

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
 Data File : VN086026.D
 Acq On : 20 Mar 2025 15:48
 Operator : JC\MD
 Sample : VN0320MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320MBL01

Quant Time: Mar 21 01:20:05 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)

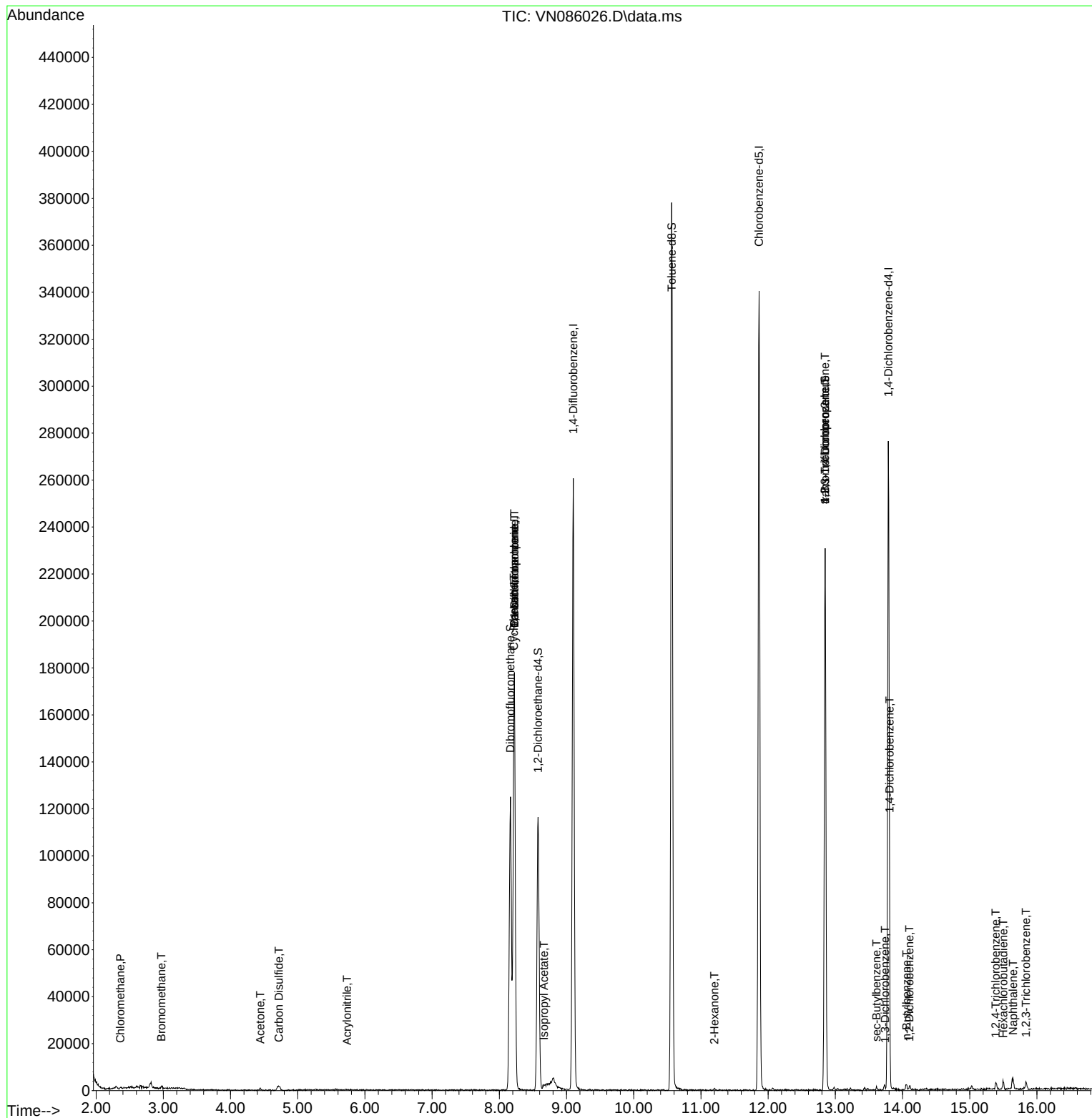
Internal Standards						
1) Pentafluorobenzene	8.224	168	125889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	222136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	205144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	80185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	100309	58.189	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.380%			
35) Dibromofluoromethane	8.165	113	86385	55.715	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.420%			
50) Toluene-d8	10.565	98	272679	48.458	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.920%			
62) 4-Bromofluorobenzene	12.847	95	80619	40.173	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 80.340%			
Target Compounds						Qvalue
3) Chloromethane	2.360	50	384	0.263	ug/l #	80
5) Bromomethane	2.971	94	321	0.315	ug/l #	62
15) Acrylonitrile	5.736	53	261	0.405	ug/l #	19
16) Acetone	4.442	43	965	1.832	ug/l #	86
17) Carbon Disulfide	4.718	76	1880	0.443	ug/l #	74
31) Cyclohexane	8.218	56	2532	1.179	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	10090	4.942	ug/l #	49
38) Carbon Tetrachloride	8.224	117	13469	5.018	ug/l #	16
43) Isopropyl Acetate	8.665	43	1510	0.405	ug/l #	50
59) 2-Hexanone	11.200	43	606	0.505	ug/l	79
76) 1,2,3-Trichloropropane	12.847	75	40790	22.722	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	40790	60.073	ug/l #	16
85) sec-Butylbenzene	13.612	105	1233	0.239	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	828	0.301	ug/l #	78
88) 1,4-Dichlorobenzene	13.806	146	1022	0.353	ug/l #	31
89) n-Butylbenzene	14.059	91	1815	0.510	ug/l	87
91) 1,2-Dichlorobenzene	14.100	146	828	0.303	ug/l	87
93) 1,2,4-Trichlorobenzene	15.388	180	1266	0.920	ug/l	87
94) Hexachlorobutadiene	15.500	225	940	1.178	ug/l	91
95) Naphthalene	15.647	128	6043	1.517	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	1749	1.340	ug/l	90

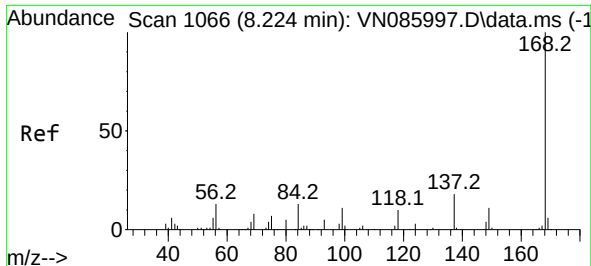
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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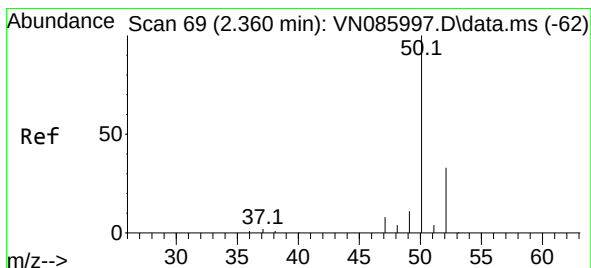
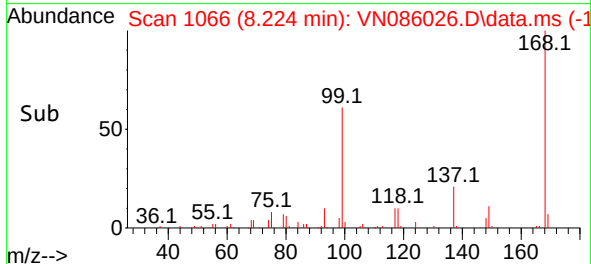
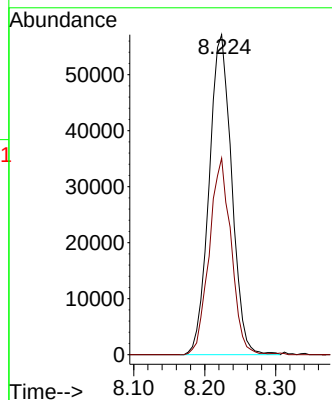
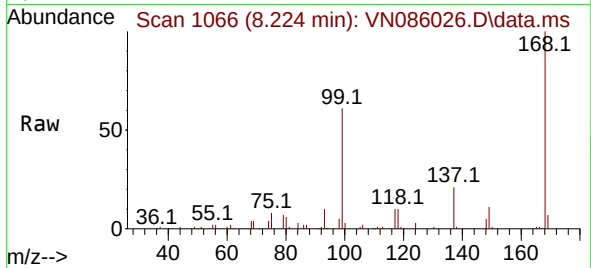




