

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086288.D
 Acq On : 16 Apr 2025 10:12
 Operator : JC\MD
 Sample : VN0416WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBL01

Quant Time: Apr 17 03:05:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

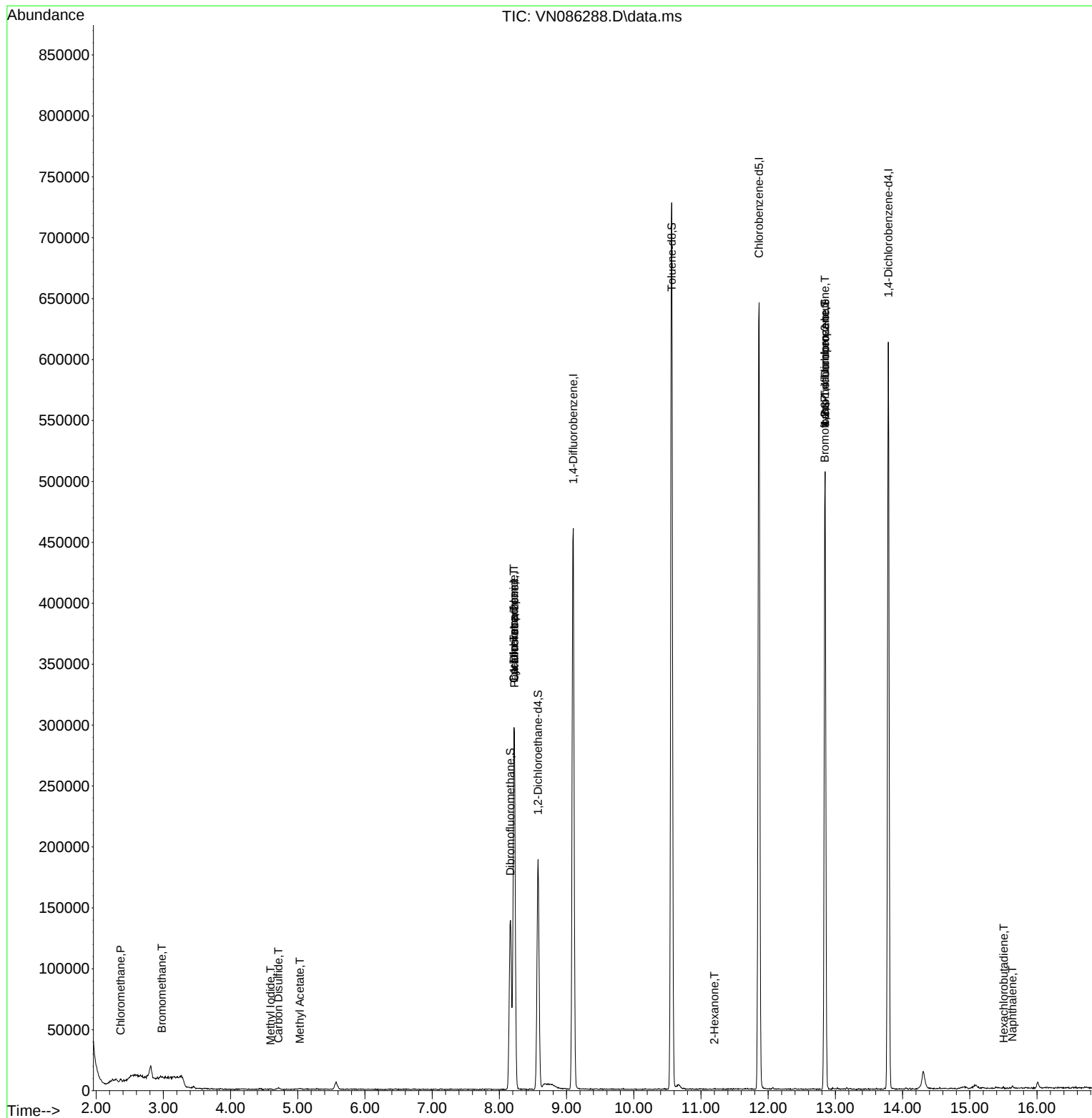
Internal Standards						
1) Pentafluorobenzene	8.224	168	215943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	412690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	374988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	153932	49.158	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	98.320%	
35) Dibromofluoromethane	8.165	113	105409	55.034	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	110.060%	
50) Toluene-d8	10.565	98	518345	50.637	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	101.280%	
62) 4-Bromofluorobenzene	12.847	95	186209	49.873	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	99.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2068	0.556	ug/l	95
5) Bromomethane	2.977	94	903	0.565	ug/l #	63
10) Methyl Iodide	4.595	142	570	0.218	ug/l #	42
13) Acrolein	4.195	56	525	Below Cal		85
16) Acetone	4.442	43	1567	Below Cal	#	43
17) Carbon Disulfide	4.712	76	2752	0.362	ug/l #	74
18) Methyl Acetate	5.030	43	1599	0.425	ug/l #	51
31) Cyclohexane	8.218	56	5448	1.074	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	18927	4.947	ug/l #	50
38) Carbon Tetrachloride	8.218	117	22073	6.059	ug/l #	14
43) Isopropyl Acetate	8.688	43	6190	Below Cal	#	55
59) 2-Hexanone	11.200	43	824	0.269	ug/l #	23
71) Bromoform	12.841	173	852	0.410	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	95184	24.839	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	95184	59.655	ug/l #	10
94) Hexachlorobutadiene	15.506	225	418	0.431	ug/l #	40
95) Naphthalene	15.635	128	2015	0.221	ug/l #	69

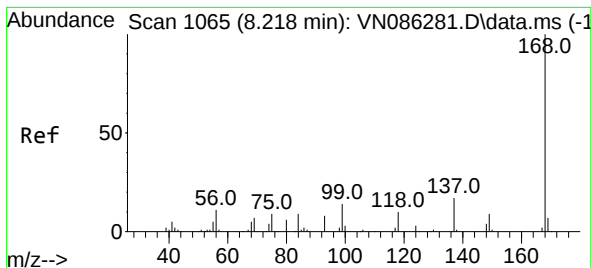
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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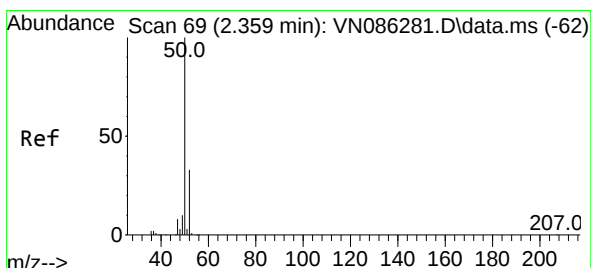
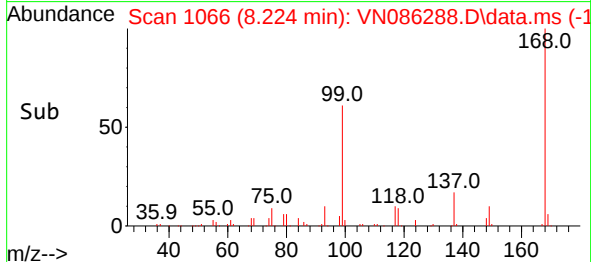
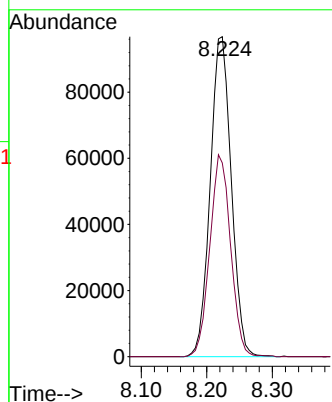
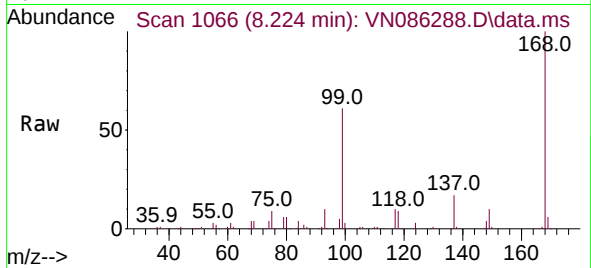




