

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031925\
 Data File : VN086006.D
 Acq On : 19 Mar 2025 13:52
 Operator : JC\MD
 Sample : VN0319MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319MBL01

Quant Time: Mar 20 01:29:37 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)

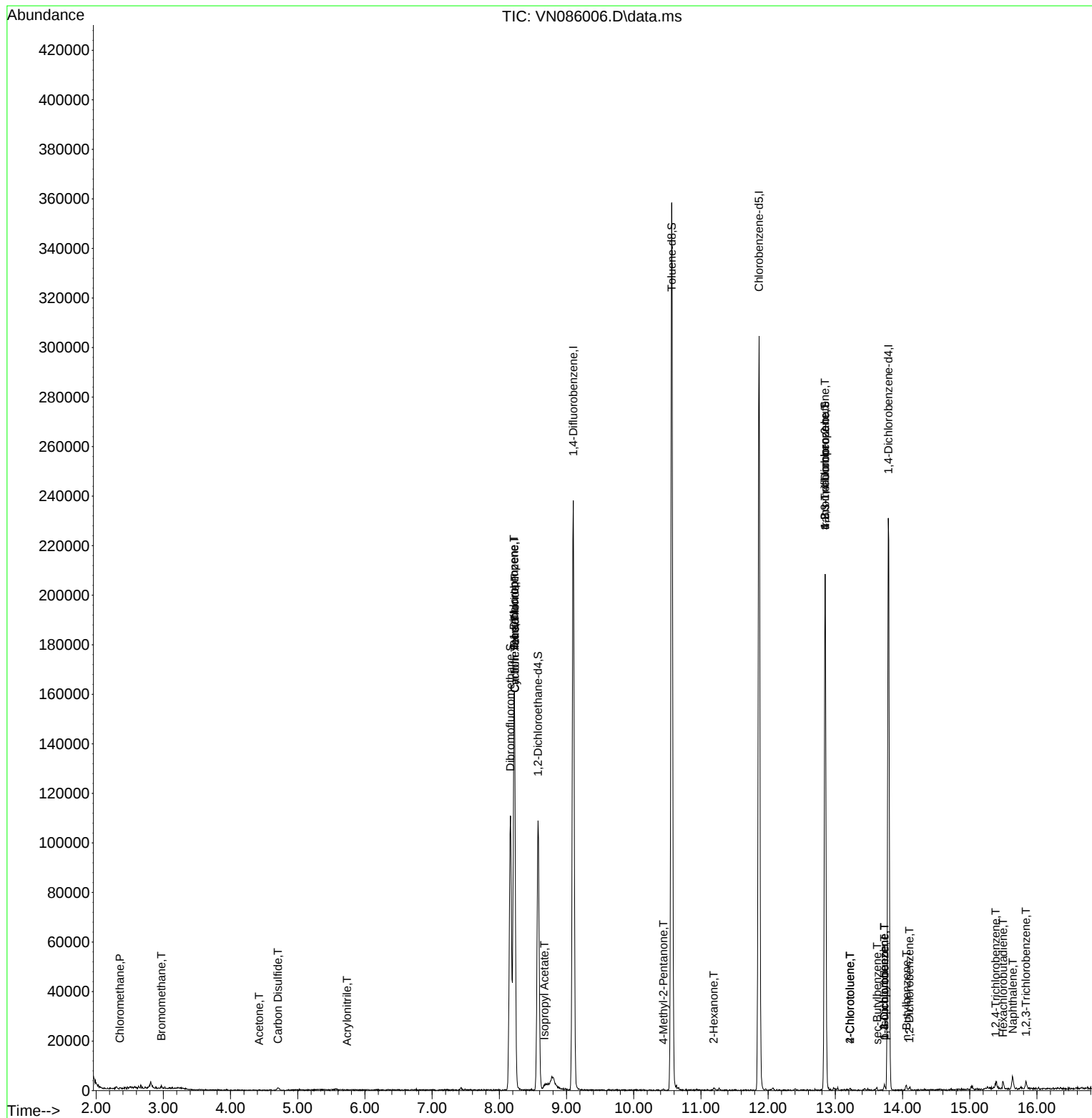
Internal Standards						
1) Pentafluorobenzene	8.224	168	118062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	207237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	180989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	66033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	93984	58.134	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.260%			
35) Dibromofluoromethane	8.165	113	78659	54.379	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.760%			
50) Toluene-d8	10.565	98	252197	48.040	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.080%			
62) 4-Bromofluorobenzene	12.847	95	73031	39.008	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 78.020%			
Target Compounds					Qvalue	
3) Chloromethane	2.354	50	614	0.448	ug/l #	42
5) Bromomethane	2.971	94	487	0.510	ug/l #	74
15) Acrylonitrile	5.736	53	131	0.217	ug/l #	19
16) Acetone	4.424	43	176	0.356	ug/l #	38
17) Carbon Disulfide	4.706	76	2095	0.527	ug/l #	74
31) Cyclohexane	8.230	56	2606	1.294	ug/l #	26
36) 1,1-Dichloropropene	8.218	75	9136	4.797	ug/l #	49
38) Carbon Tetrachloride	8.230	117	12384	4.945	ug/l #	16
43) Isopropyl Acetate	8.671	43	763	0.219	ug/l #	50
51) 4-Methyl-2-Pentanone	10.441	43	456	0.297	ug/l #	30
59) 2-Hexanone	11.188	43	691	0.618	ug/l	75
76) 1,2,3-Trichloropropane	12.847	75	36679	24.811	ug/l #	1
79) 2-Chlorotoluene	13.218	91	820	0.242	ug/l	78
81) trans-1,4-Dichloro-2-b...	12.847	75	36679	65.595	ug/l #	16
82) 4-Chlorotoluene	13.218	91	820	0.235	ug/l	79
85) sec-Butylbenzene	13.623	105	1056	0.249	ug/l	85
86) p-Isopropyltoluene	13.729	119	829	0.231	ug/l #	59
87) 1,3-Dichlorobenzene	13.729	146	896	0.395	ug/l	93
88) 1,4-Dichlorobenzene	13.729	146	896	0.376	ug/l	94
89) n-Butylbenzene	14.059	91	1797	0.614	ug/l	84
91) 1,2-Dichlorobenzene	14.100	146	840	0.373	ug/l #	64
93) 1,2,4-Trichlorobenzene	15.388	180	1231	1.087	ug/l #	77
94) Hexachlorobutadiene	15.494	225	895	1.362	ug/l	97
95) Naphthalene	15.641	128	5807	1.770	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	1485	1.381	ug/l	86

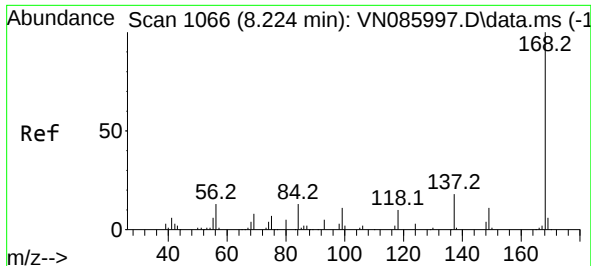
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031925\
Data File : VN086006.D
Acq On : 19 Mar 2025 13:52
Operator : JC\MD
Sample : VN0319MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

Quant Time: Mar 20 01:29:37 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

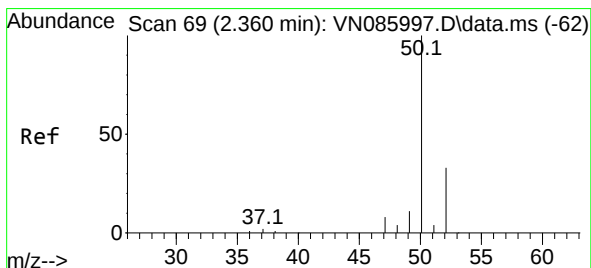
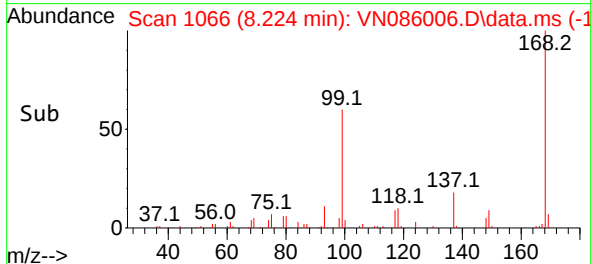
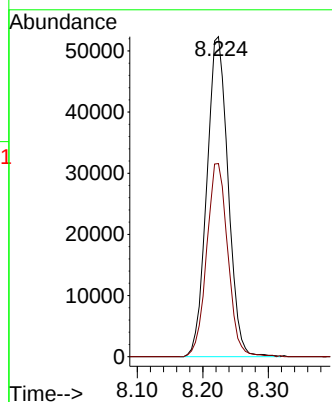
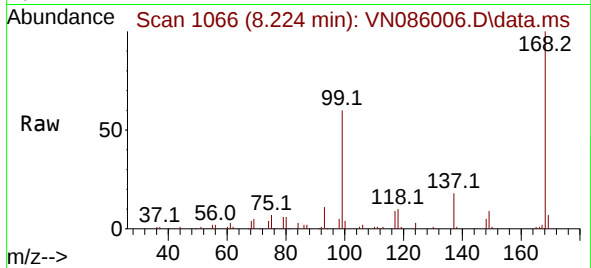




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

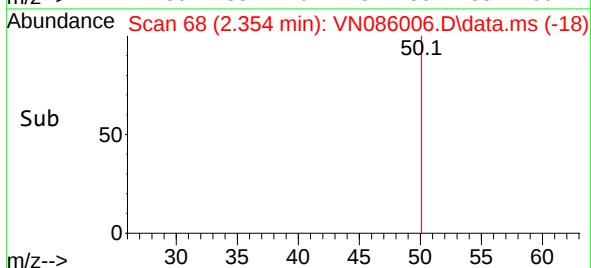
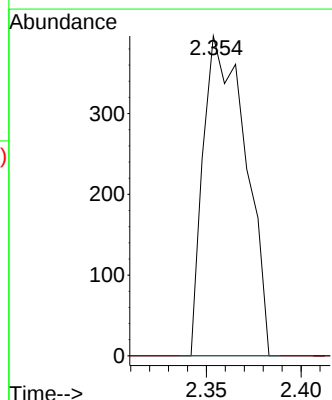
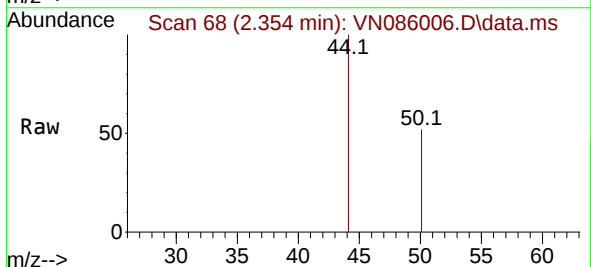
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

