

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086306.D
 Acq On : 16 Apr 2025 18:51
 Operator : JC\MD
 Sample : Q1791-09 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VB16193

Quant Time: Apr 17 03:09:04 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)

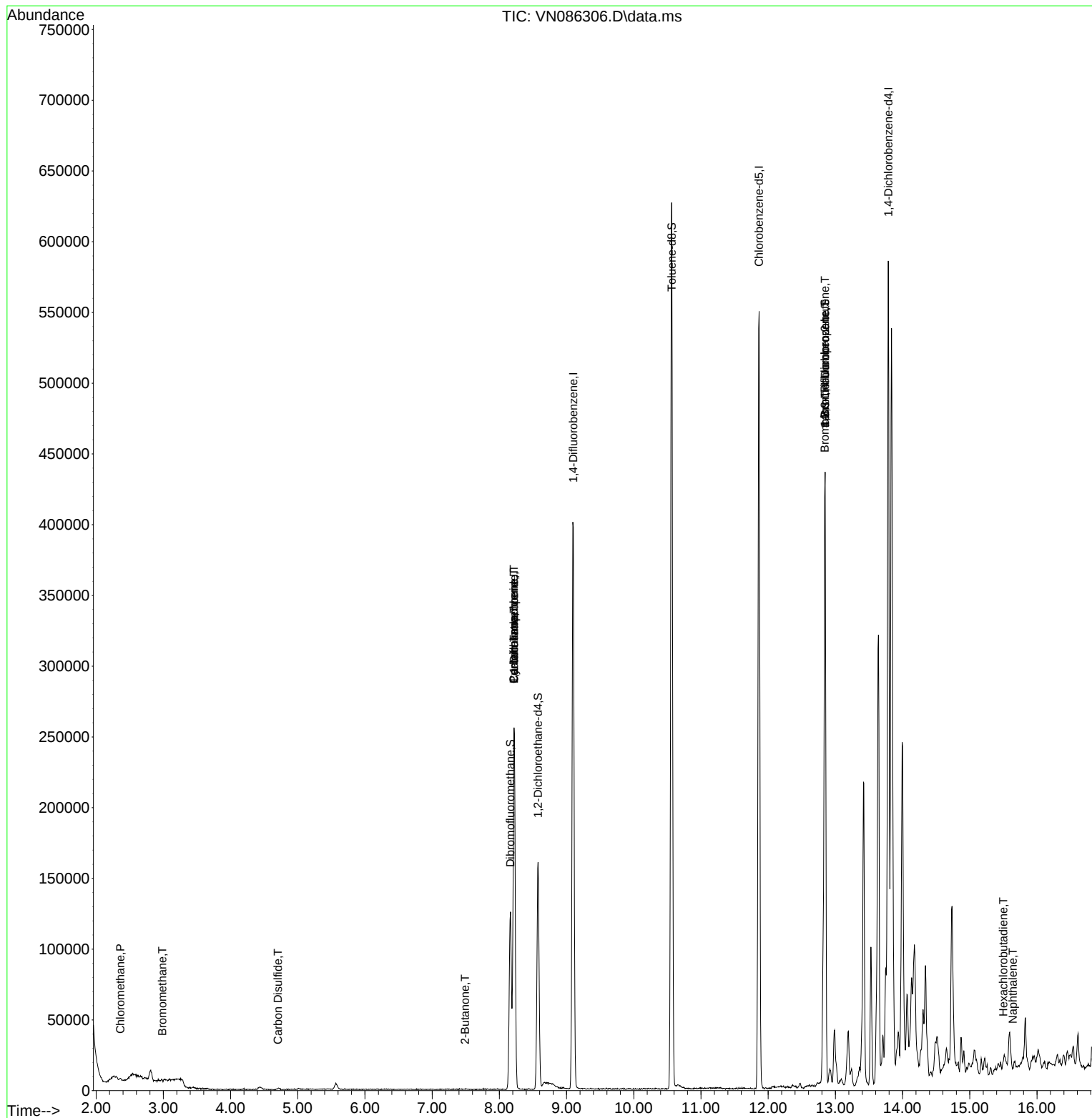
Internal Standards						
1) Pentafluorobenzene	8.218	168	188109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	358596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	144011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133007	48.761	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	97.520%	
35) Dibromofluoromethane	8.165	113	93294	56.056	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	112.120%	
50) Toluene-d8	10.565	98	444683	49.994	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	99.980%	
62) 4-Bromofluorobenzene	12.847	95	162821	50.187	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	100.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1190	0.367	ug/l	100
5) Bromomethane	2.983	94	561	0.403	ug/l	94
13) Acrolein	4.177	56	54	Below Cal	#	1
16) Acetone	4.436	43	3798	Below Cal		92
17) Carbon Disulfide	4.706	76	1657	0.250	ug/l #	74
25) 2-Butanone	7.488	43	603	0.355	ug/l #	48
31) Cyclohexane	8.218	56	4483	1.014	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15968	4.804	ug/l #	50
38) Carbon Tetrachloride	8.218	117	19578	6.184	ug/l #	15
43) Isopropyl Acetate	8.682	43	5971	Below Cal	#	55
71) Bromoform	12.841	173	809	0.449	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	80327	23.636	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80327	56.766	ug/l #	10
94) Hexachlorobutadiene	15.500	225	192	0.223	ug/l #	18
95) Naphthalene	15.641	128	1750	0.217	ug/l #	83