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

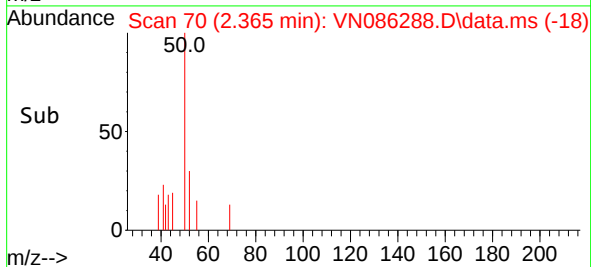
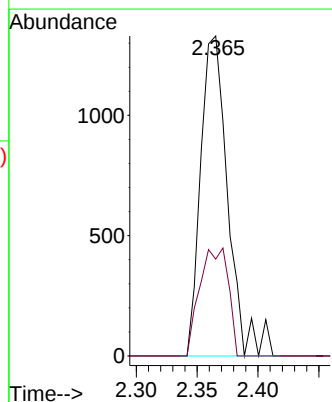
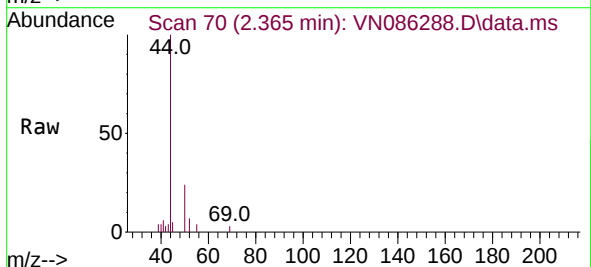
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBL01

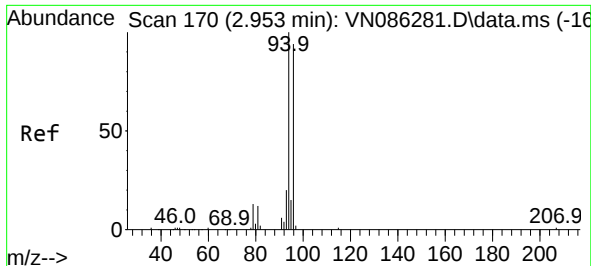
Tgt Ion:168 Resp: 215943
Ion Ratio Lower Upper
168 100
99 60.5 52.5 78.7



#3
Chloromethane
Concen: 0.556 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

Tgt Ion: 50 Resp: 2068
Ion Ratio Lower Upper
50 100
52 30.2 26.5 39.7

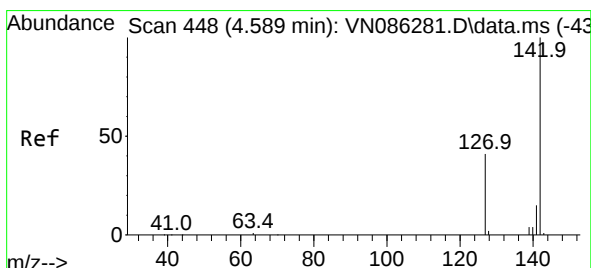
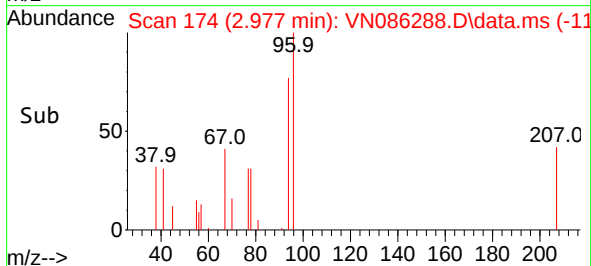
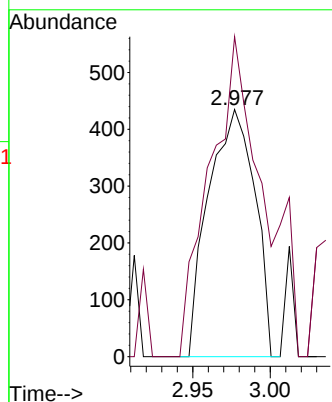
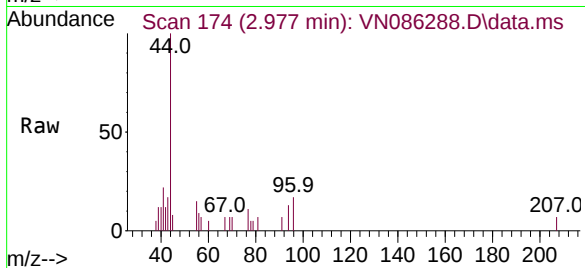




#5
Bromomethane
Concen: 0.565 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

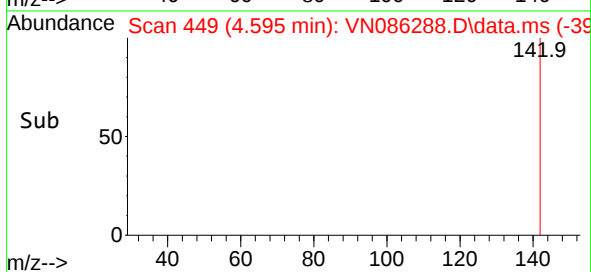
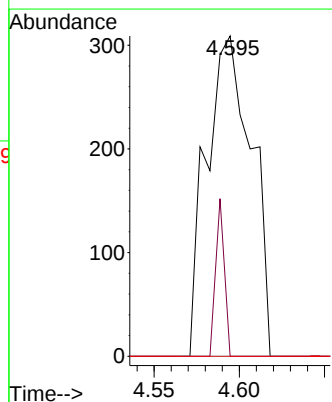
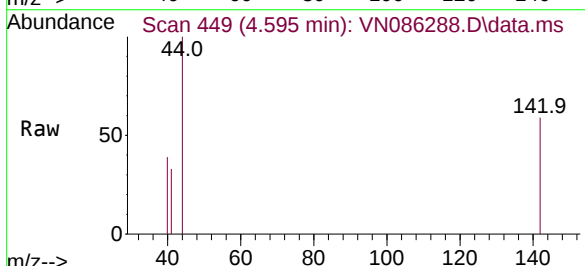
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBL01

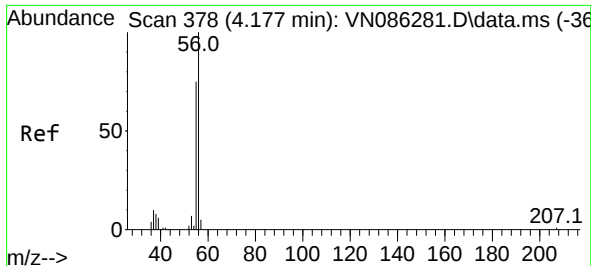
Tgt Ion: 94 Resp: 903
Ion Ratio Lower Upper
94 100
96 129.4 75.2 112.8#



#10
Methyl Iodide
Concen: 0.218 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

Tgt Ion: 142 Resp: 570
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.7 17.5#