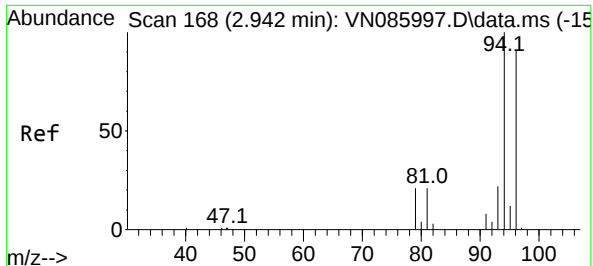
Tgt Ion:168 Resp: 118062
Ion Ratio Lower Upper
168 100
99 60.3 49.4 74.2



#3
Chloromethane
Concen: 0.448 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

Tgt Ion: 50 Resp: 614
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

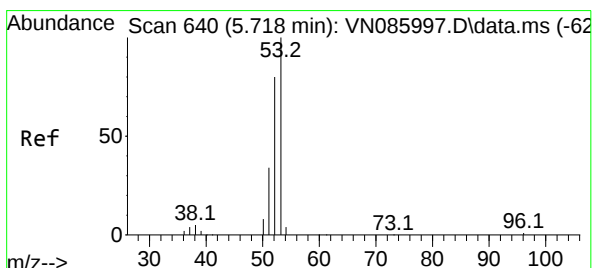
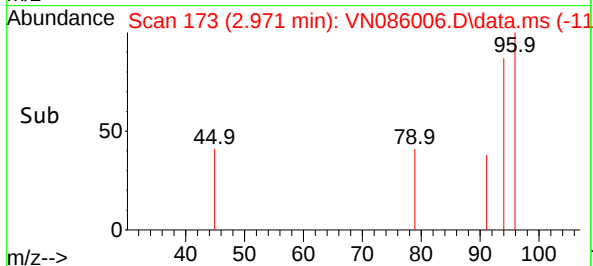
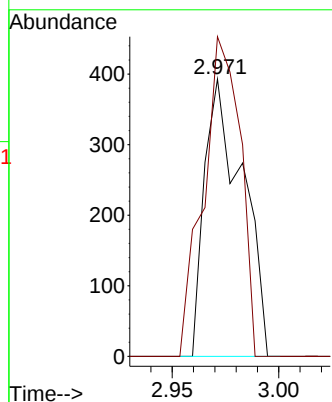
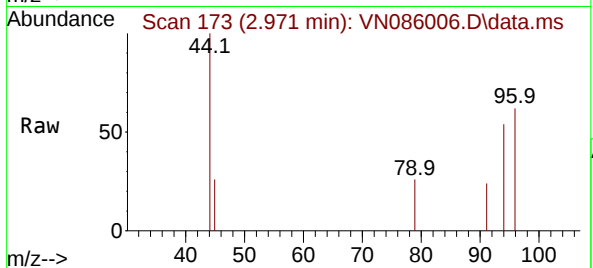




#5
Bromomethane
Concen: 0.510 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

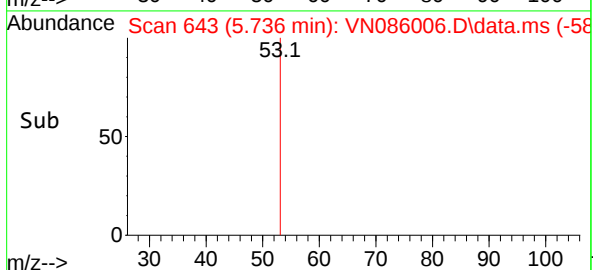
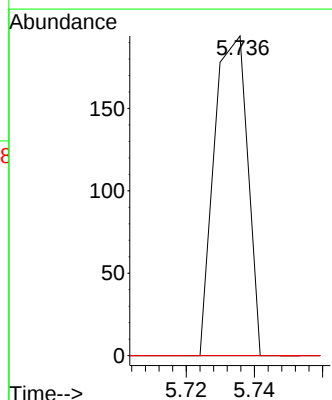
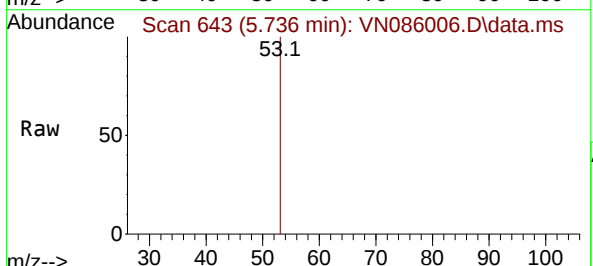
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

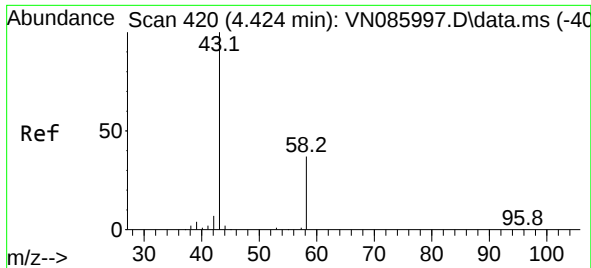
Tgt Ion: 94 Resp: 487
Ion Ratio Lower Upper
94 100
96 115.3 72.8 109.2#



#15
Acrylonitrile
Concen: 0.217 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.018 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

Tgt Ion: 53 Resp: 131
Ion Ratio Lower Upper
53 100
52 0.0 63.9 95.9#
51 0.0 27.1 40.7#





#16

Acetone

Concen: 0.356 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN086006.D

Acq: 19 Mar 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

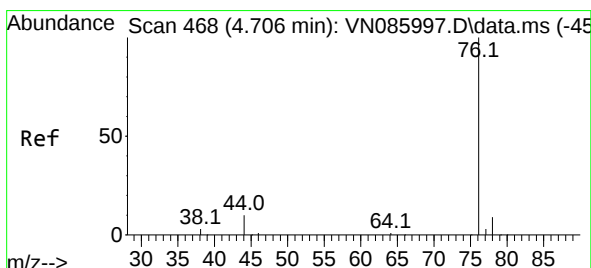
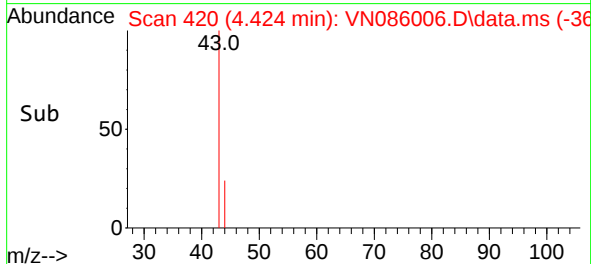
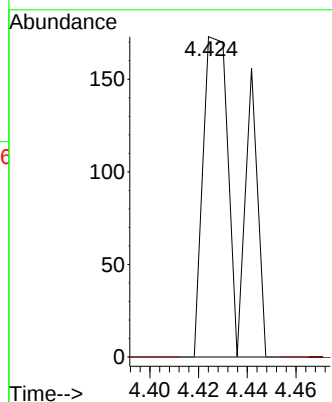
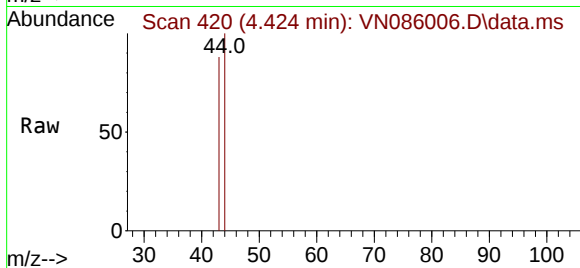
VN0319MBL01

Tgt Ion: 43 Resp: 176

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.2#



#17

Carbon Disulfide

Concen: 0.527 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.000 min

Lab File: VN086006.D

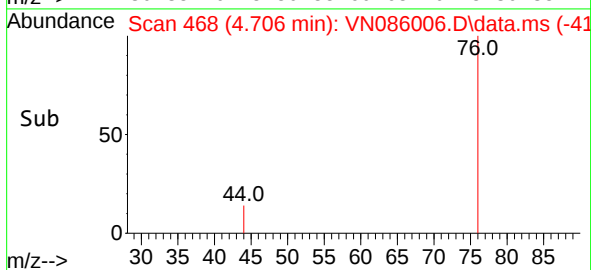
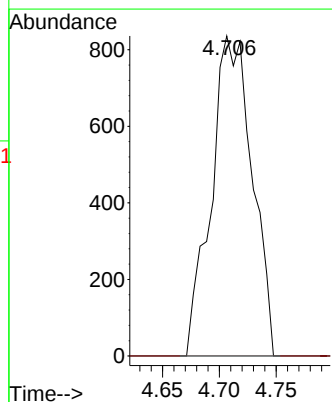
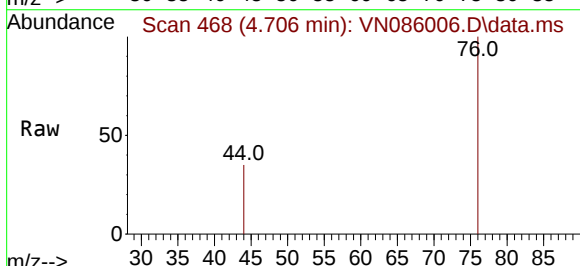
Acq: 19 Mar 2025 13:52

