

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
 Data File : VN086031.D
 Acq On : 20 Mar 2025 17:57
 Operator : JC\MD
 Sample : Q1576-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW3

Quant Time: Mar 21 01:23:53 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	157894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282837	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117699	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112839	52.189	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.380%	
35) Dibromofluoromethane	8.159	113	95712	48.482	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.960%	
50) Toluene-d8	10.565	98	375430	52.399	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.800%	
62) 4-Bromofluorobenzene	12.847	95	140210	54.872	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.740%	

Target Compounds				Qvalue		
3) Chloromethane	2.359	50	373	0.203	ug/l #	42
4) Vinyl Chloride	2.512	62	677	0.361	ug/l	97
11) Tert butyl alcohol	5.512	59	2658	8.683	ug/l #	79
14) Allyl chloride	5.277	41	11491	5.694	ug/l #	57
16) Acetone	4.424	43	1039	1.573	ug/l	95
18) Methyl Acetate	5.271	43	26071	15.952	ug/l #	45
20) Methylene Chloride	5.277	84	1301	0.673	ug/l #	14
25) 2-Butanone	7.500	43	3373	3.539	ug/l #	40
27) cis-1,2-Dichloroethene	7.477	96	1189	0.592	ug/l	86
31) Cyclohexane	8.218	56	8091	3.003	ug/l #	47
36) 1,1-Dichloropropene	8.218	75	12406	4.772	ug/l #	48
37) Ethyl Acetate	7.500	43	3373	1.538	ug/l #	53
38) Carbon Tetrachloride	8.218	117	16683	4.881	ug/l #	17
39) Methylcyclohexane	9.600	83	17750	6.882	ug/l #	65
43) Isopropyl Acetate	8.759	43	237448	49.966	ug/l #	50
46) Dibromomethane	9.582	93	379	0.260	ug/l #	1
47) Bromodichloromethane	9.876	83	1479	0.485	ug/l #	26
48) Methyl methacrylate	9.641	41	22538	14.372	ug/l #	37
51) 4-Methyl-2-Pentanone	10.488	43	14014	6.687	ug/l #	81
52) Toluene	10.623	92	1400	0.280	ug/l	78
55) 1,1,2-Trichloroethane	11.000	97	8045	4.209	ug/l #	37
56) Ethyl methacrylate	10.847	69	273	0.301	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.141	63	2494	6.118	ug/l #	43
59) 2-Hexanone	11.241	43	27171	17.796	ug/l	91
68) m/p-Xylenes	12.065	106	1440	0.369	ug/l #	71
71) Bromoform	12.841	173	899	0.466	ug/l #	1
73) Isopropylbenzene	12.694	105	8915	1.109	ug/l	98
74) N-amyl acetate	12.465	43	2145	0.798	ug/l #	40
76) 1,2,3-Trichloropropane	12.847	75	70380	26.709	ug/l #	1
78) n-propylbenzene	13.035	91	24449	2.686	ug/l	98
79) 2-Chlorotoluene	13.035	91	24449	4.044	ug/l #	42
81) trans-1,4-Dichloro-2-b...	12.847	75	70380	70.614	ug/l #	16
83) tert-Butylbenzene	13.670	119	1457	0.251	ug/l	91
84) 1,2,4-Trimethylbenzene	13.476	105	2551	0.373	ug/l	86
85) sec-Butylbenzene	13.611	105	3291	0.435	ug/l #	56
86) p-Isopropyltoluene	13.882	119	1721	0.269	ug/l	91

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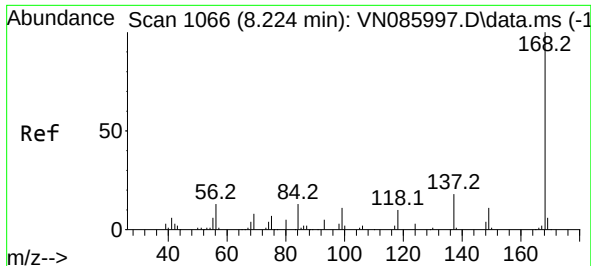
Instrument :
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

89) n-Butylbenzene	14.053	91	4681	0.897	ug/l #	62
90) Hexachloroethane	14.323	117	2988	2.020	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.400	180	483	0.239	ug/l #	23
94) Hexachlorobutadiene	15.500	225	303	0.259	ug/l #	56
95) Naphthalene	15.647	128	3117	0.533	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.835	180	435	0.227	ug/l #	74

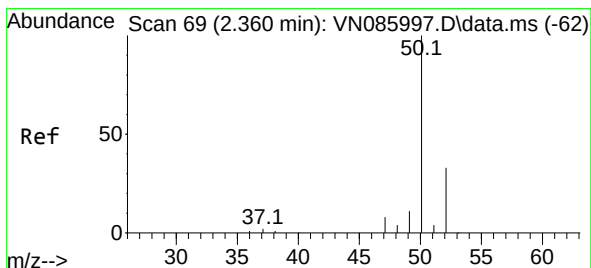
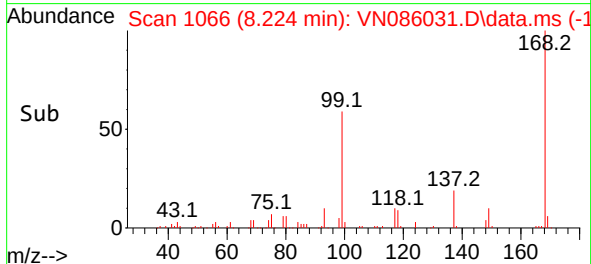
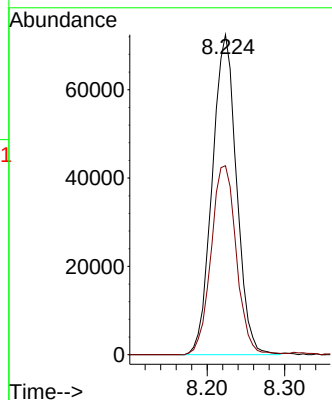
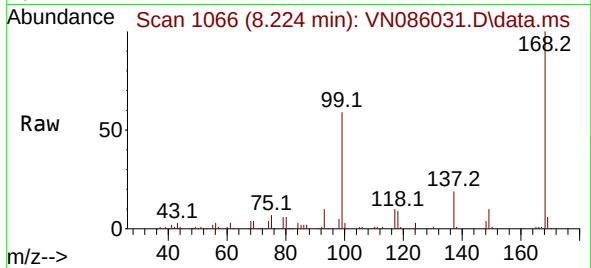
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

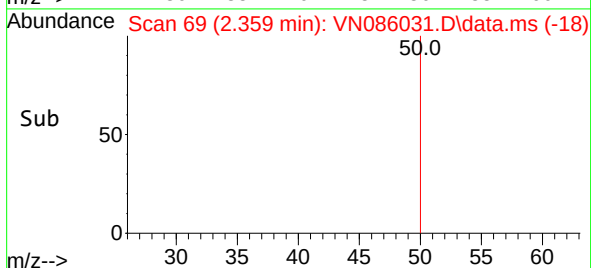
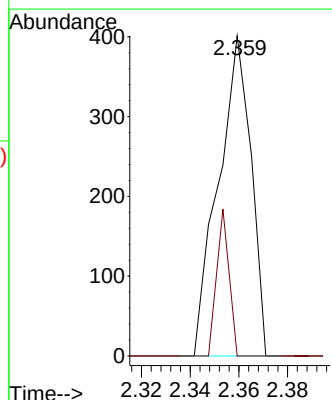
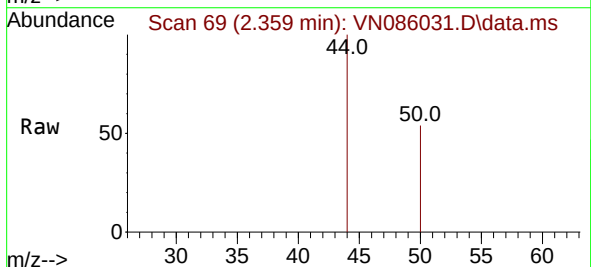
Instrument :
MSVOA_N
ClientSampleId :
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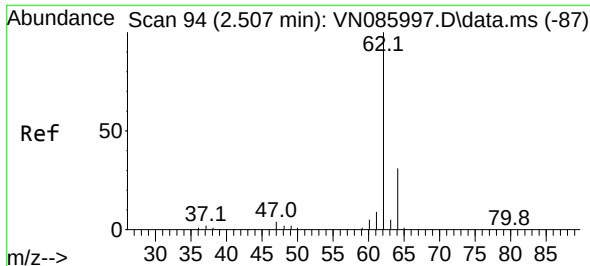
Tgt Ion:168 Resp: 157894
Ion Ratio Lower Upper
168 100
99 59.0 49.4 74.2



#3
Chloromethane
Concen: 0.203 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 50 Resp: 373
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

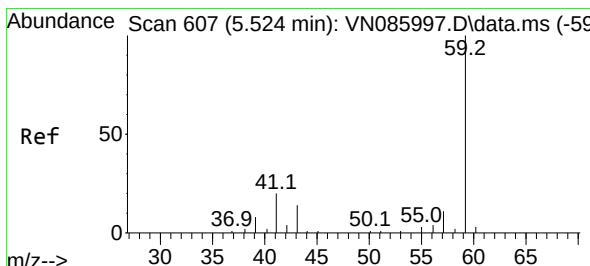
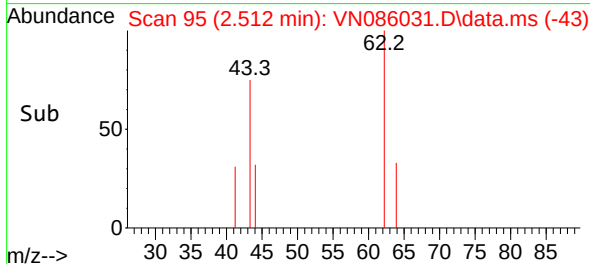
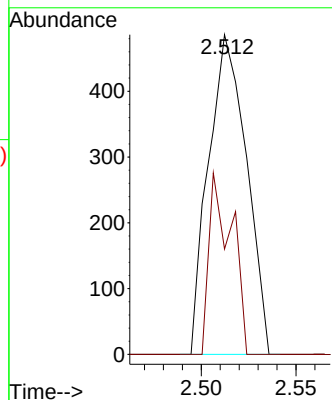
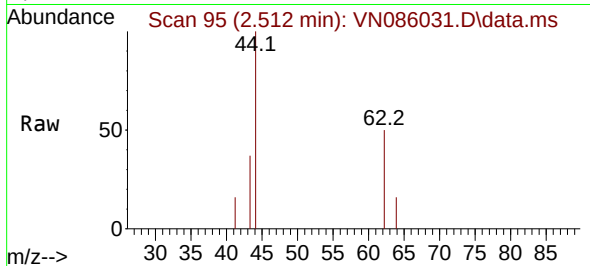




#4
 Vinyl Chloride
 Concen: 0.361 ug/l
 RT: 2.512 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN086031.D
 Acq: 20 Mar 2025 17:57

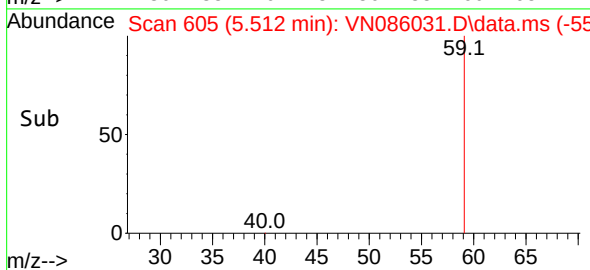
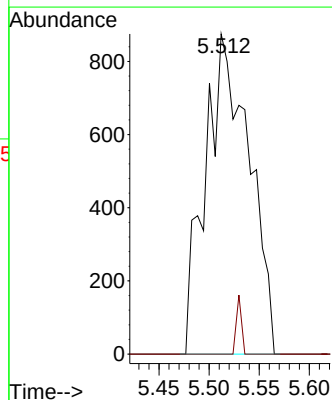
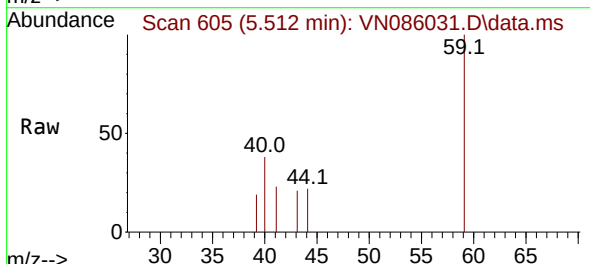
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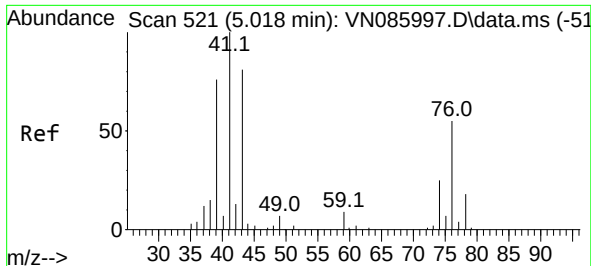
Tgt Ion: 62 Resp: 677
 Ion Ratio Lower Upper
 62 100
 64 32.9 25.2 37.8



#11
 Tert butyl alcohol
 Concen: 8.683 ug/l
 RT: 5.512 min Scan# 605
 Delta R.T. -0.012 min
 Lab File: VN086031.D
 Acq: 20 Mar 2025 17:57

Tgt Ion: 59 Resp: 2658
 Ion Ratio Lower Upper
 59 100
 57 2.1 7.9 11.9#

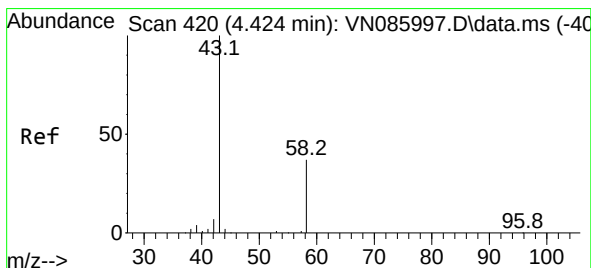
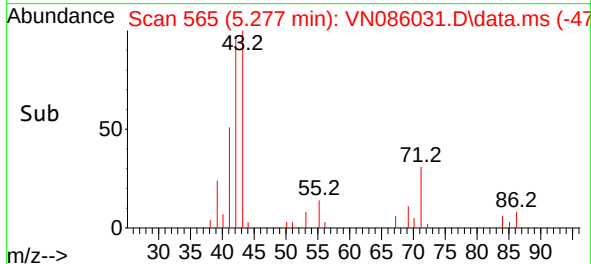
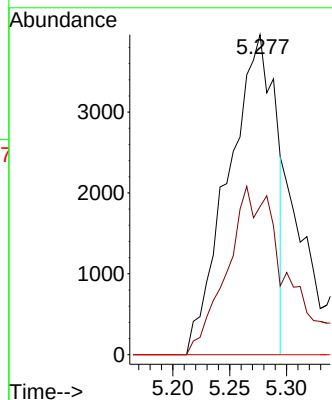
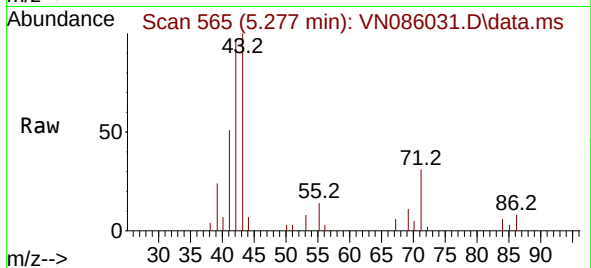




