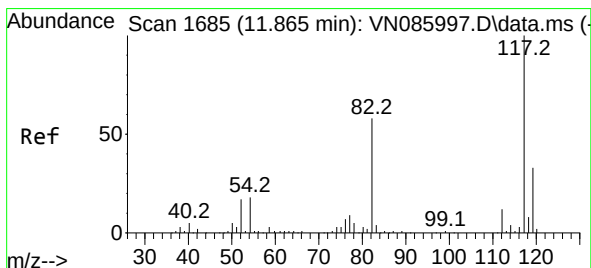
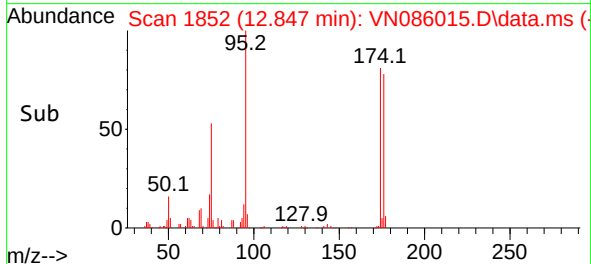
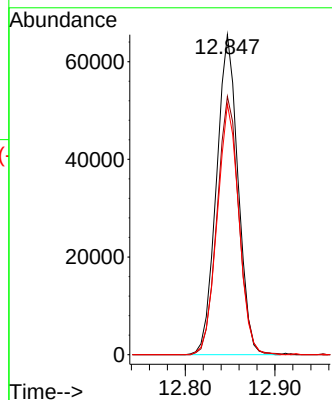
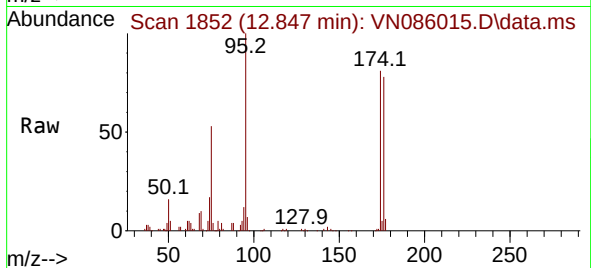




#62
4-Bromofluorobenzene
Concen: 49.008 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

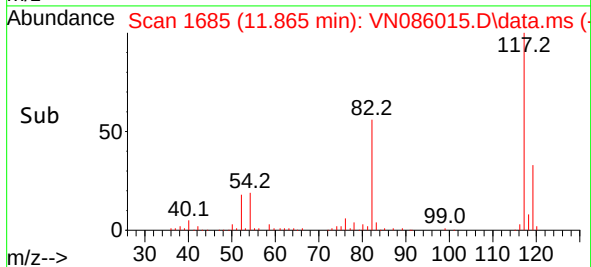
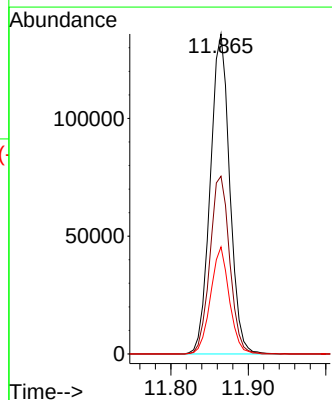
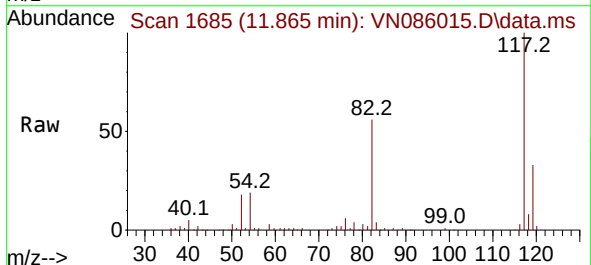
Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-COMP

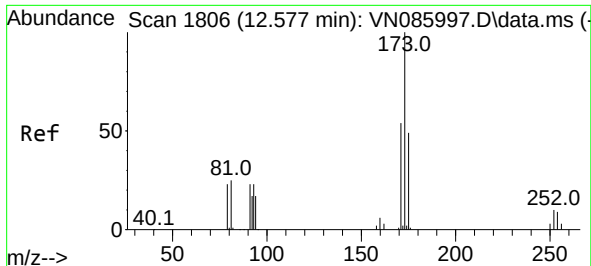
Tgt Ion: 95 Resp: 109480
Ion Ratio Lower Upper
95 100
174 81.4 0.0 156.8
176 78.6 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

Tgt Ion: 117 Resp: 236701
Ion Ratio Lower Upper
117 100
82 55.5 46.7 70.1
119 33.5 26.5 39.7