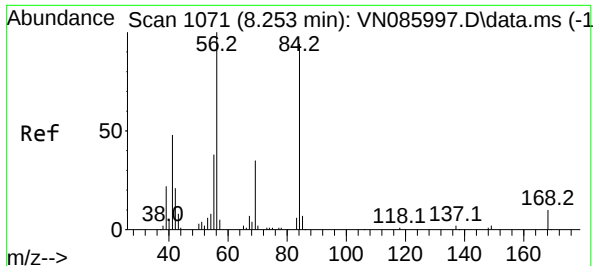
Tgt Ion: 76 Resp: 2095

Ion Ratio Lower Upper

76 100

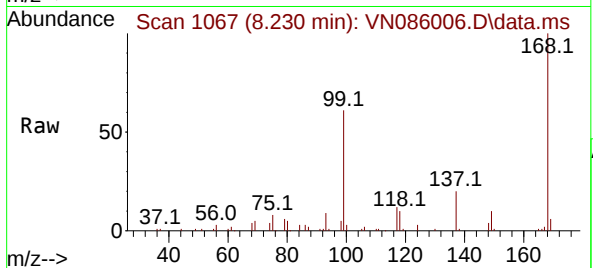
78 0.0 7.4 11.2#



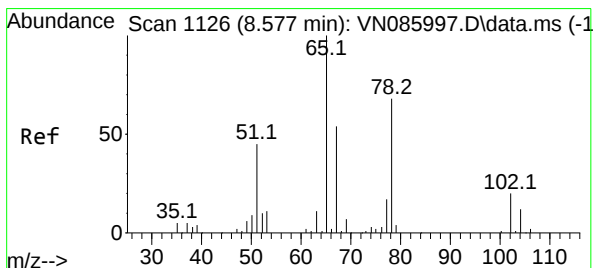
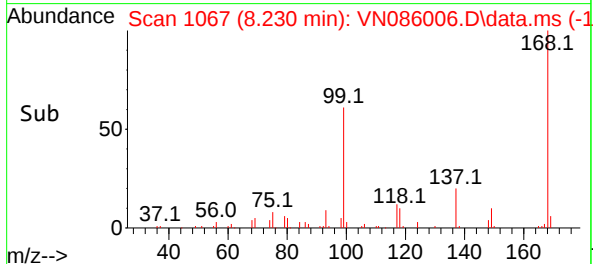
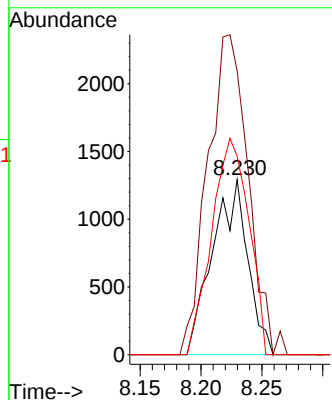


#31
Cyclohexane
Concen: 1.294 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

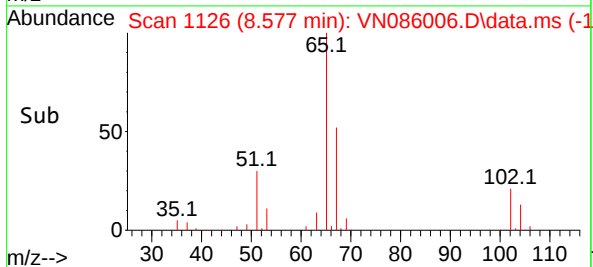
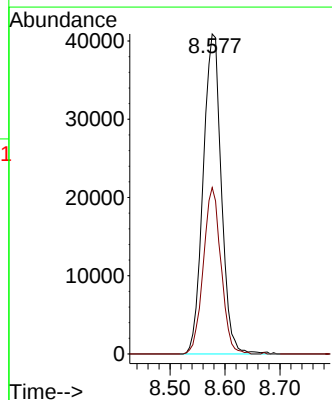
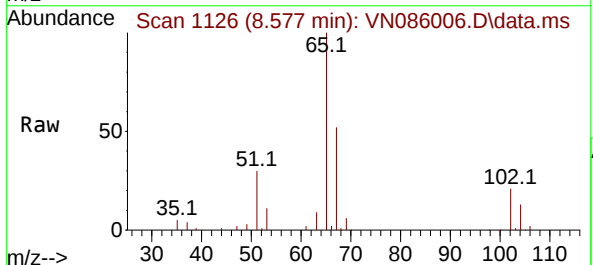


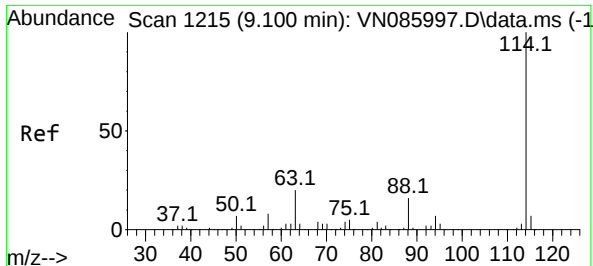
Tgt Ion: 56 Resp: 2606
Ion Ratio Lower Upper
56 100
69 162.1 28.0 42.0#
84 113.3 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 58.134 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

Tgt Ion: 65 Resp: 93984
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.2

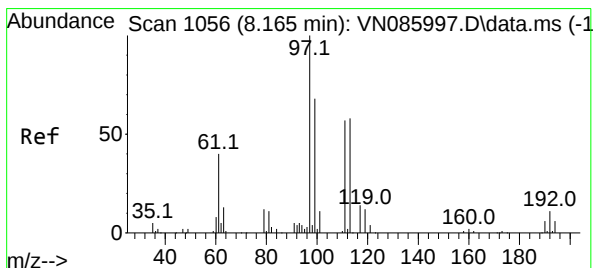
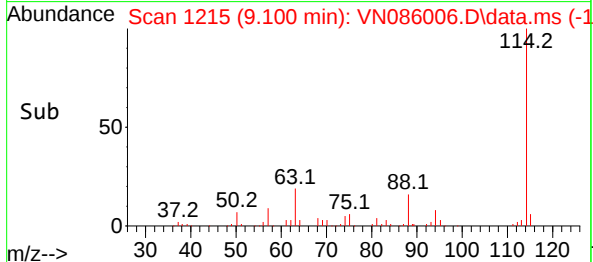
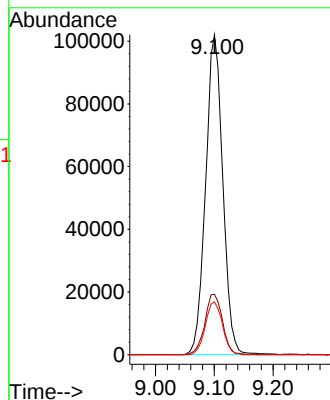
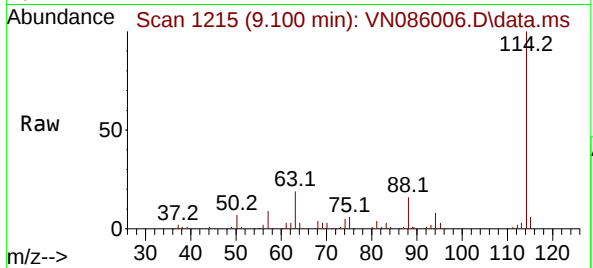




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

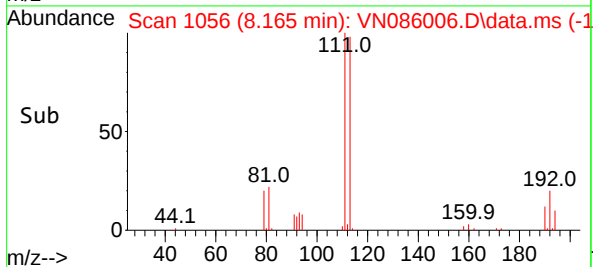
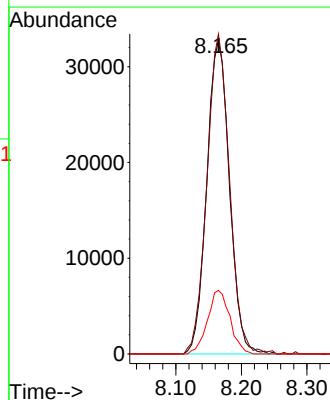
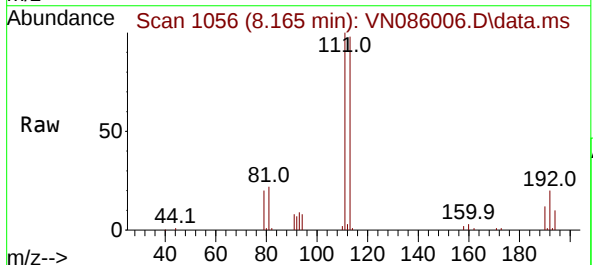
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

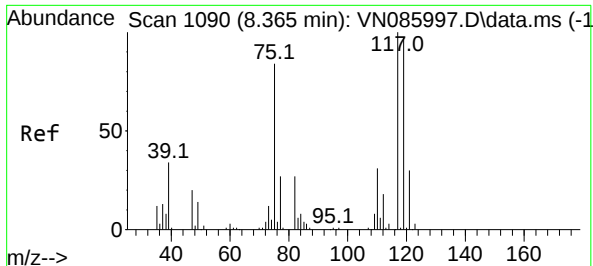
Tgt Ion:114 Resp: 207237
Ion Ratio Lower Upper
114 100
63 18.9 0.0 39.6
88 16.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 54.379 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

Tgt Ion:113 Resp: 78659
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.8
192 20.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.797 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086006.D