#14
 Allyl chloride
 Concen: 5.694 ug/l
 RT: 5.277 min Scan# 5
 Delta R.T. 0.259 min
 Lab File: VN086031.D
 Acq: 20 Mar 2025 17:57

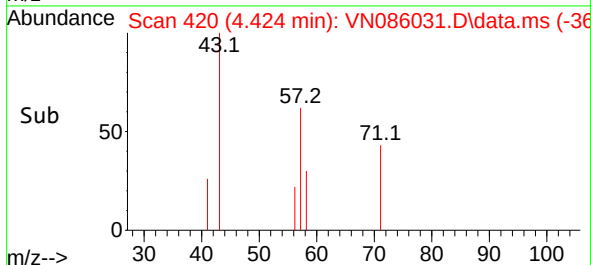
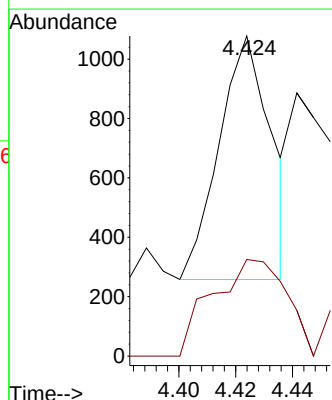
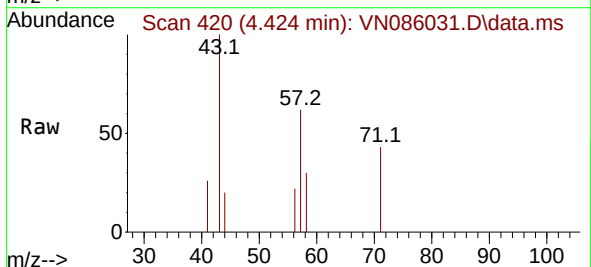
Instrument :
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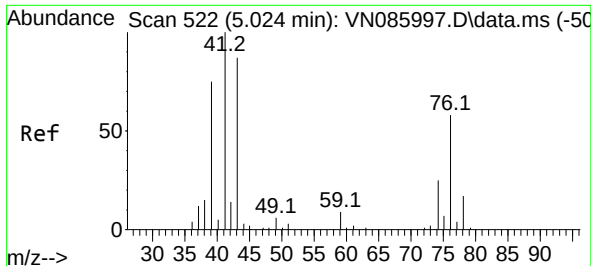
Tgt Ion: 41 Resp: 11491
 Ion Ratio Lower Upper
 41 100
 39 50.3 55.5 83.3#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 1.573 ug/l
 RT: 4.424 min Scan# 420
 Delta R.T. -0.000 min
 Lab File: VN086031.D
 Acq: 20 Mar 2025 17:57

Tgt Ion: 43 Resp: 1039
 Ion Ratio Lower Upper
 43 100
 58 39.6 29.4 44.2

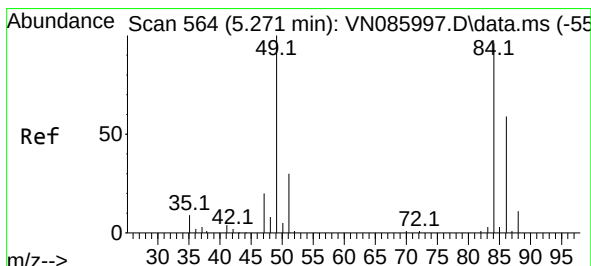
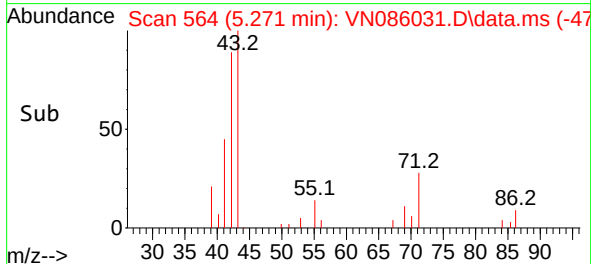
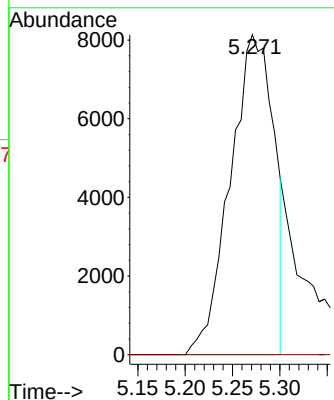
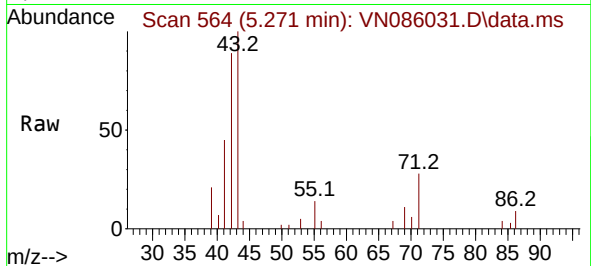




#18
Methyl Acetate
Concen: 15.952 ug/l
RT: 5.271 min Scan# 50
Delta R.T. 0.247 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

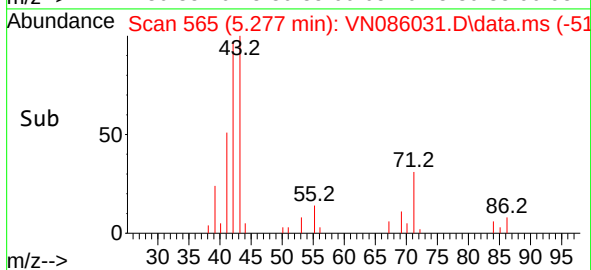
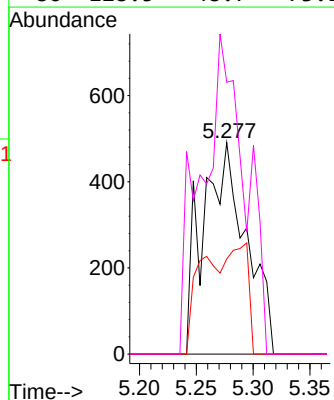
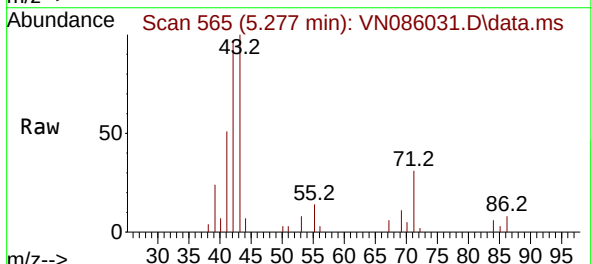
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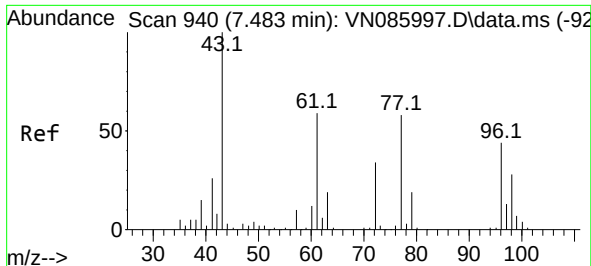
Tgt Ion: 43 Resp: 26071
Ion Ratio Lower Upper
43 100
74 0.0 23.9 35.9#



#20
Methylene Chloride
Concen: 0.673 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 84 Resp: 1301
Ion Ratio Lower Upper
84 100
49 0.0 83.3 124.9#
51 45.0 24.8 37.2#
86 128.5 48.7 73.1#

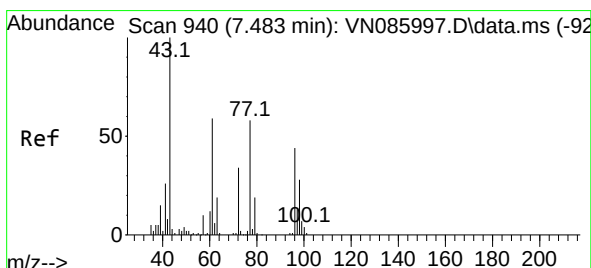
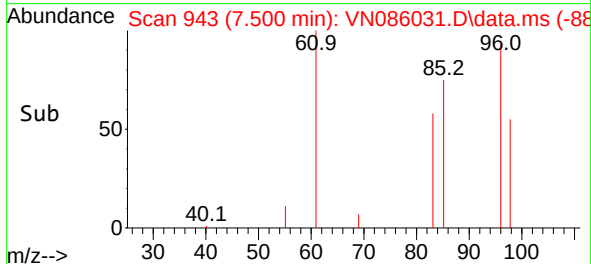
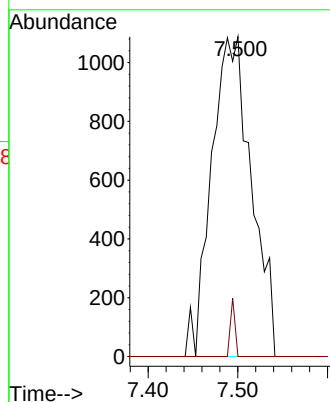
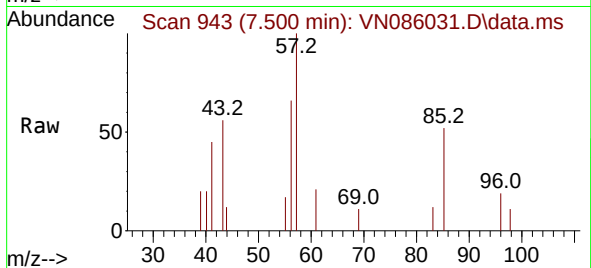




#25
2-Butanone
Concen: 3.539 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.017 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

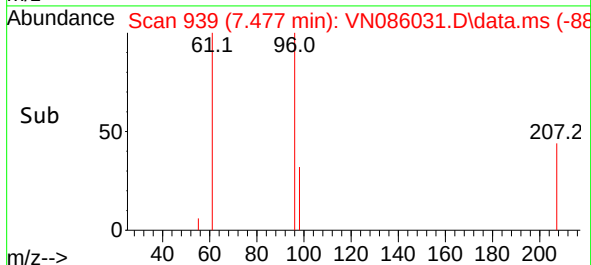
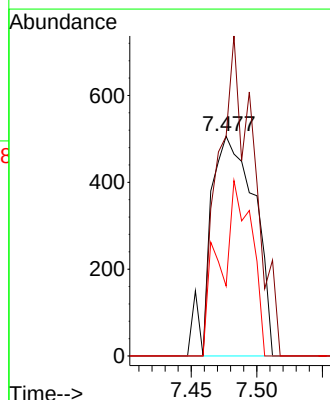
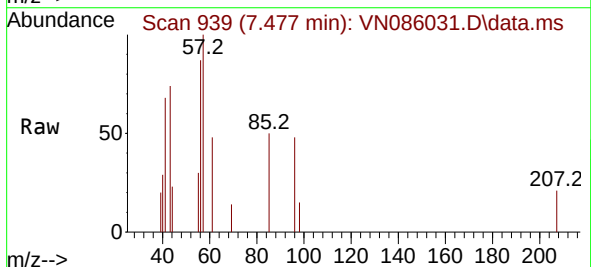
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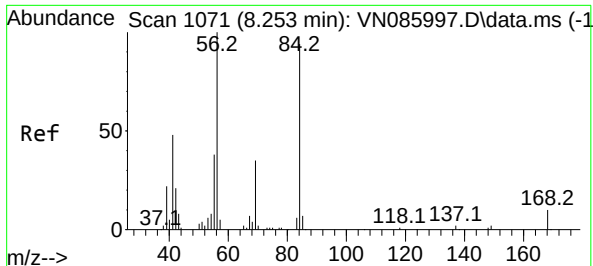
Tgt Ion: 43 Resp: 3373
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.0#



#27
cis-1,2-Dichloroethene
Concen: 0.592 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 96 Resp: 1189
Ion Ratio Lower Upper
96 100
61 115.3 0.0 272.8
98 56.6 0.0 124.8

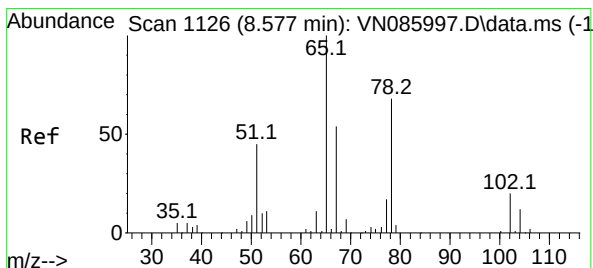
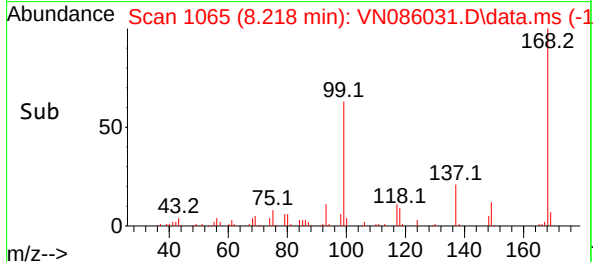
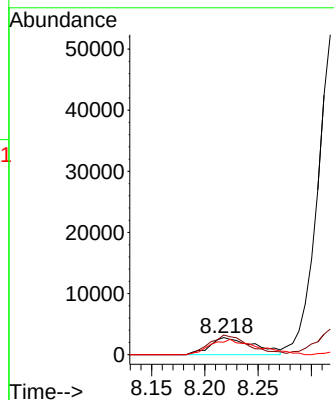
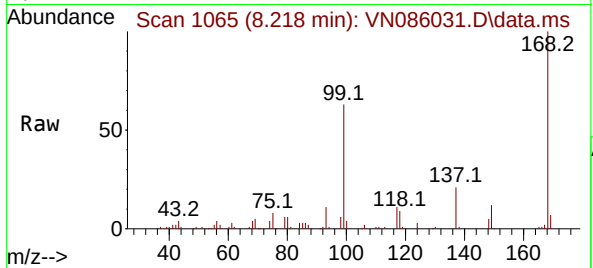




