

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
 Data File : VN086680.D
 Acq On : 19 May 2025 11:16
 Operator : JC\MD
 Sample : VN0519WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBL02

Quant Time: May 20 03:14:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

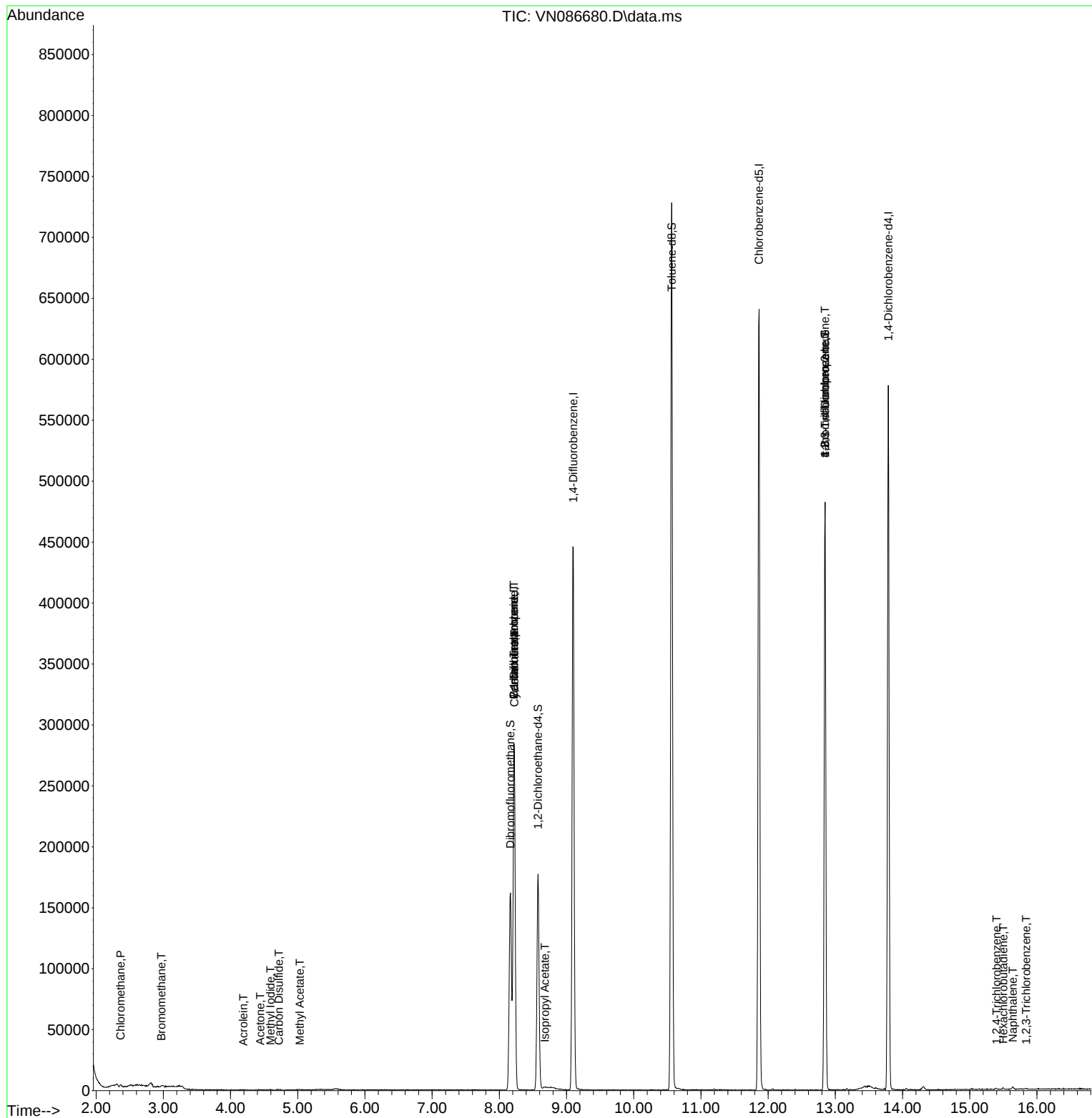
Internal Standards						
1) Pentafluorobenzene	8.218	168	215133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	405450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	387236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	160604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145518	48.951	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.900%		
35) Dibromofluoromethane	8.165	113	123521	51.155	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.320%		
50) Toluene-d8	10.565	98	521575	52.125	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.240%		
62) 4-Bromofluorobenzene	12.847	95	180514	51.091	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.180%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1419	0.404	ug/l	100
5) Bromomethane	2.971	94	892	0.490	ug/l	92
10) Methyl Iodide	4.595	142	877	0.312	ug/l #	85
13) Acrolein	4.189	56	245	0.423	ug/l #	47
16) Acetone	4.442	43	857	0.771	ug/l #	42
17) Carbon Disulfide	4.718	76	1386	0.209	ug/l #	75
18) Methyl Acetate	5.030	43	749	0.241	ug/l #	49
31) Cyclohexane	8.224	56	4440	0.995	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17583	4.937	ug/l #	48
38) Carbon Tetrachloride	8.218	117	21086	6.009	ug/l #	16
43) Isopropyl Acetate	8.677	43	2376	0.329	ug/l #	54
76) 1,2,3-Trichloropropane	12.847	75	88701	24.421	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	88701	61.629	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	513	0.236	ug/l #	70
94) Hexachlorobutadiene	15.500	225	393	0.437	ug/l #	27
95) Naphthalene	15.641	128	2789	0.370	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.841	180	448	0.211	ug/l #	84

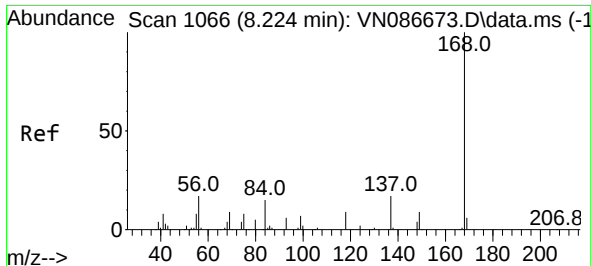
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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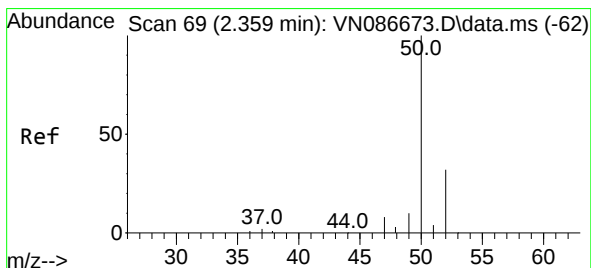
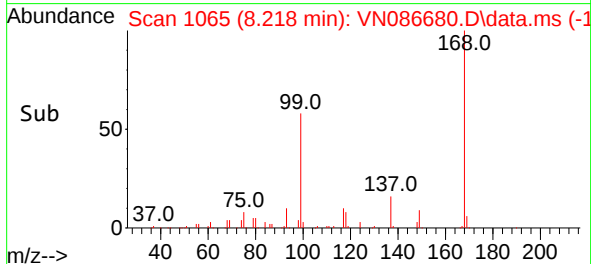
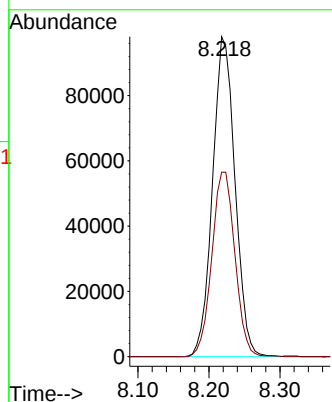
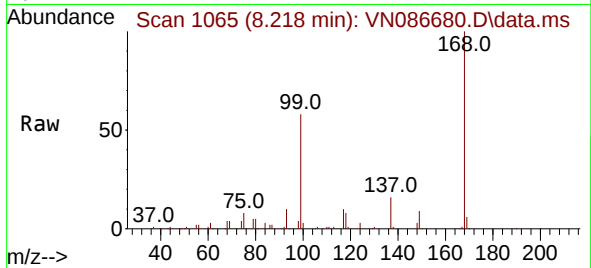