Acq: 19 Mar 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0319MBL01

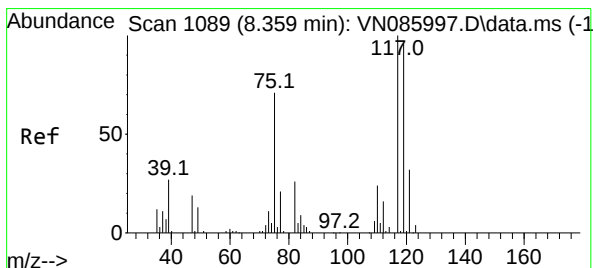
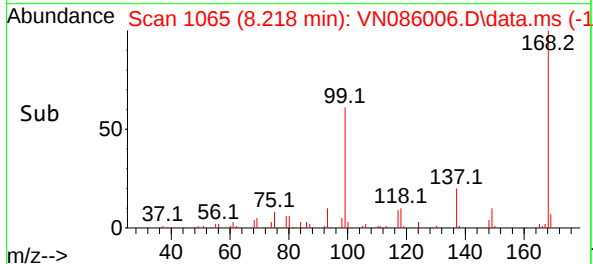
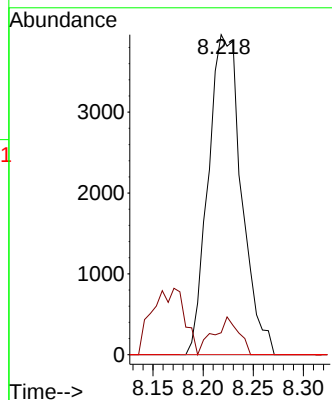
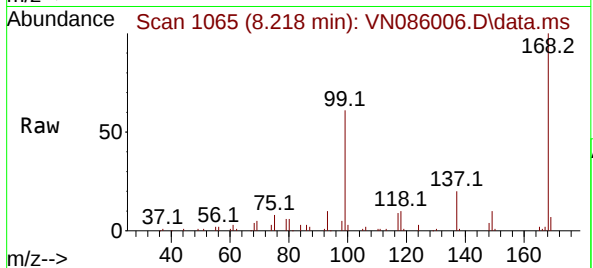
Tgt Ion: 75 Resp: 9136

Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.945 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN086006.D

Acq: 19 Mar 2025 13:52

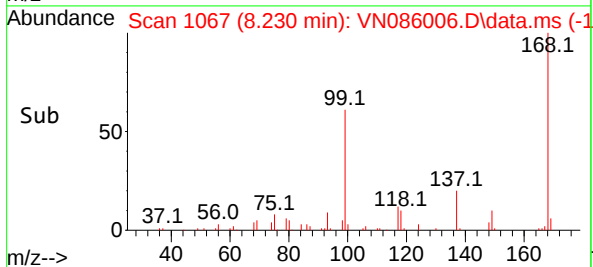
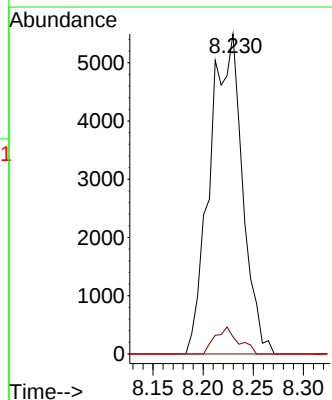
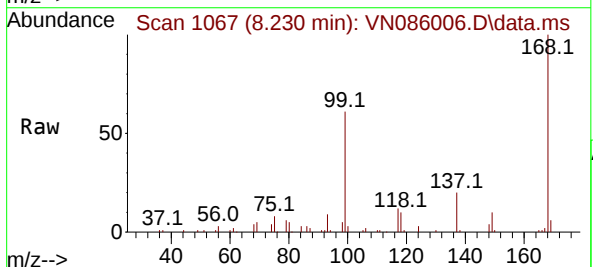
Tgt Ion: 117 Resp: 12384

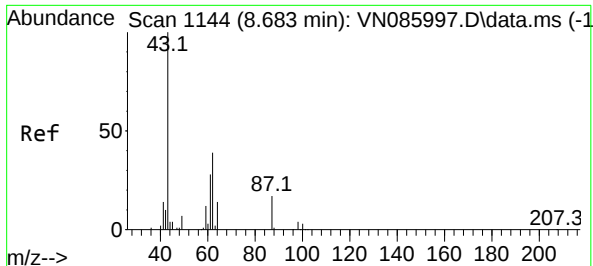
Ion Ratio Lower Upper

117 100

119 5.3 77.0 115.4#

121 0.0 25.6 38.4#

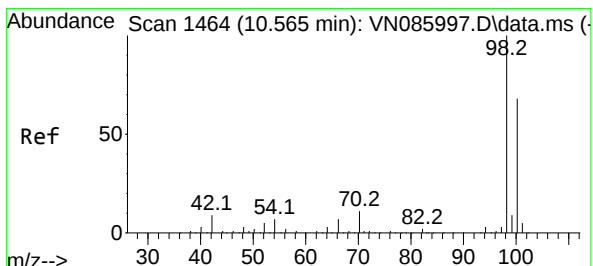
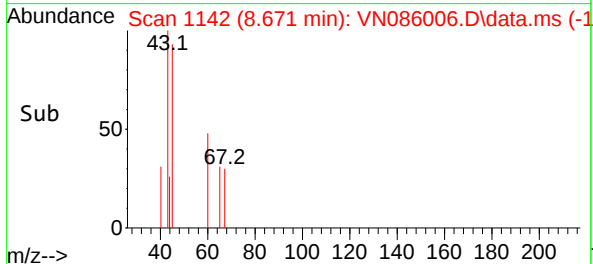
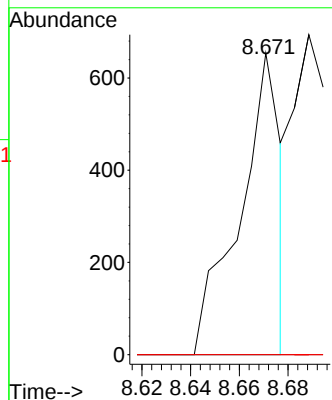
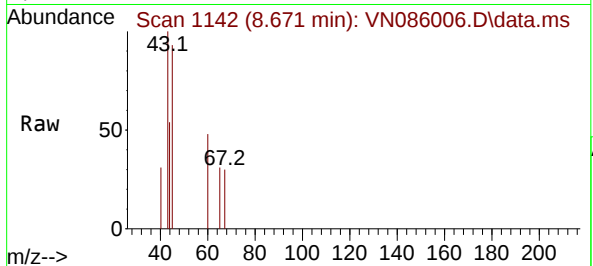




#43
Isopropyl Acetate
Concen: 0.219 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.012 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

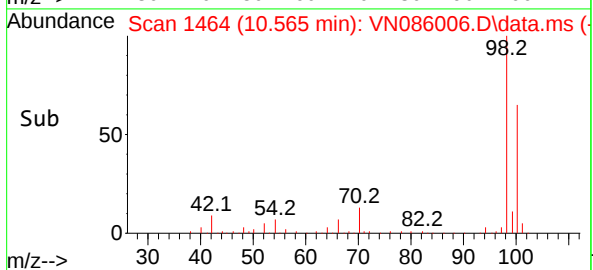
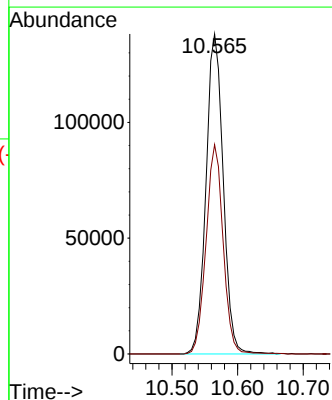
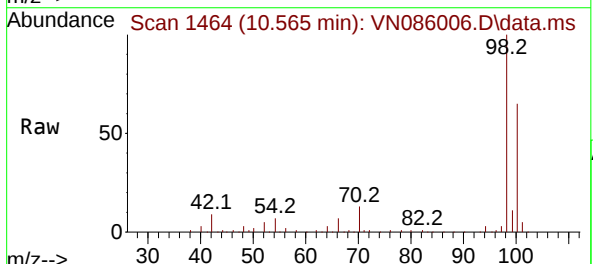
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

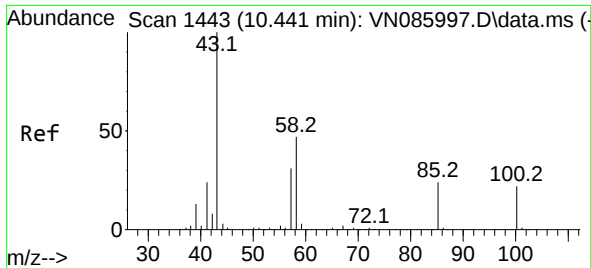
Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#



#50
Toluene-d8
Concen: 48.040 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

Tgt Ion: 98 Resp: 252197
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7

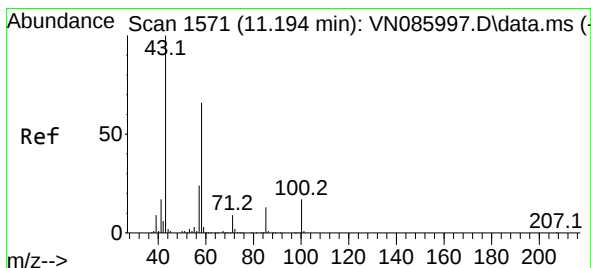
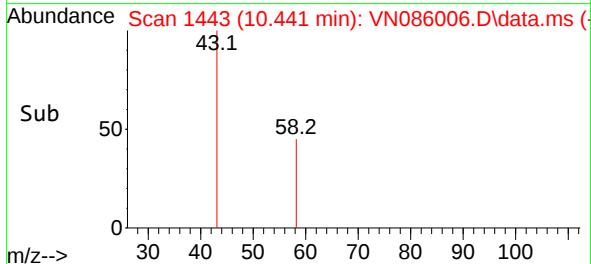
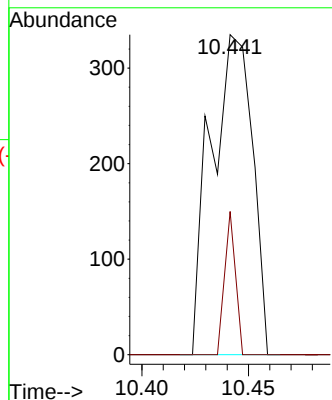
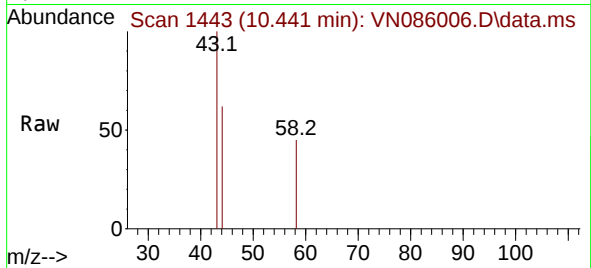