#31
Cyclohexane
Concen: 3.003 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.036 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

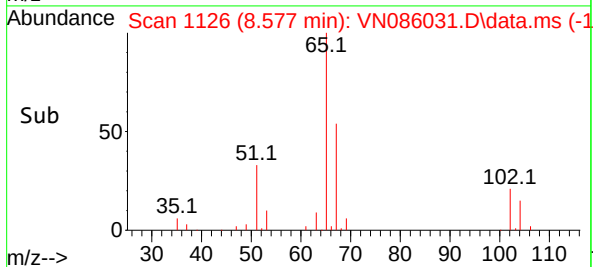
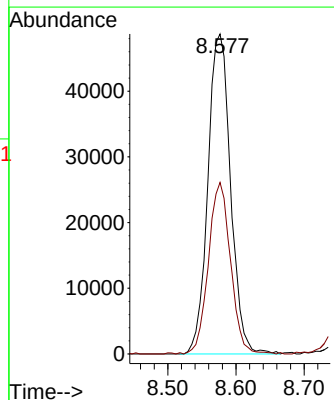
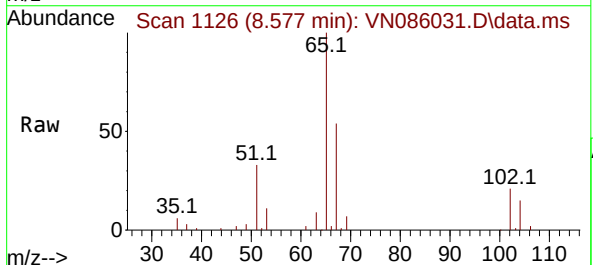
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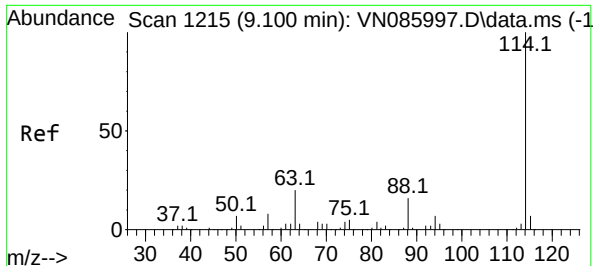
Tgt Ion: 56 Resp: 8091
Ion Ratio Lower Upper
56 100
69 115.3 28.0 42.0#
84 73.0 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 52.189 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 65 Resp: 112839
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.2

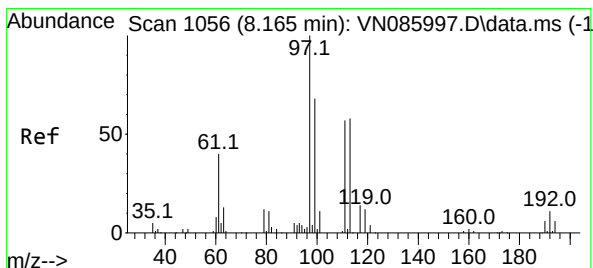
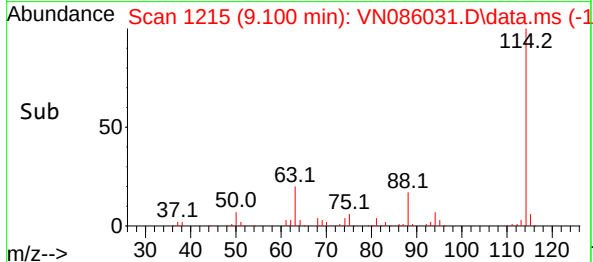
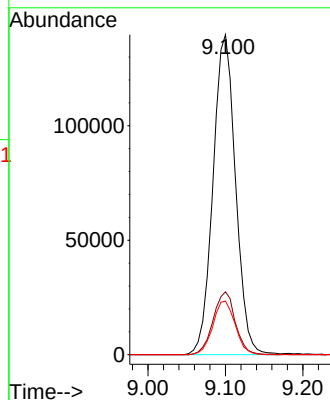
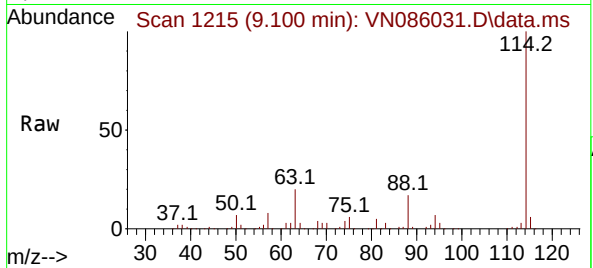




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

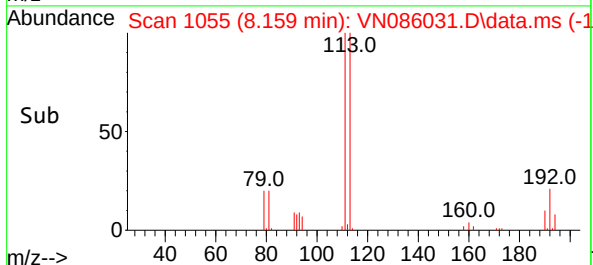
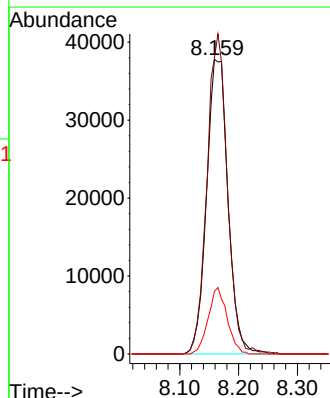
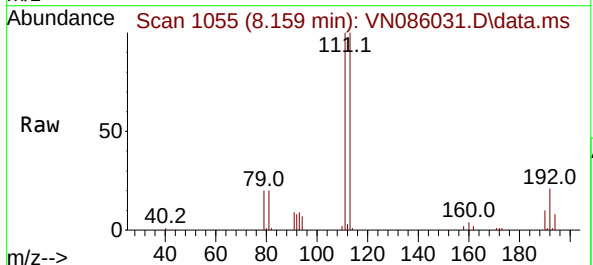
Instrument :
MSVOA_N
ClientSampleId :
MW3

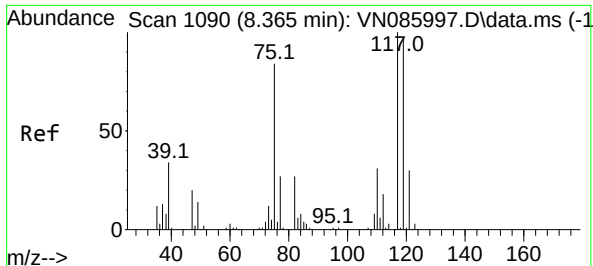
Tgt Ion:114 Resp: 282837
Ion Ratio Lower Upper
114 100
63 19.6 0.0 39.6
88 16.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.482 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:113 Resp: 95712
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 19.9 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.772 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN086031.D

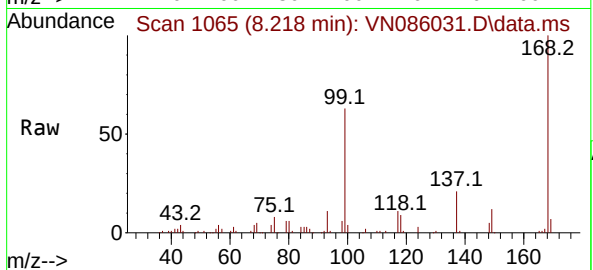
Acq: 20 Mar 2025 17:57

Instrument :

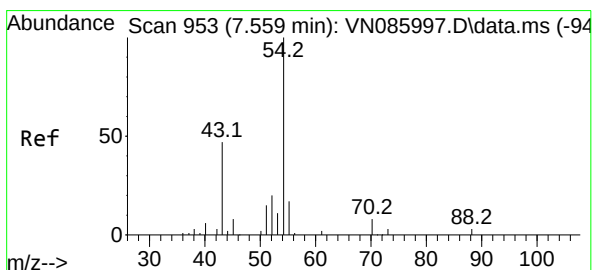
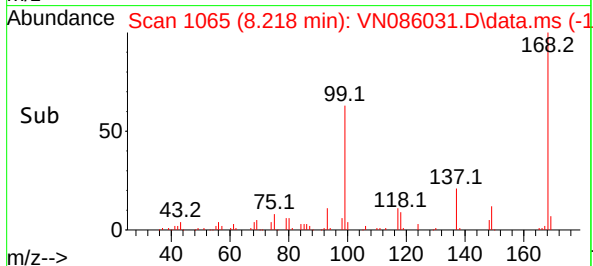
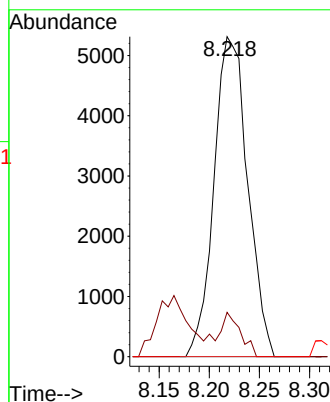
MSVOA_N

ClientSampleId :

MW3



Tgt Ion:	75	Resp:	12406
Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.8	53.3#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 1.538 ug/l

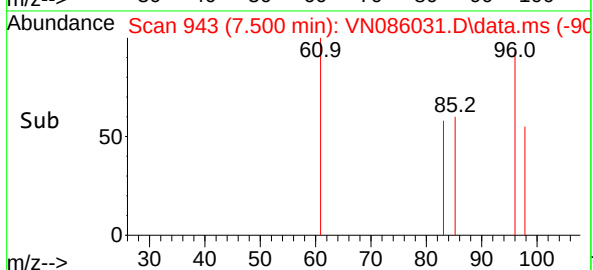
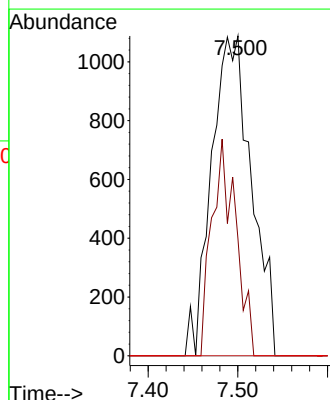
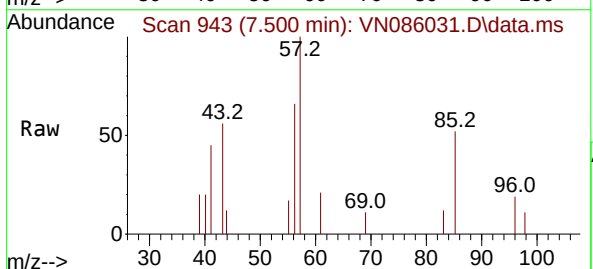
RT: 7.500 min Scan# 943

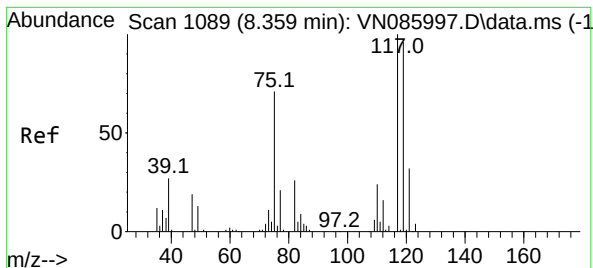
Delta R.T. -0.059 min

Lab File: VN086031.D

Acq: 20 Mar 2025 17:57

Tgt Ion:	43	Resp:	3373
Ion	Ratio	Lower	Upper
43	100		
61	40.6	13.0	19.4#
70	0.0	11.0	16.6#





#38

Carbon Tetrachloride

Concen: 4.881 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN086031.D

Acq: 20 Mar 2025 17:57

Instrument :

MSVOA_N

ClientSampleId :

MW3

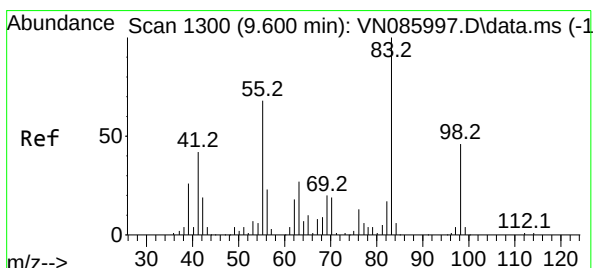
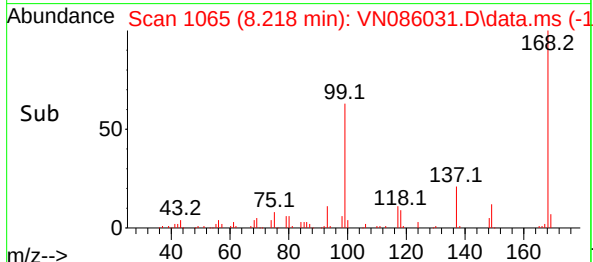
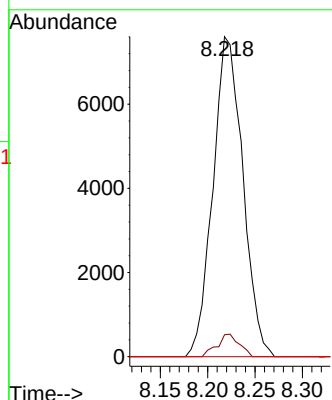
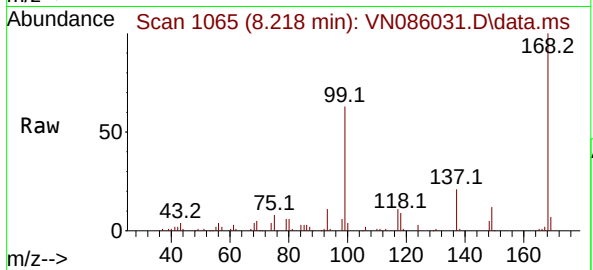
Tgt Ion:117 Resp: 16683

Ion Ratio Lower Upper

117 100

119 6.9 77.0 115.4#

121 0.0 25.6 38.4#



#39

Methylcyclohexane

Concen: 6.882 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN086031.D

Acq: 20 Mar 2025 17:57

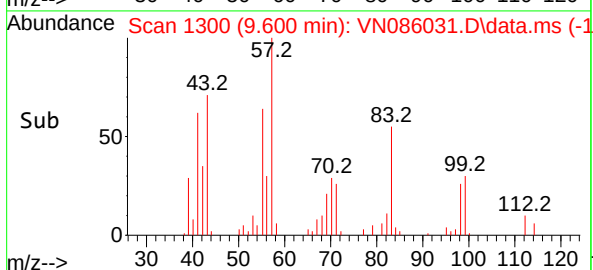
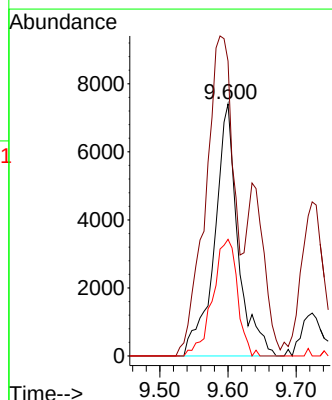
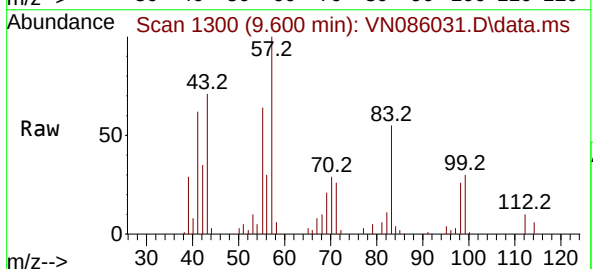
Tgt Ion: 83 Resp: 17750