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

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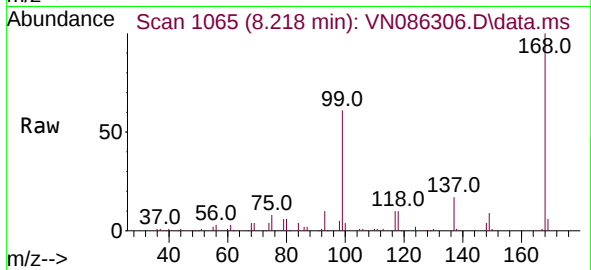
Quant Time: Apr 17 03:09:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
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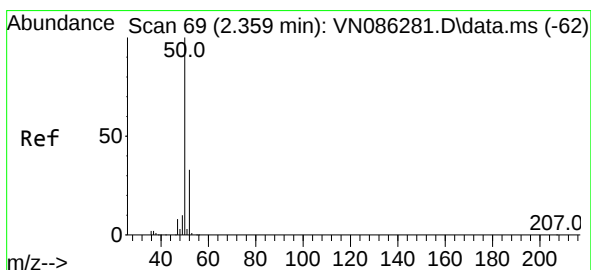
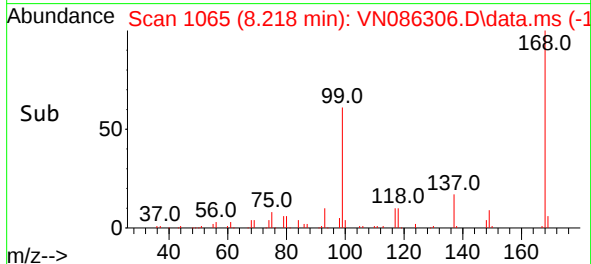
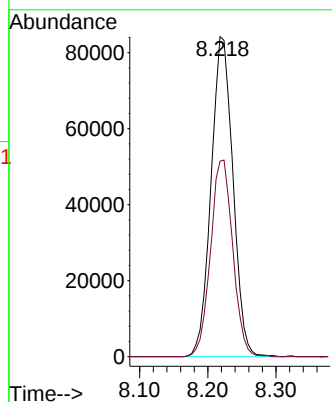


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

Instrument :
MSVOA_N
ClientSampleId :
VB16193

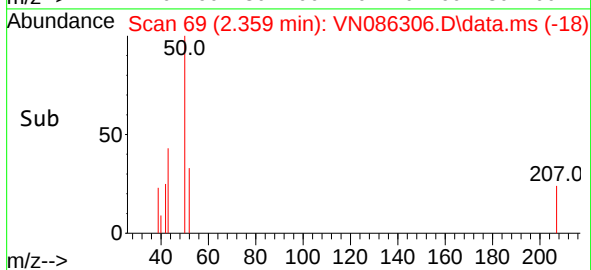
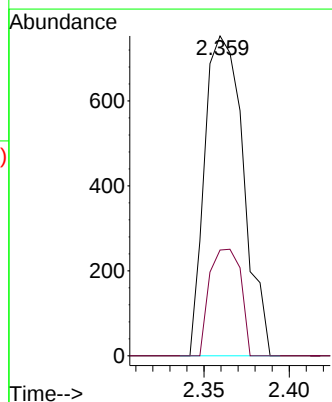
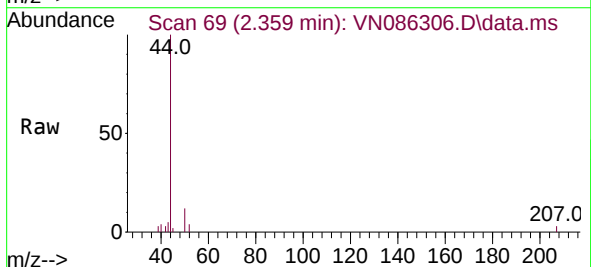


Tgt Ion:168 Resp: 188109
Ion Ratio Lower Upper
168 100
99 61.1 52.5 78.7



#3
Chloromethane
Concen: 0.367 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

Tgt Ion: 50 Resp: 1190
Ion Ratio Lower Upper
50 100
52 33.1 26.5 39.7

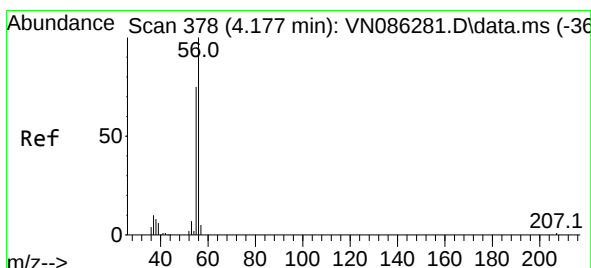
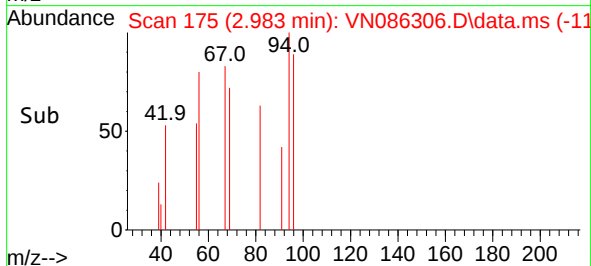
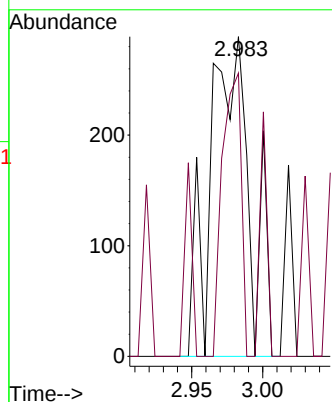
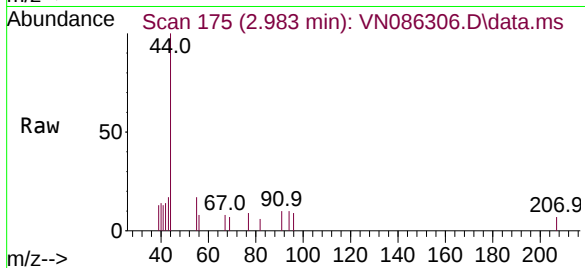