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

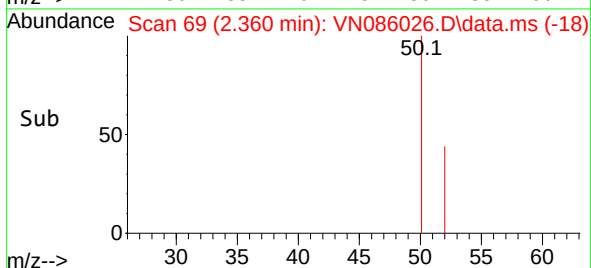
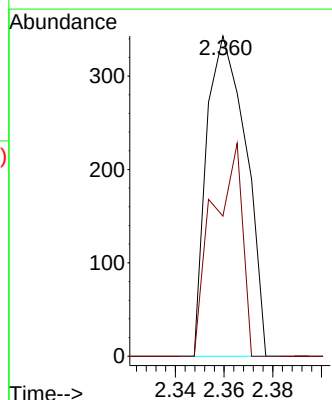
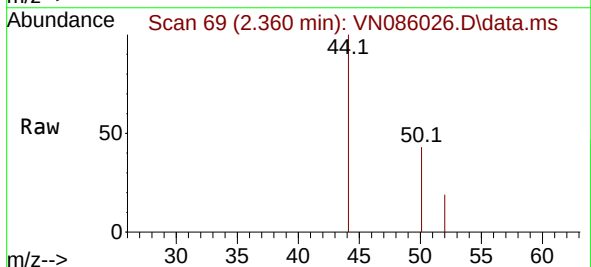
Instrument :
MSVOA_N
ClientSampleId :
VN0320MBL01

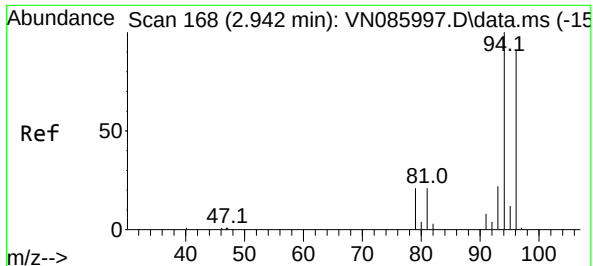
Tgt Ion:168 Resp: 125889
Ion Ratio Lower Upper
168 100
99 61.4 49.4 74.2



#3
Chloromethane
Concen: 0.263 ug/l
RT: 2.360 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

Tgt Ion: 50 Resp: 384
Ion Ratio Lower Upper
50 100
52 43.7 26.0 39.0#

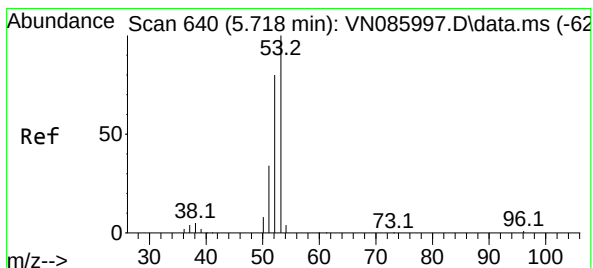
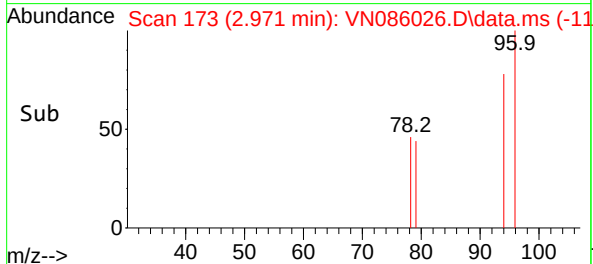
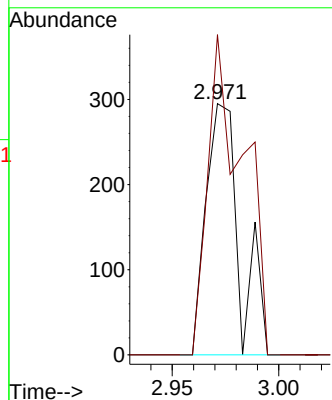
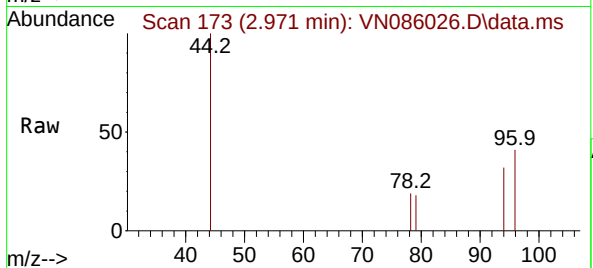




#5
Bromomethane
Concen: 0.315 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

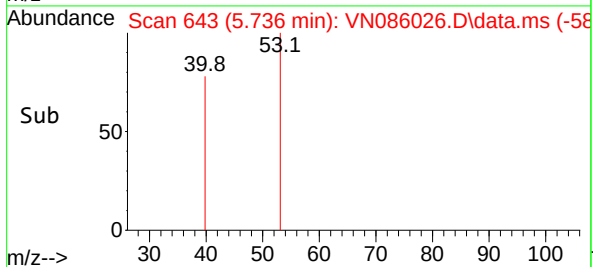
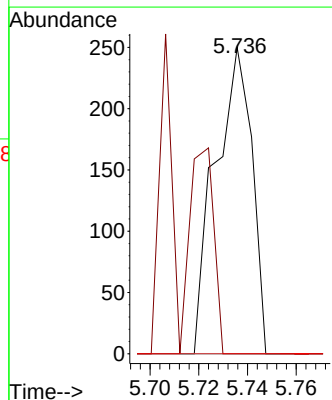
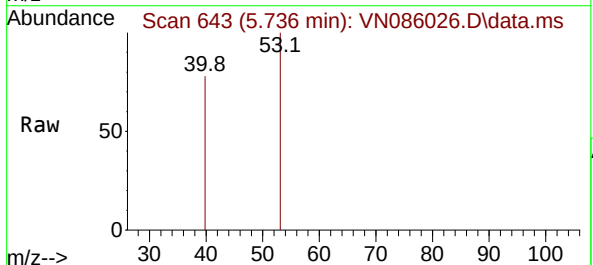
Instrument :
MSVOA_N
ClientSampleId :
VN0320MBL01

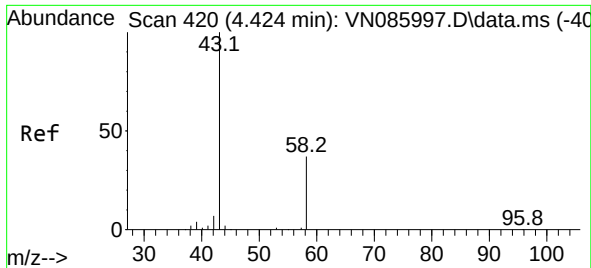
Tgt Ion: 94 Resp: 321
Ion Ratio Lower Upper
94 100
96 127.5 72.8 109.2#



#15
Acrylonitrile
Concen: 0.405 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.018 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

Tgt Ion: 53 Resp: 261
Ion Ratio Lower Upper
53 100
52 0.0 63.9 95.9#
51 0.0 27.1 40.7#

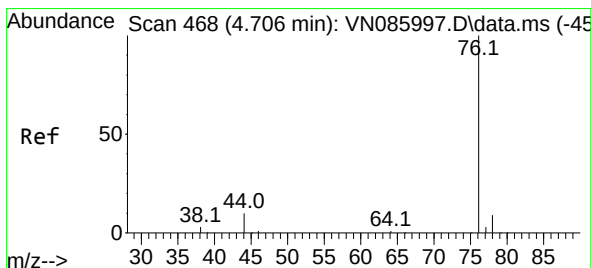
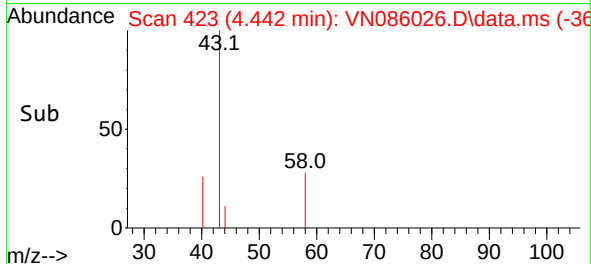
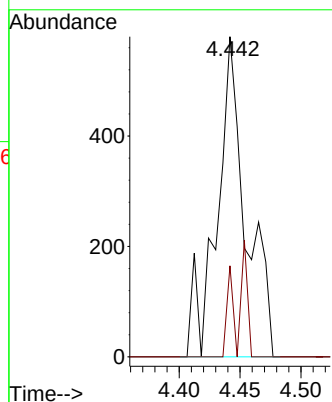
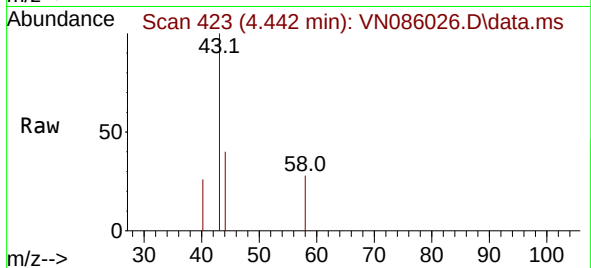