#51
4-Methyl-2-Pentanone
Concen: 0.297 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

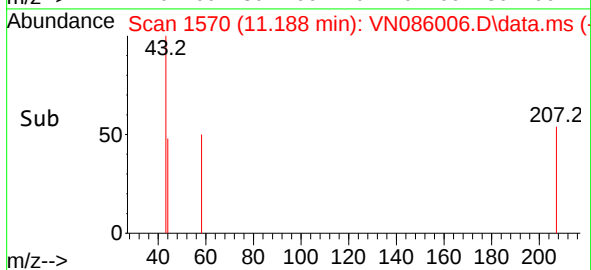
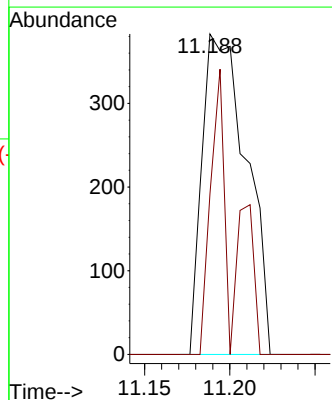
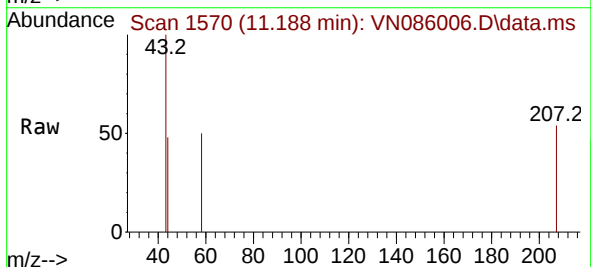
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

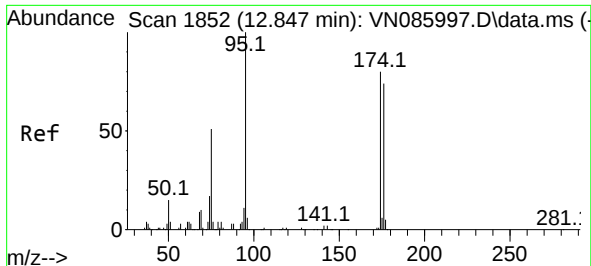
Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
58 0.0 37.4 56.0#



#59
2-Hexanone
Concen: 0.618 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

Tgt Ion: 43 Resp: 691
Ion Ratio Lower Upper
43 100
58 45.2 32.4 97.2

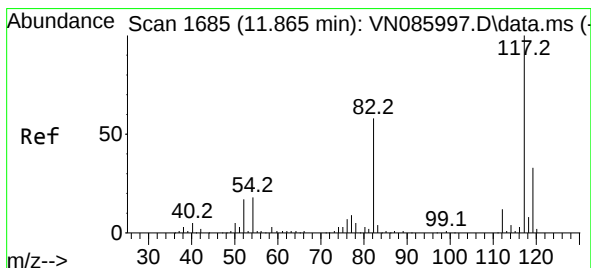
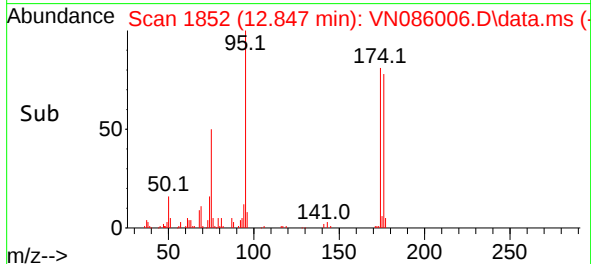
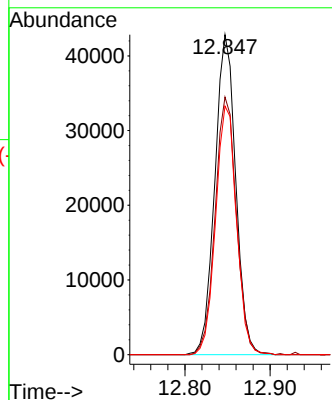
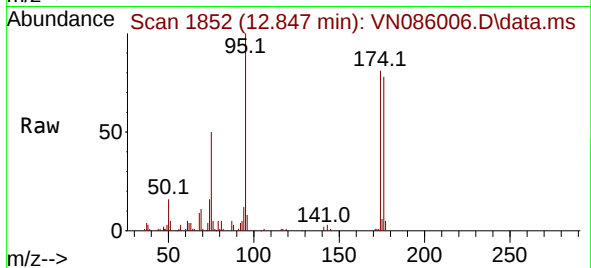




#62
4-Bromofluorobenzene
Concen: 39.008 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

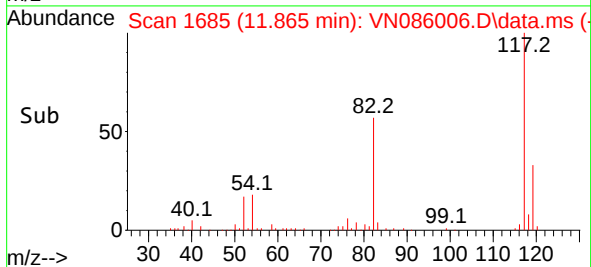
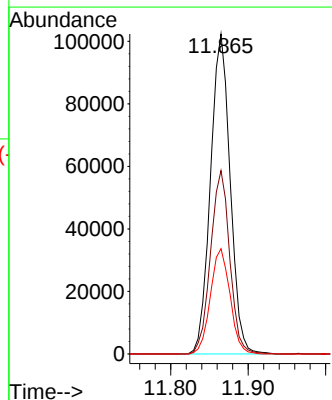
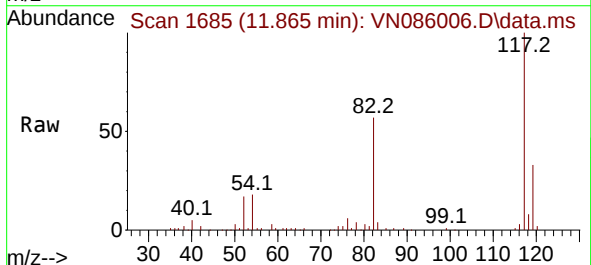
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

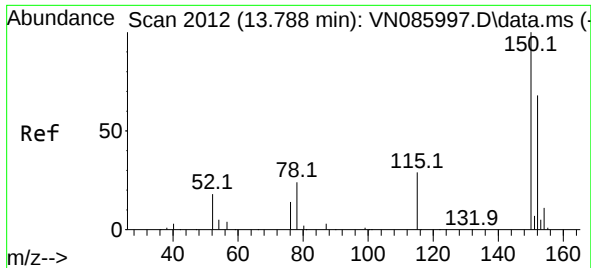
Tgt Ion: 95 Resp: 73031
Ion Ratio Lower Upper
95 100
174 81.9 0.0 156.8
176 77.6 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

Tgt Ion: 117 Resp: 180989
Ion Ratio Lower Upper
117 100
82 57.3 46.7 70.1
119 32.9 26.5 39.7

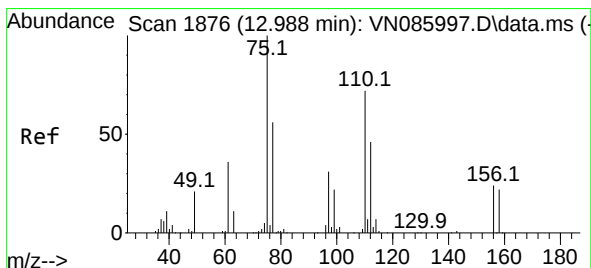
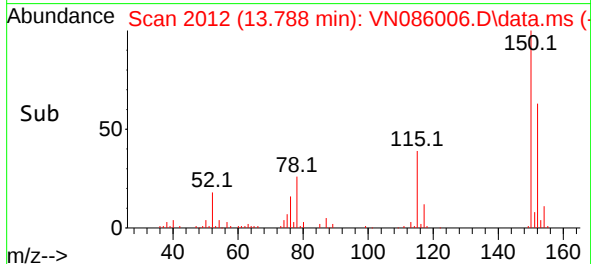
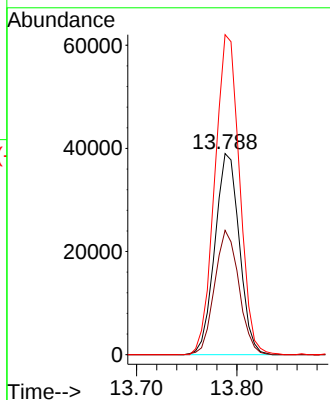
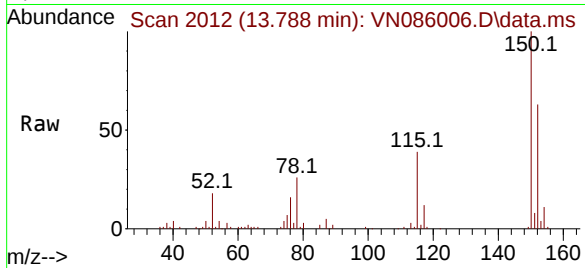




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086006.D
 Acq: 19 Mar 2025 13:52

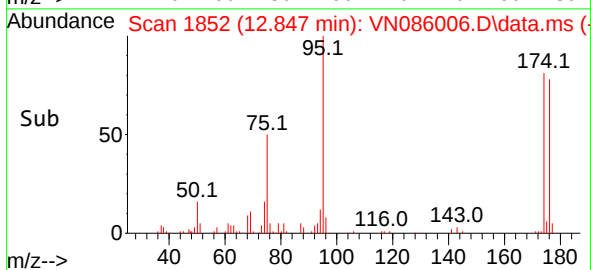
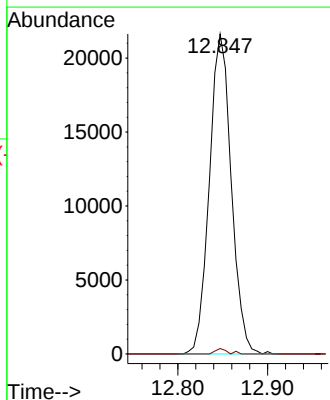
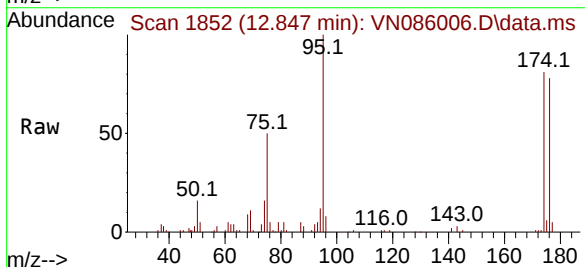
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319MBL01