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

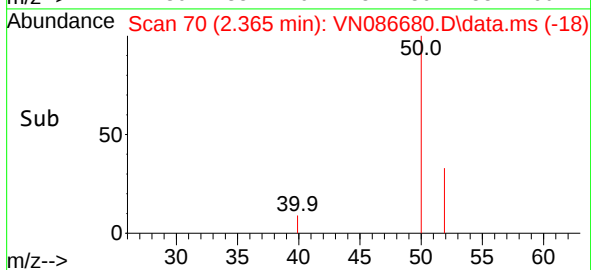
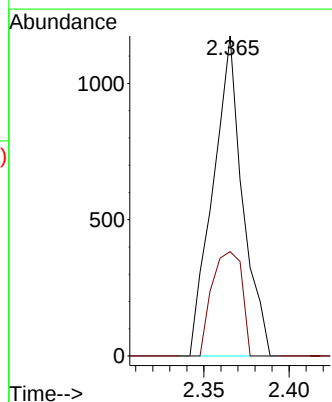
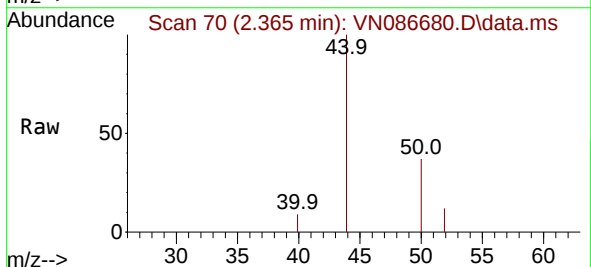
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL02

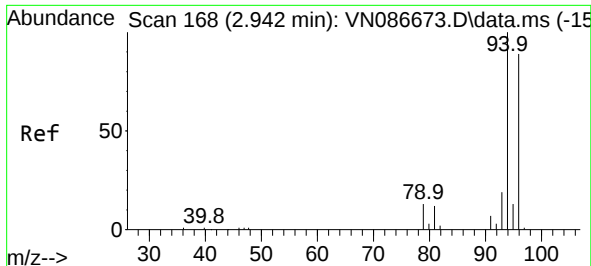
Tgt Ion:168 Resp: 215133
Ion Ratio Lower Upper
168 100
99 57.7 47.0 70.4



#3
Chloromethane
Concen: 0.404 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

Tgt Ion: 50 Resp: 1419
Ion Ratio Lower Upper
50 100
52 32.6 25.9 38.9

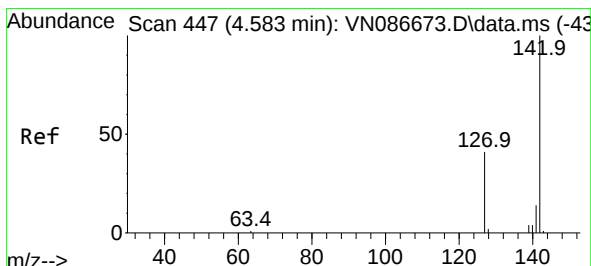
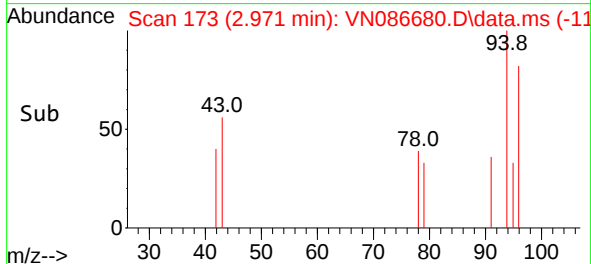
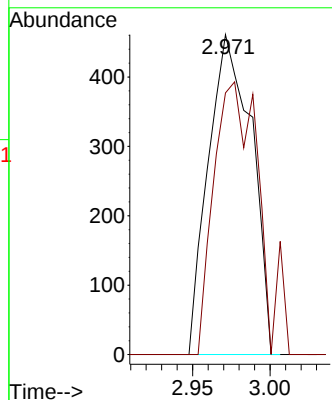
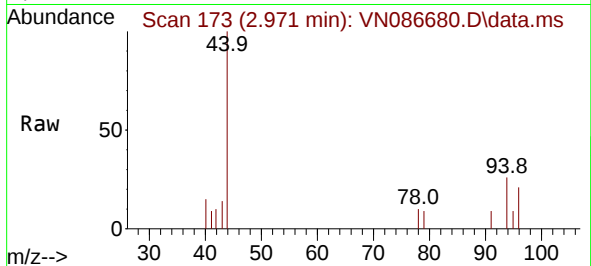




#5
Bromomethane
Concen: 0.490 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

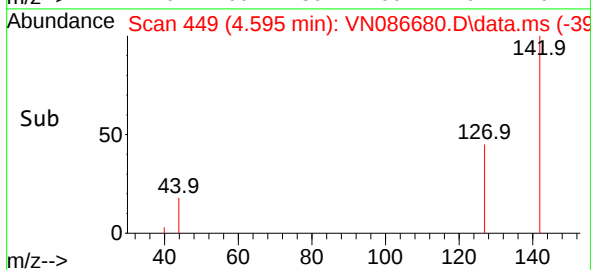
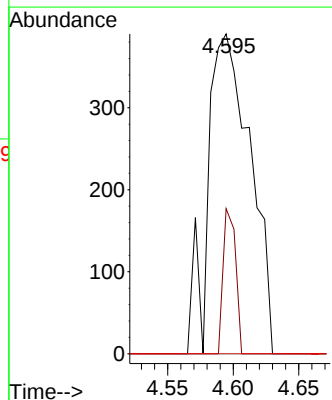
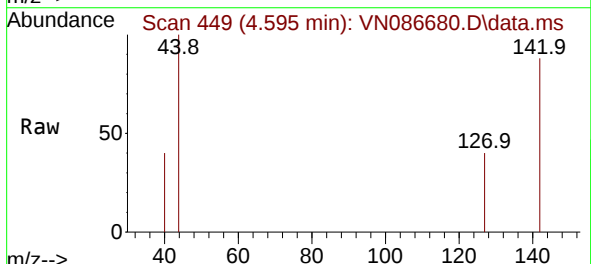
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL02

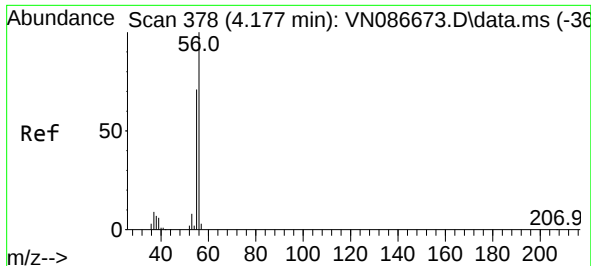
Tgt Ion: 94 Resp: 892
Ion Ratio Lower Upper
94 100
96 81.8 71.2 106.8



#10
Methyl Iodide
Concen: 0.312 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.012 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

Tgt Ion: 142 Resp: 877
Ion Ratio Lower Upper
142 100
127 45.4 32.4 48.6
141 0.0 11.4 17.2#