#16
Acetone
Concen: 1.832 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

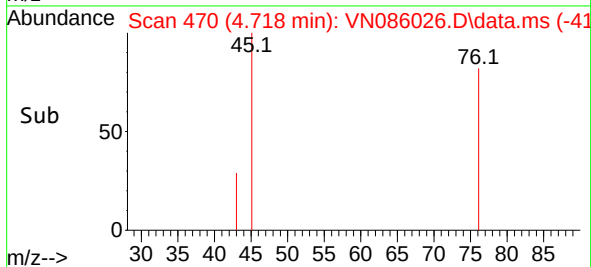
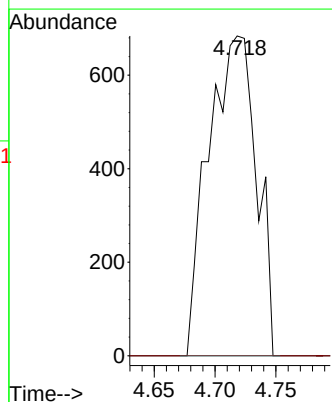
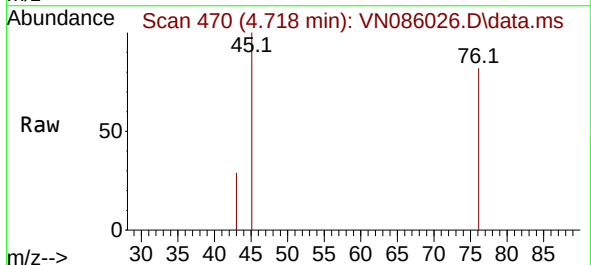
Instrument :
MSVOA_N
ClientSampleId :
VN0320MBL01

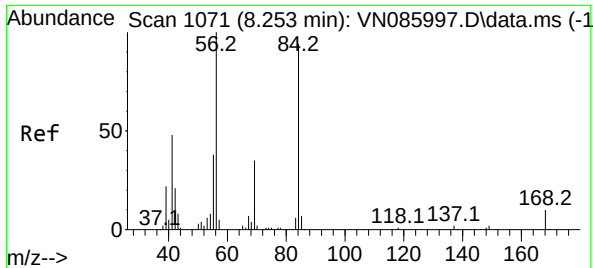
Tgt Ion: 43 Resp: 965
Ion Ratio Lower Upper
43 100
58 28.4 29.4 44.2#



#17
Carbon Disulfide
Concen: 0.443 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.012 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

Tgt Ion: 76 Resp: 1880
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

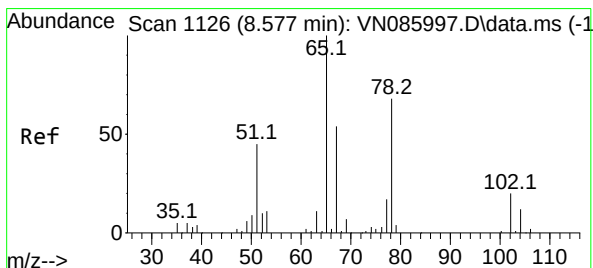
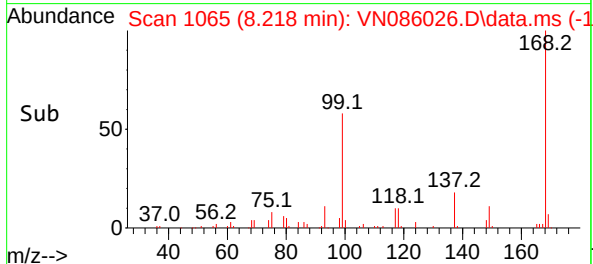
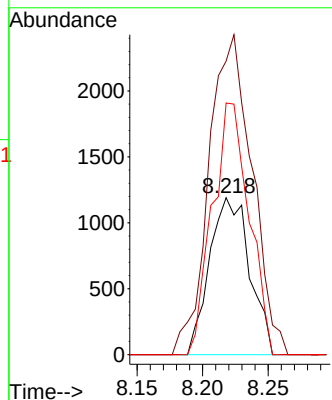
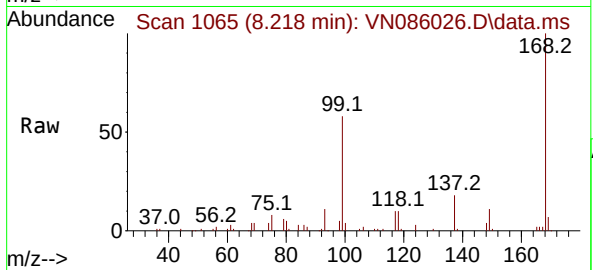




#31
Cyclohexane
Concen: 1.179 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

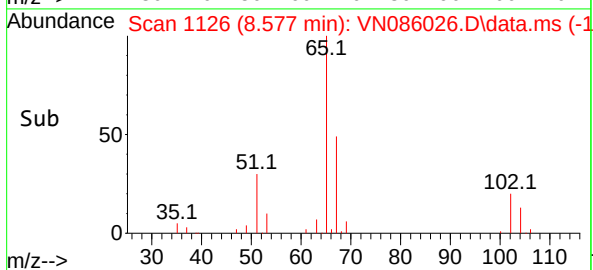
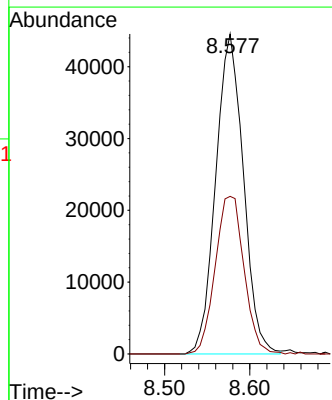
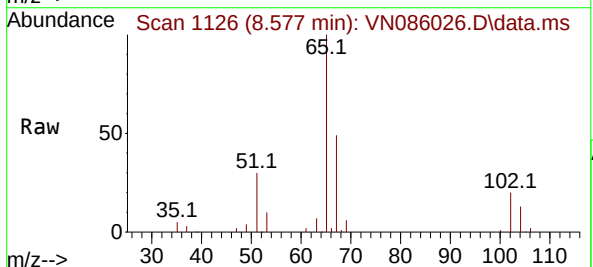
Instrument :
MSVOA_N
ClientSampleId :
VN0320MBL01

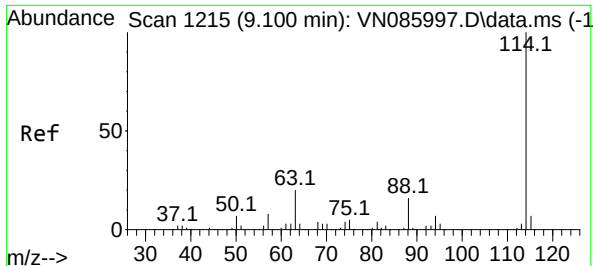
Tgt Ion: 56 Resp: 2532
Ion Ratio Lower Upper
56 100
69 172.5 28.0 42.0#
84 160.4 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 58.189 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

Tgt Ion: 65 Resp: 100309
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086026.D

Acq: 20 Mar 2025 15:48

Instrument :

MSVOA_N

ClientSampleId :

VN0320MBL01

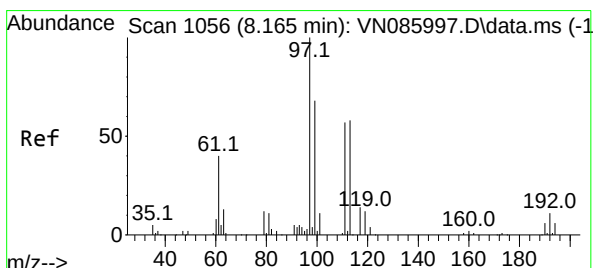
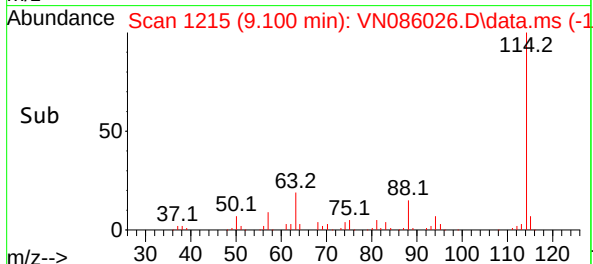
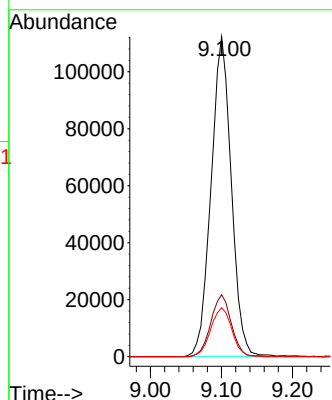
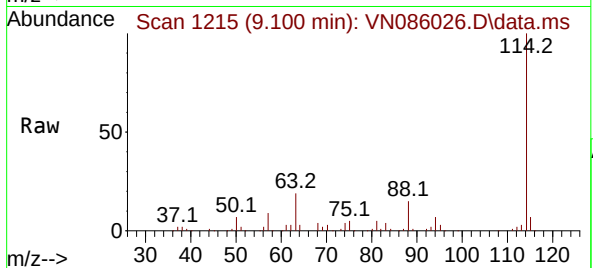
Tgt Ion:114 Resp: 222136