#5
Bromomethane
Concen: 0.403 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

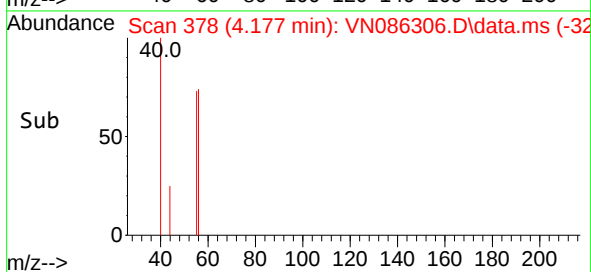
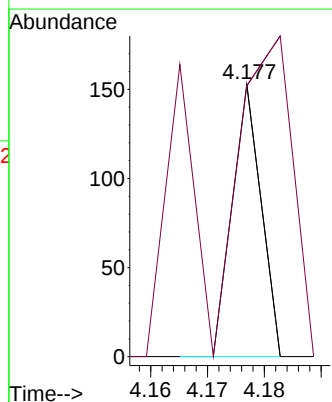
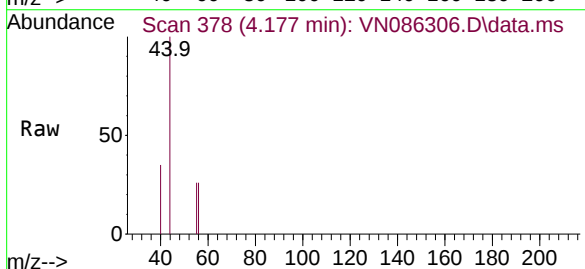
Instrument :
MSVOA_N
ClientSampleId :
VB16193

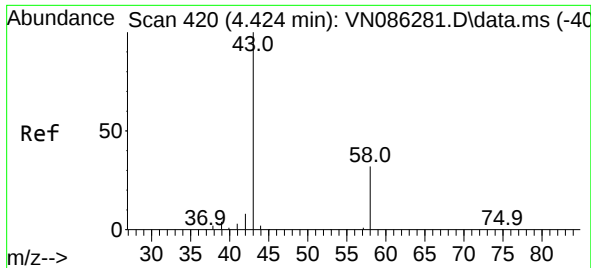
Tgt Ion: 94 Resp: 561
Ion Ratio Lower Upper
94 100
96 88.6 75.2 112.8



#13
Acrolein
Concen: Below Cal
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 324.1 58.5 87.7#





#16

Acetone

Concen: Below Cal

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN086306.D

Acq: 16 Apr 2025 18:51

Instrument :

MSVOA_N

ClientSampleId :

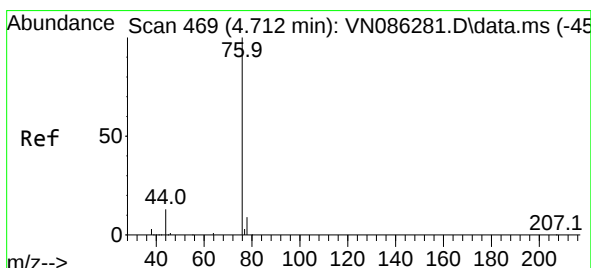
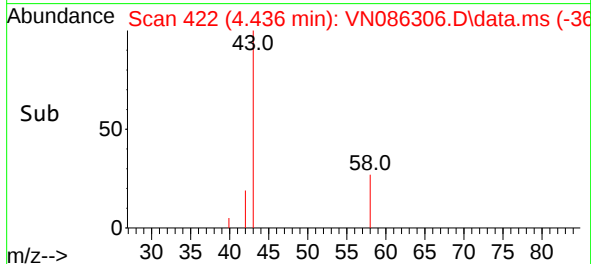
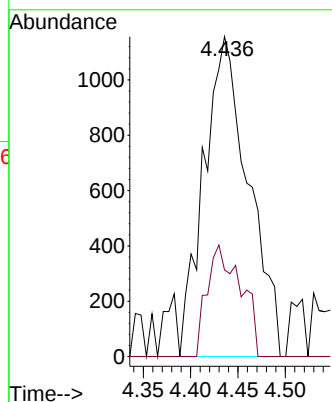
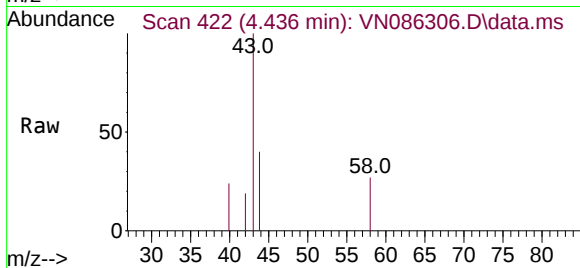
VB16193

Tgt Ion: 43 Resp: 3798

Ion Ratio Lower Upper

43 100

58 27.1 25.3 37.9



#17

Carbon Disulfide

Concen: 0.250 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN086306.D

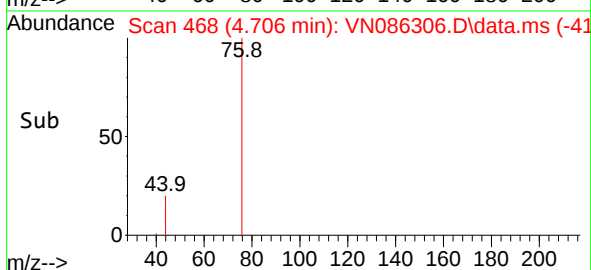
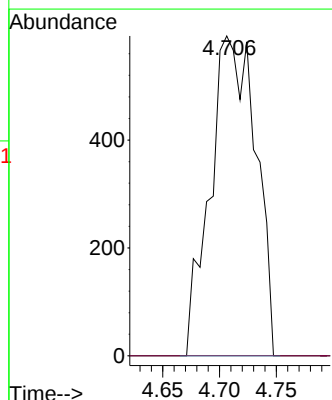
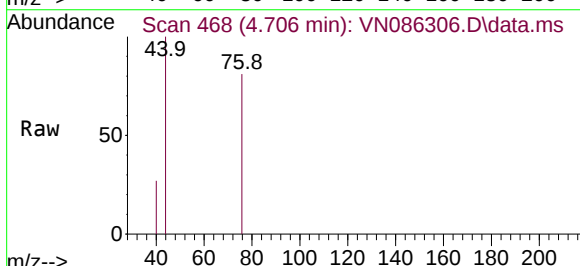
Acq: 16 Apr 2025 18:51