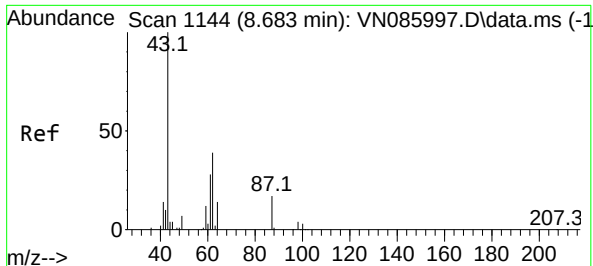
Ion Ratio Lower Upper

83 100

55 114.5 54.2 81.2#

98 46.3 37.1 55.7





#43

Isopropyl Acetate

Concen: 49.966 ug/l

RT: 8.759 min Scan# 1157

Delta R.T. 0.076 min

Lab File: VN086031.D

Acq: 20 Mar 2025 17:57

Instrument :

MSVOA_N

ClientSampleId :

MW3

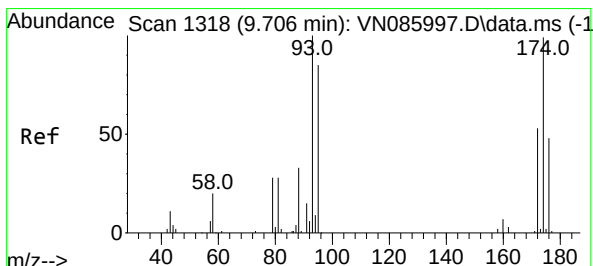
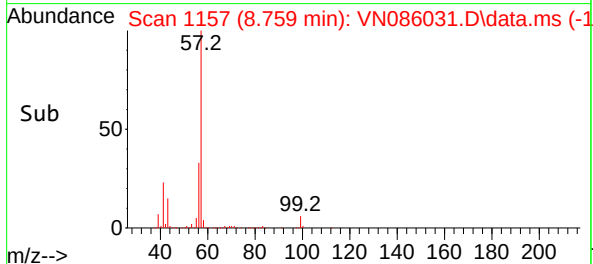
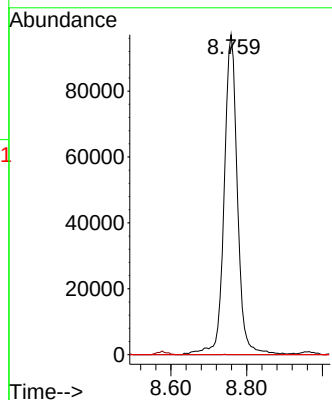
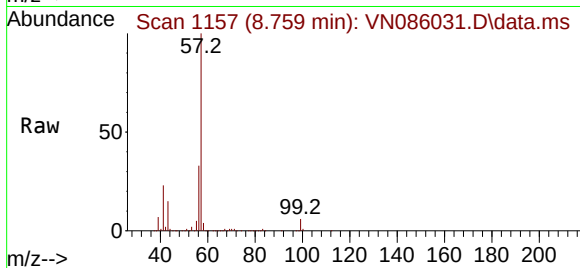
Tgt Ion: 43 Resp: 237448

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

87 0.0 13.0 19.4#



#46

Dibromomethane

Concen: 0.260 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. -0.124 min

Lab File: VN086031.D

Acq: 20 Mar 2025 17:57

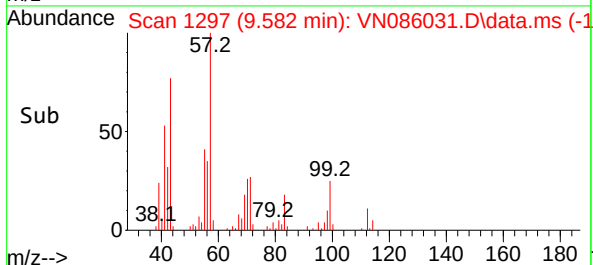
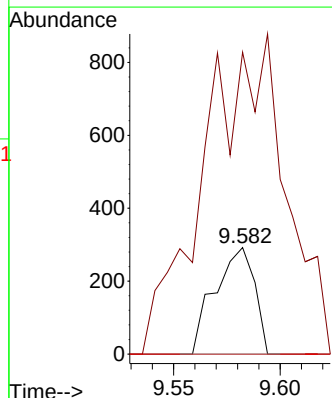
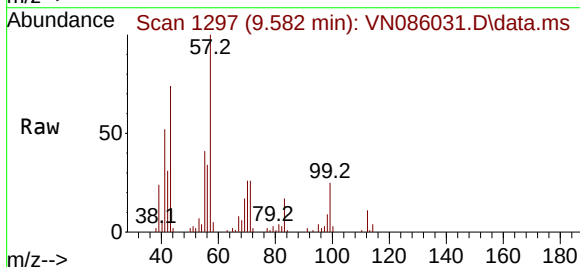
Tgt Ion: 93 Resp: 379

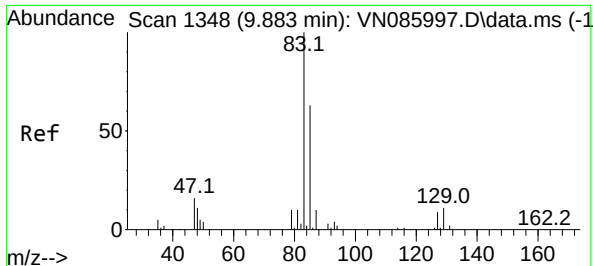
Ion Ratio Lower Upper

93 100

95 268.1 66.2 99.2#

174 0.0 80.1 120.1#

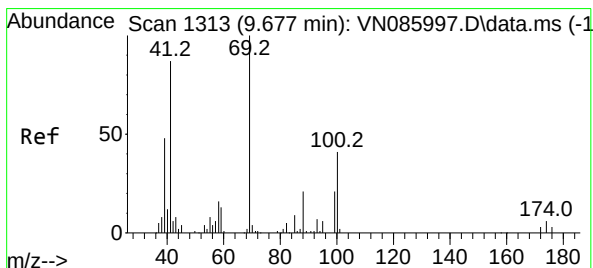
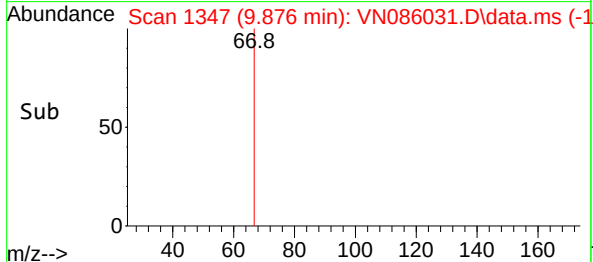
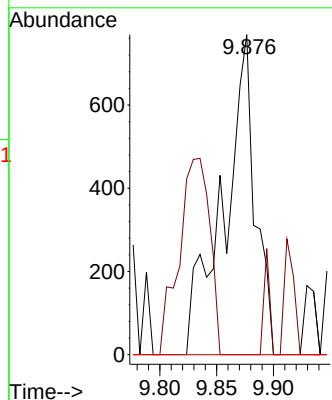
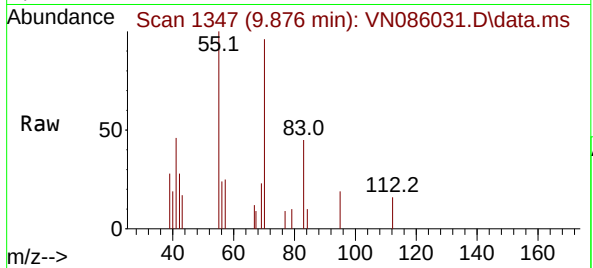




#47
Bromodichloromethane
Concen: 0.485 ug/l
RT: 9.876 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

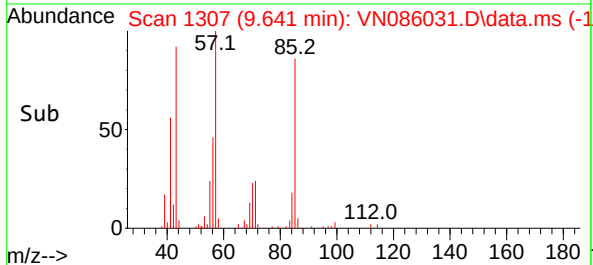
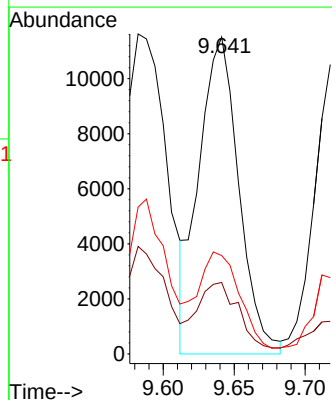
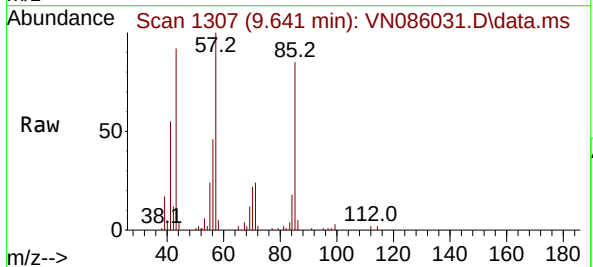
Instrument :
MSVOA_N
ClientSampleId :
MW3

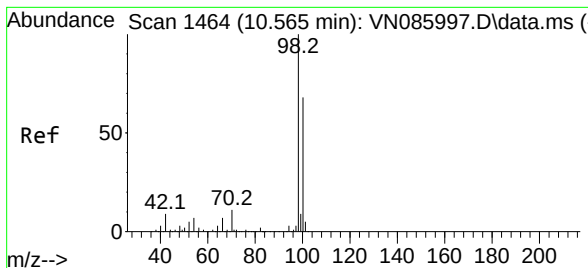
Tgt Ion: 83 Resp: 1479
Ion Ratio Lower Upper
83 100
85 0.0 50.2 75.2#
127 0.0 7.1 10.7#



#48
Methyl methacrylate
Concen: 14.372 ug/l
RT: 9.641 min Scan# 1307
Delta R.T. -0.036 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 41 Resp: 22538
Ion Ratio Lower Upper
41 100
69 25.0 83.1 124.7#
39 29.5 45.6 68.4#

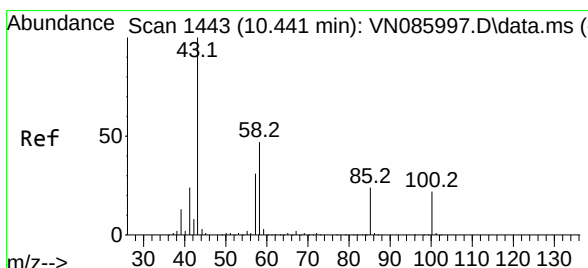
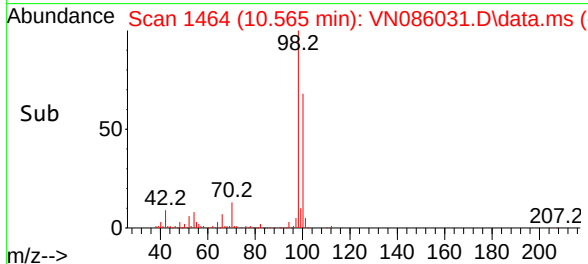
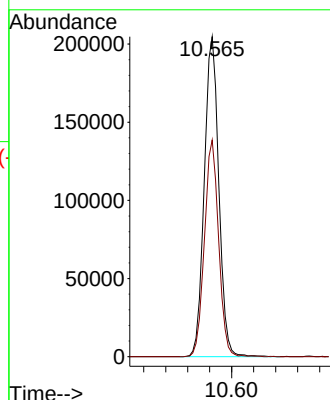
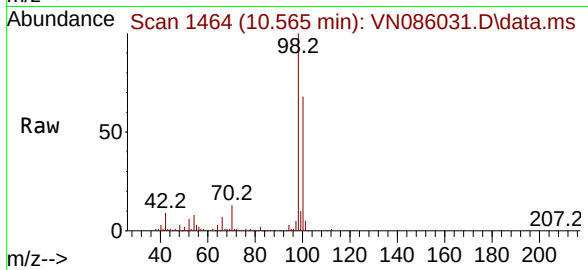




#50
Toluene-d8
Concen: 52.399 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

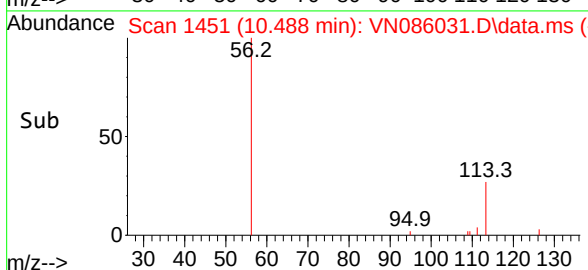
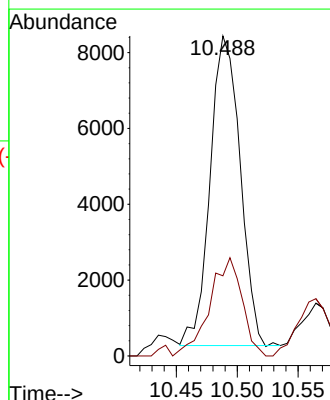
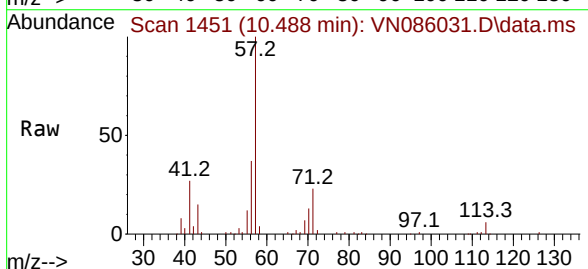
Instrument :
MSVOA_N
ClientSampleId :
MW3