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 55.715 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086026.D

Acq: 20 Mar 2025 15:48

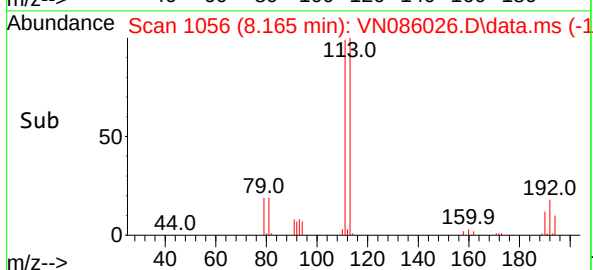
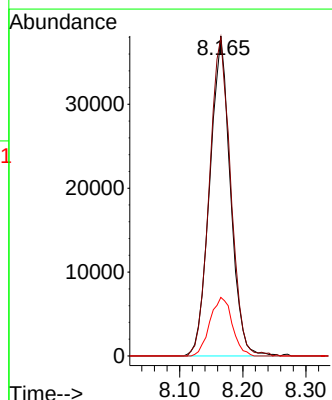
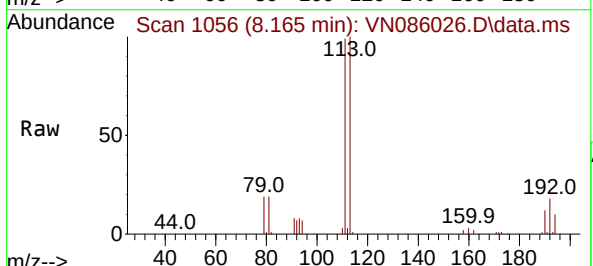
Tgt Ion:113 Resp: 86385

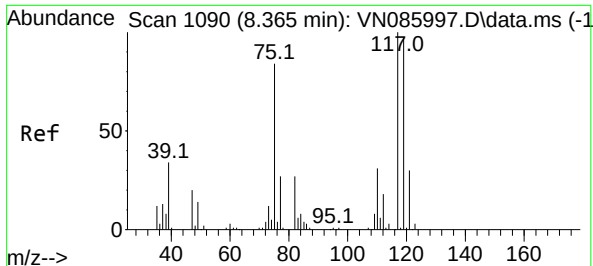
Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

192 19.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.942 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086026.D

Acq: 20 Mar 2025 15:48

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MSVOA_N

ClientSampleId :

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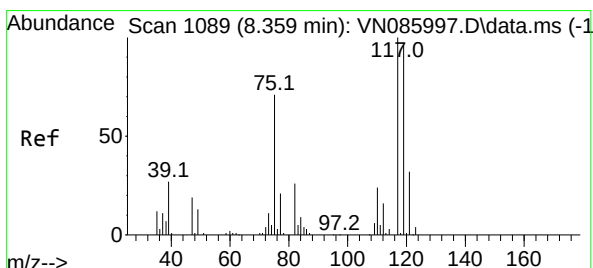
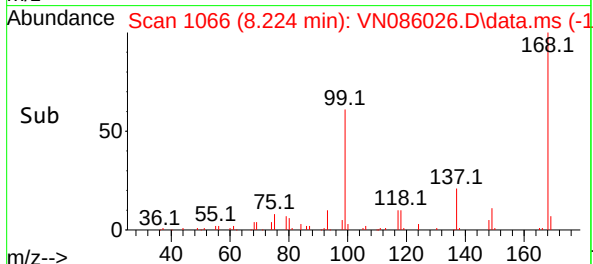
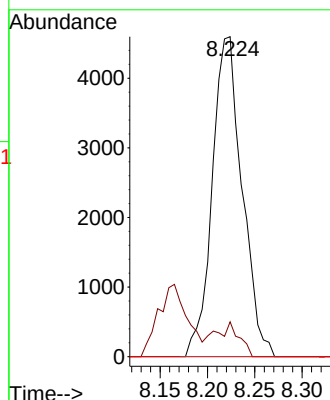
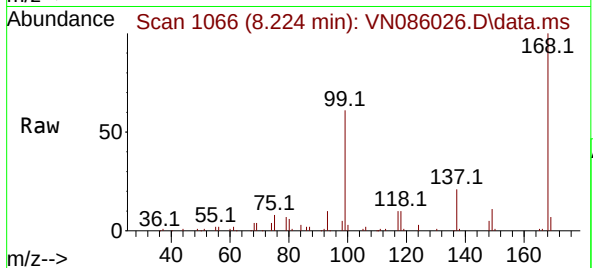
Tgt Ion: 75 Resp: 10090

Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.018 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086026.D

Acq: 20 Mar 2025 15:48

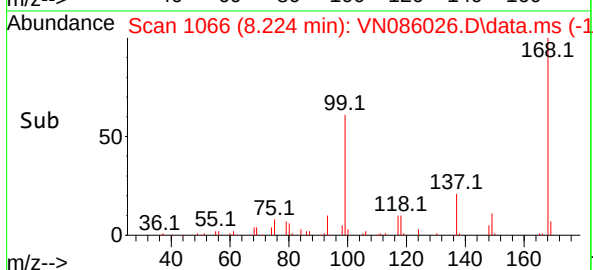
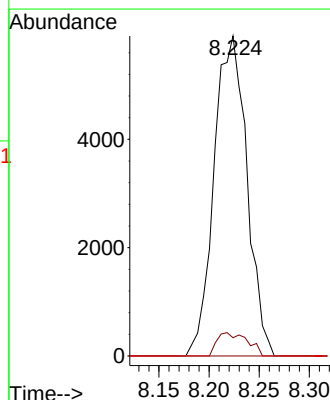
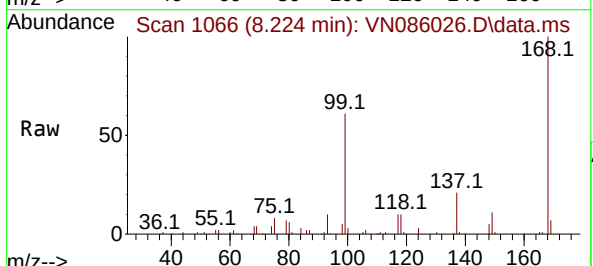
Tgt Ion: 117 Resp: 13469

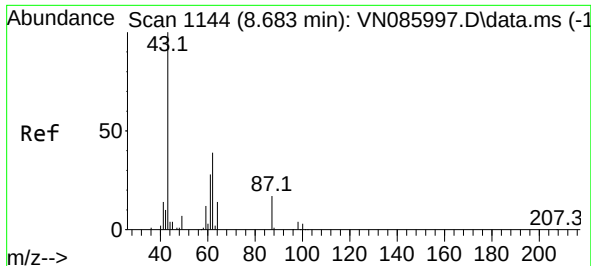
Ion Ratio Lower Upper

117 100

119 5.7 77.0 115.4#

121 0.0 25.6 38.4#

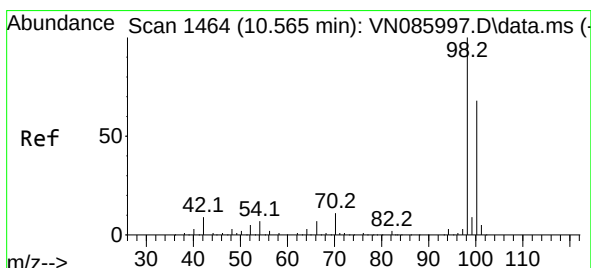
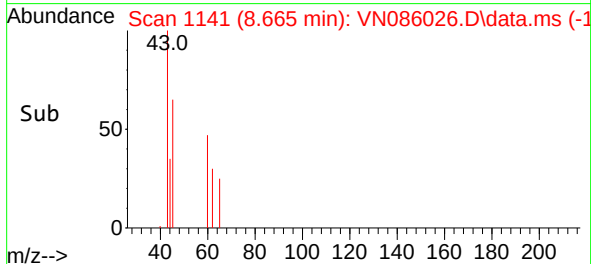
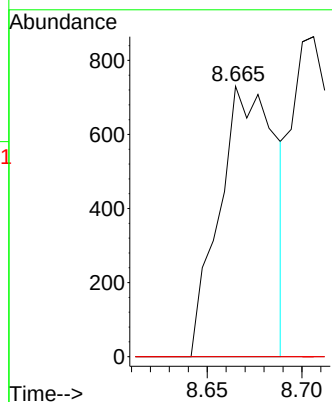
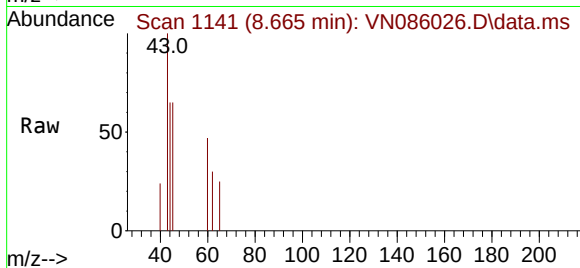