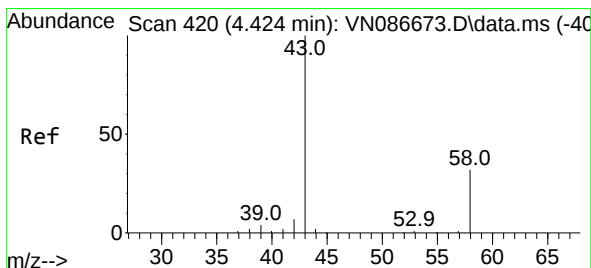
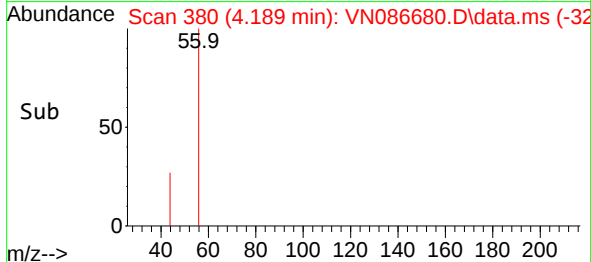
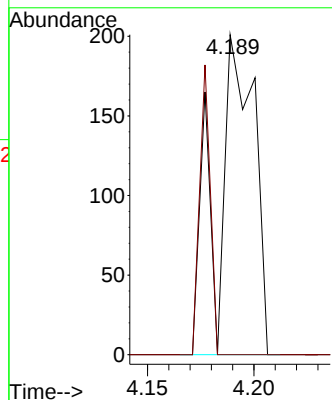
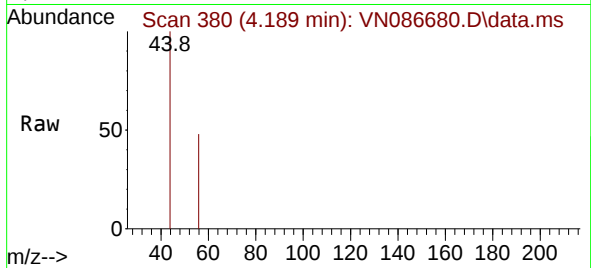




#13
Acrolein
Concen: 0.423 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

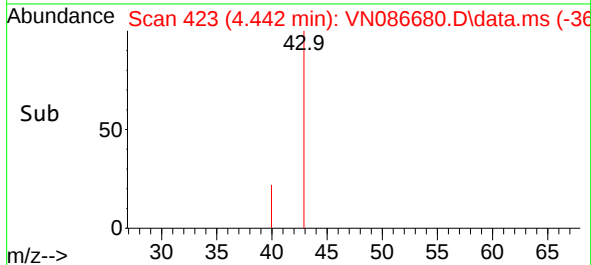
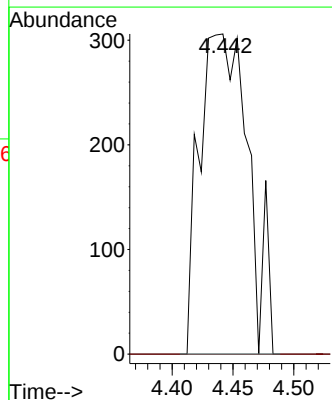
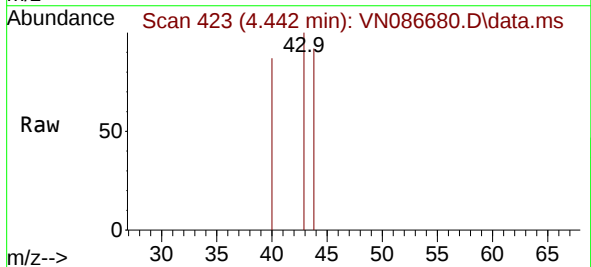
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL02

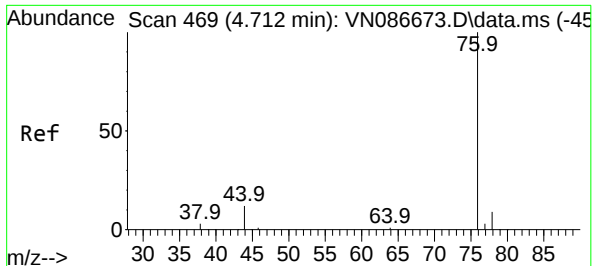
Tgt Ion: 56 Resp: 245
Ion Ratio Lower Upper
56 100
55 26.1 55.7 83.5#



#16
Acetone
Concen: 0.771 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

Tgt Ion: 43 Resp: 857
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#

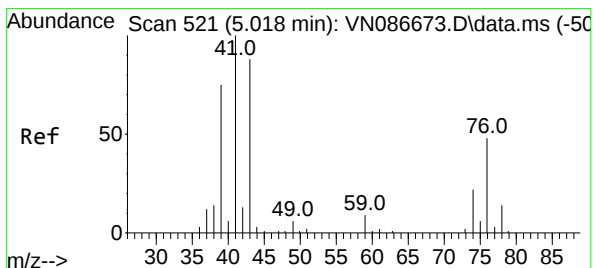
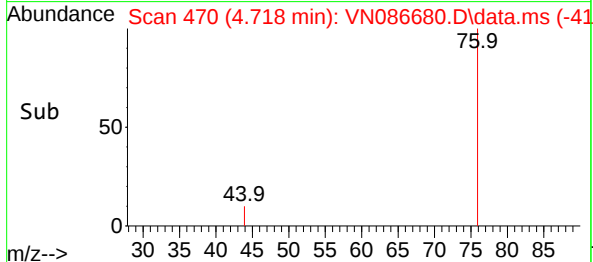
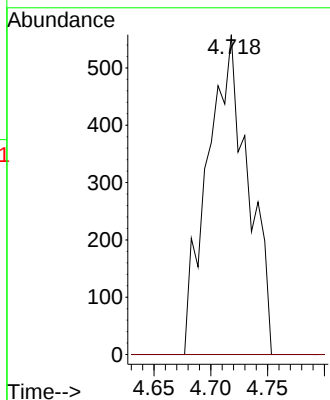
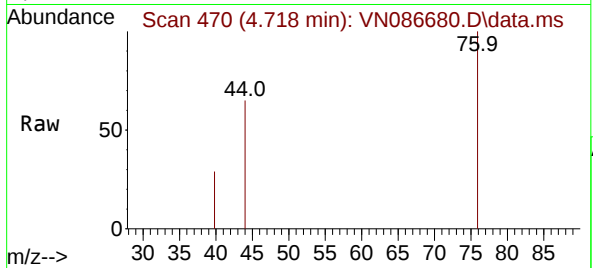




#17
Carbon Disulfide
Concen: 0.209 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