Tgt Ion: 76 Resp: 1657

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#

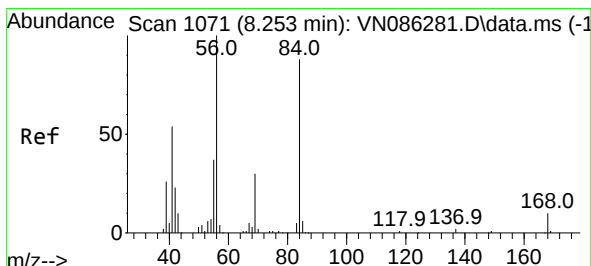
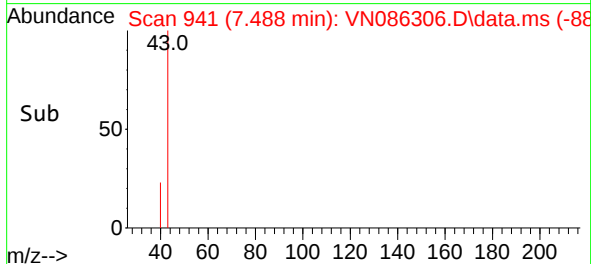
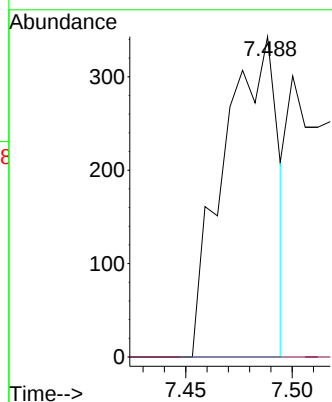
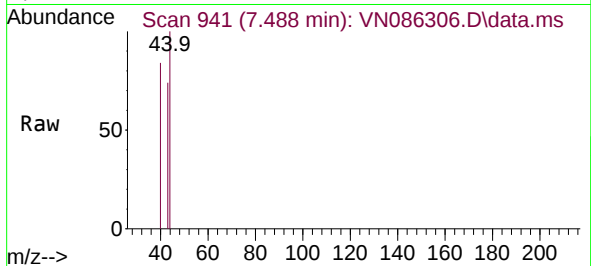




#25
2-Butanone
Concen: 0.355 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

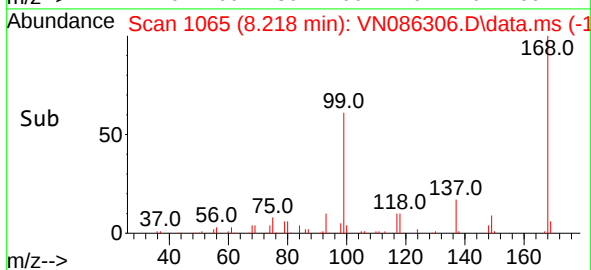
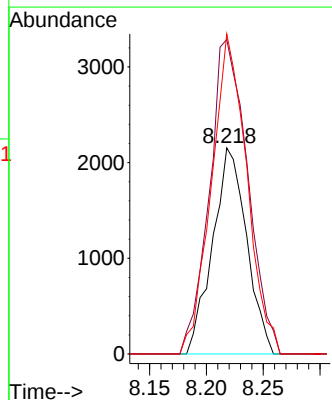
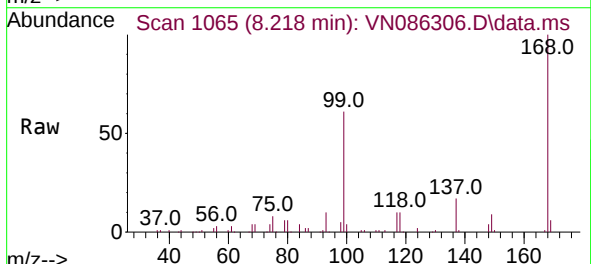
Instrument :
MSVOA_N
ClientSampleId :
VB16193

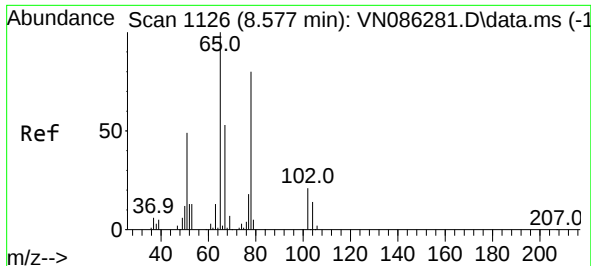
Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 1.014 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

Tgt Ion: 56 Resp: 4483
Ion Ratio Lower Upper
56 100
69 152.6 24.2 36.2#
84 155.2 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 48.761 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086306.D

Acq: 16 Apr 2025 18:51

Instrument :

MSVOA_N

ClientSampleId :