#43
Isopropyl Acetate
Concen: 0.405 ug/l
RT: 8.665 min Scan# 1144
Delta R.T. -0.018 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

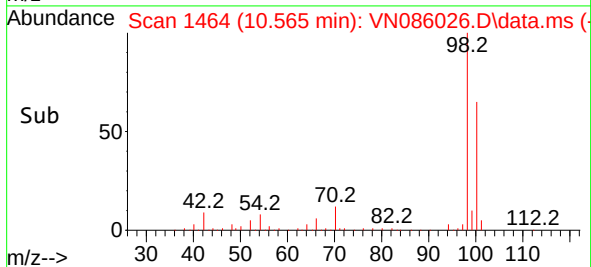
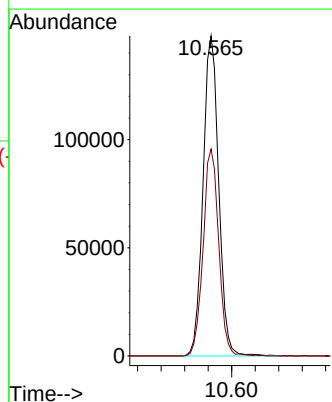
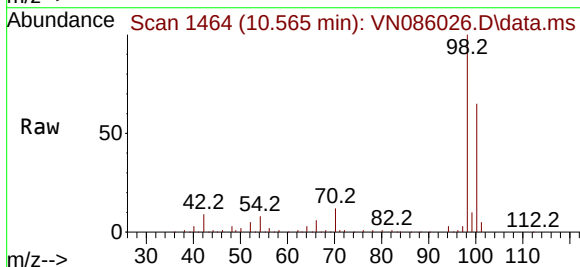
Instrument :
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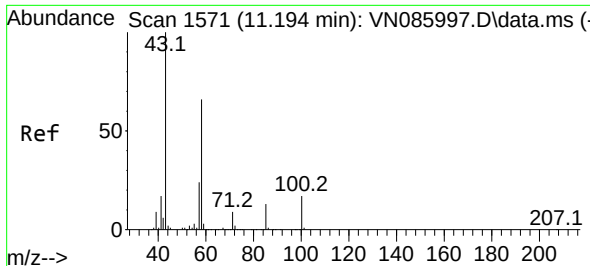
Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#



#50
Toluene-d8
Concen: 48.458 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

Tgt Ion: 98 Resp: 272679
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7

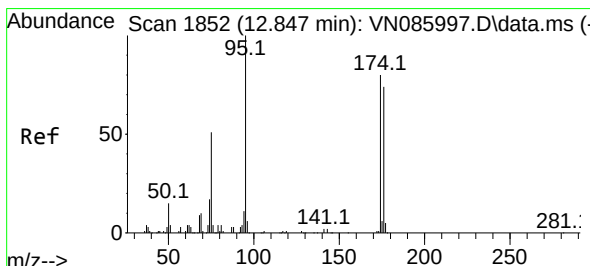
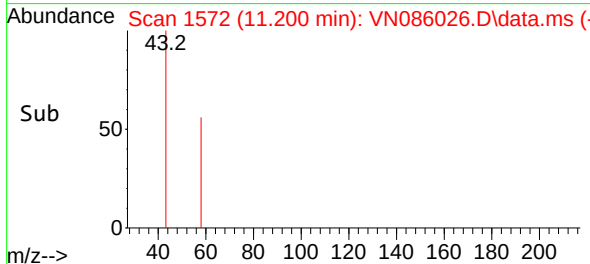
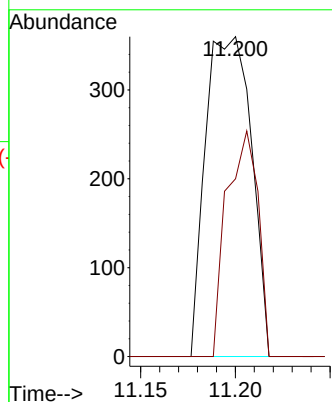
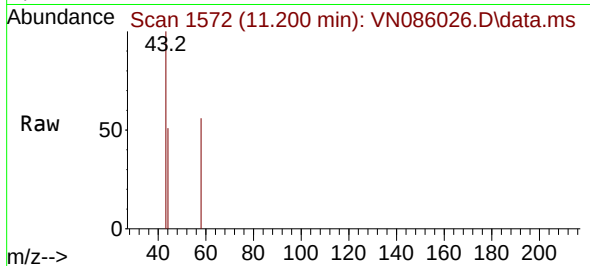




#59
2-Hexanone
Concen: 0.505 ug/l
RT: 11.200 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

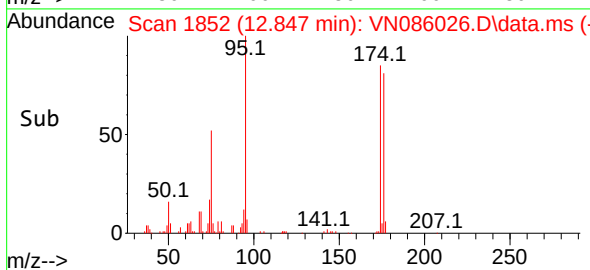
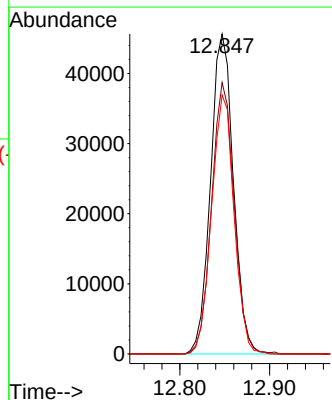
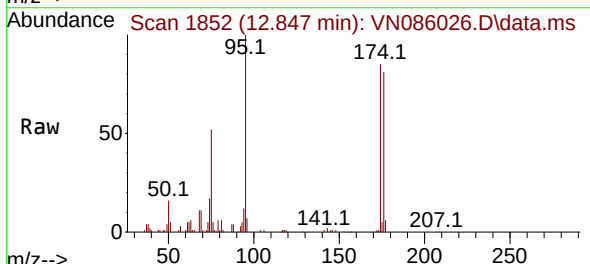
Instrument :
MSVOA_N
ClientSampleId :
VN0320MBL01

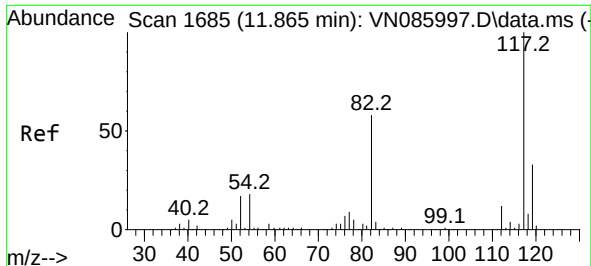
Tgt Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
58 48.0 32.4 97.2



#62
4-Bromofluorobenzene
Concen: 40.173 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

Tgt Ion: 95 Resp: 80619
Ion Ratio Lower Upper
95 100
174 84.2 0.0 156.8
176 79.7 0.0 152.2

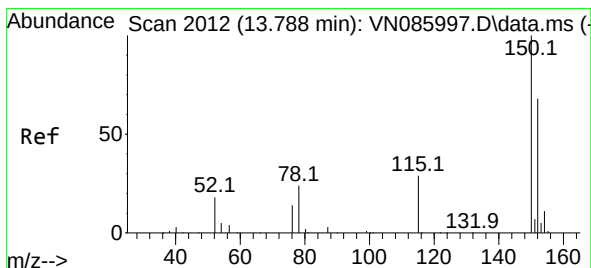
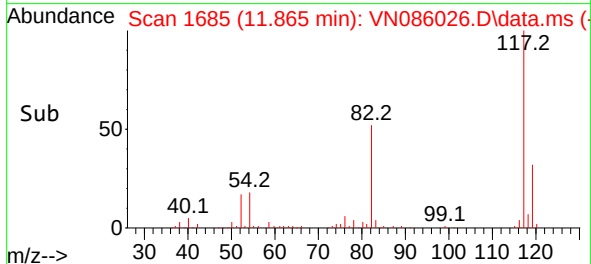
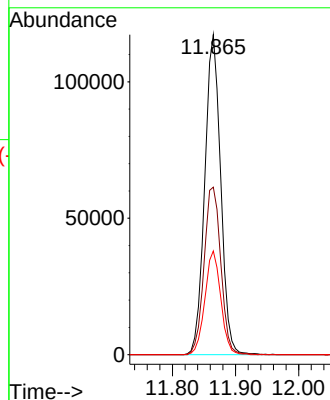
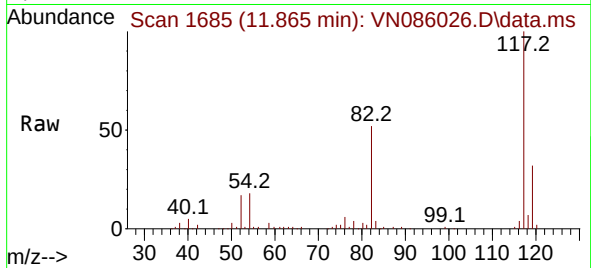