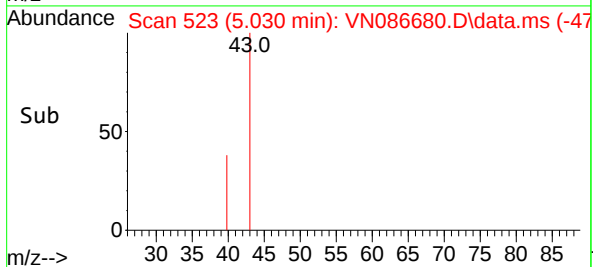
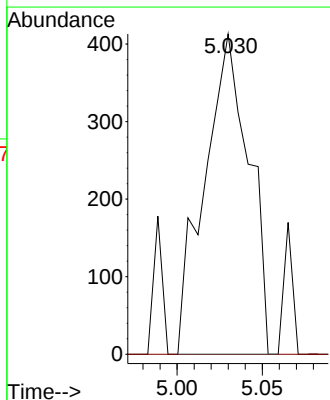
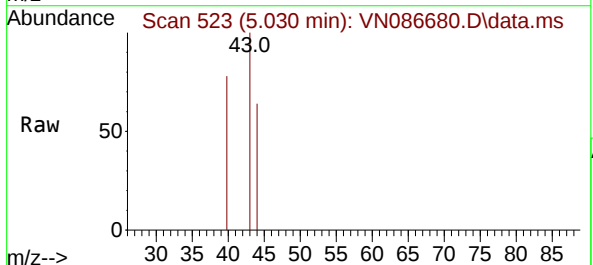
Instrument :
MSVOA_N
ClientSampleId :
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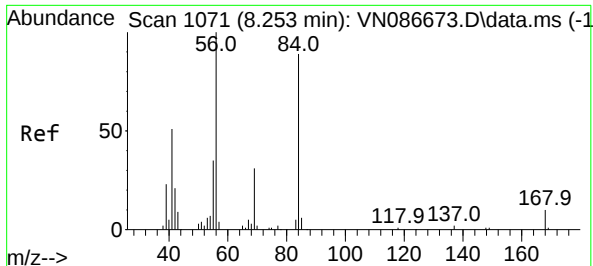
Tgt Ion: 76 Resp: 1386
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 0.241 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

Tgt Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#

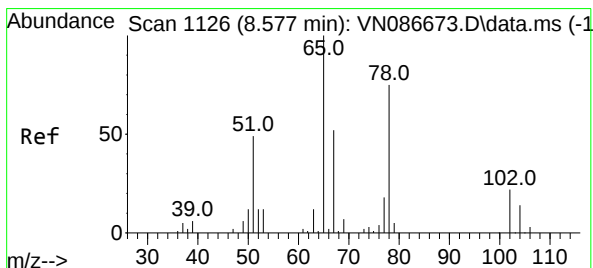
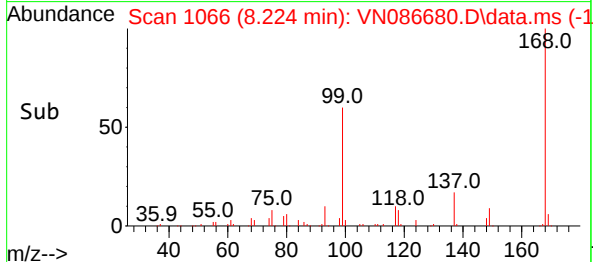
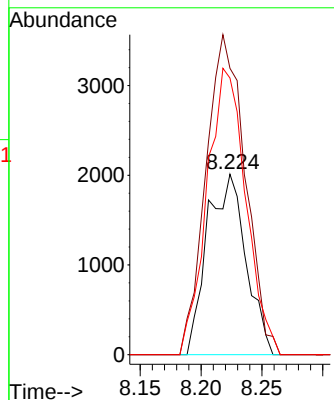
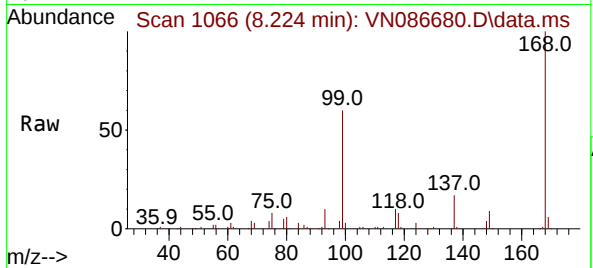




#31
Cyclohexane
Concen: 0.995 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

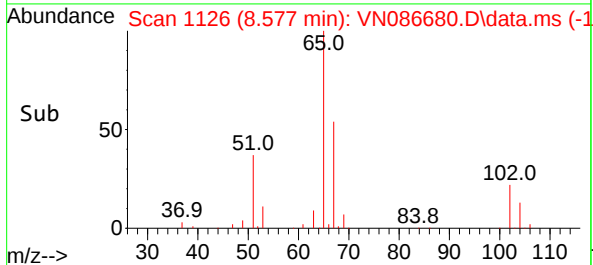
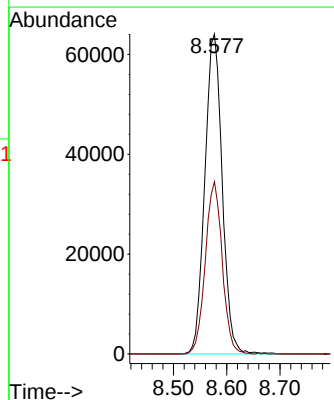
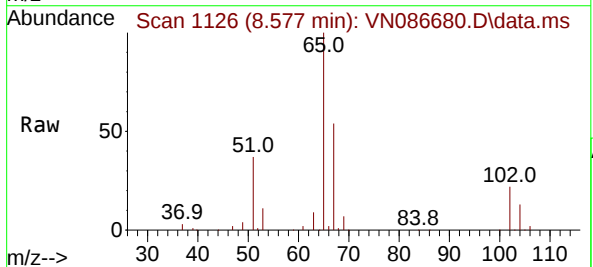
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL02

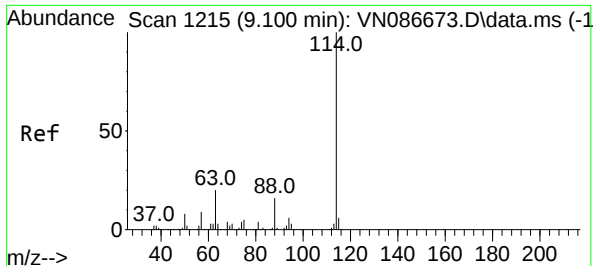
Tgt Ion: 56 Resp: 4440
Ion Ratio Lower Upper
56 100
69 158.7 25.0 37.6#
84 153.3 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 48.951 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

Tgt Ion: 65 Resp: 145518
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.4

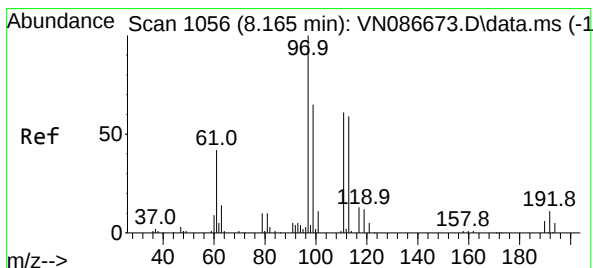
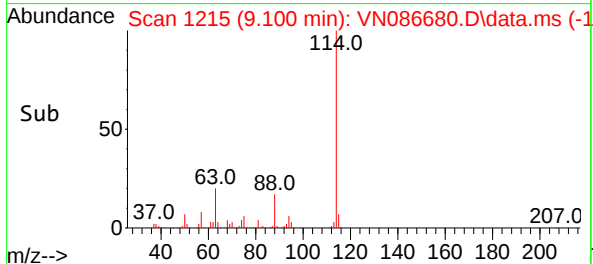
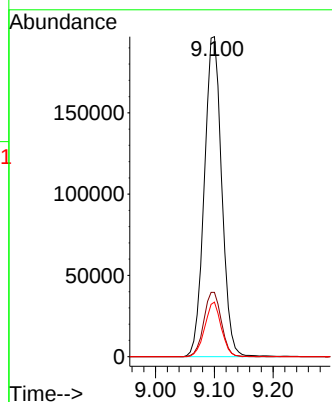
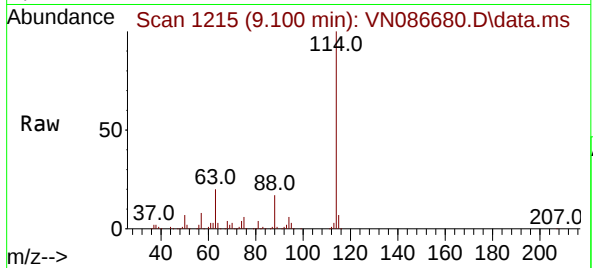