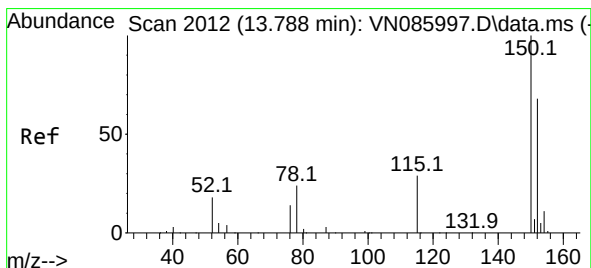
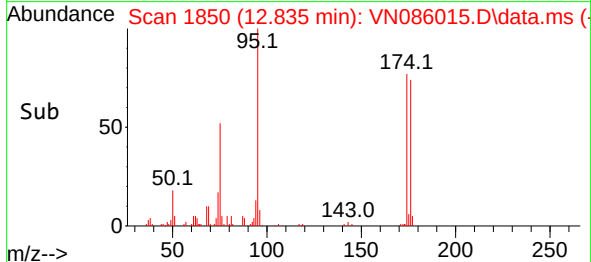
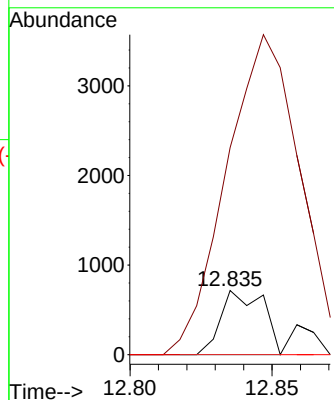
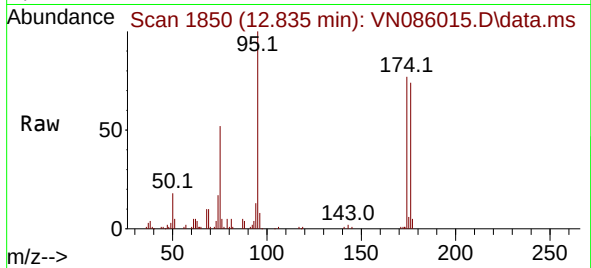




#71
Bromoform
Concen: 0.441 ug/l
RT: 12.835 min Scan# 11
Delta R.T. 0.259 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

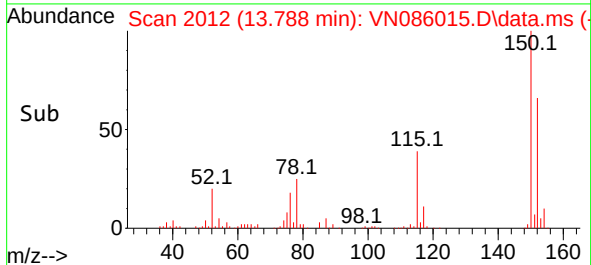
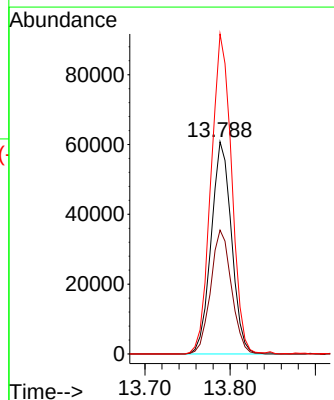
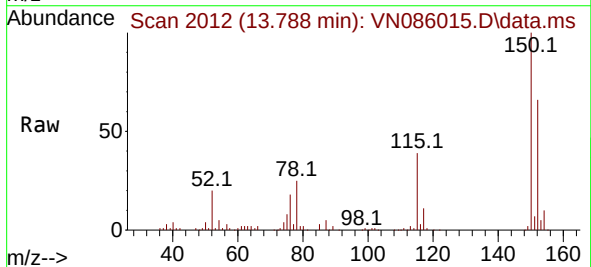
Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-COMP

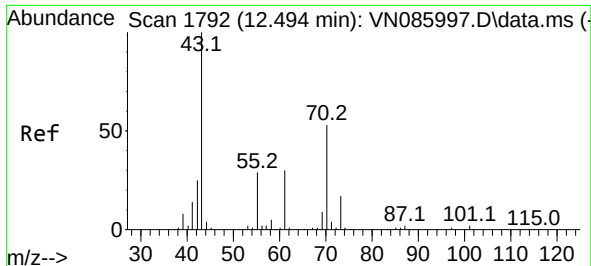
Tgt Ion:173 Resp: 743
Ion Ratio Lower Upper
173 100
175 669.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

Tgt Ion:152 Resp: 100872
Ion Ratio Lower Upper
152 100
115 59.6 31.1 93.2
150 152.7 0.0 359.6