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

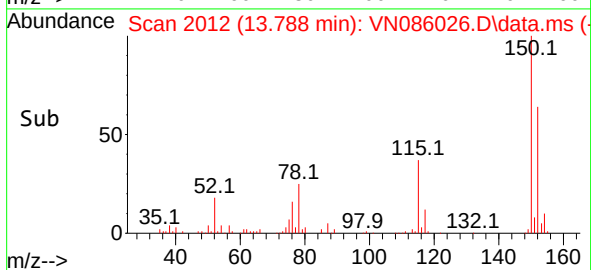
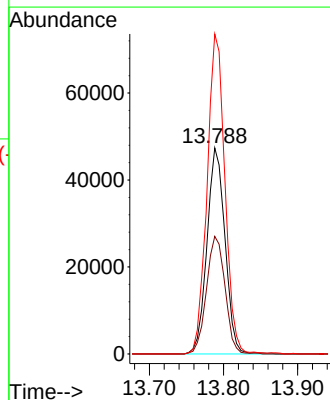
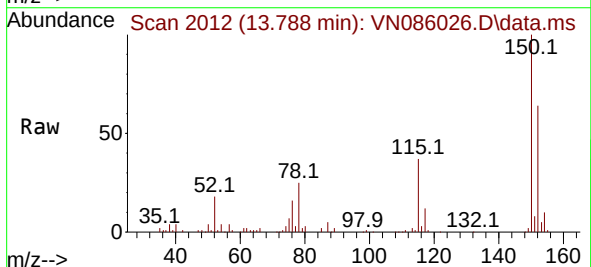
Instrument :
MSVOA_N
ClientSampleId :
VN0320MBL01

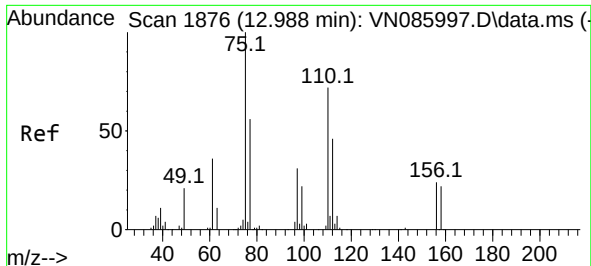
Tgt Ion:117 Resp: 205144
Ion Ratio Lower Upper
117 100
82 52.3 46.7 70.1
119 32.4 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

Tgt Ion:152 Resp: 80185
Ion Ratio Lower Upper
152 100
115 58.7 31.1 93.2
150 153.3 0.0 359.6

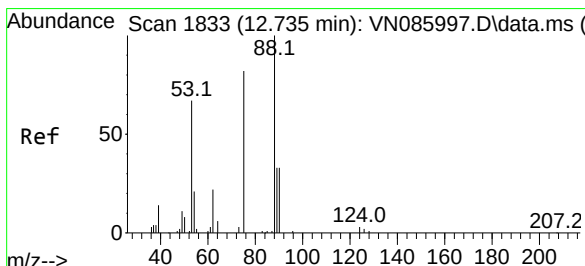
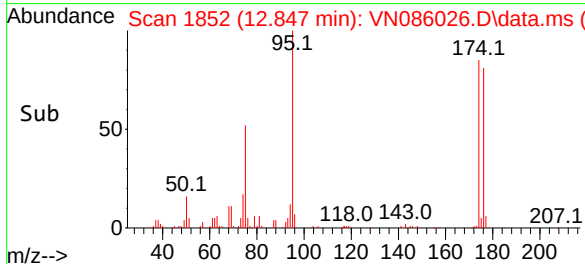
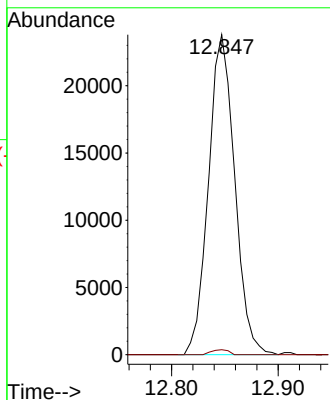
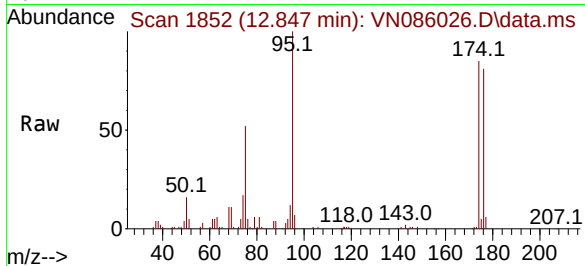




#76
1,2,3-Trichloropropane
Concen: 22.722 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

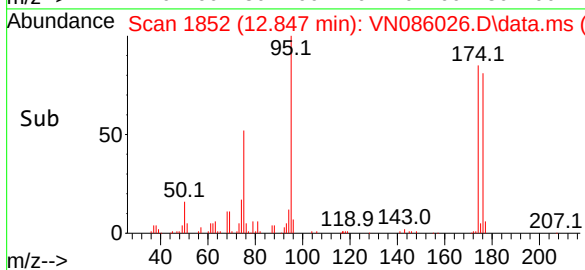
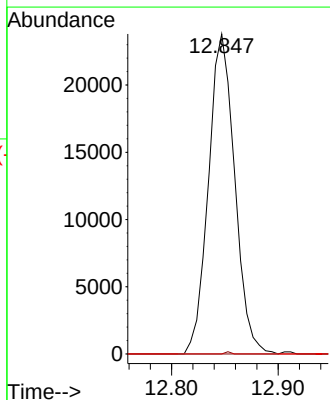
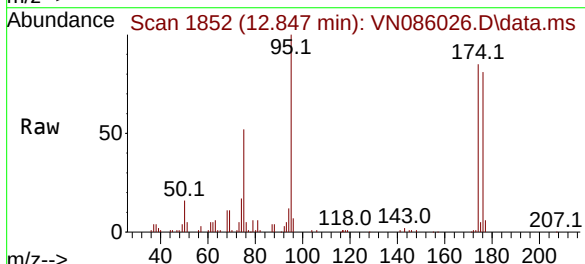
Instrument :
MSVOA_N
ClientSampleId :
VN0320MBL01

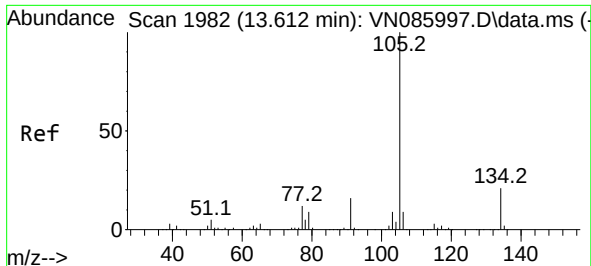
Tgt Ion: 75 Resp: 40790
Ion Ratio Lower Upper
75 100
77 1.0 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.073 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

Tgt Ion: 75 Resp: 40790
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#

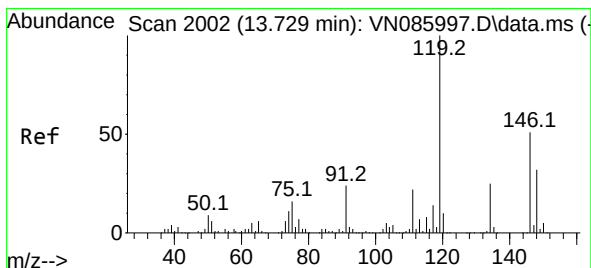
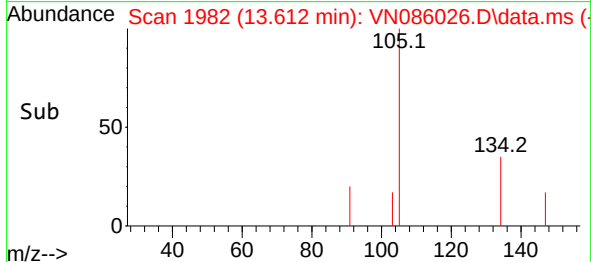
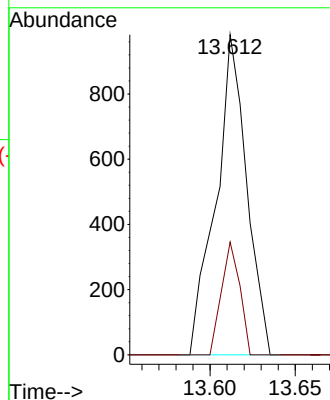
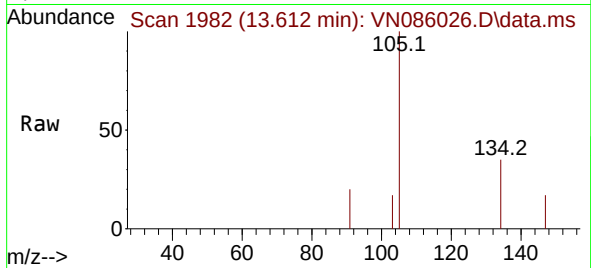