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

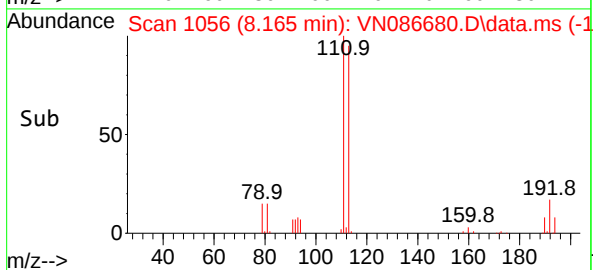
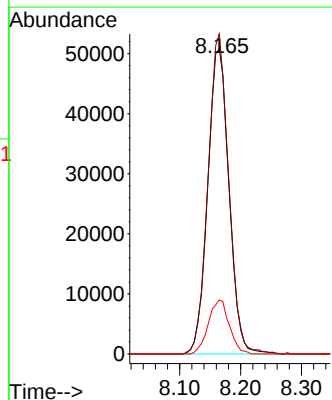
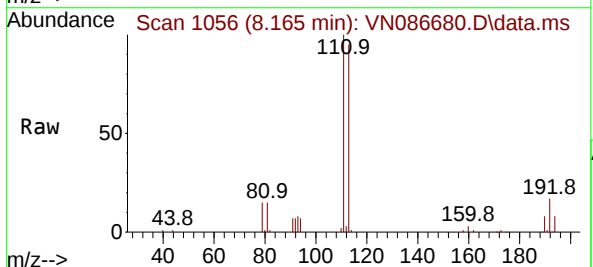
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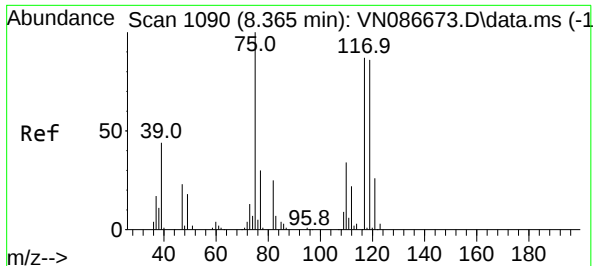
Tgt Ion:114 Resp: 405450
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.2
88 17.0 0.0 31.2



#35
Dibromofluoromethane
Concen: 51.155 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

Tgt Ion:113 Resp: 123521
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 17.4 13.8 20.8





#36

1,1-Dichloropropene

Concen: 4.937 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086680.D

Acq: 19 May 2025 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBL02

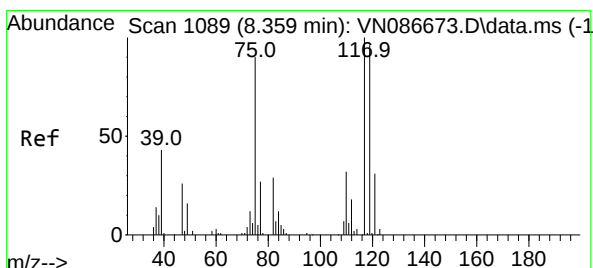
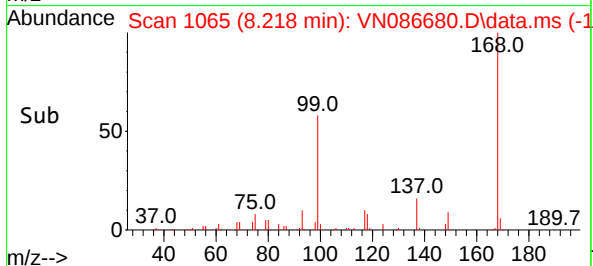
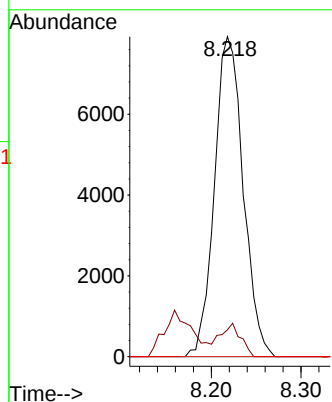
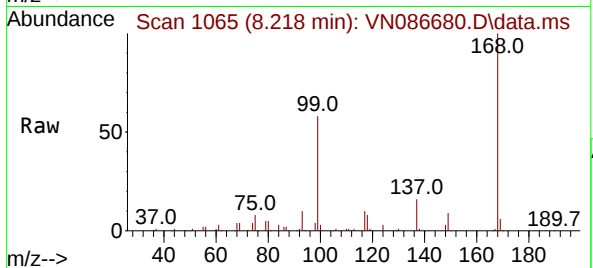
Tgt Ion: 75 Resp: 17583

Ion Ratio Lower Upper

75 100

110 7.4 17.5 52.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.009 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086680.D

Acq: 19 May 2025 11:16

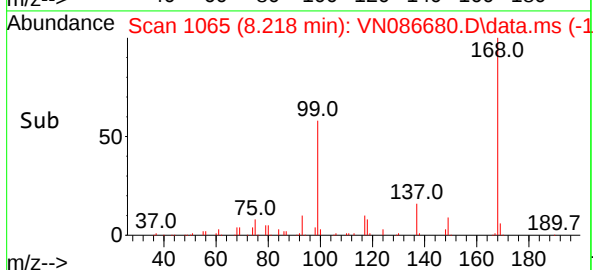
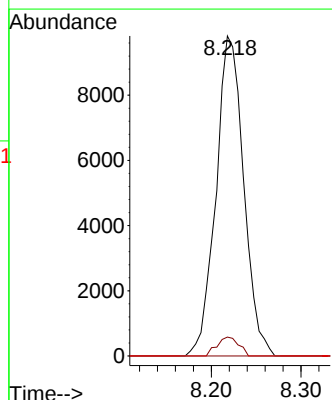
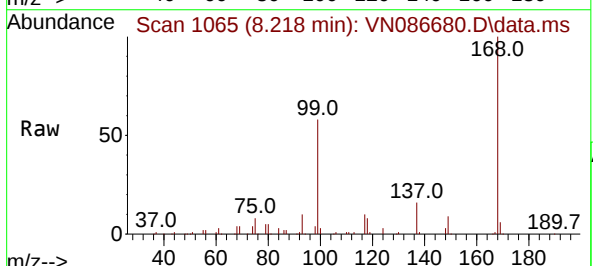
Tgt Ion: 117 Resp: 21086