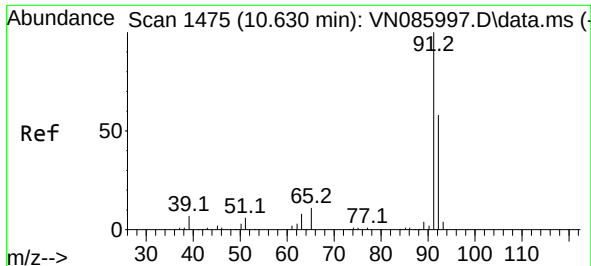
Tgt Ion: 98 Resp: 375430
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 6.687 ug/l
RT: 10.488 min Scan# 1451
Delta R.T. 0.047 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 43 Resp: 14014
Ion Ratio Lower Upper
43 100
58 34.1 37.4 56.0#

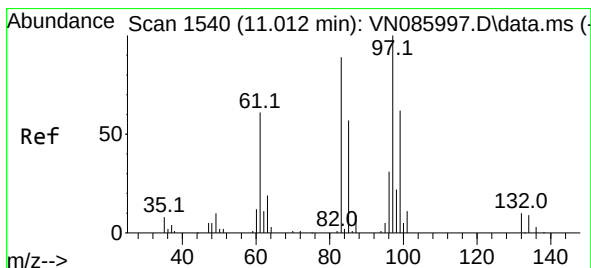
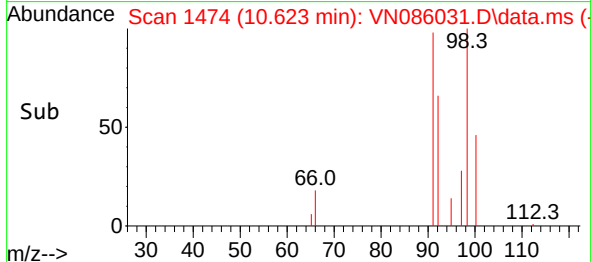
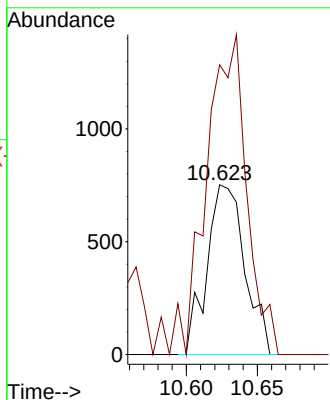
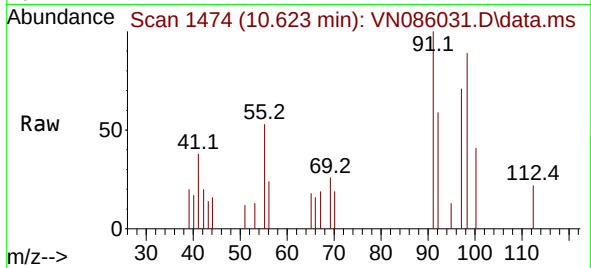




#52
Toluene
Concen: 0.280 ug/l
RT: 10.623 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

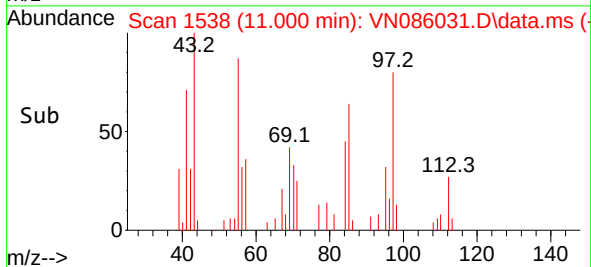
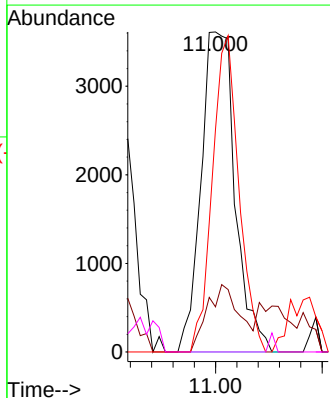
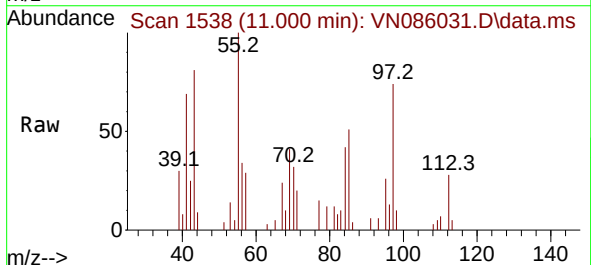
Instrument :
MSVOA_N
ClientSampleId :
MW3

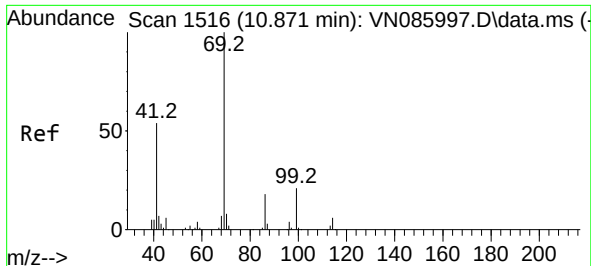
Tgt Ion: 92 Resp: 1400
Ion Ratio Lower Upper
92 100
91 200.1 136.2 204.4



#55
1,1,2-Trichloroethane
Concen: 4.209 ug/l
RT: 11.000 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 97 Resp: 8045
Ion Ratio Lower Upper
97 100
83 14.1 71.2 106.8#
85 69.5 45.4 68.0#
99 0.0 49.5 74.3#

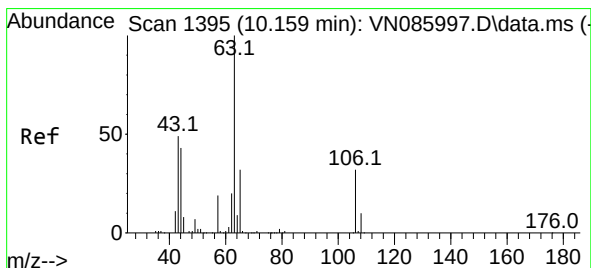
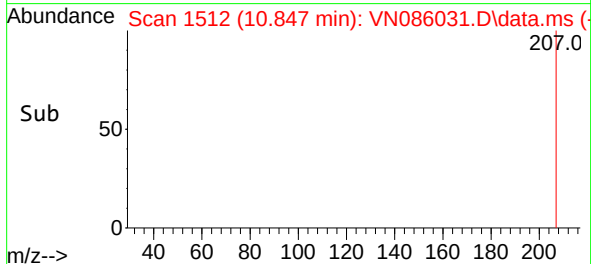
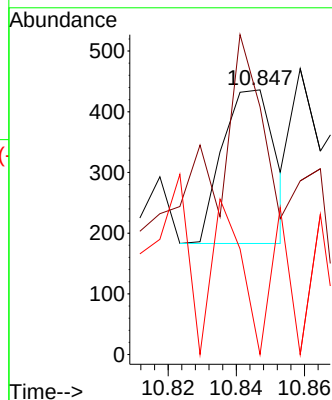
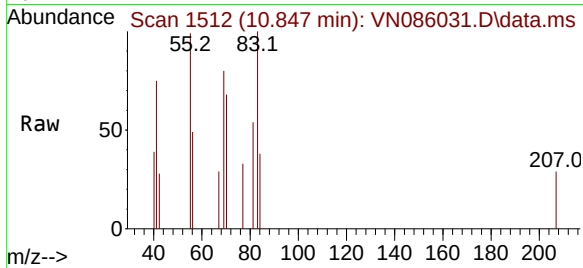




#56
Ethyl methacrylate
Concen: 0.301 ug/l
RT: 10.847 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

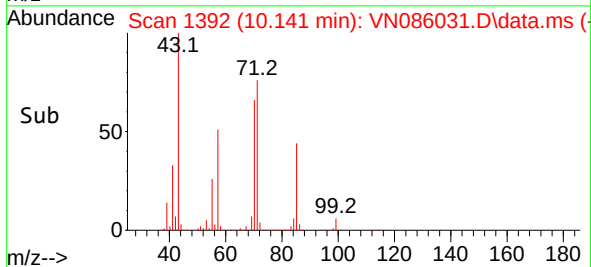
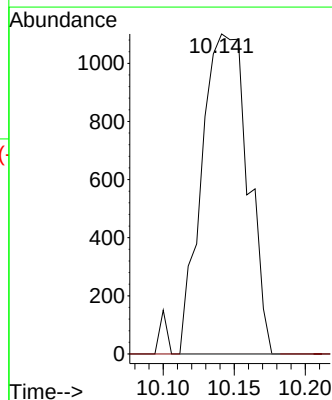
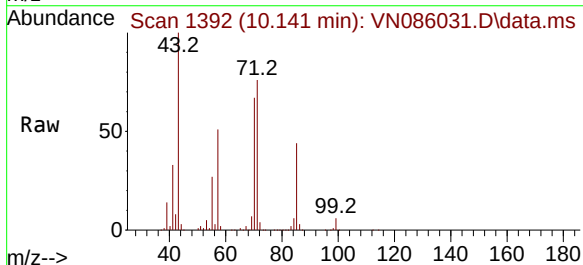
Instrument :
MSVOA_N
ClientSampleId :
MW3

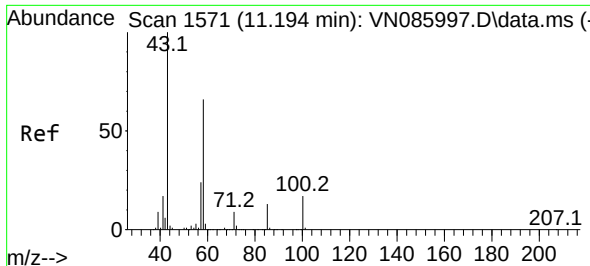
Tgt Ion: 69 Resp: 273
Ion Ratio Lower Upper
69 100
41 331.9 41.6 62.4#
39 61.2 21.8 32.8#



#58
2-Chloroethyl Vinyl ether
Concen: 6.118 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.018 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 63 Resp: 2494
Ion Ratio Lower Upper
63 100
106 0.0 25.0 37.6#

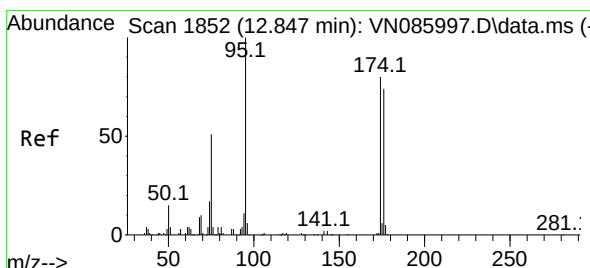
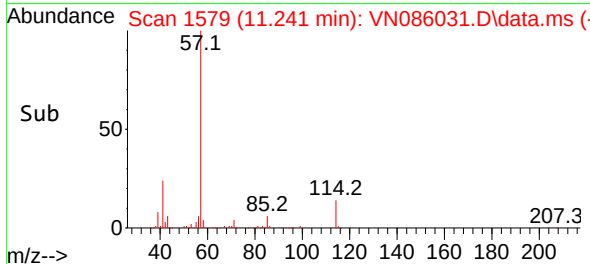
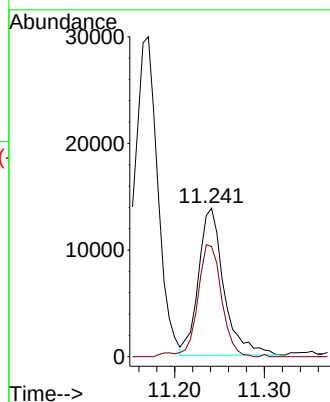
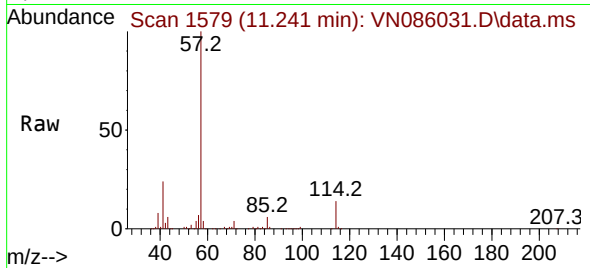




#59
2-Hexanone
Concen: 17.796 ug/l
RT: 11.241 min Scan# 11241
Delta R.T. 0.047 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

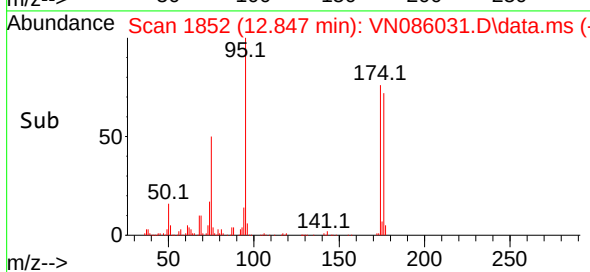
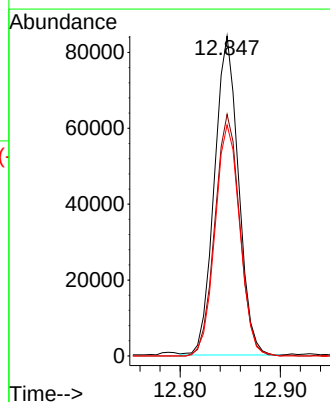
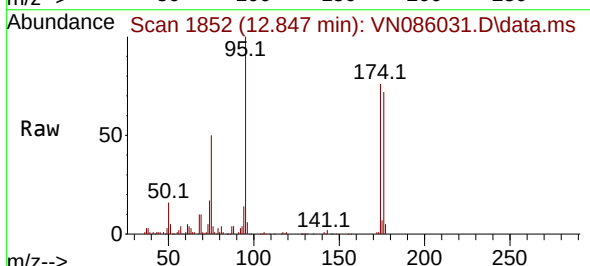
Instrument :
MSVOA_N
ClientSampleId :
MW3

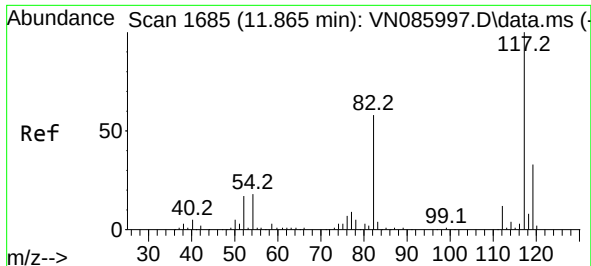
Tgt Ion: 43 Resp: 27171
Ion Ratio Lower Upper
43 100
58 71.8 32.4 97.2



#62
4-Bromofluorobenzene
Concen: 54.872 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 95 Resp: 140210
Ion Ratio Lower Upper
95 100
174 78.0 0.0 156.8
176 74.4 0.0 152.2