#85
 sec-Butylbenzene
 Concen: 0.239 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086026.D
 Acq: 20 Mar 2025 15:48

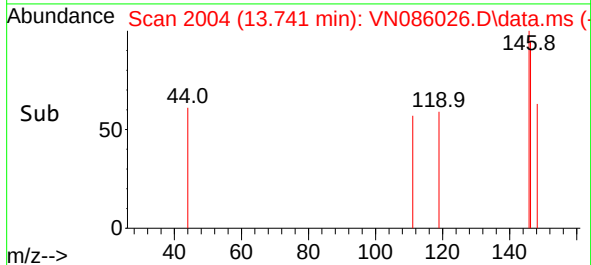
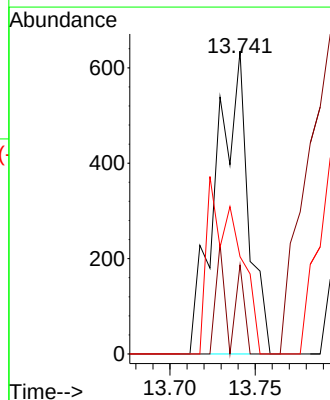
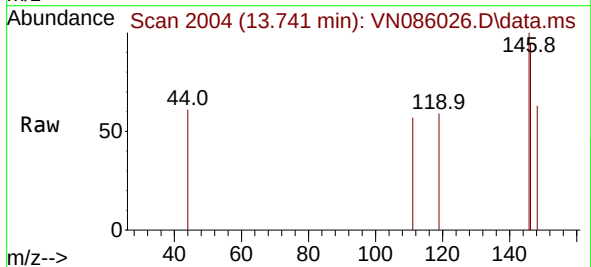
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320MBL01

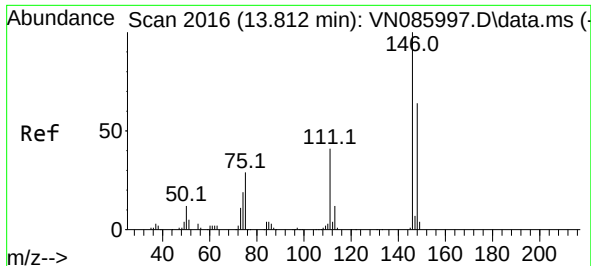
Tgt Ion:105 Resp: 1233
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.1 30.1



#87
 1,3-Dichlorobenzene
 Concen: 0.301 ug/l
 RT: 13.741 min Scan# 2004
 Delta R.T. 0.012 min
 Lab File: VN086026.D
 Acq: 20 Mar 2025 15:48

Tgt Ion:146 Resp: 828
 Ion Ratio Lower Upper
 146 100
 111 17.9 21.2 63.6#
 148 54.5 31.8 95.4

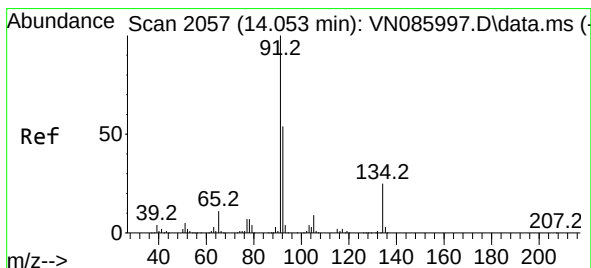
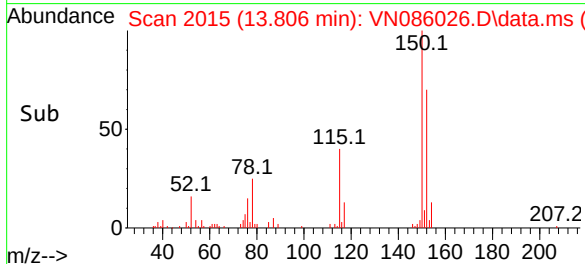
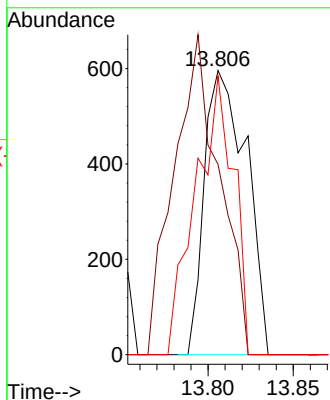
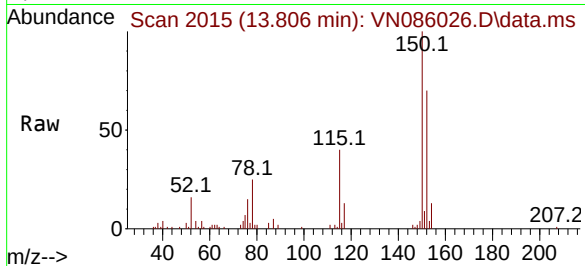




#88
1,4-Dichlorobenzene
Concen: 0.353 ug/l
RT: 13.806 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

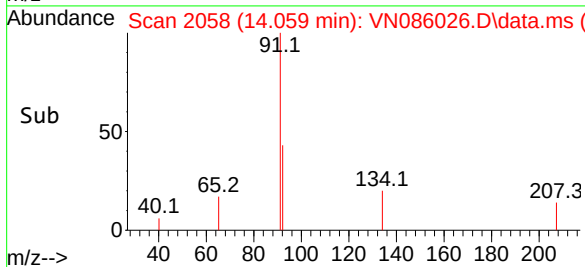
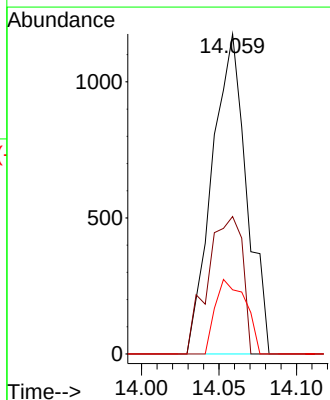
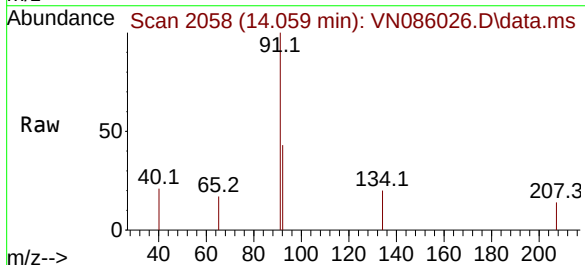
Instrument :
MSVOA_N
ClientSampleId :
VN0320MBL01

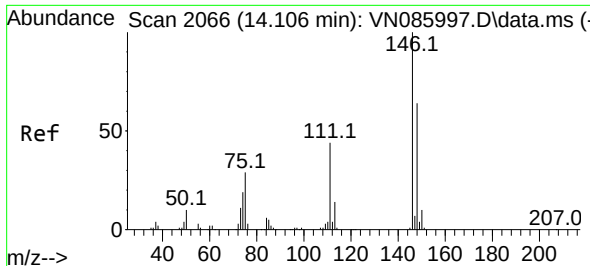
Tgt Ion:146 Resp: 1022
Ion Ratio Lower Upper
146 100
111 121.2 20.4 61.3#
148 88.6 32.1 96.5



#89
n-Butylbenzene
Concen: 0.510 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

Tgt Ion: 91 Resp: 1815
Ion Ratio Lower Upper
91 100
92 43.5 26.9 80.6
134 20.6 13.0 39.0