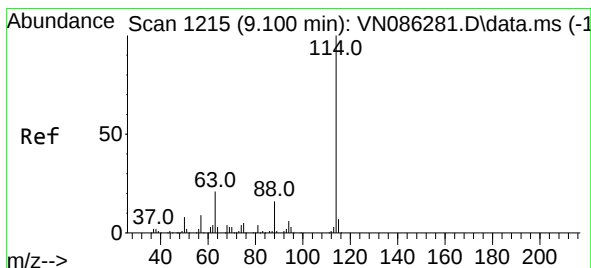
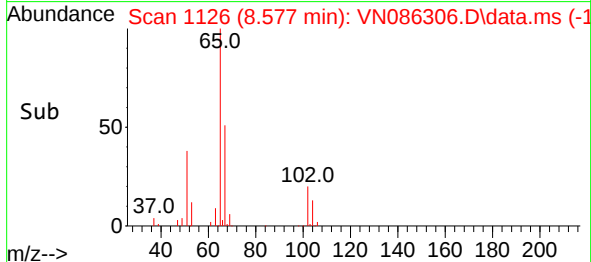
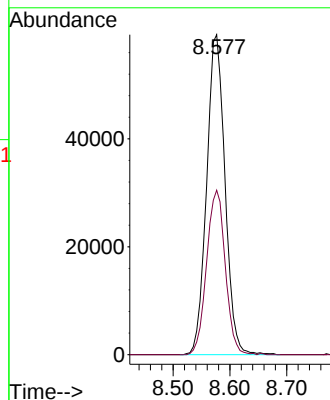
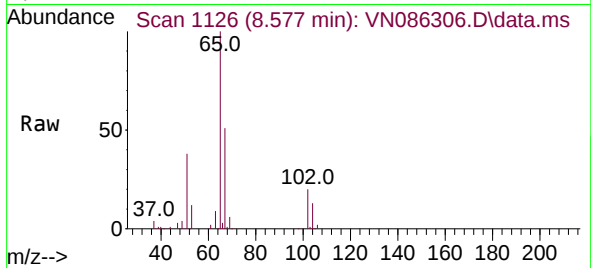
VB16193

Tgt Ion: 65 Resp: 133007

Ion Ratio Lower Upper

65 100

67 52.2 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: VN086306.D

Acq: 16 Apr 2025 18:51

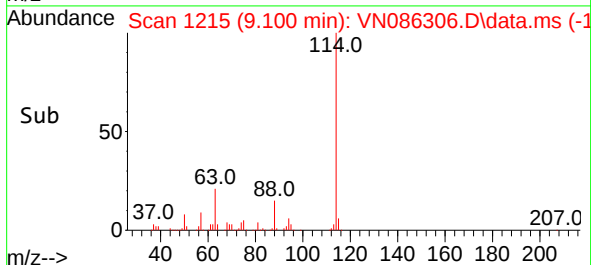
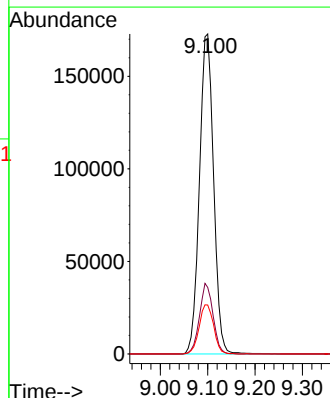
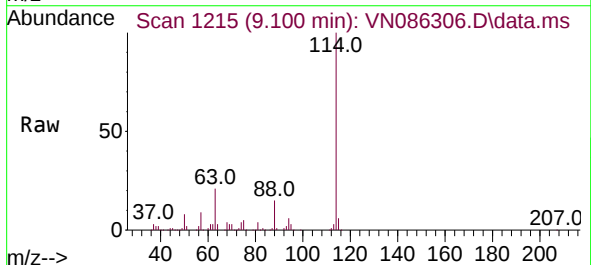
Tgt Ion: 114 Resp: 358596

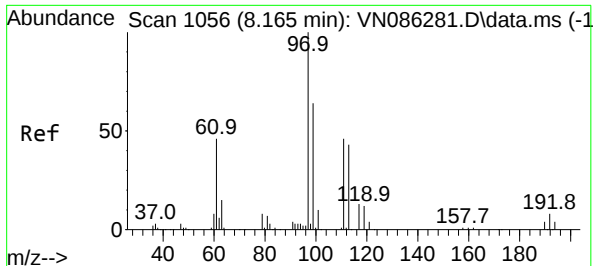
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 15.3 0.0 31.8

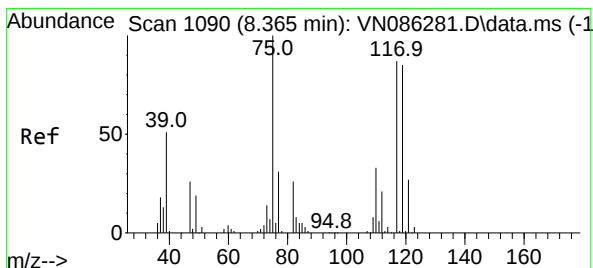
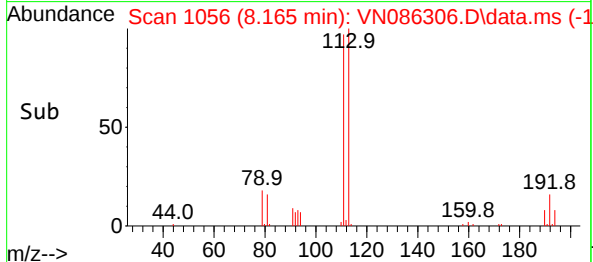
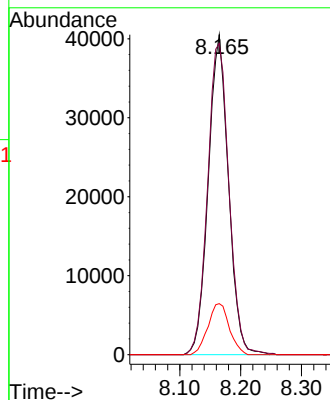
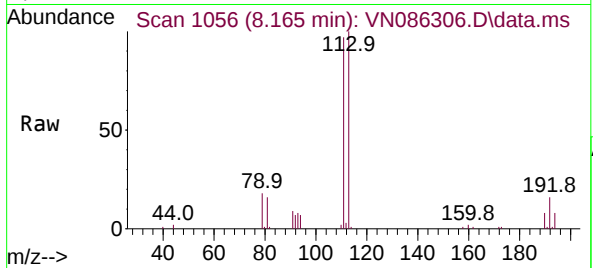