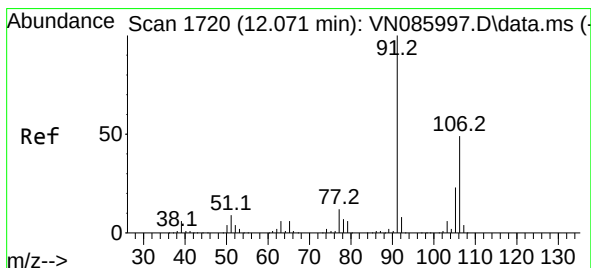
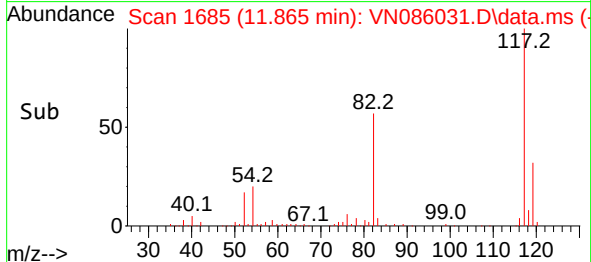
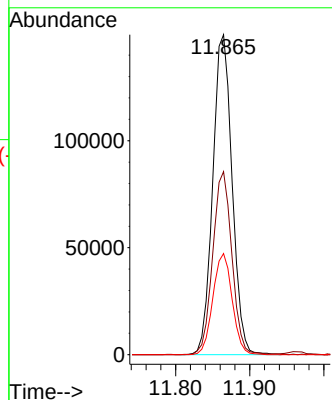
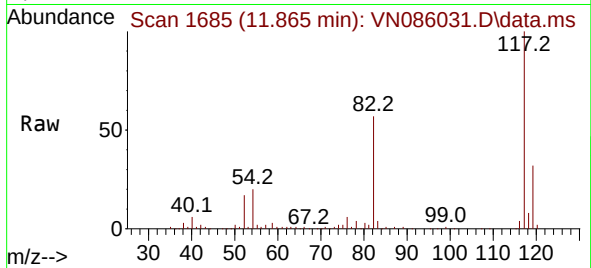




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

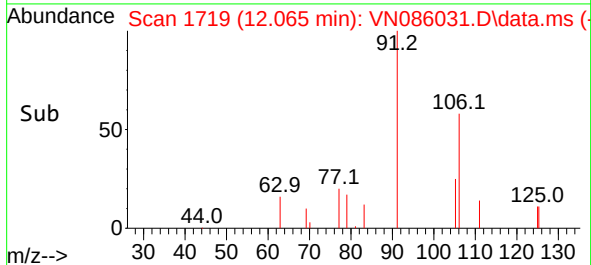
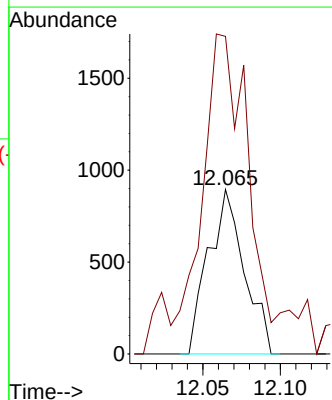
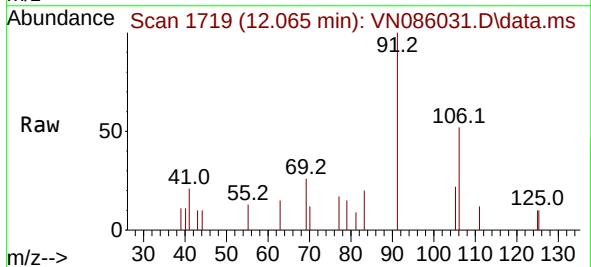
Instrument :
MSVOA_N
ClientSampleId :
MW3

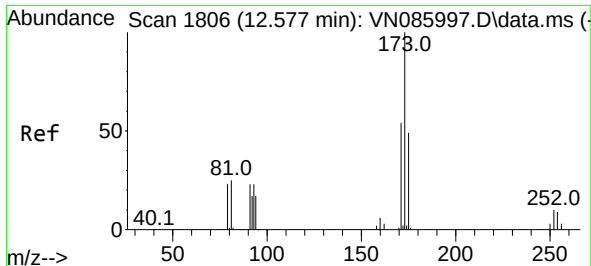
Tgt Ion:117 Resp: 271249
Ion Ratio Lower Upper
117 100
82 57.2 46.7 70.1
119 31.6 26.5 39.7



#68
m/p-Xylenes
Concen: 0.369 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:106 Resp: 1440
Ion Ratio Lower Upper
106 100
91 248.9 163.9 245.9#

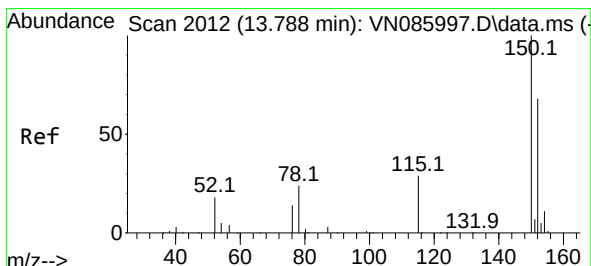
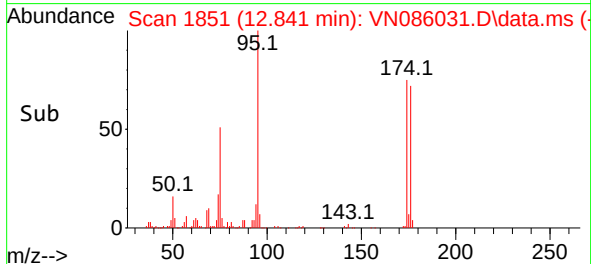
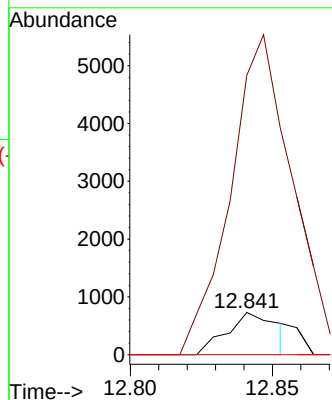
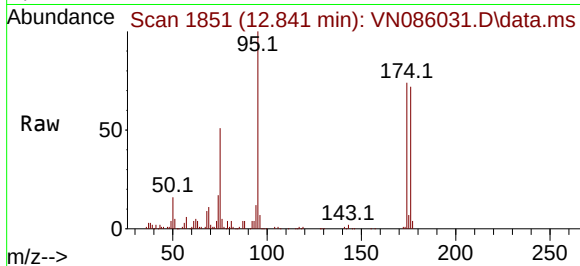




#71
Bromoform
Concen: 0.466 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.264 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

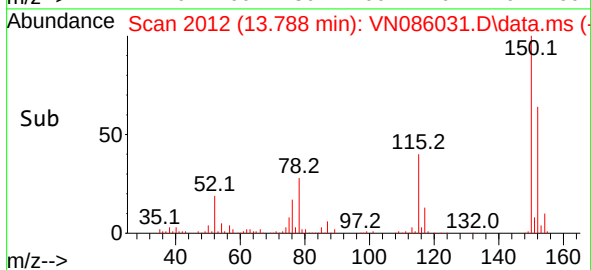
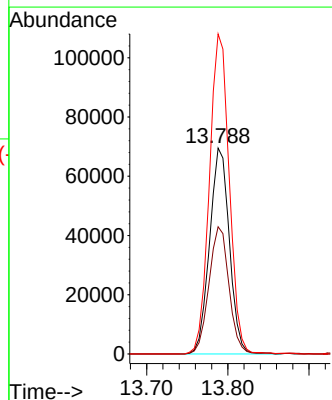
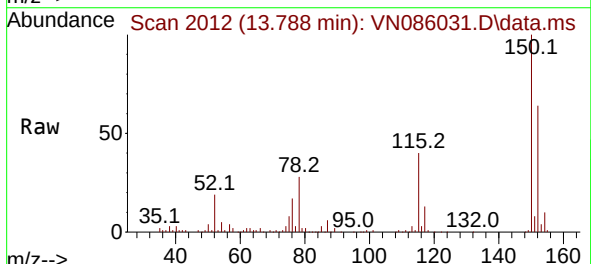
Instrument :
MSVOA_N
ClientSampleId :
MW3

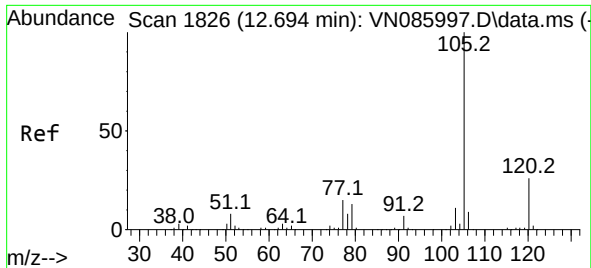
Tgt Ion:173 Resp: 899
Ion Ratio Lower Upper
173 100
175 747.4 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:152 Resp: 117699
Ion Ratio Lower Upper
152 100
115 62.5 31.1 93.2
150 155.4 0.0 359.6

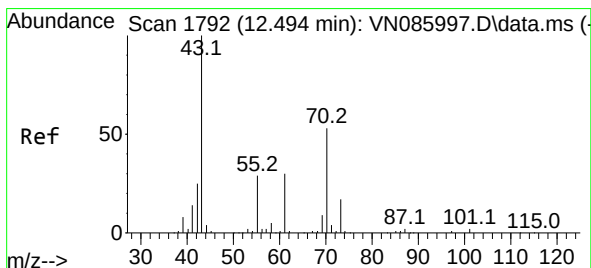
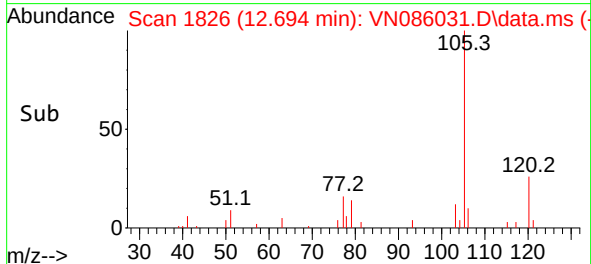
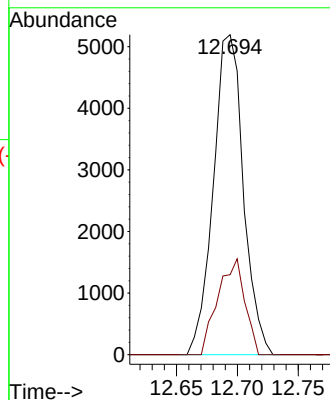
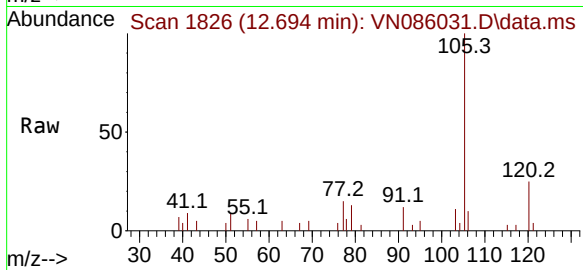




#73
Isopropylbenzene
Concen: 1.109 ug/l
RT: 12.694 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

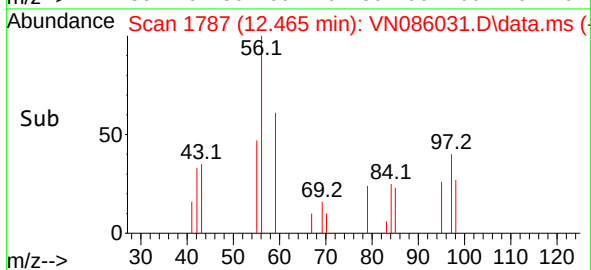
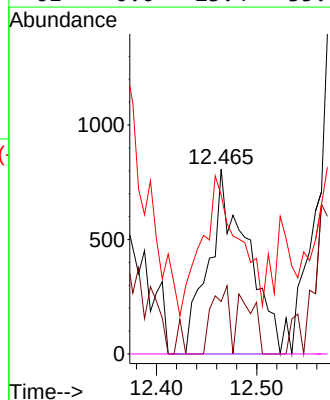
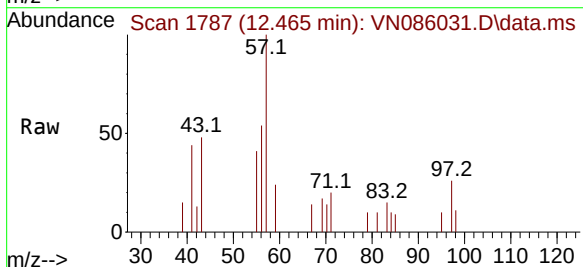
Instrument :
MSVOA_N
ClientSampleId :
MW3

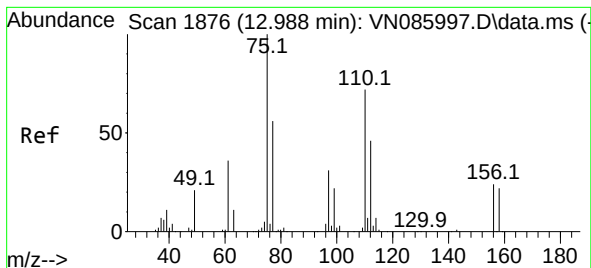
Tgt Ion:105 Resp: 8915
Ion Ratio Lower Upper
105 100
120 26.8 13.0 39.0



#74
N-ethyl acetate
Concen: 0.798 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.030 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
70 16.1 43.0 64.4#
55 72.5 23.8 35.8#
61 0.0 23.4 35.0#





#76

1,2,3-Trichloropropane

Concen: 26.709 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN086031.D

Acq: 20 Mar 2025 17:57

Instrument :

MSVOA_N

ClientSampleId :

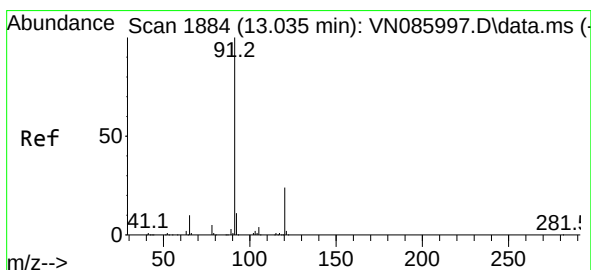
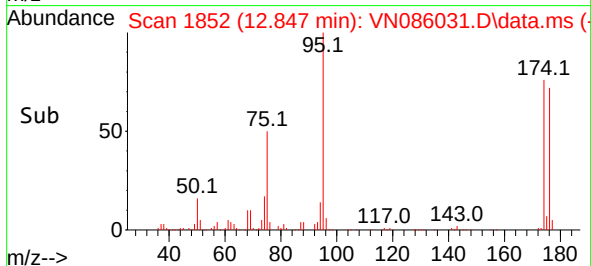
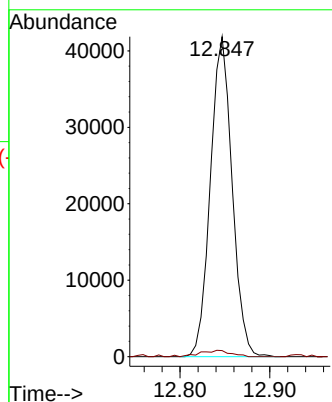
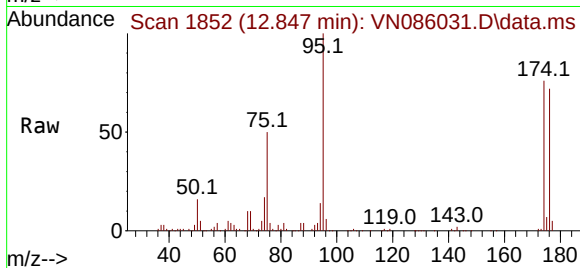
MW3