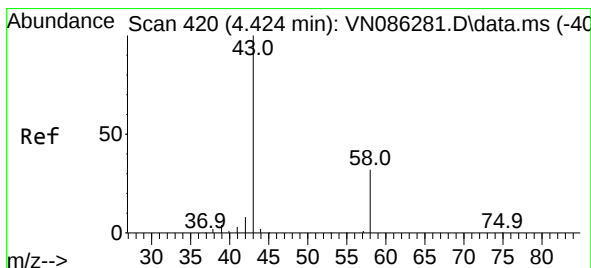
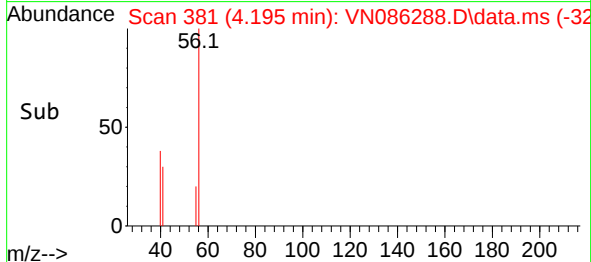
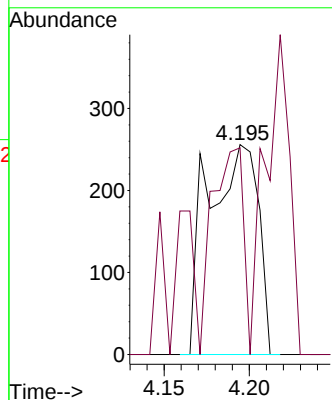
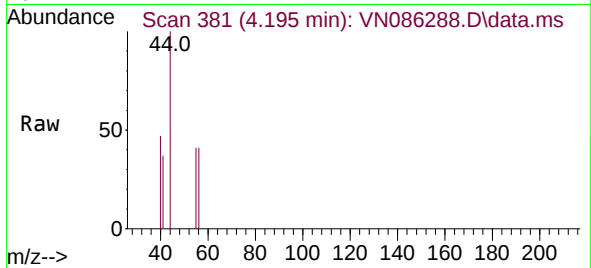




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

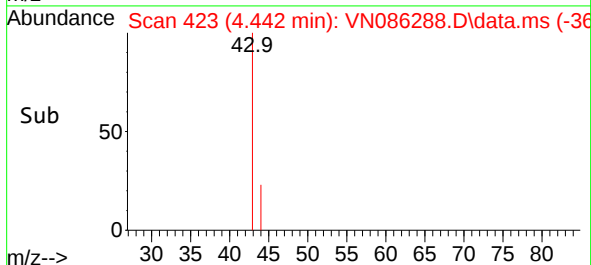
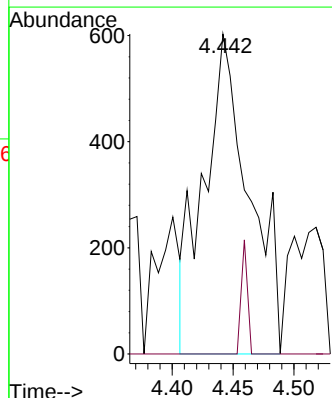
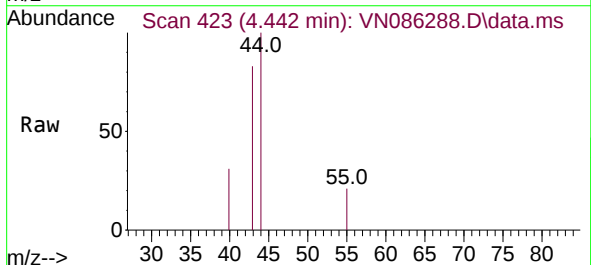
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBL01

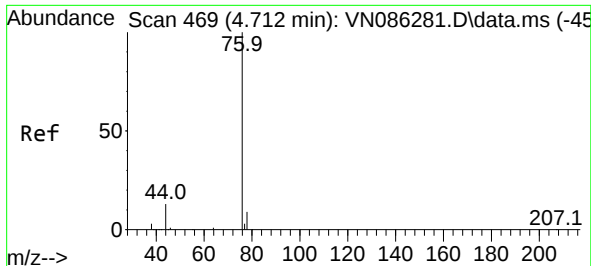
Tgt Ion: 56 Resp: 525
Ion Ratio Lower Upper
56 100
55 60.4 58.5 87.7



#16
Acetone
Concen: Below Cal
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

Tgt Ion: 43 Resp: 1567
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#

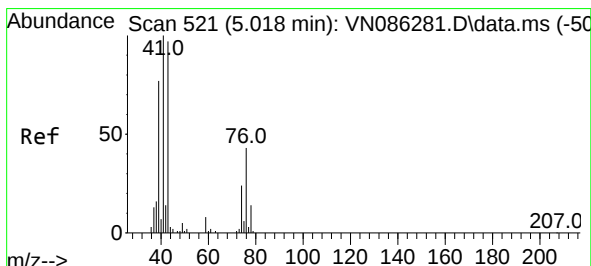
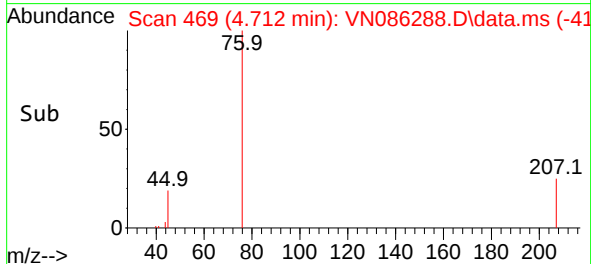
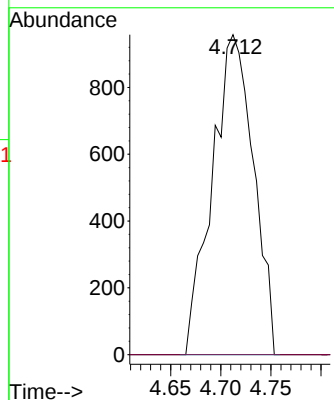
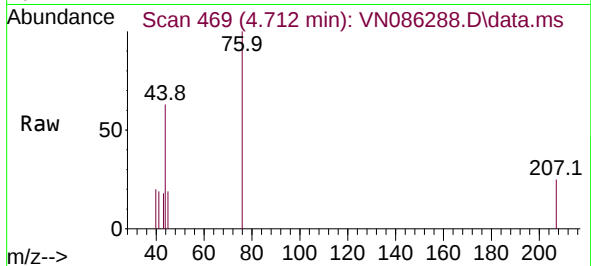




#17
Carbon Disulfide
Concen: 0.362 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

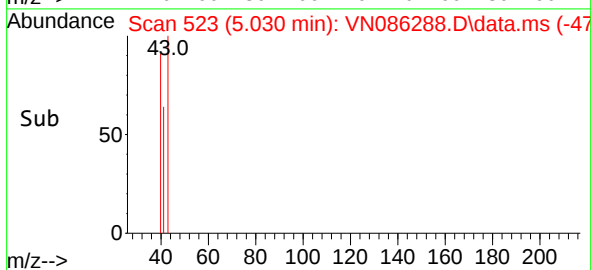
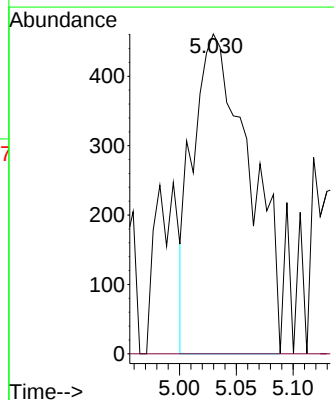
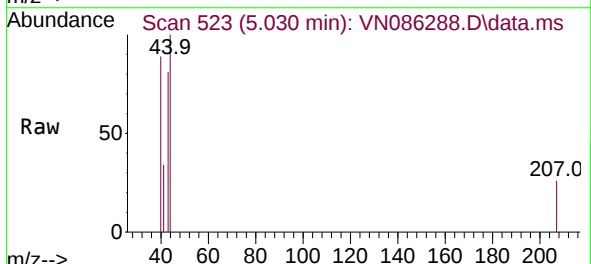
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBL01