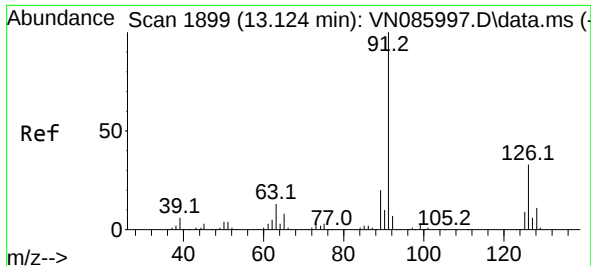
Tgt Ion:152 Resp: 66033
 Ion Ratio Lower Upper
 152 100
 115 61.4 31.1 93.2
 150 160.7 0.0 359.6



#76
 1,2,3-Trichloropropane
 Concen: 24.811 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086006.D
 Acq: 19 Mar 2025 13:52

Tgt Ion: 75 Resp: 36679
 Ion Ratio Lower Upper
 75 100
 77 1.0 83.7 251.0#

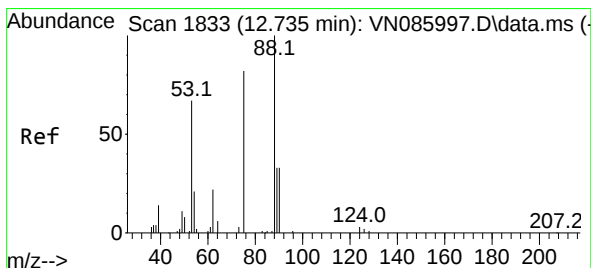
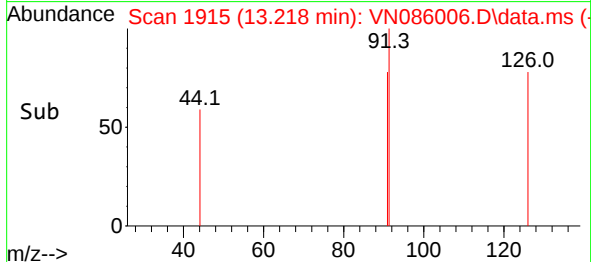
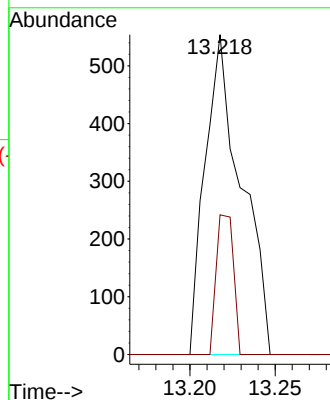
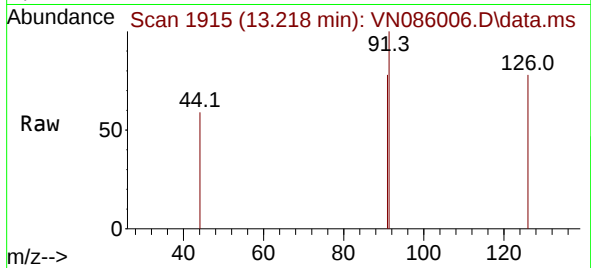




#79
2-Chlorotoluene
Concen: 0.242 ug/l
RT: 13.218 min Scan# 1899
Delta R.T. 0.094 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

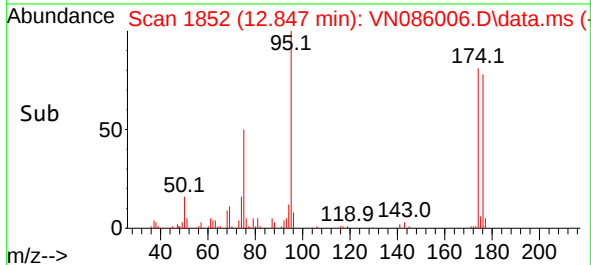
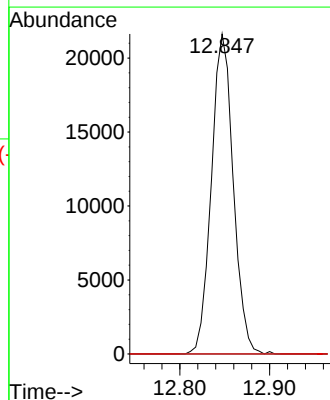
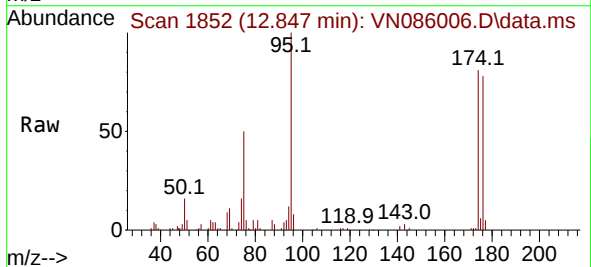
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

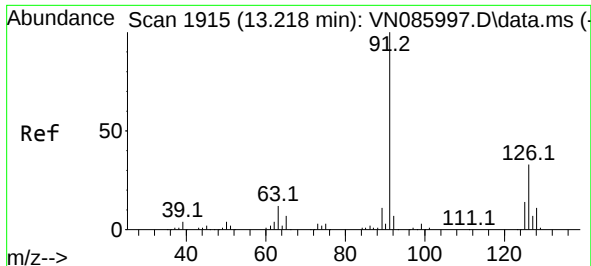
Tgt Ion: 91 Resp: 820
Ion Ratio Lower Upper
91 100
126 20.6 16.4 49.2



#81
trans-1,4-Dichloro-2-butene
Concen: 65.595 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

Tgt Ion: 75 Resp: 36679
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#

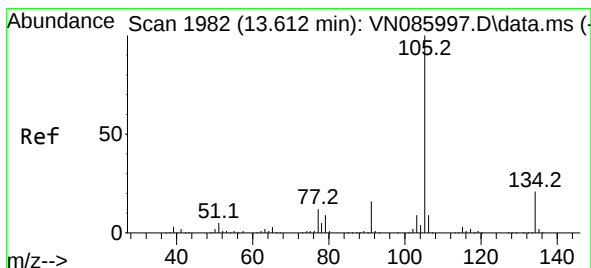
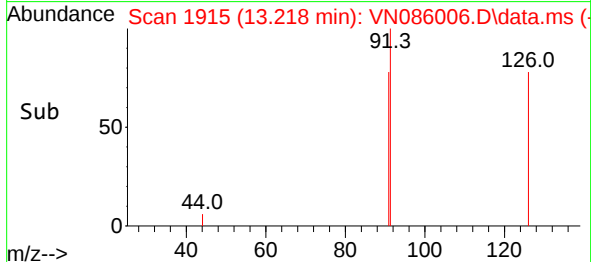
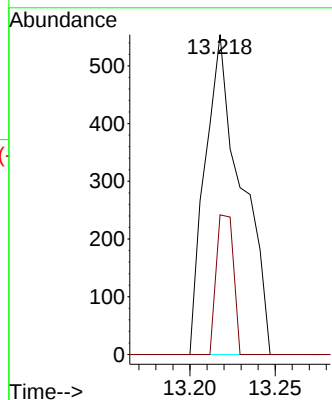
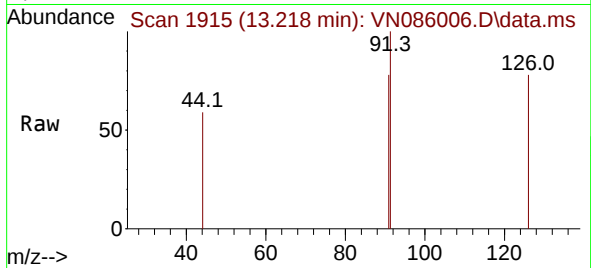




#82
4-Chlorotoluene
Concen: 0.235 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

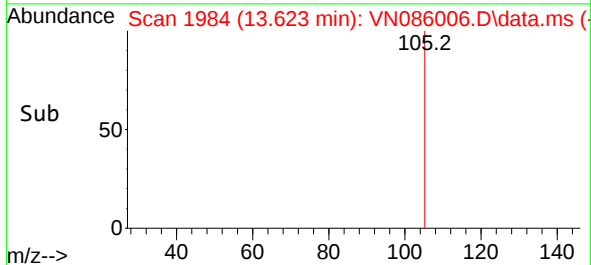
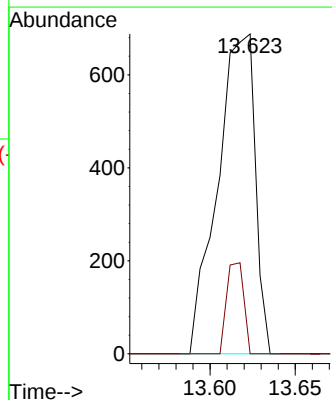
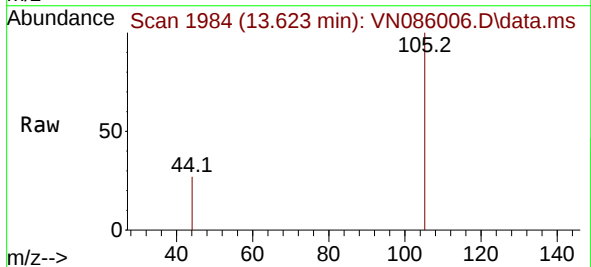
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