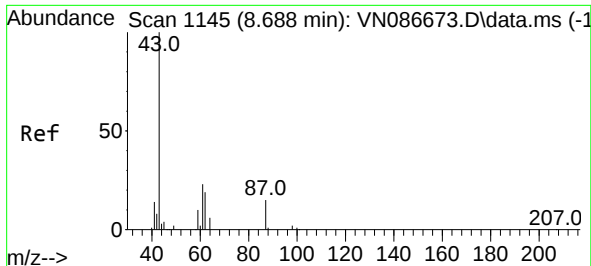
Ion Ratio Lower Upper

117 100

119 5.9 77.0 115.6#

121 0.0 25.0 37.6#

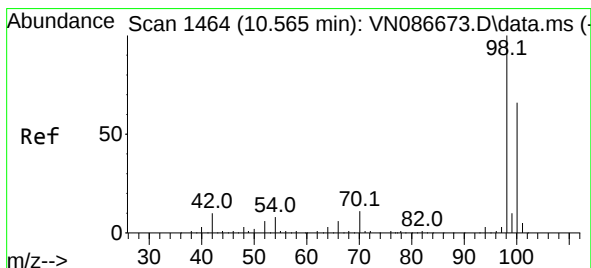
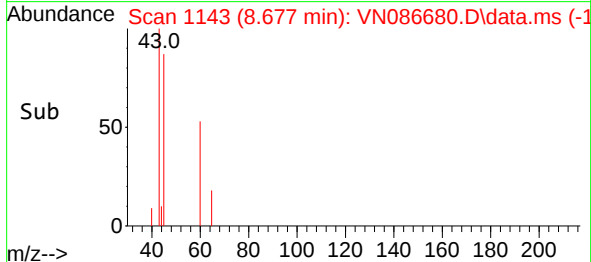
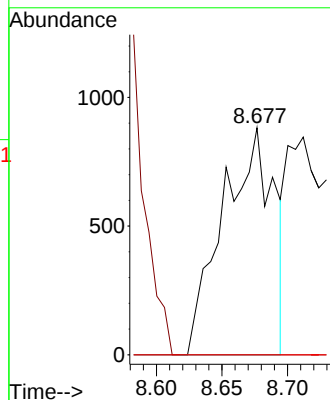
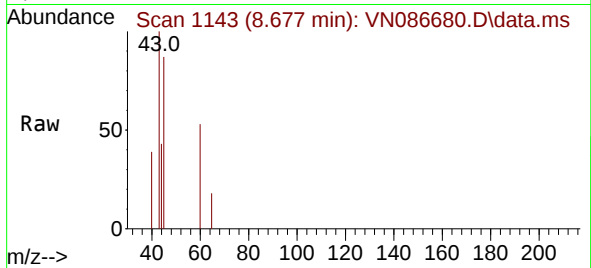




#43
Isopropyl Acetate
Concen: 0.329 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

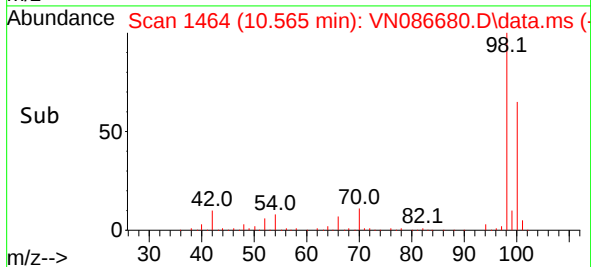
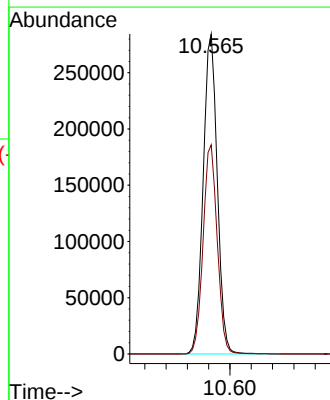
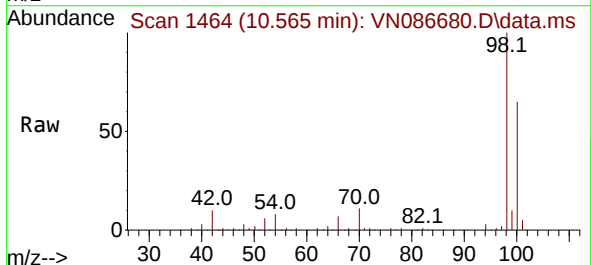
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL02

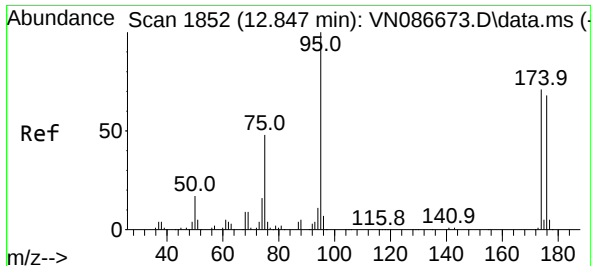
Tgt Ion: 43 Resp: 2376
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.2#
87 0.0 11.1 16.7#



#50
Toluene-d8
Concen: 52.125 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

Tgt Ion: 98 Resp: 521575
Ion Ratio Lower Upper
98 100
100 65.5 52.9 79.3

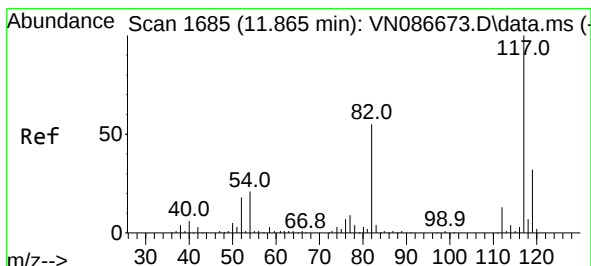
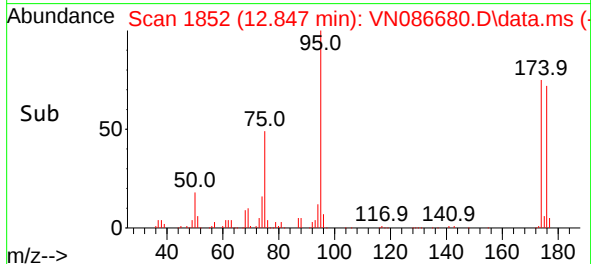
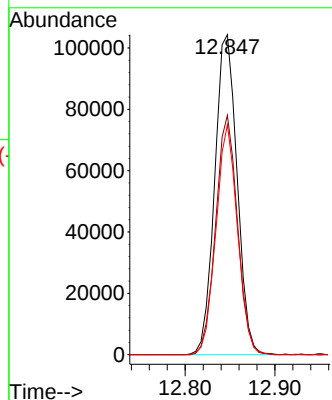
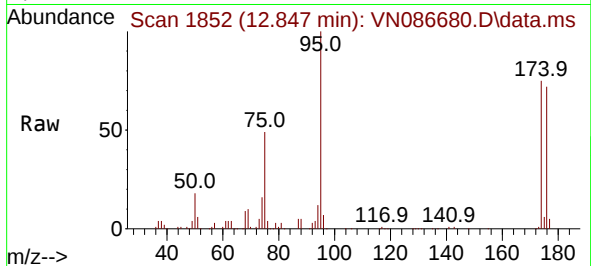




#62
4-Bromofluorobenzene
Concen: 51.091 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

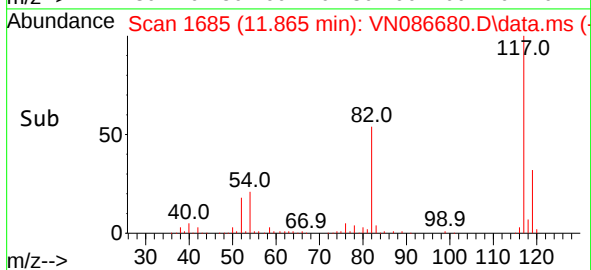
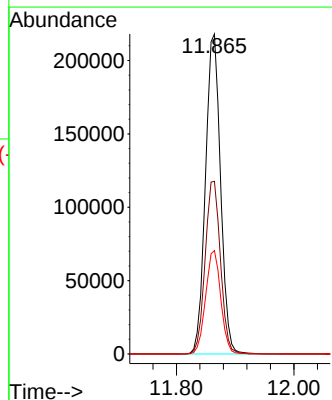
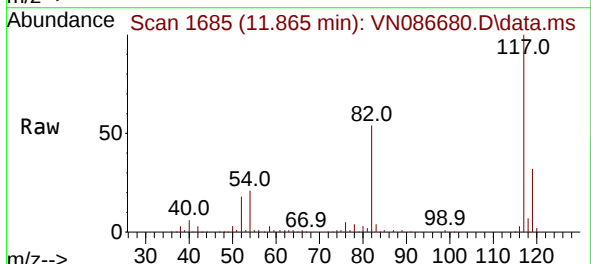
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL02