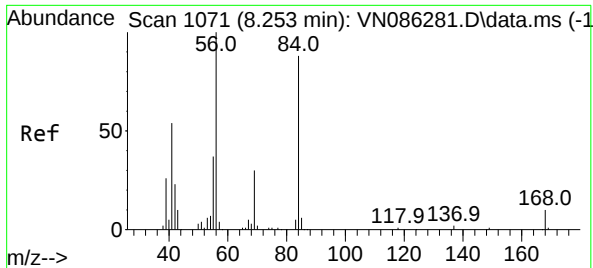
Tgt Ion: 76 Resp: 2752
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 0.425 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

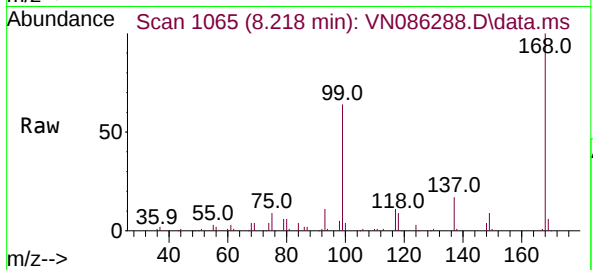
Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



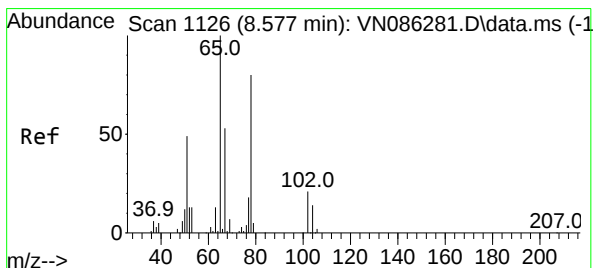
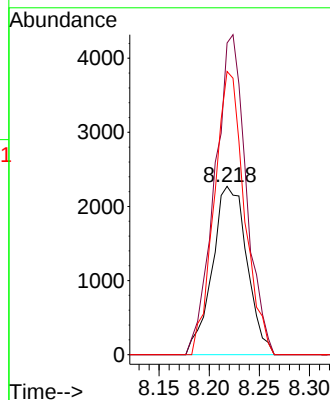
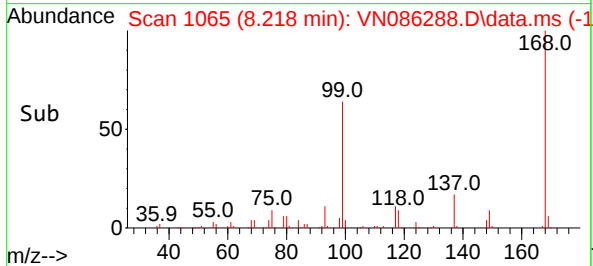


#31
Cyclohexane
Concen: 1.074 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBL01

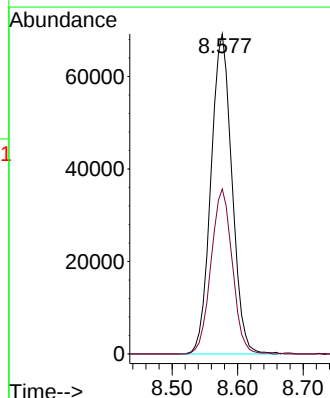
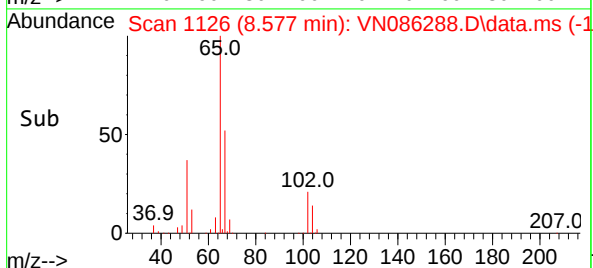
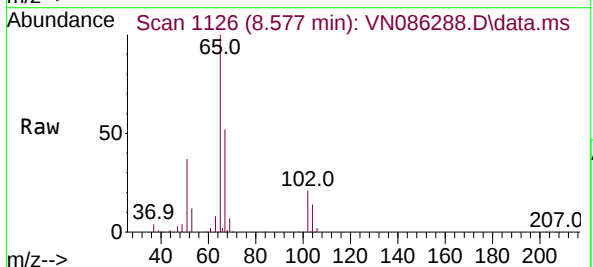


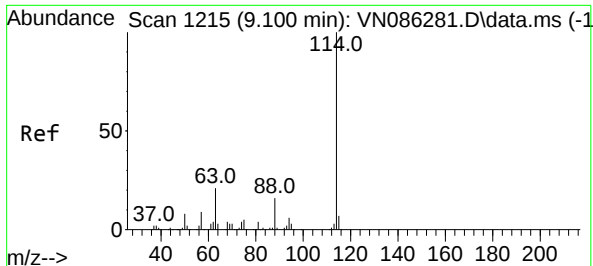
Tgt Ion: 56 Resp: 5448
Ion Ratio Lower Upper
56 100
69 185.2 24.2 36.2#
84 168.3 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 49.158 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

Tgt Ion: 65 Resp: 153932
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.0

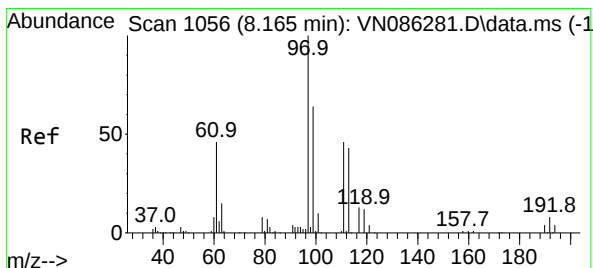
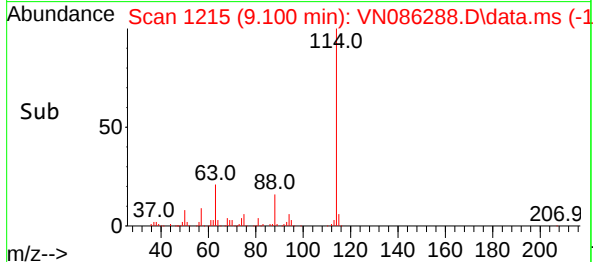
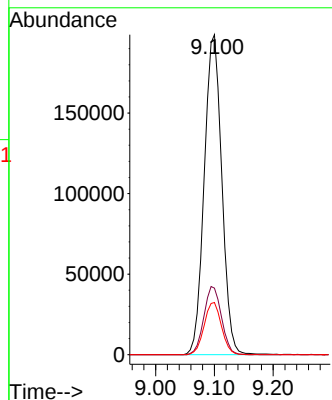
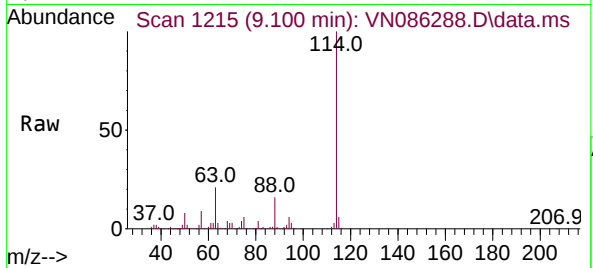