Tgt Ion: 75 Resp: 70380

Ion Ratio Lower Upper

75 100

77 2.8 83.7 251.0#



#78

n-propylbenzene

Concen: 2.686 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN086031.D

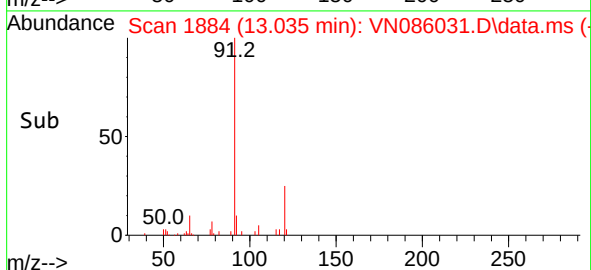
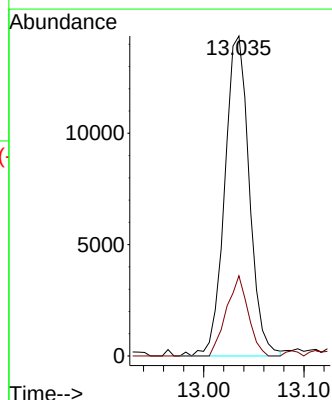
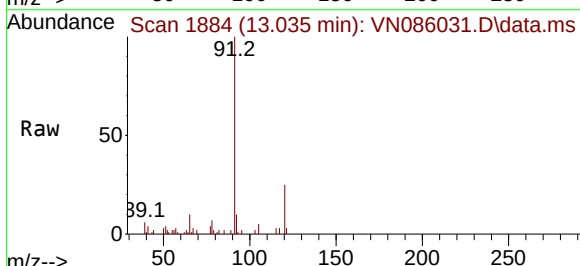
Acq: 20 Mar 2025 17:57

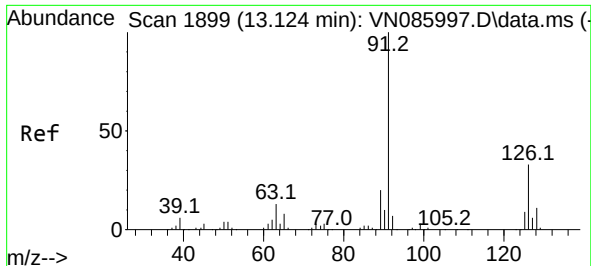
Tgt Ion: 91 Resp: 24449

Ion Ratio Lower Upper

91 100

120 22.2 11.7 35.0

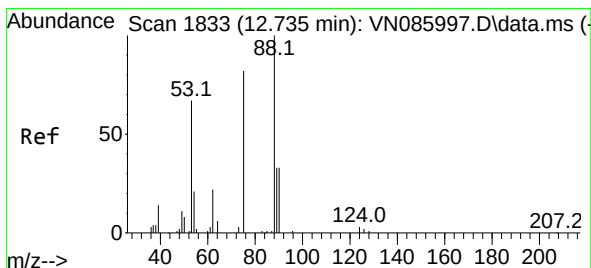
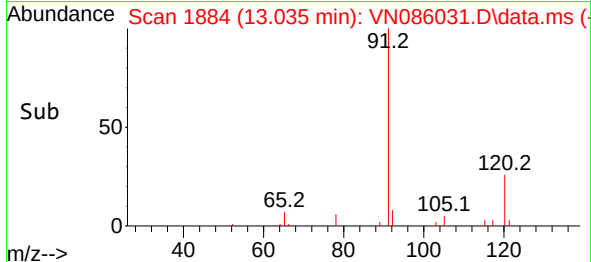
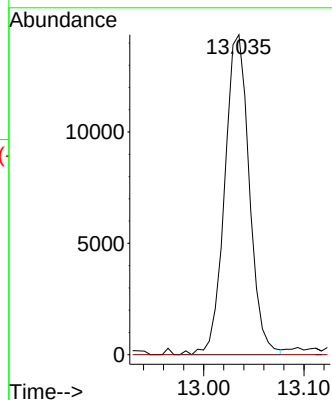
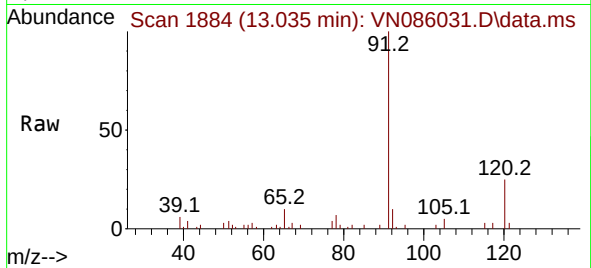




#79
2-Chlorotoluene
Concen: 4.044 ug/l
RT: 13.035 min Scan# 11
Delta R.T. -0.088 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

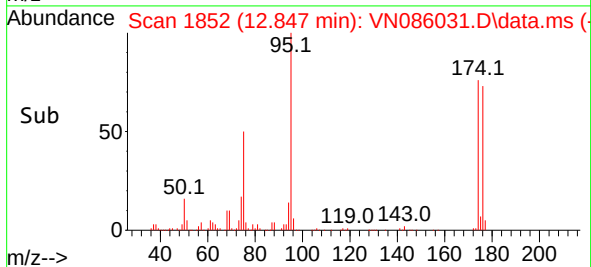
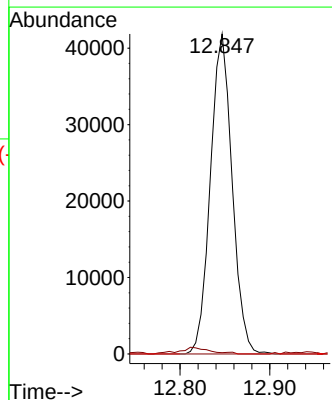
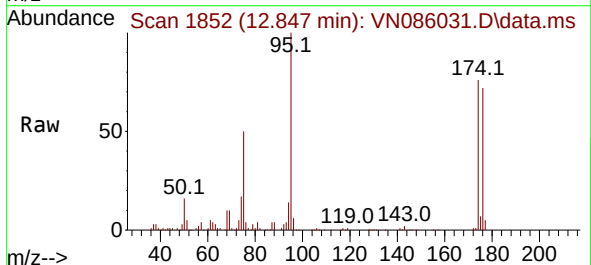
Instrument :
MSVOA_N
ClientSampleId :
MW3

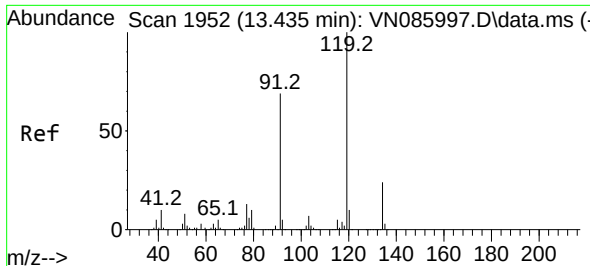
Tgt Ion: 91 Resp: 24449
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.614 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 75 Resp: 70380
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#

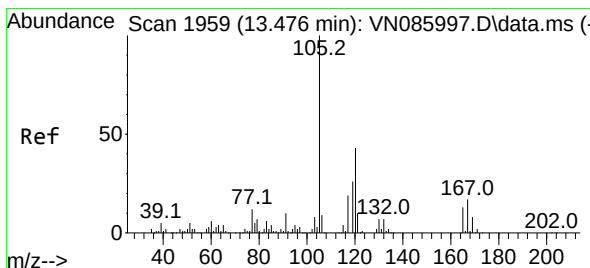
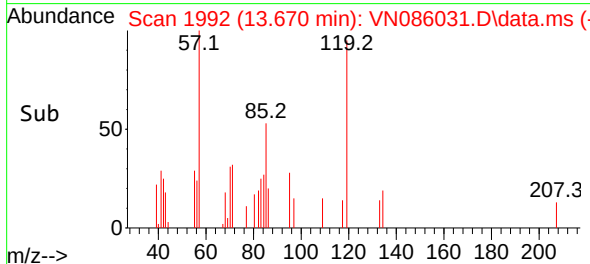
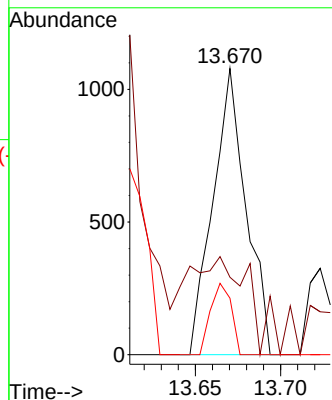
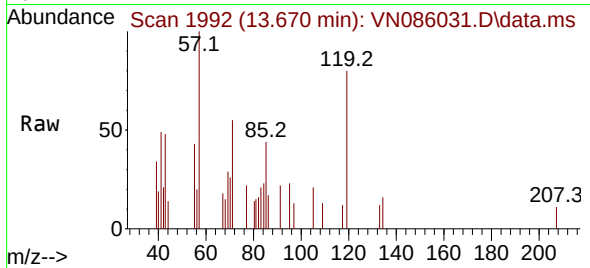




#83
tert-Butylbenzene
Concen: 0.251 ug/l
RT: 13.670 min Scan# 1992
Delta R.T. 0.235 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

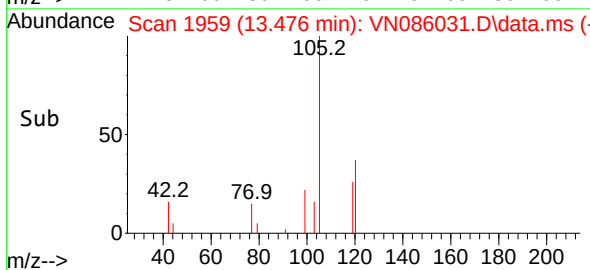
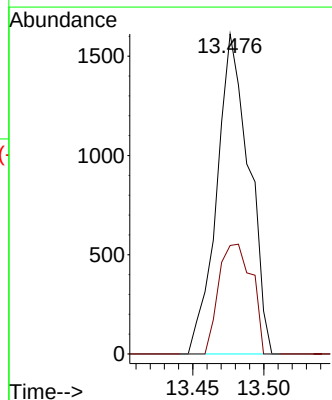
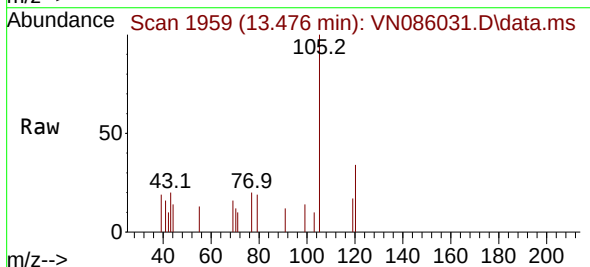
Instrument :
MSVOA_N
ClientSampleId :
MW3

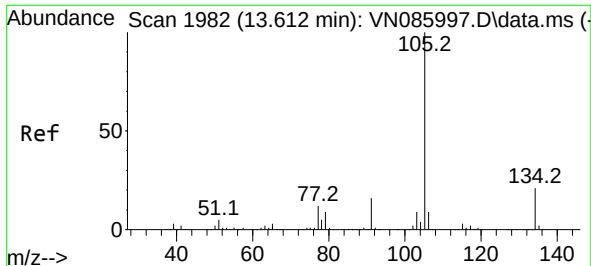
Tgt Ion:	119	Resp:	1457
Ion	Ratio	Lower	Upper
119	100		
91	65.4	34.3	102.9
134	15.6	13.5	40.5



#84
1,2,4-Trimethylbenzene
Concen: 0.373 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:	105	Resp:	2551
Ion	Ratio	Lower	Upper
105	100		
120	35.2	21.9	65.8

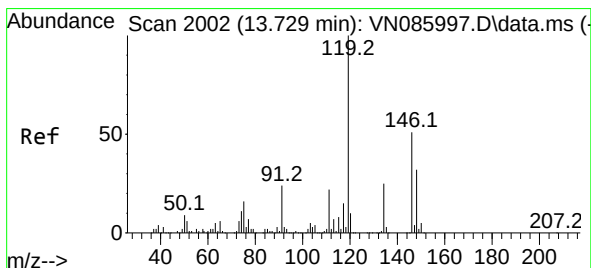
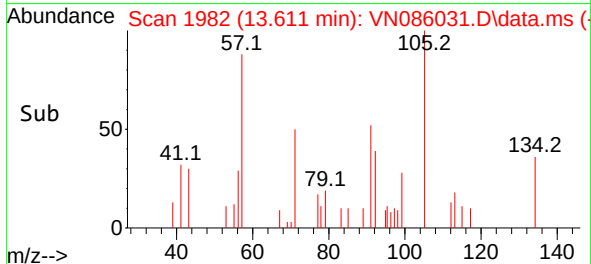
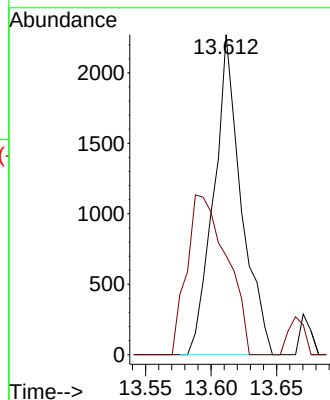
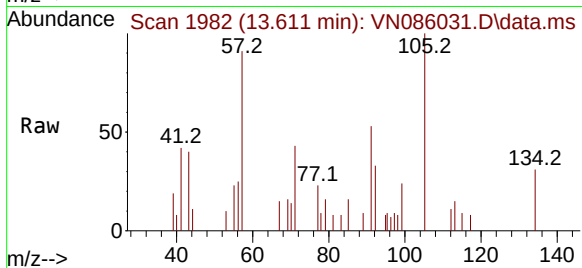




#85
 sec-Butylbenzene
 Concen: 0.435 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086031.D
 Acq: 20 Mar 2025 17:57