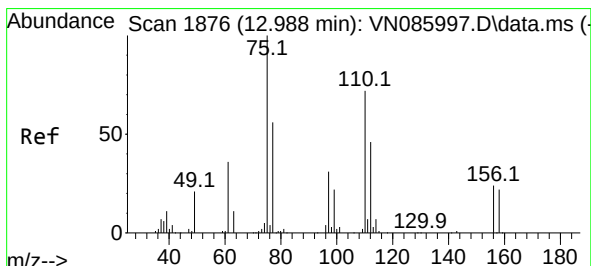
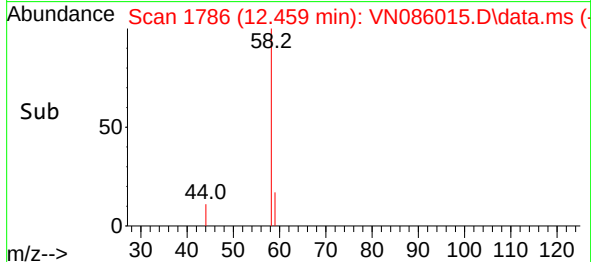
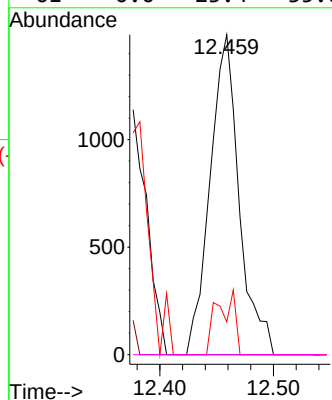
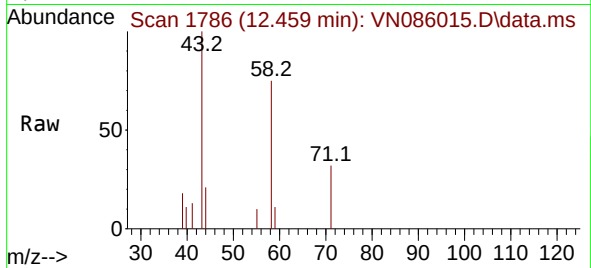




#74
N-amy1 acetate
Concen: 1.152 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

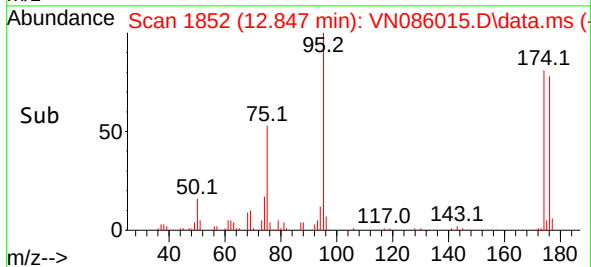
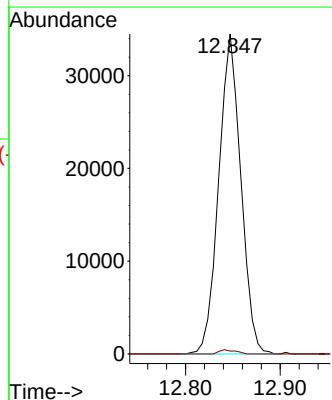
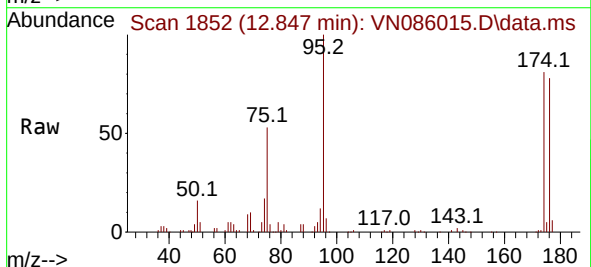
Instrument :
MSVOA_N
ClientSampleId :
OILY-DEBRIS-COMP

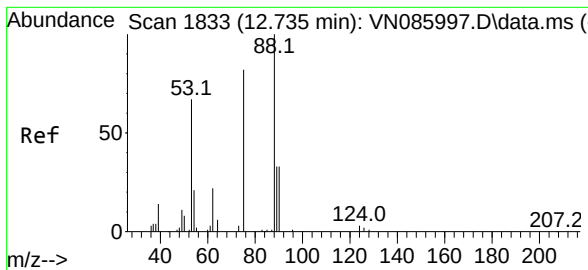
Tgt Ion:	43	Resp:	2654
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.0	64.4#
55	12.2	23.8	35.8#
61	0.0	23.4	35.0#



#76
1,2,3-Trichloropropane
Concen: 24.763 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086015.D
Acq: 19 Mar 2025 17:39

Tgt Ion:	75	Resp:	55924
Ion	Ratio	Lower	Upper
75	100		
77	1.0	83.7	251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.470 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086015.D
 Acq: 19 Mar 2025 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-DEBRIS-COMP

Tgt Ion:	75	Resp:	55924
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.0	99.0#
89	0.0	36.9	55.3#