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

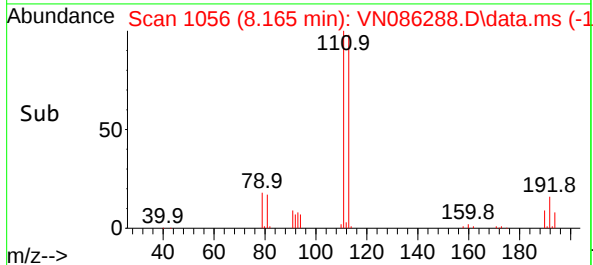
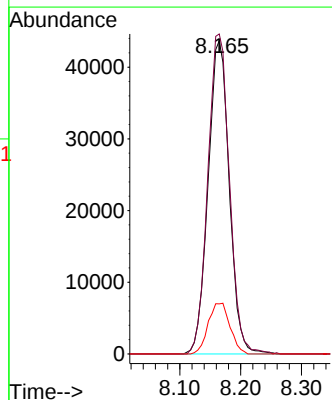
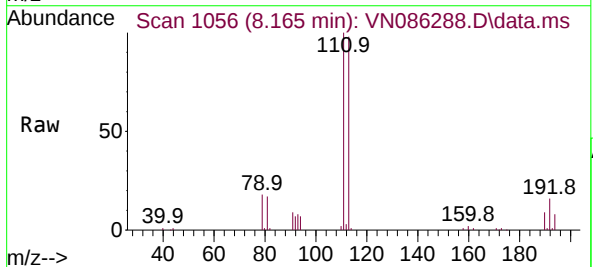
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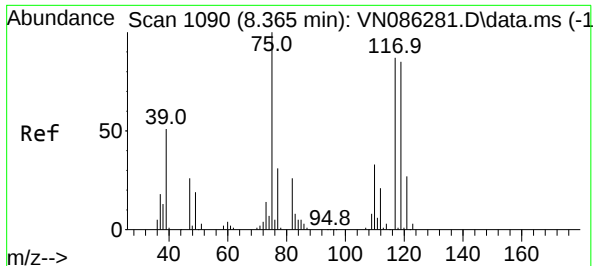
Tgt Ion:114 Resp: 412690
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 16.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.034 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

Tgt Ion:113 Resp: 105409
Ion Ratio Lower Upper
113 100
111 104.4 83.4 125.0
192 16.7 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.947 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086288.D

Acq: 16 Apr 2025 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBL01

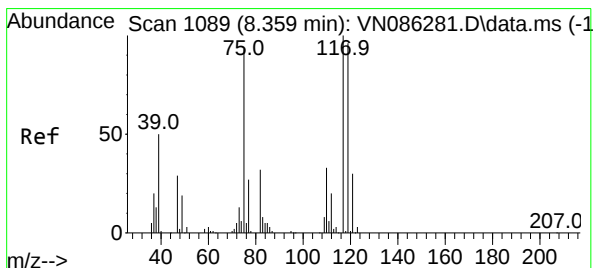
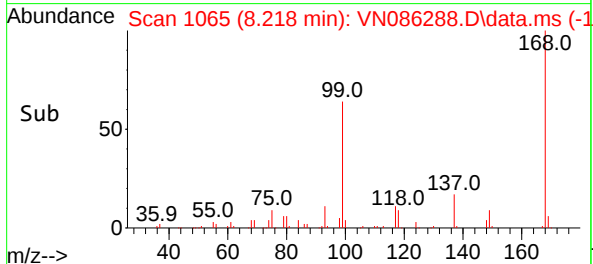
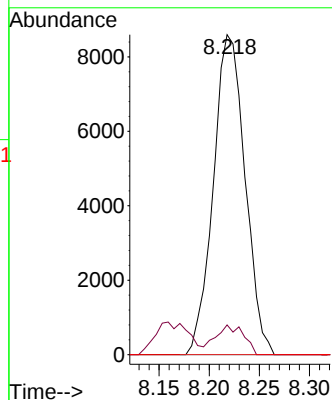
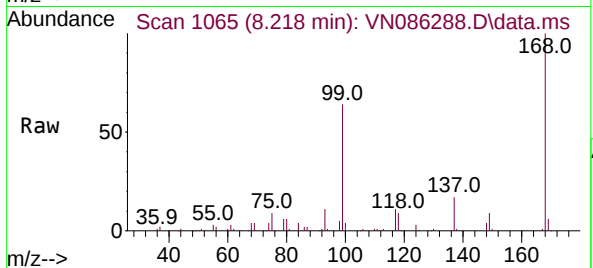
Tgt Ion: 75 Resp: 18927

Ion Ratio Lower Upper

75 100

110 8.2 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.059 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086288.D

Acq: 16 Apr 2025 10:12

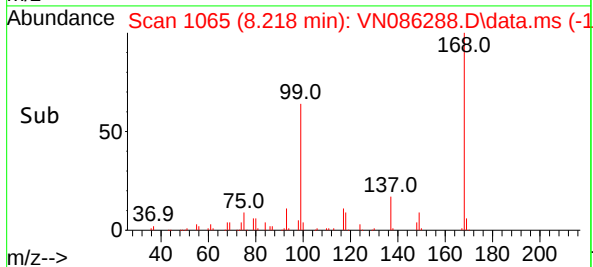
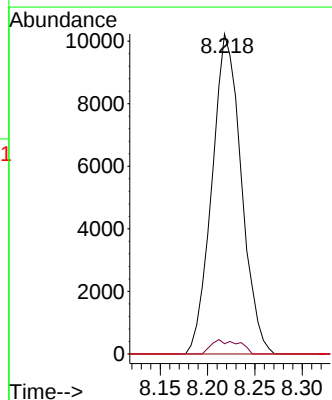
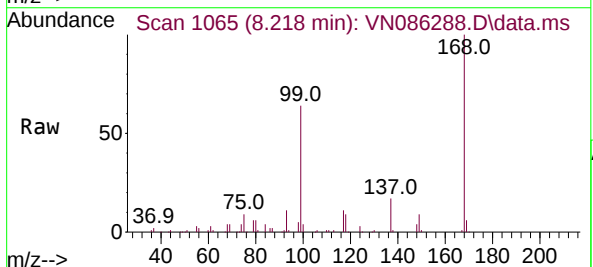
Tgt Ion: 117 Resp: 22073