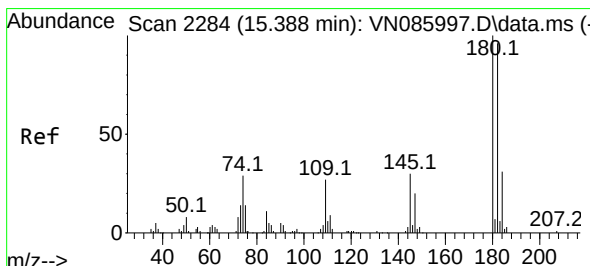
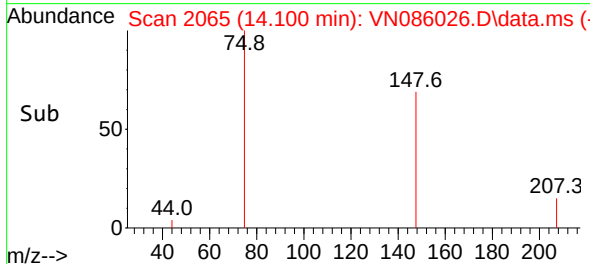
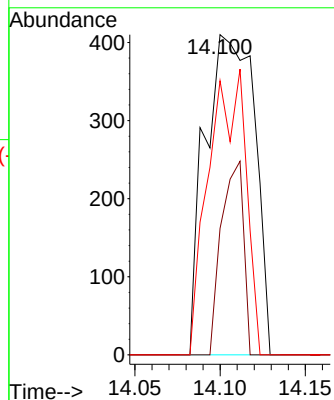
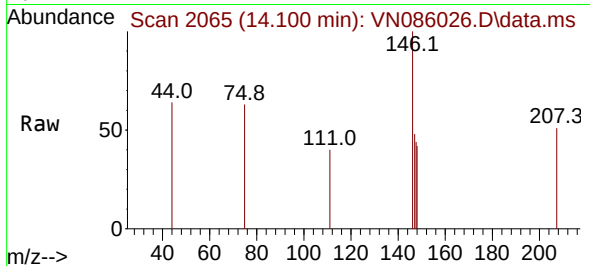




#91
1,2-Dichlorobenzene
Concen: 0.303 ug/l
RT: 14.100 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

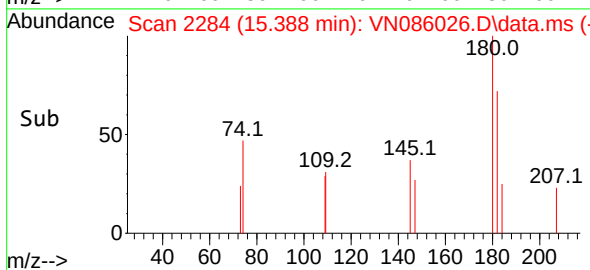
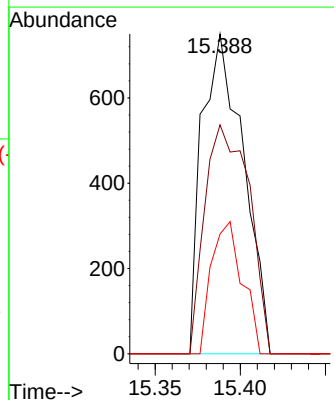
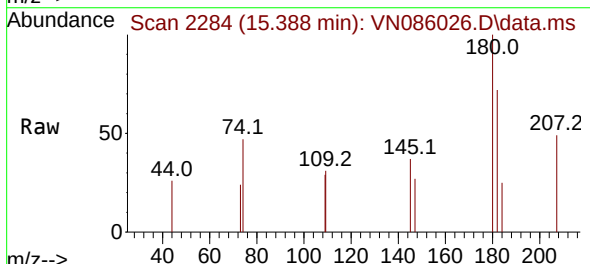
Instrument :
MSVOA_N
ClientSampleId :
VN0320MBL01

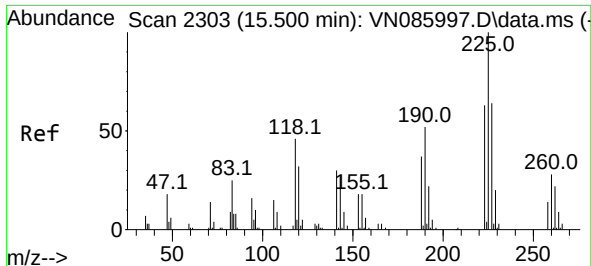
Tgt Ion:146	Resp:	828	
Ion	Ratio	Lower	Upper
146	100		
111	27.1	22.3	66.8
148	66.4	32.1	96.5



#93
1,2,4-Trichlorobenzene
Concen: 0.920 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

Tgt Ion:180	Resp:	1266	
Ion	Ratio	Lower	Upper
180	100		
182	76.9	47.0	141.0
145	30.9	15.5	46.5

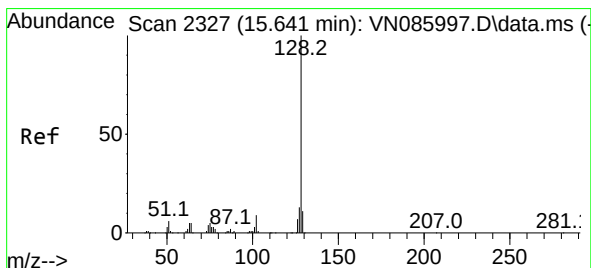
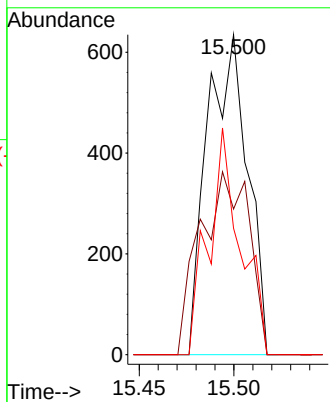
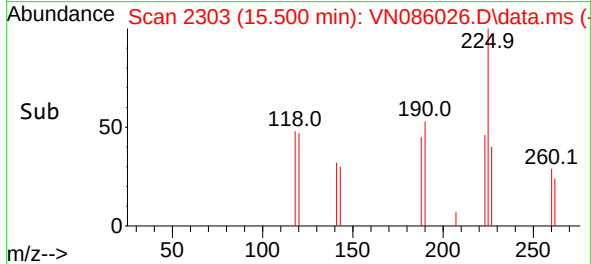
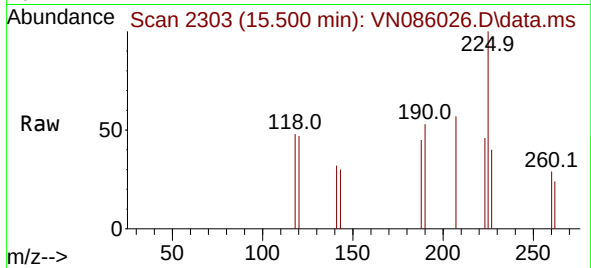




#94
Hexachlorobutadiene
Concen: 1.178 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

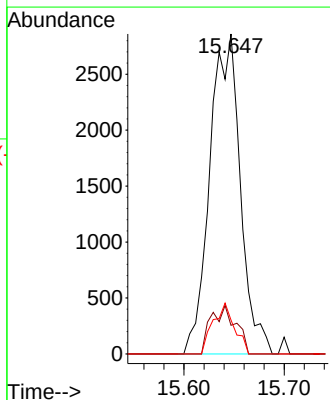
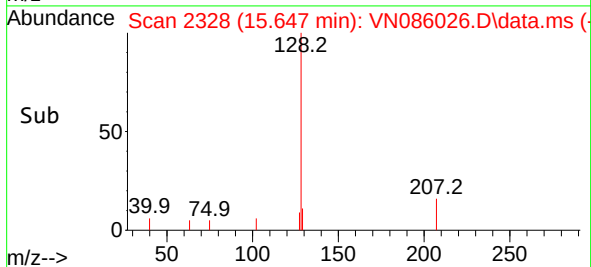
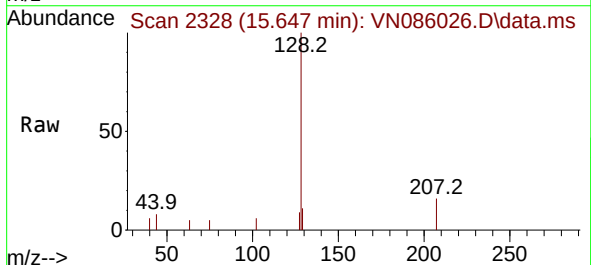
Instrument :
MSVOA_N
ClientSampleId :
VN0320MBL01

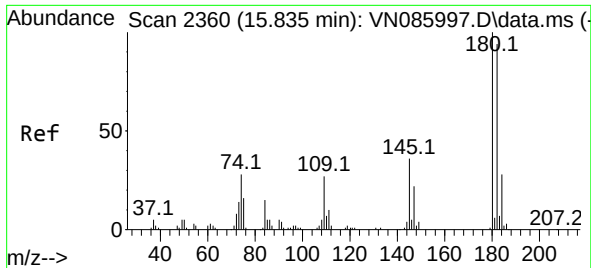
Tgt Ion:	225	Resp:	940
Ion	Ratio	Lower	Upper
225	100		
223	69.1	31.3	93.9
227	56.1	32.1	96.3



#95
Naphthalene
Concen: 1.517 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN086026.D
Acq: 20 Mar 2025 15:48

Tgt Ion:	128	Resp:	6043
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	11.2	9.0	13.6





#96
 1,2,3-Trichlorobenzene
 Concen: 1.340 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN086026.D
 Acq: 20 Mar 2025 15:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.1	47.5	142.5
145	23.5	17.7	53.1