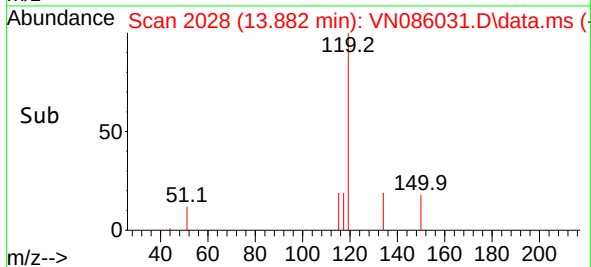
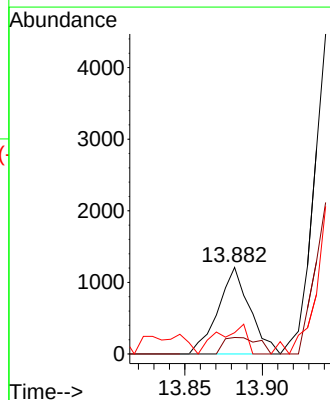
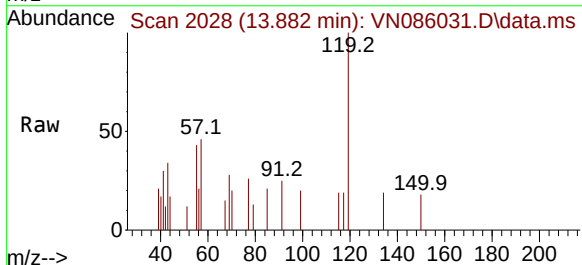
Instrument :
 MSVOA_N
 ClientSampleId :
 MW3

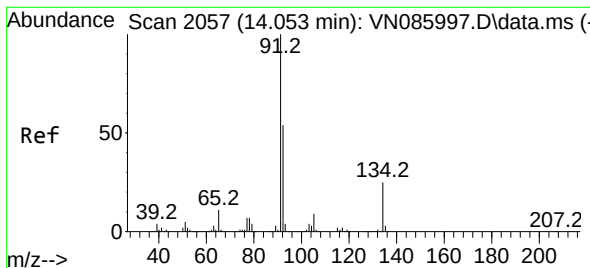
Tgt Ion:105 Resp: 3291
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#86
 p-Isopropyltoluene
 Concen: 0.269 ug/l
 RT: 13.882 min Scan# 2028
 Delta R.T. 0.153 min
 Lab File: VN086031.D
 Acq: 20 Mar 2025 17:57

Tgt Ion:119 Resp: 1721
 Ion Ratio Lower Upper
 119 100
 134 21.0 12.6 37.8
 91 29.6 12.3 36.8





#89

n-Butylbenzene

Concen: 0.897 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086031.D

Acq: 20 Mar 2025 17:57

Instrument :

MSVOA_N

ClientSampleId :

MW3

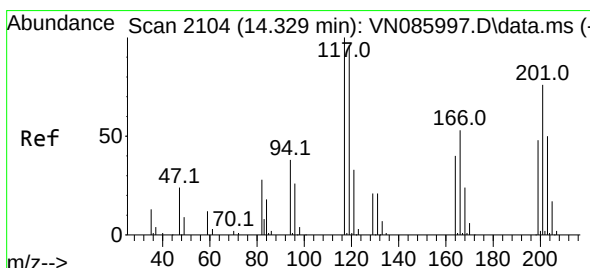
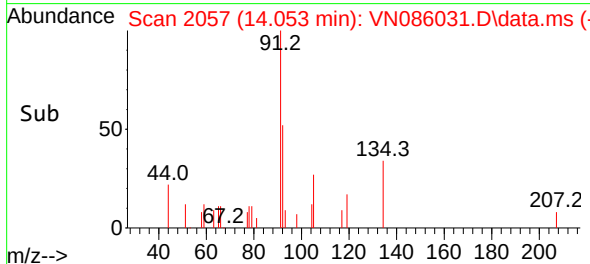
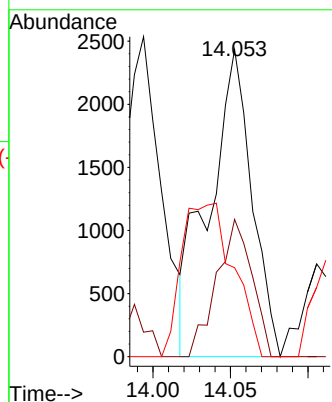
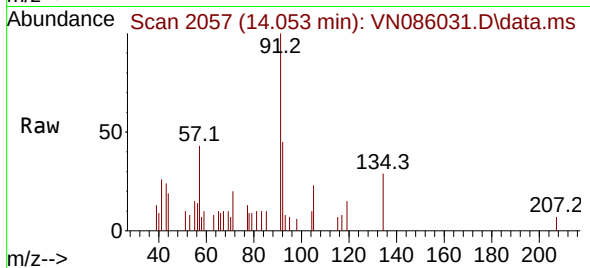
Tgt Ion: 91 Resp: 4681

Ion Ratio Lower Upper

91 100

92 36.7 26.9 80.6

134 60.2 13.0 39.0#



#90

Hexachloroethane

Concen: 2.020 ug/l

RT: 14.323 min Scan# 2103

Delta R.T. -0.006 min

Lab File: VN086031.D

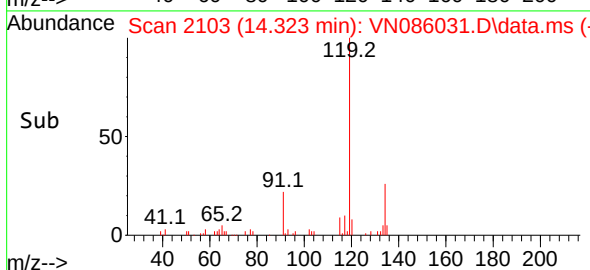
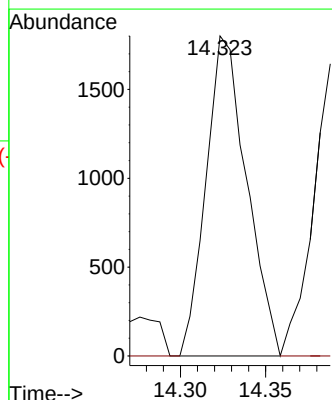
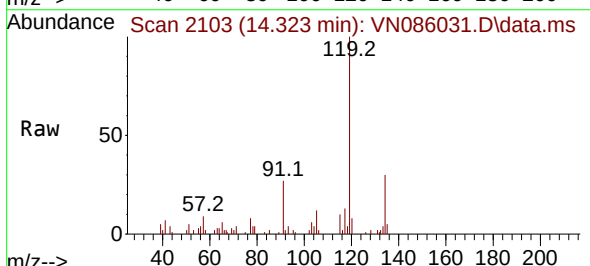
Acq: 20 Mar 2025 17:57

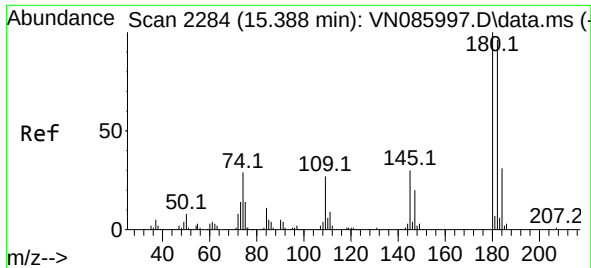
Tgt Ion: 117 Resp: 2988

Ion Ratio Lower Upper

117 100

201 0.0 39.1 117.3#

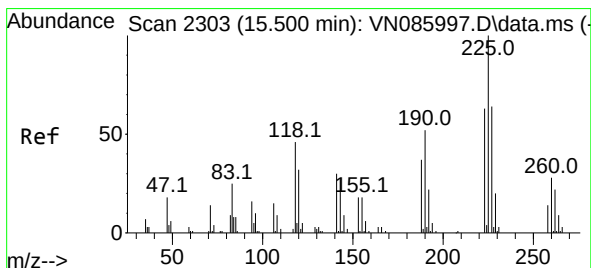
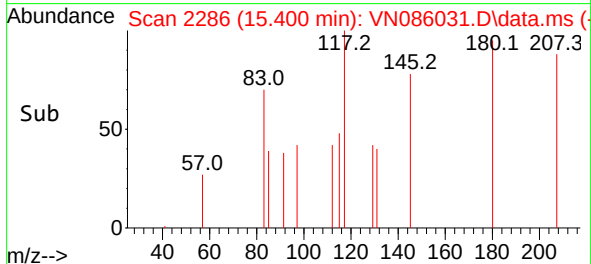
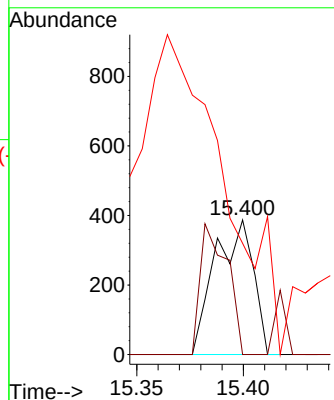
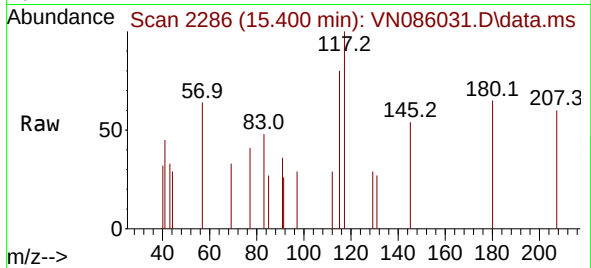




#93
 1,2,4-Trichlorobenzene
 Concen: 0.239 ug/l
 RT: 15.400 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN086031.D
 Acq: 20 Mar 2025 17:57

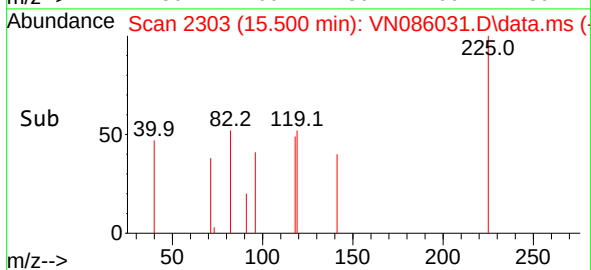
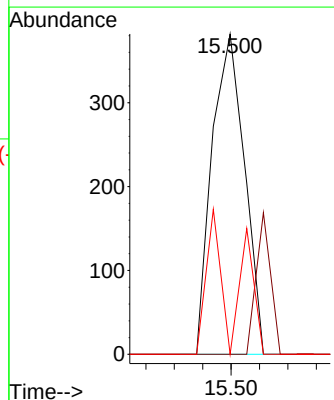
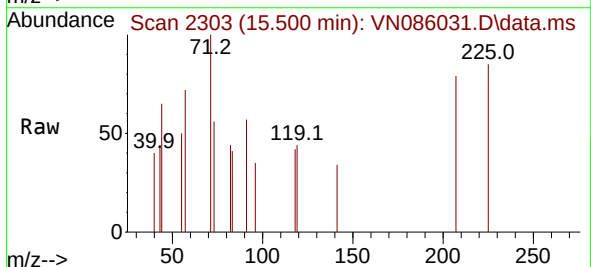
Instrument :
 MSVOA_N
 ClientSampleId :
 MW3

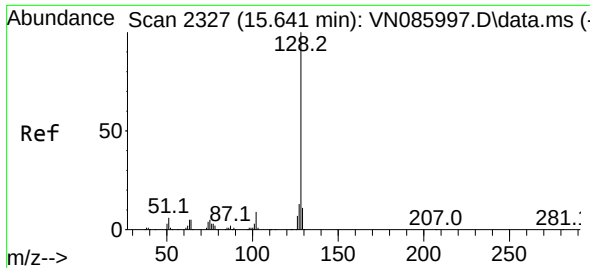
Tgt Ion:180 Resp: 483
 Ion Ratio Lower Upper
 180 100
 182 13.5 47.0 141.0#
 145 0.0 15.5 46.5#



#94
 Hexachlorobutadiene
 Concen: 0.259 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. -0.000 min
 Lab File: VN086031.D
 Acq: 20 Mar 2025 17:57

Tgt Ion:225 Resp: 303
 Ion Ratio Lower Upper
 225 100
 223 19.8 31.3 93.9#
 227 37.6 32.1 96.3

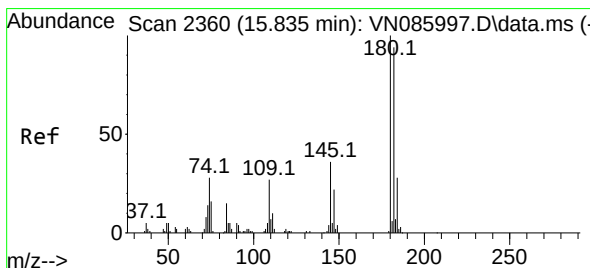
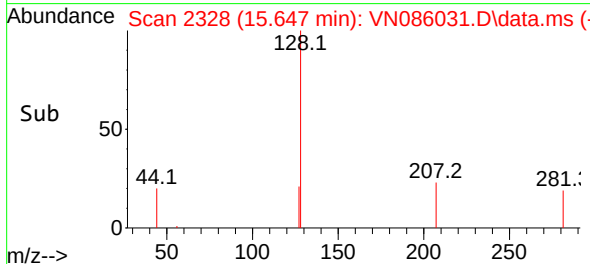
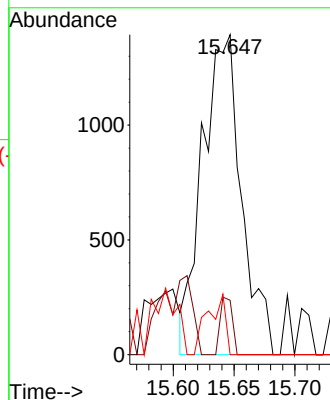
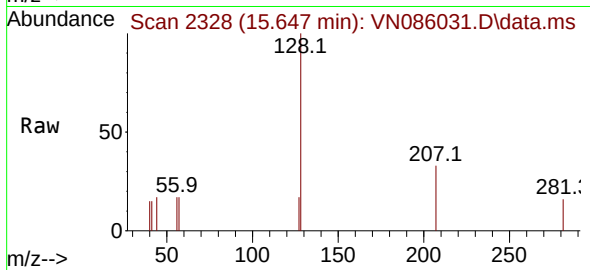




#95
Naphthalene
Concen: 0.533 ug/l
RT: 15.647 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:128 Resp: 3117
Ion Ratio Lower Upper
128 100
127 5.5 10.2 15.4#
129 8.7 9.0 13.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.227 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:180 Resp: 435
Ion Ratio Lower Upper
180 100
182 107.6 47.5 142.5
145 0.0 17.7 53.1#