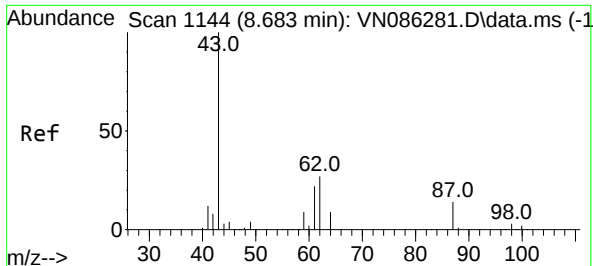
Ion Ratio Lower Upper

117 100

119 3.2 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.688 min Scan# 1145

Delta R.T. 0.005 min

Lab File: VN086288.D

Acq: 16 Apr 2025 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBL01

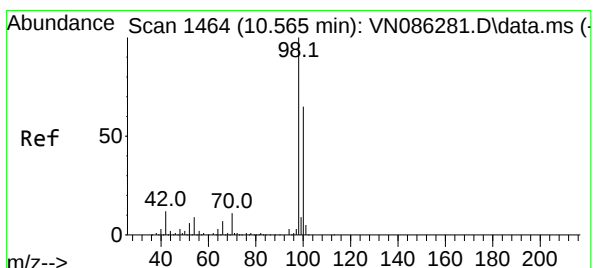
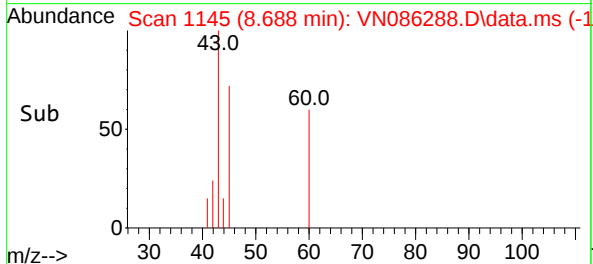
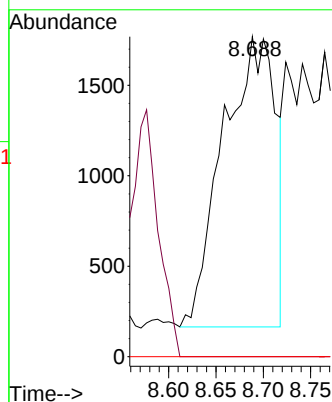
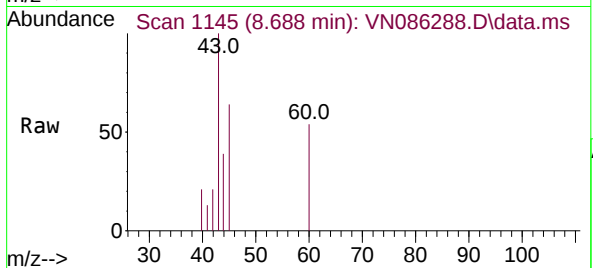
Tgt Ion: 43 Resp: 6190

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#50

Toluene-d8

Concen: 50.637 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086288.D

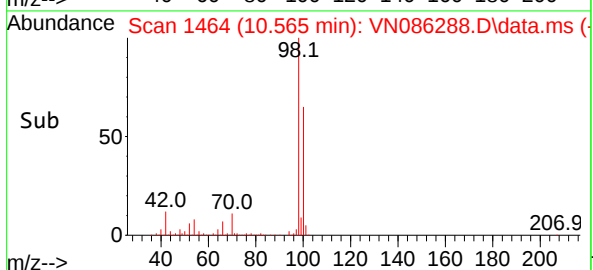
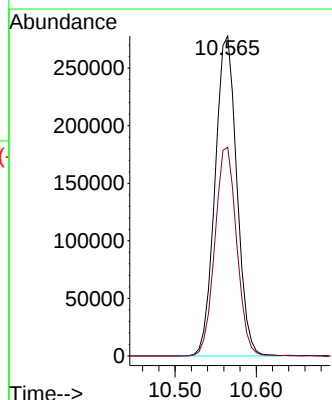
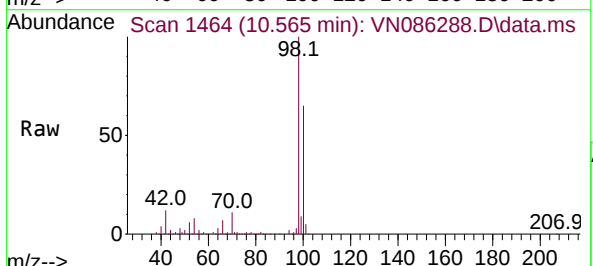
Acq: 16 Apr 2025 10:12

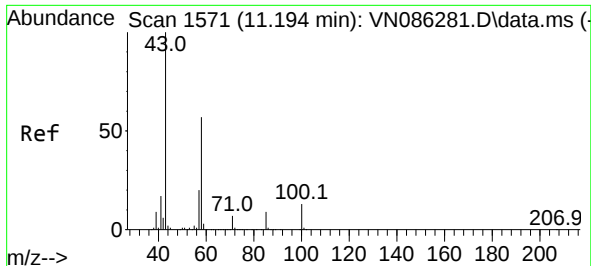
Tgt Ion: 98 Resp: 518345

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7

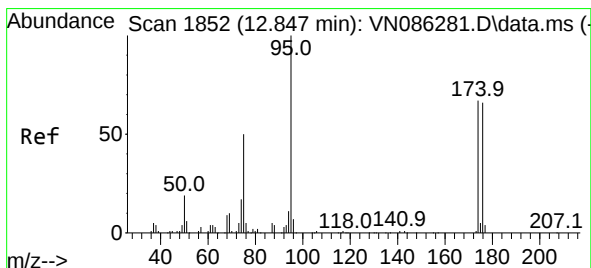
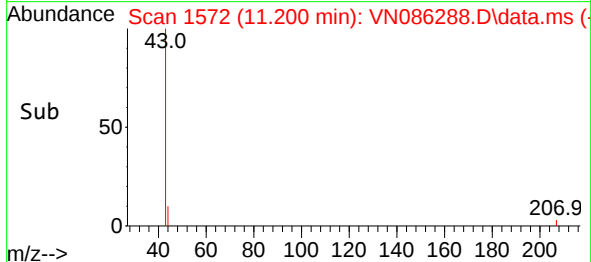
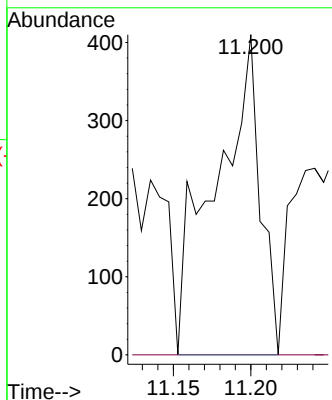
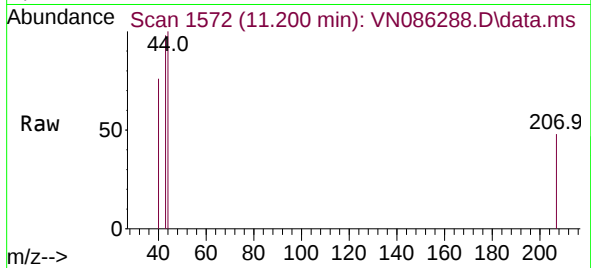




#59
2-Hexanone
Concen: 0.269 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

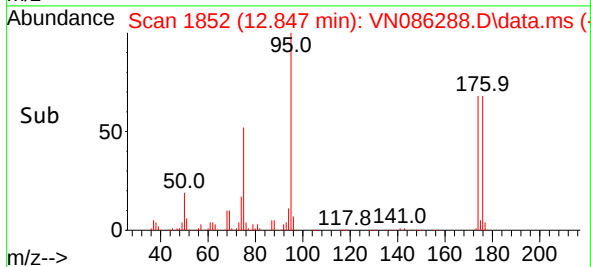
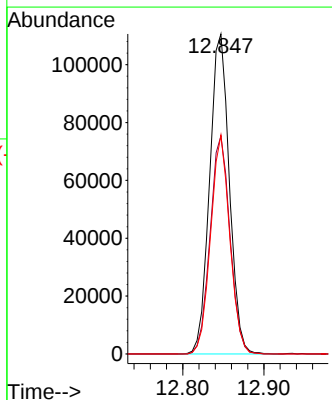
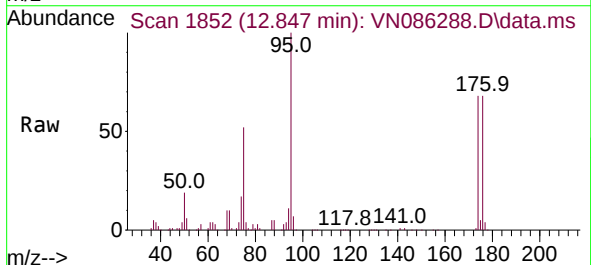
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBL01