#35
Dibromofluoromethane
Concen: 56.056 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

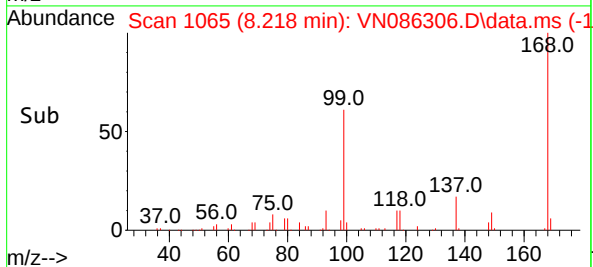
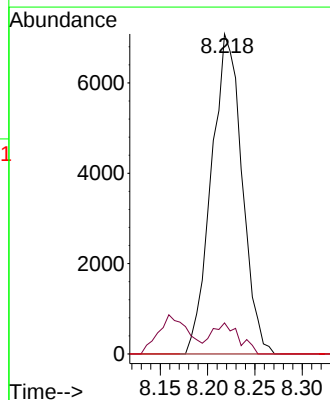
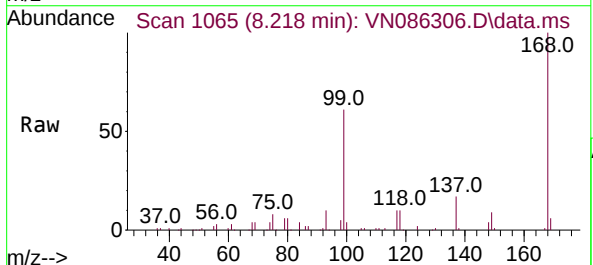
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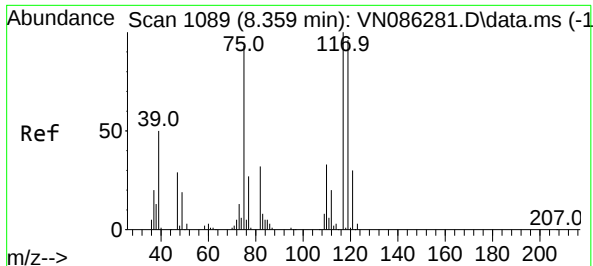
Tgt Ion:113 Resp: 93294
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.0
192 16.9 13.7 20.5



#36
1,1-Dichloropropene
Concen: 4.804 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

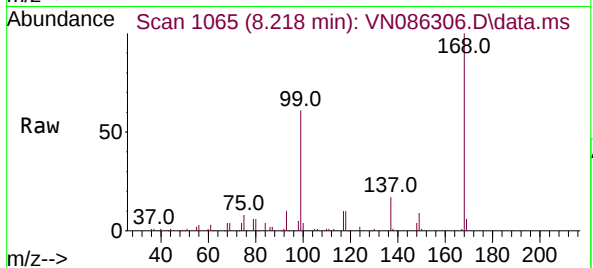
Tgt Ion: 75 Resp: 15968
Ion Ratio Lower Upper
75 100
110 8.6 16.8 50.4#
77 0.0 24.9 37.3#



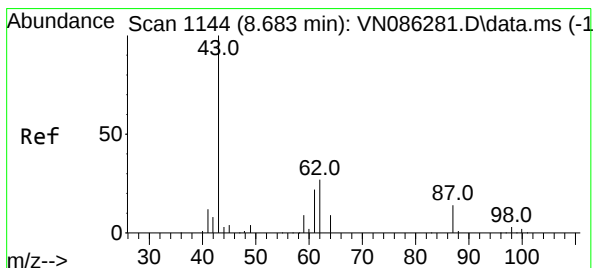
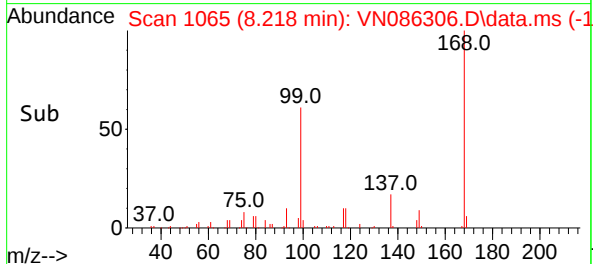
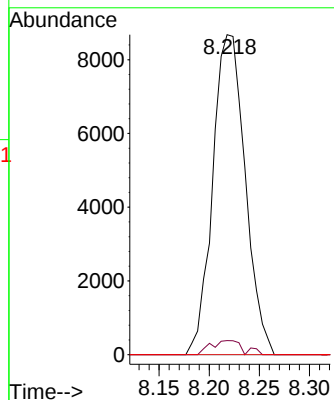


#38
Carbon Tetrachloride
Concen: 6.184 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