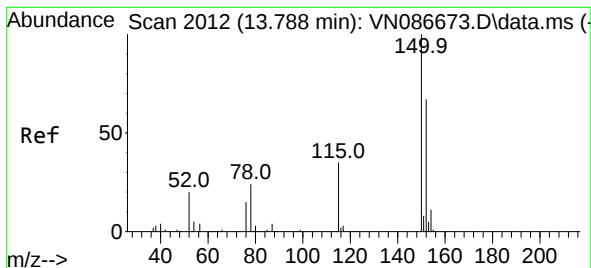
Tgt Ion: 95 Resp: 180514
Ion Ratio Lower Upper
95 100
174 72.8 0.0 145.4
176 69.2 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

Tgt Ion: 117 Resp: 387236
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 32.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN086680.D

Acq: 19 May 2025 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBL02

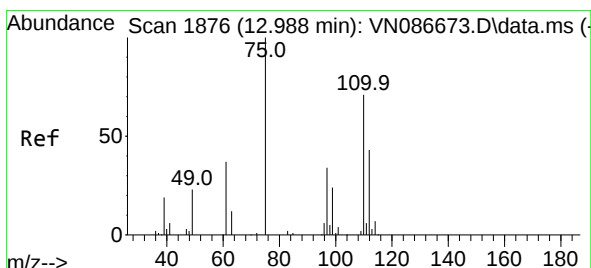
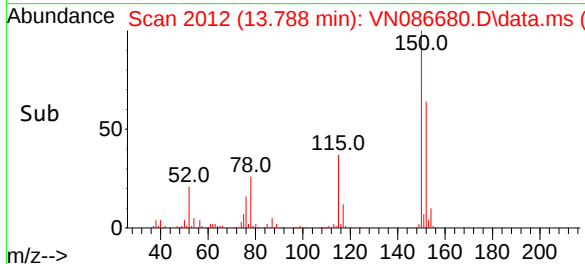
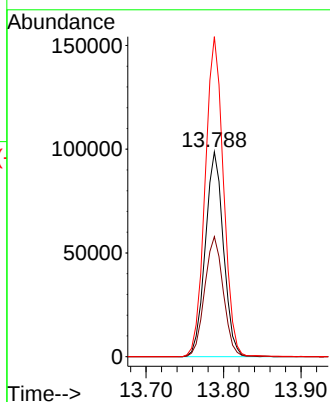
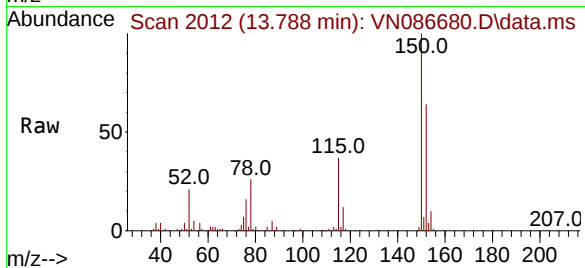
Tgt Ion:152 Resp: 160604

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.1

150 157.9 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 24.421 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN086680.D

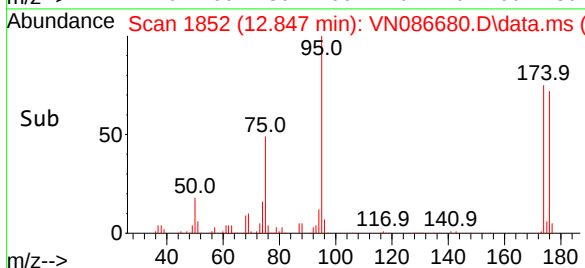
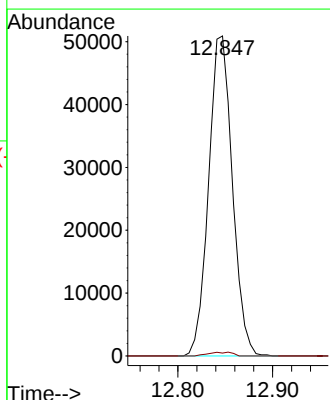
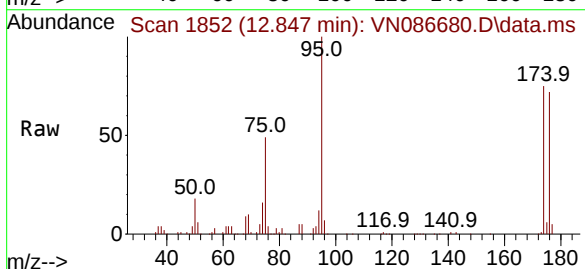
Acq: 19 May 2025 11:16

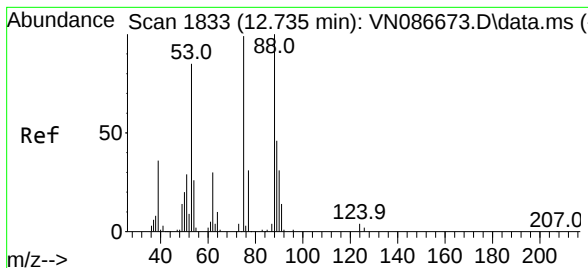
Tgt Ion: 75 Resp: 88701

Ion Ratio Lower Upper

75 100

77 1.2 96.0 288.1#

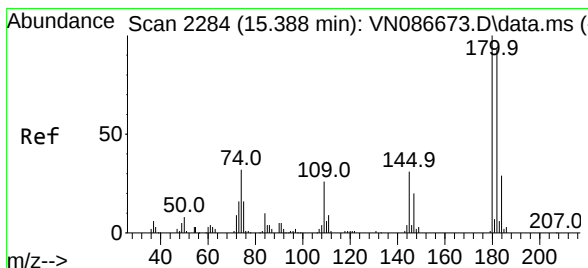
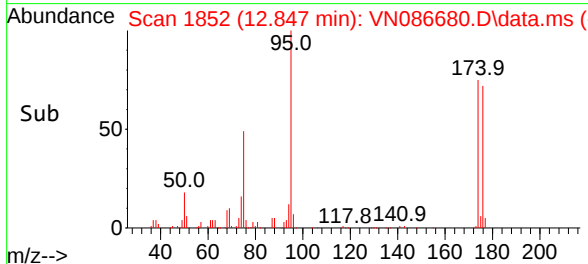
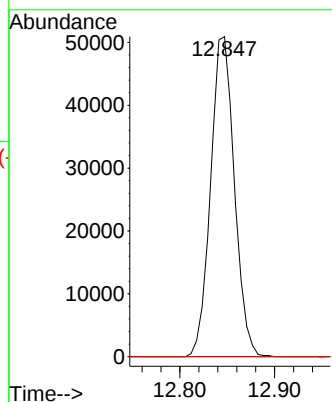
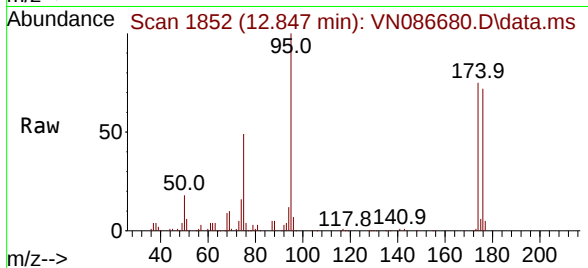




#81
trans-1,4-Dichloro-2-butene
Concen: 61.629 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