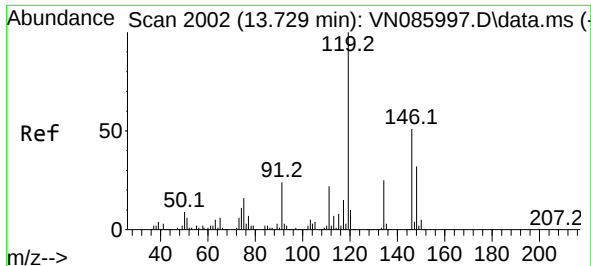
Tgt Ion: 91 Resp: 820
Ion Ratio Lower Upper
91 100
126 20.6 16.1 48.2



#85
sec-Butylbenzene
Concen: 0.249 ug/l
RT: 13.623 min Scan# 1984
Delta R.T. 0.012 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

Tgt Ion: 105 Resp: 1056
Ion Ratio Lower Upper
105 100
134 13.0 10.1 30.1

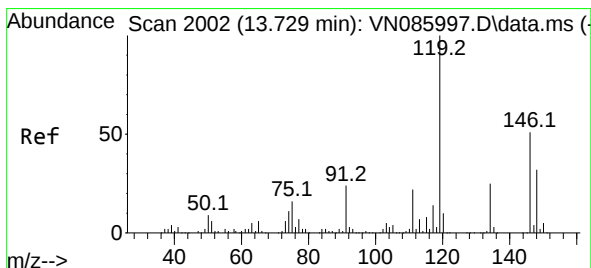
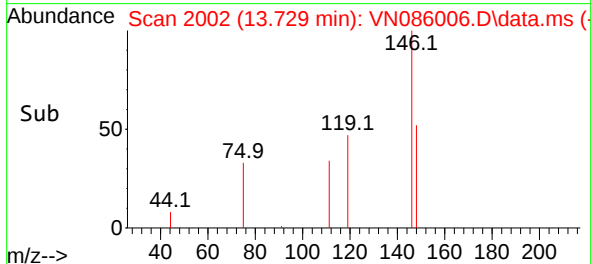
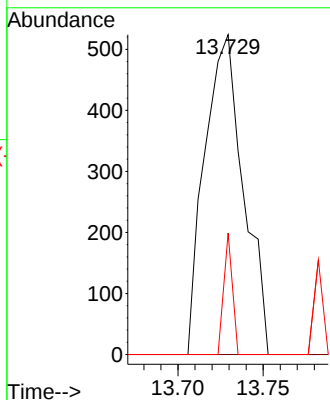
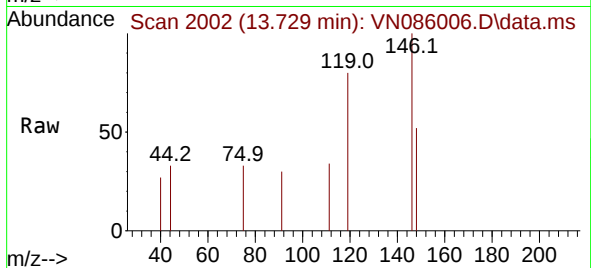




#86
 p-Isopropyltoluene
 Concen: 0.231 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN086006.D
 Acq: 19 Mar 2025 13:52

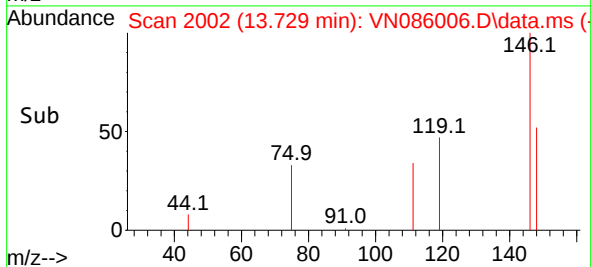
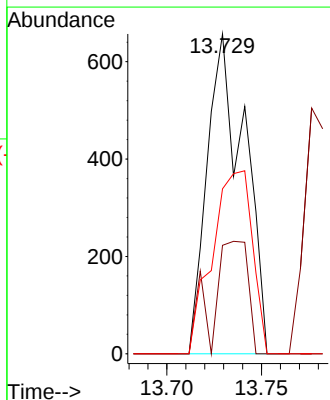
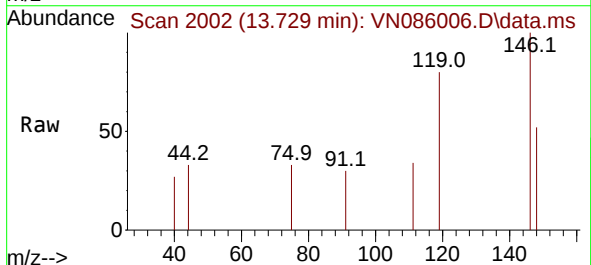
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319MBL01

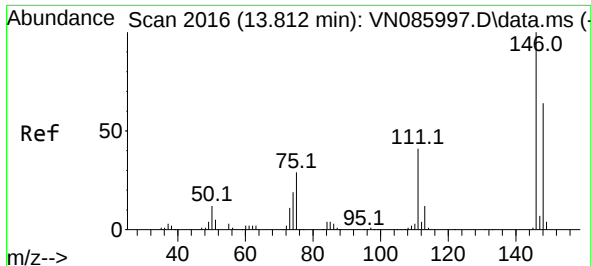
Tgt Ion:	119	Resp:	829
Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.6	37.8#
91	8.4	12.3	36.8#



#87
 1,3-Dichlorobenzene
 Concen: 0.395 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN086006.D
 Acq: 19 Mar 2025 13:52

Tgt Ion:	146	Resp:	896
Ion	Ratio	Lower	Upper
146	100		
111	33.6	21.2	63.6
148	61.9	31.8	95.4

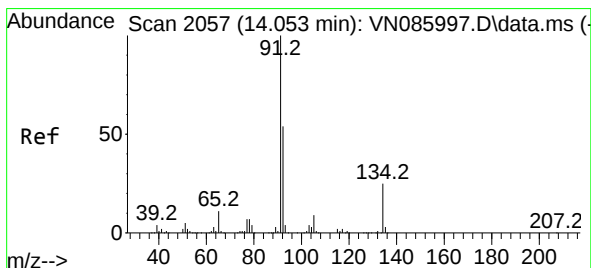
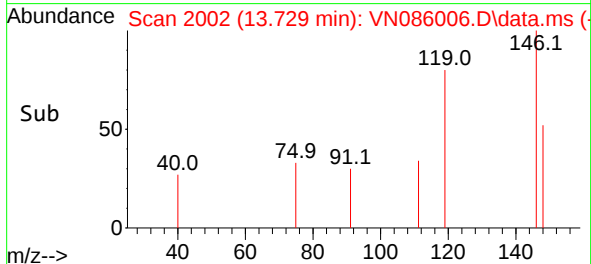
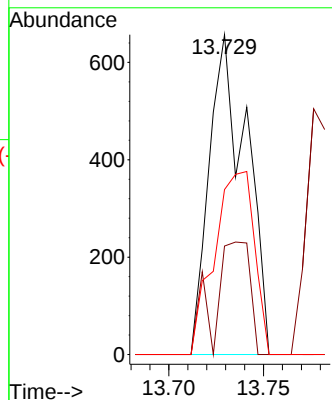
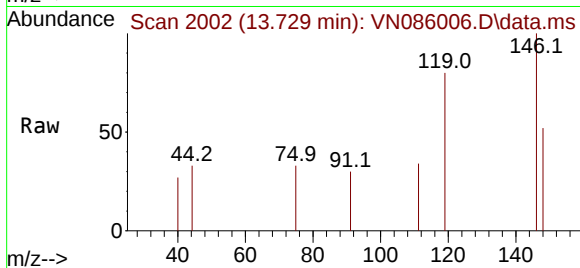




#88
1,4-Dichlorobenzene
Concen: 0.376 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.082 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

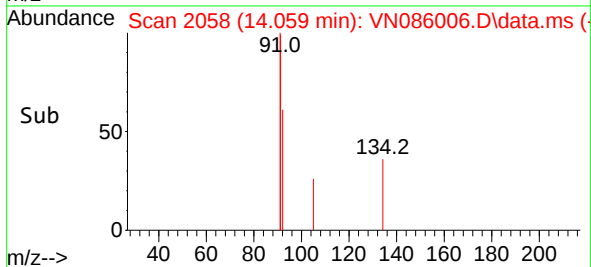
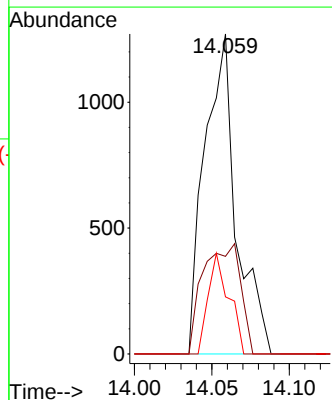
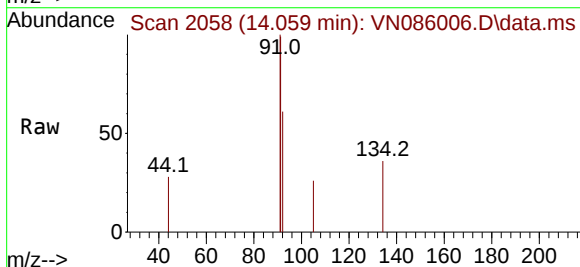
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

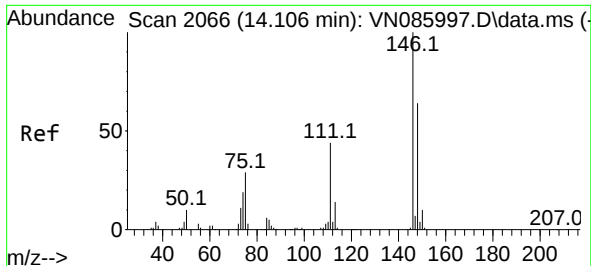
Tgt Ion:146 Resp: 896
Ion Ratio Lower Upper
146 100
111 33.6 20.4 61.3
148 61.9 32.1 96.5



#89
n-Butylbenzene
Concen: 0.614 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

Tgt Ion: 91 Resp: 1797
Ion Ratio Lower Upper
91 100
92 40.8 26.9 80.6
134 20.6 13.0 39.0