Instrument :
MSVOA_N
ClientSampleId :
VB16193

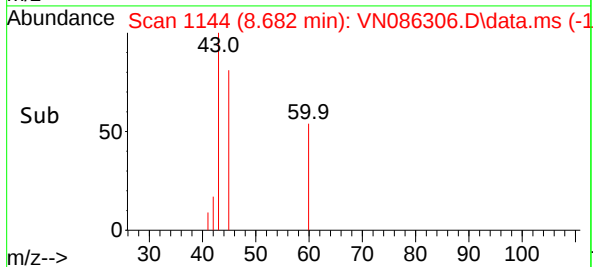
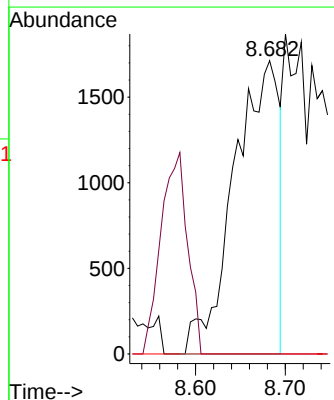
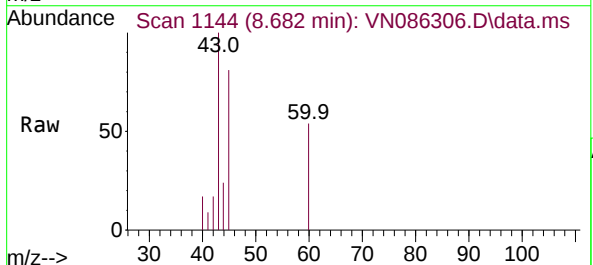


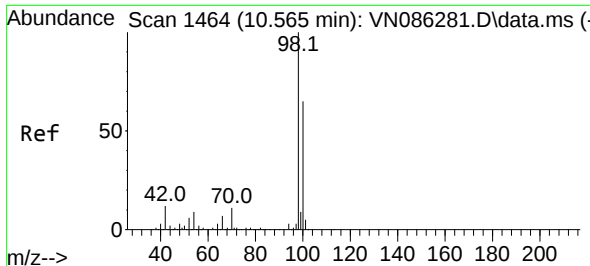
Tgt Ion:117 Resp: 19578
Ion Ratio Lower Upper
117 100
119 4.4 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

Tgt Ion: 43 Resp: 5971
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

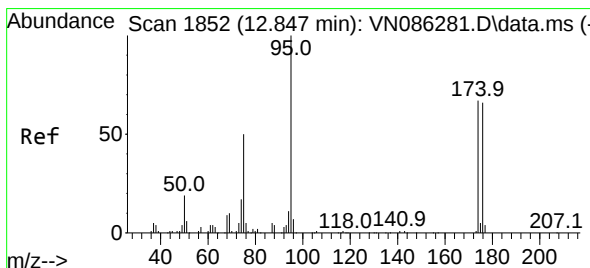
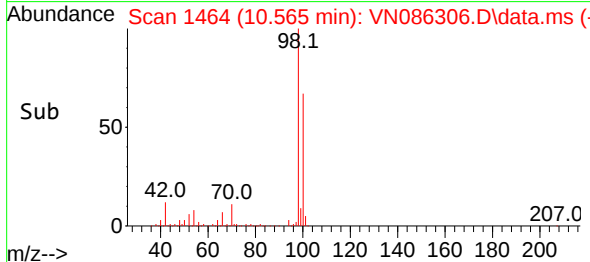
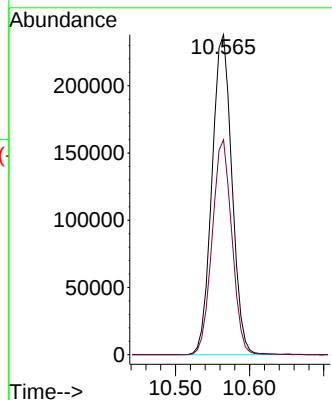
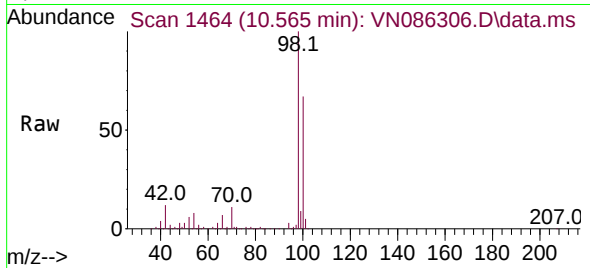




#50
Toluene-d8
Concen: 49.994 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

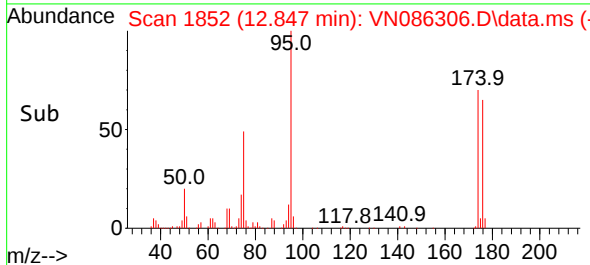
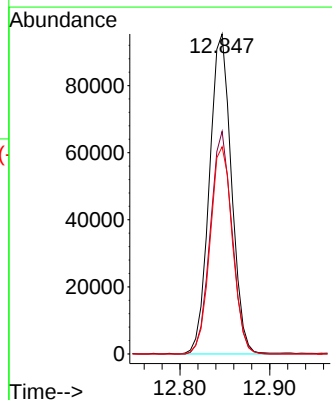
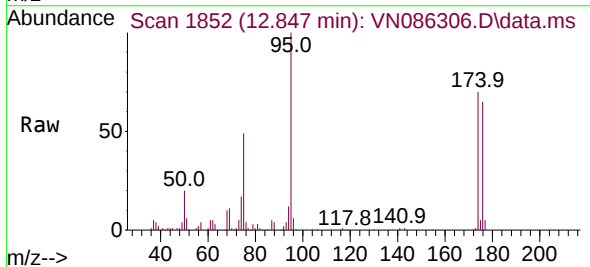
Instrument :
MSVOA_N
ClientSampleId :
VB16193