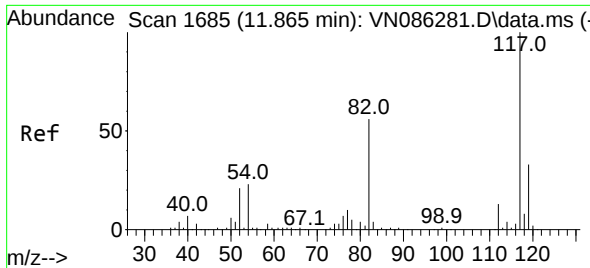
Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
58 0.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 49.873 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

Tgt Ion: 95 Resp: 186209
Ion Ratio Lower Upper
95 100
174 69.0 0.0 133.4
176 66.4 0.0 129.2

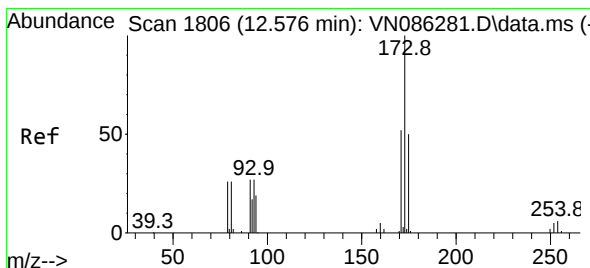
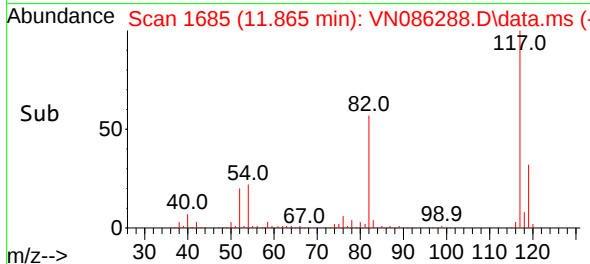
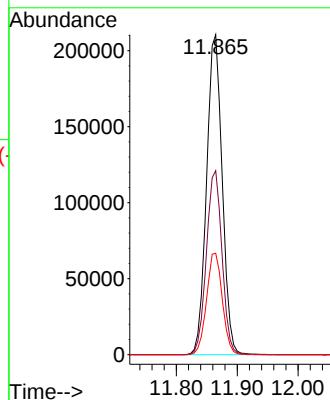
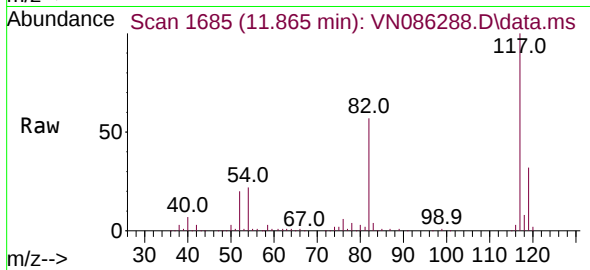




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

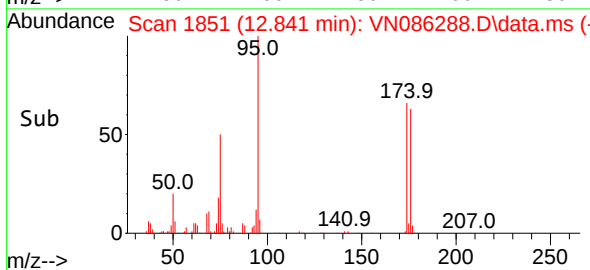
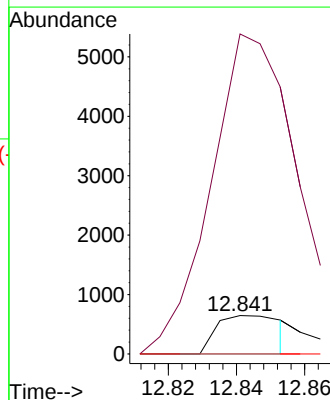
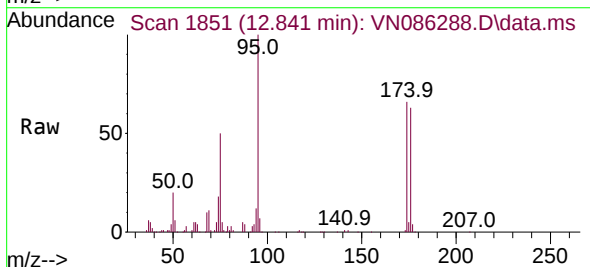
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBL01

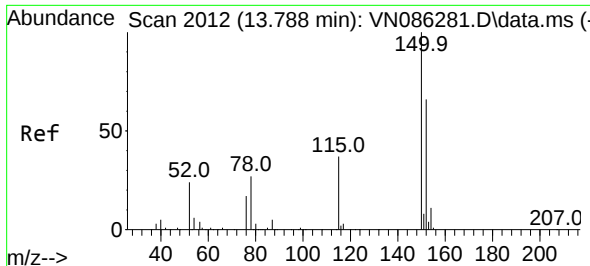
Tgt Ion:117 Resp: 374988
Ion Ratio Lower Upper
117 100
82 57.5 44.7 67.1
119 31.7 26.4 39.6



#71
Bromoform
Concen: 0.410 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

Tgt Ion:173 Resp: 852
Ion Ratio Lower Upper
173 100
175 902.9 24.6 73.6#
254 0.0 0.0 0.0

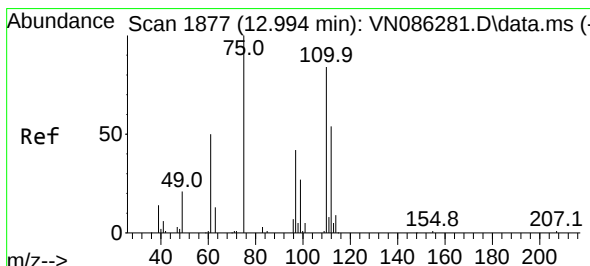
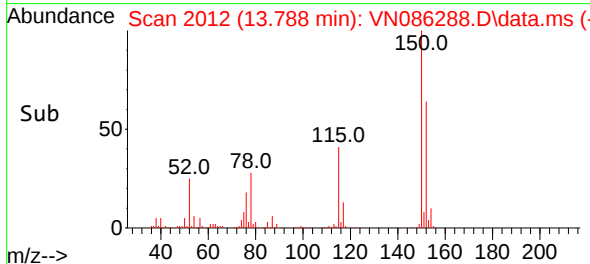
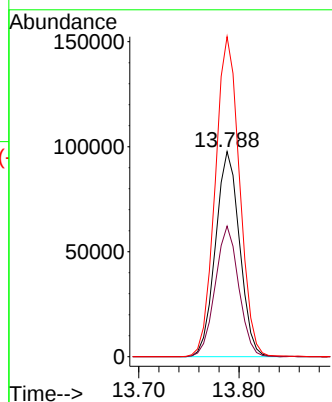
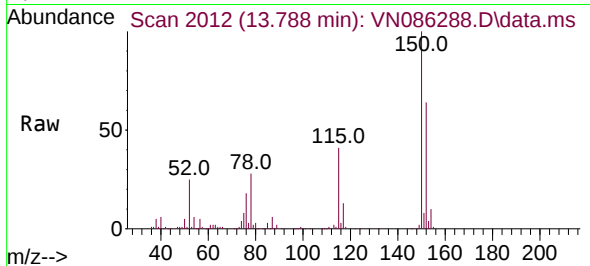




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086288.D
 Acq: 16 Apr 2025 10:12