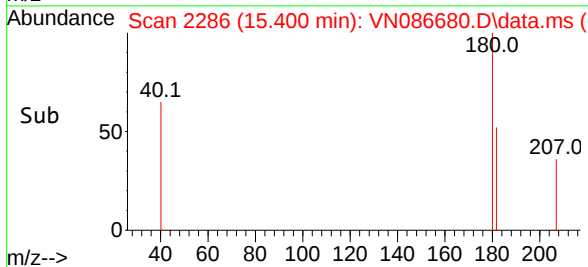
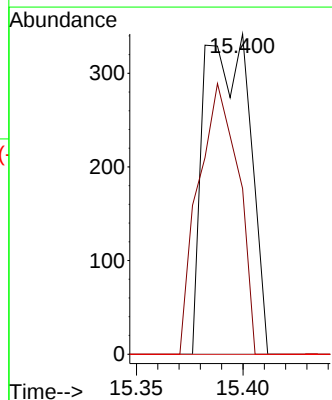
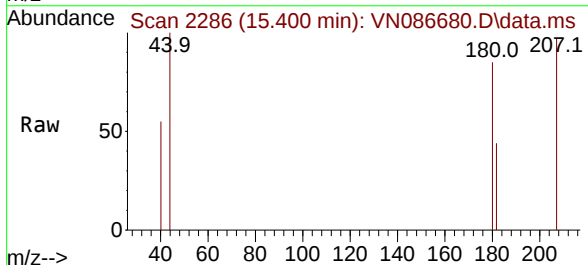
Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL02

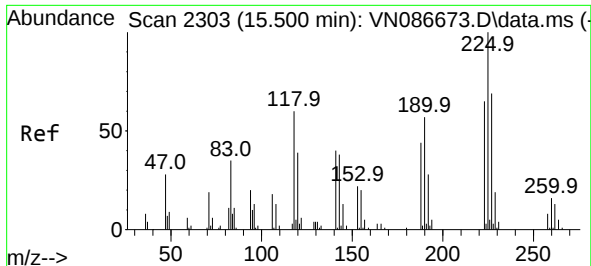
Tgt Ion: 75 Resp: 88701
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.236 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.012 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

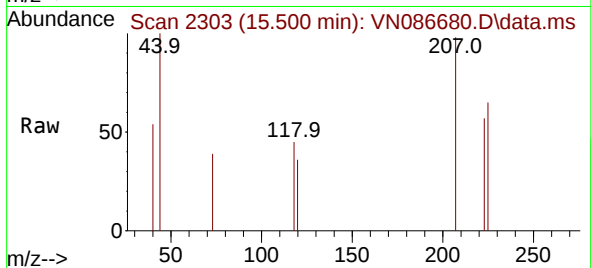
Tgt Ion:180 Resp: 513
Ion Ratio Lower Upper
180 100
182 73.5 47.1 141.3
145 0.0 15.6 46.8#



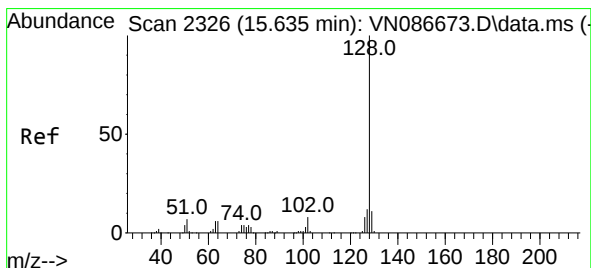
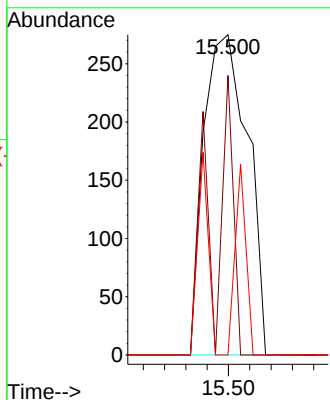
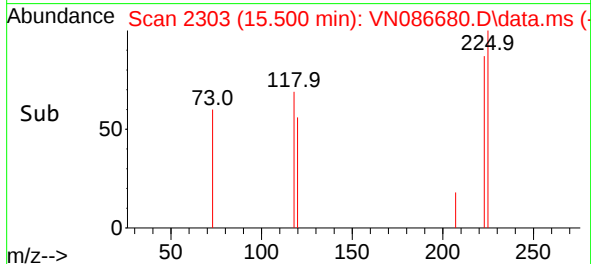


#94
Hexachlorobutadiene
Concen: 0.437 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBL02

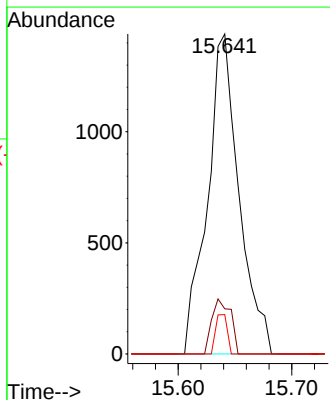
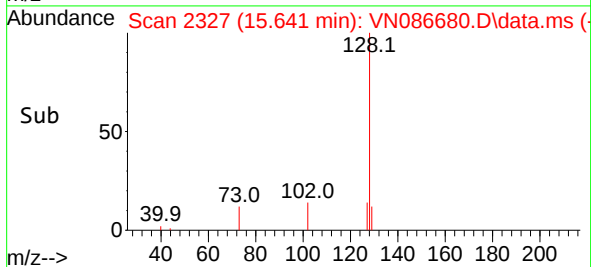
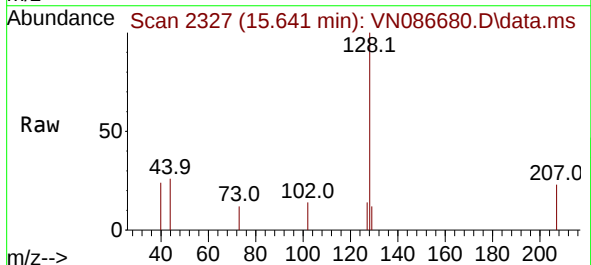


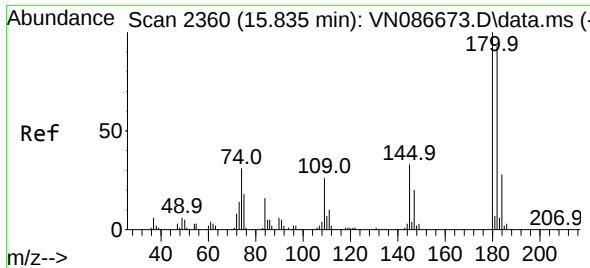
Tgt Ion:225 Resp: 393
Ion Ratio Lower Upper
225 100
223 0.0 32.9 98.6#
227 14.8 32.4 97.2#



#95
Naphthalene
Concen: 0.370 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN086680.D
Acq: 19 May 2025 11:16

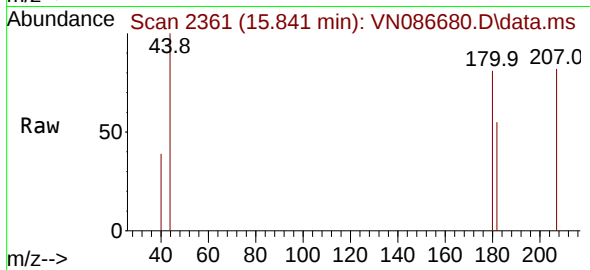
Tgt Ion:128 Resp: 2789
Ion Ratio Lower Upper
128 100
127 10.2 10.1 15.1
129 4.5 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.211 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN086680.D
 Acq: 19 May 2025 11:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBL02



Tgt Ion:180 Resp: 448
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.0 141.2
 145 0.0 16.7 50.1#