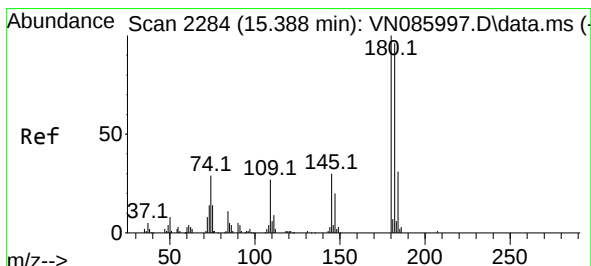
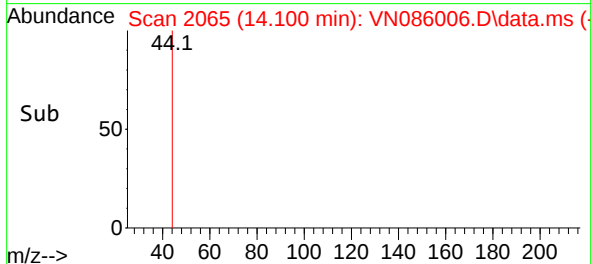
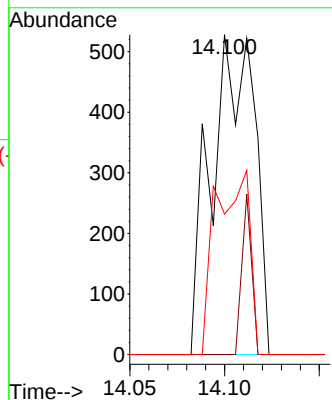
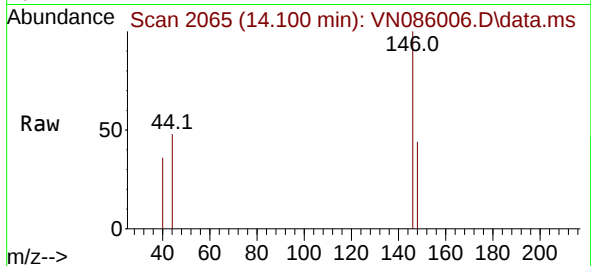




#91
1,2-Dichlorobenzene
Concen: 0.373 ug/l
RT: 14.100 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

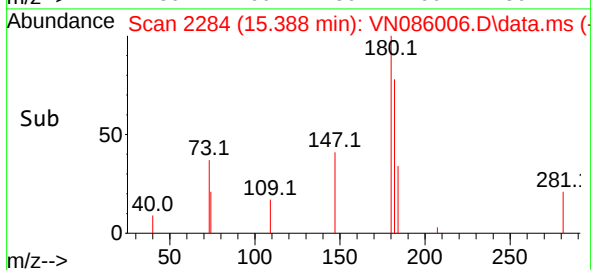
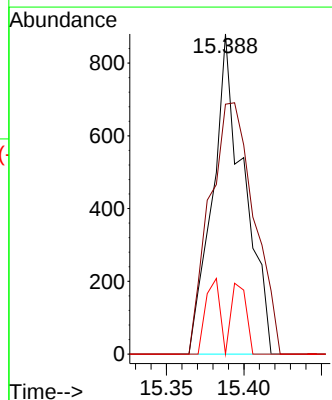
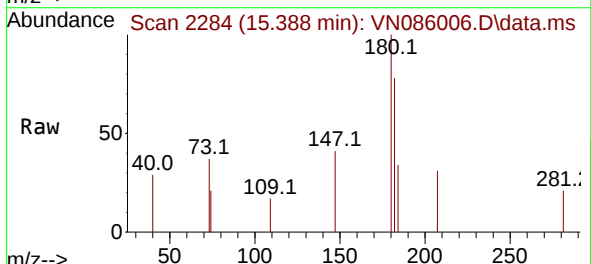
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

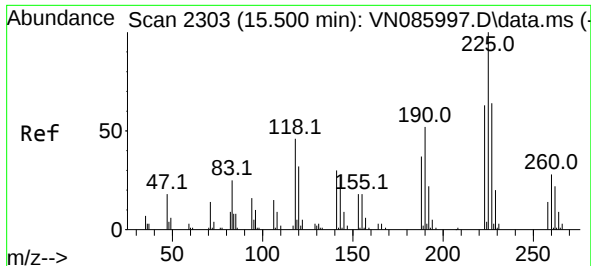
Tgt Ion:146 Resp: 840
Ion Ratio Lower Upper
146 100
111 11.1 22.3 66.8#
148 44.9 32.1 96.5



#93
1,2,4-Trichlorobenzene
Concen: 1.087 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

Tgt Ion:180 Resp: 1231
Ion Ratio Lower Upper
180 100
182 111.4 47.0 141.0
145 10.6 15.5 46.5#

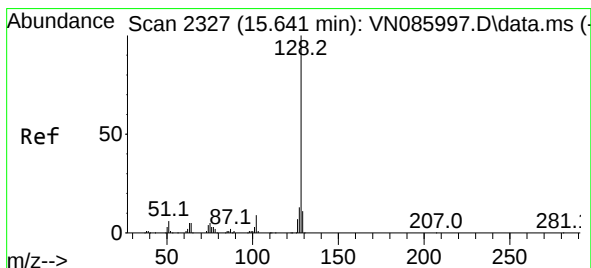
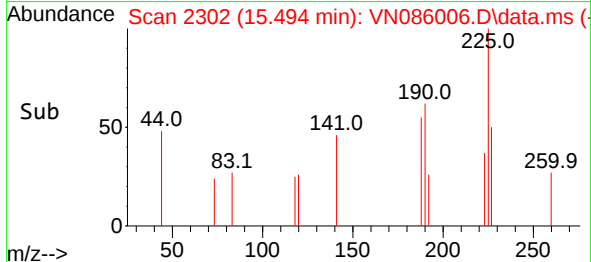
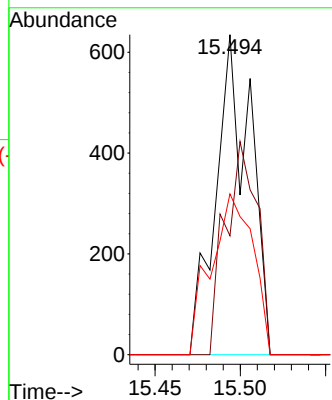
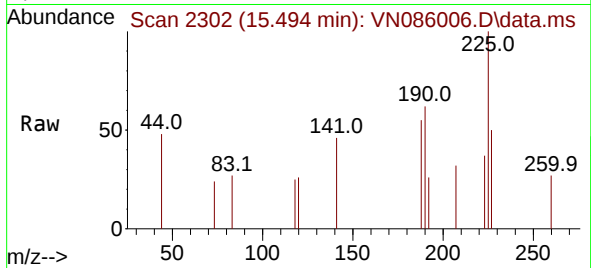




#94
Hexachlorobutadiene
Concen: 1.362 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

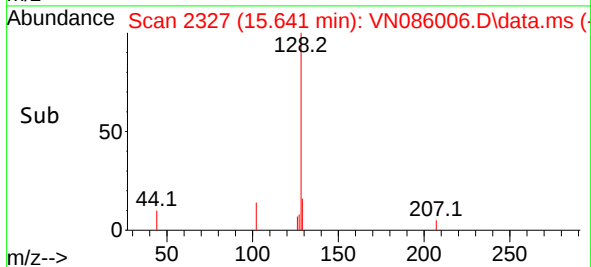
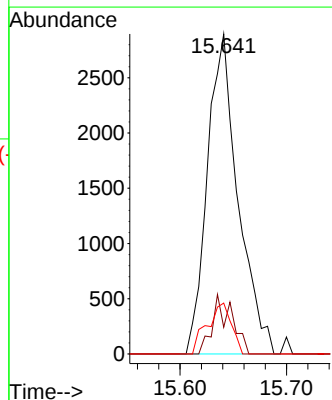
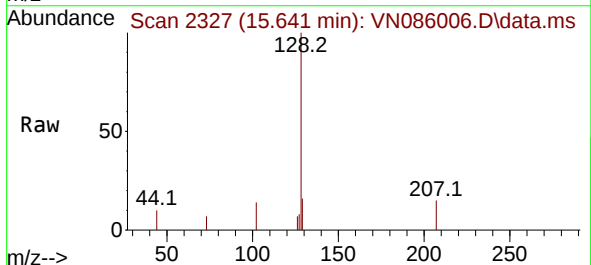
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

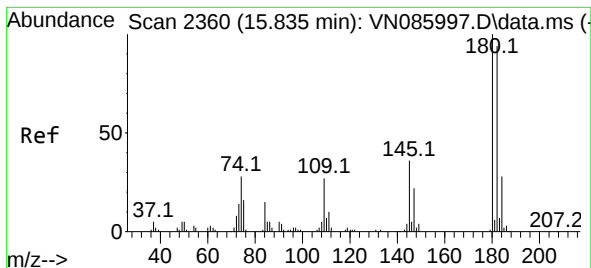
Tgt Ion:	225	Resp:	895
Ion Ratio	Lower	Upper	
225	100		
223	61.3	31.3	93.9
227	61.0	32.1	96.3



#95
Naphthalene
Concen: 1.770 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086006.D
Acq: 19 Mar 2025 13:52

Tgt Ion:	128	Resp:	5807
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.2	15.4
129	12.6	9.0	13.6





#96

1,2,3-Trichlorobenzene

Concen: 1.381 ug/l

RT: 15.835 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN086006.D

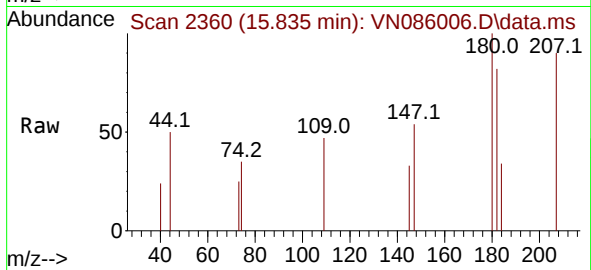
Acq: 19 Mar 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0319MBL01



Tgt Ion:180 Resp: 1485

Ion Ratio Lower Upper

180 100

182 105.1 47.5 142.5

145 21.1 17.7 53.1