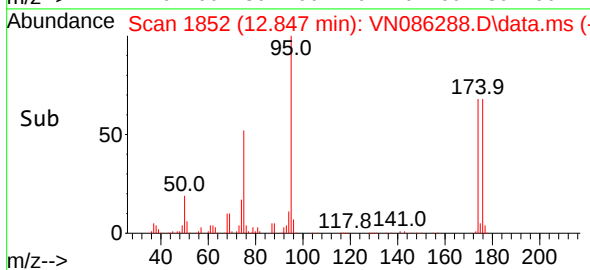
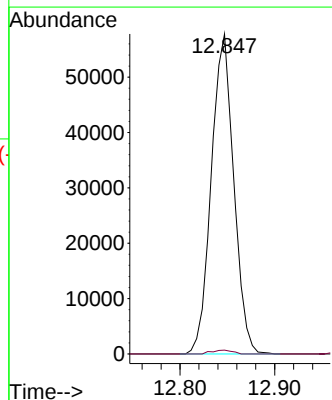
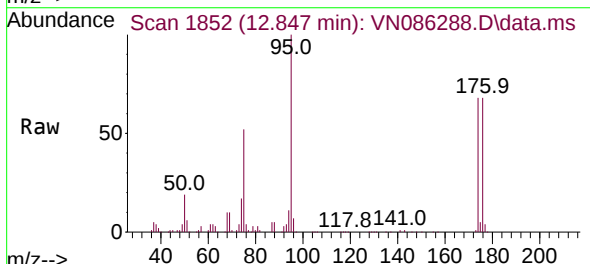
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBL01

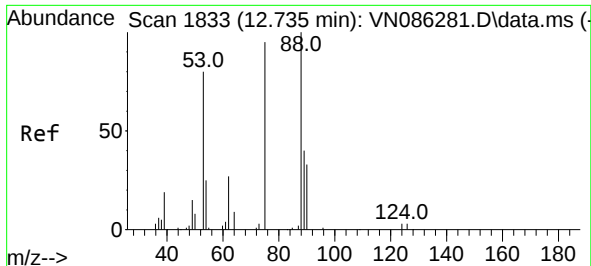
Tgt Ion:152 Resp: 162383
 Ion Ratio Lower Upper
 152 100
 115 62.1 31.9 95.9
 150 158.0 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.839 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086288.D
 Acq: 16 Apr 2025 10:12

Tgt Ion: 75 Resp: 95184
 Ion Ratio Lower Upper
 75 100
 77 1.1 98.8 296.4#

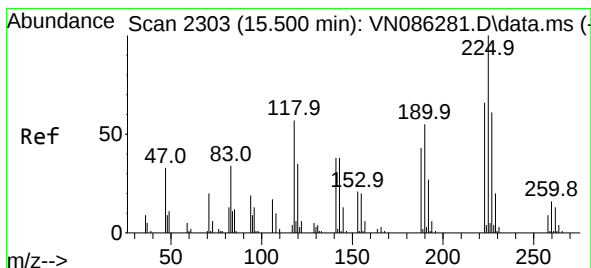
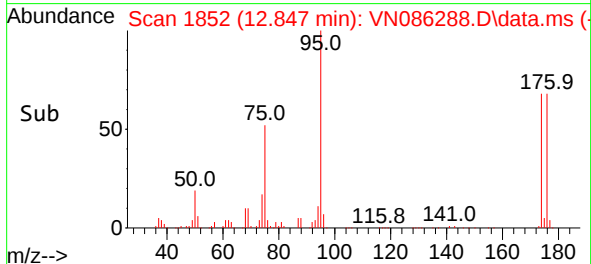
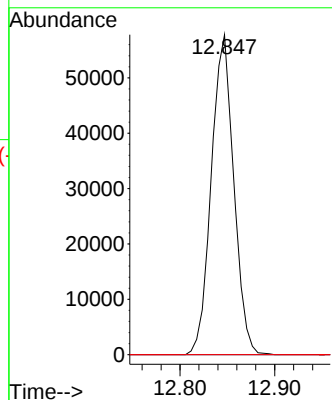
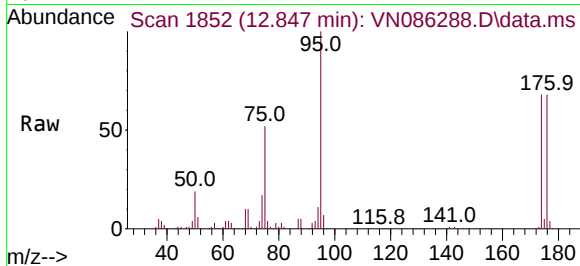




#81
trans-1,4-Dichloro-2-butene
Concen: 59.655 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

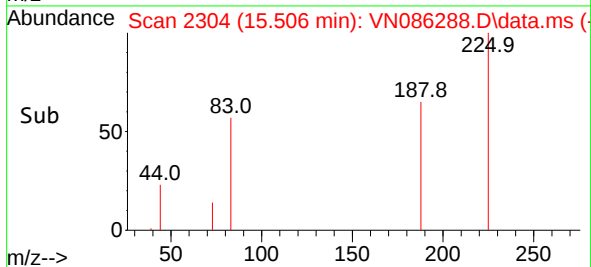
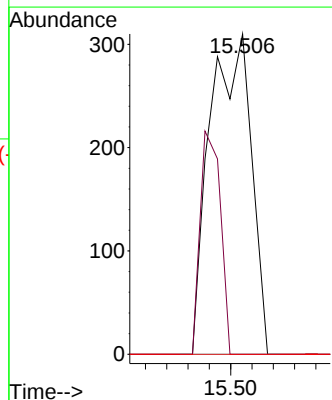
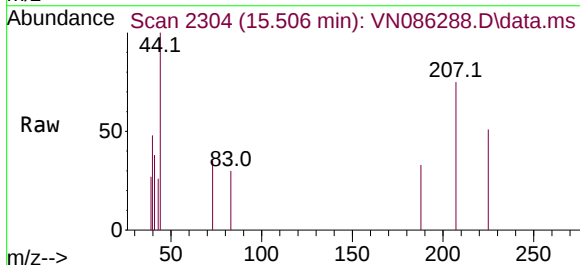
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBL01

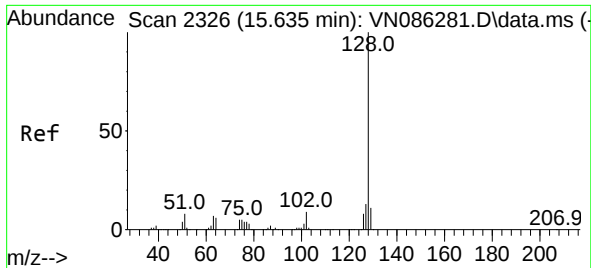
Tgt Ion: 75 Resp: 95184
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#94
Hexachlorobutadiene
Concen: 0.431 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

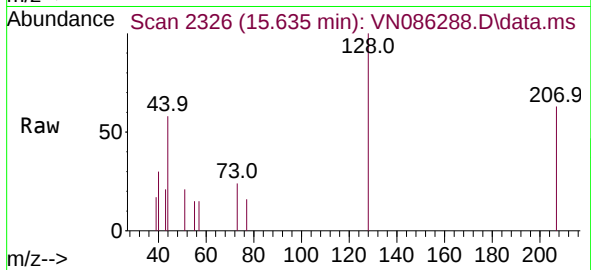
Tgt Ion: 225 Resp: 418
Ion Ratio Lower Upper
225 100
223 34.2 32.8 98.3
227 0.0 31.4 94.0#





#95
Naphthalene
Concen: 0.221 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086288.D
Acq: 16 Apr 2025 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBL01



Tgt Ion:128 Resp: 2015
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 13.0#