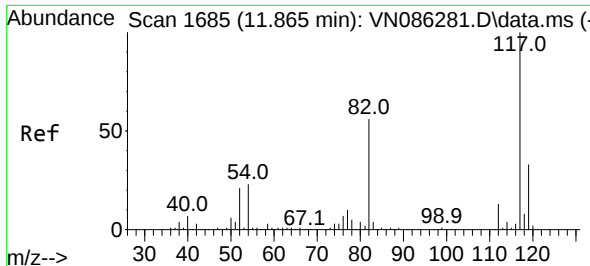
Tgt Ion: 98 Resp: 444683
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 50.187 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

Tgt Ion: 95 Resp: 162821
Ion Ratio Lower Upper
95 100
174 68.4 0.0 133.4
176 65.5 0.0 129.2

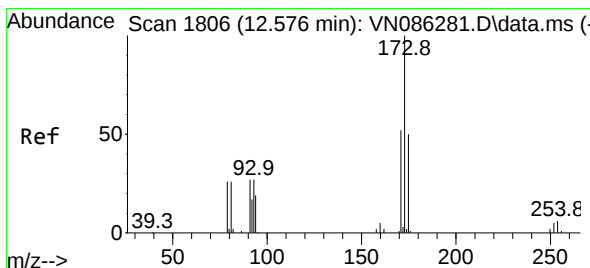
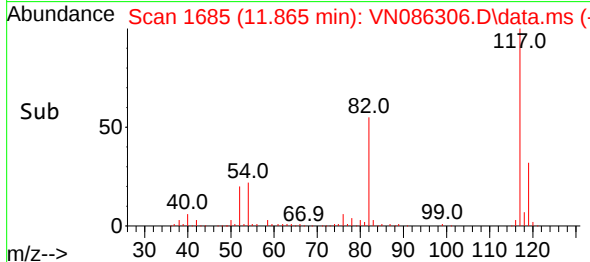
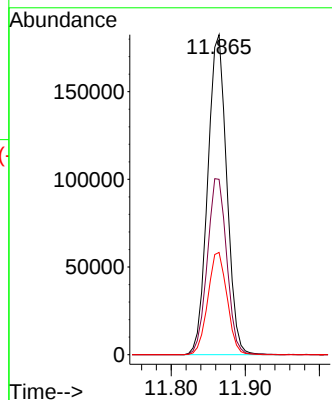
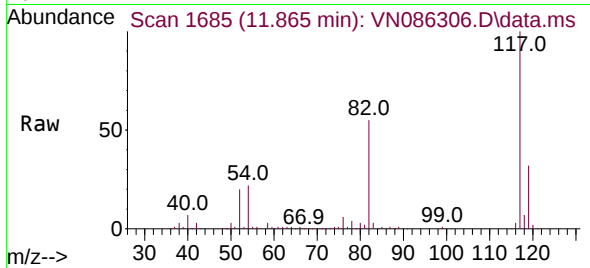




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

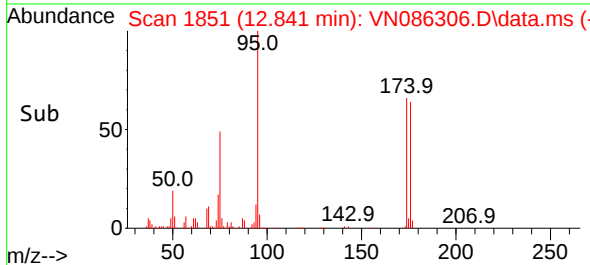
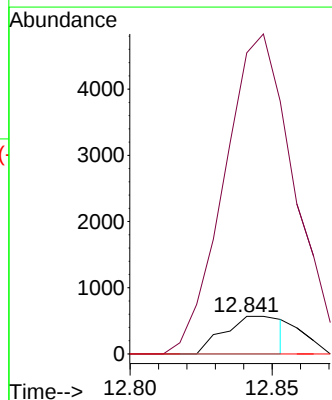
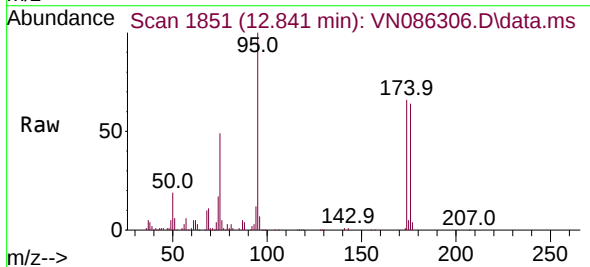
Instrument :
MSVOA_N
ClientSampleId :
VB16193

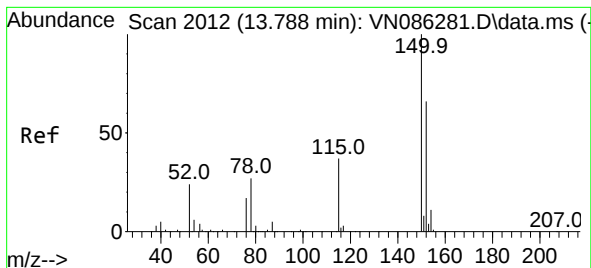
Tgt Ion:117 Resp: 325055
Ion Ratio Lower Upper
117 100
82 54.8 44.7 67.1
119 32.0 26.4 39.6



#71
Bromoform
Concen: 0.449 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

Tgt Ion:173 Resp: 809
Ion Ratio Lower Upper
173 100
175 830.4 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: VN086306.D

Acq: 16 Apr 2025 18:51

Instrument :

MSVOA_N

ClientSampleId :

VB16193

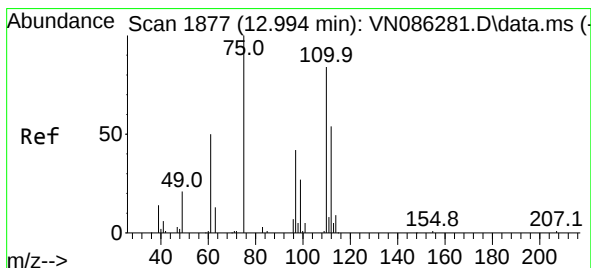
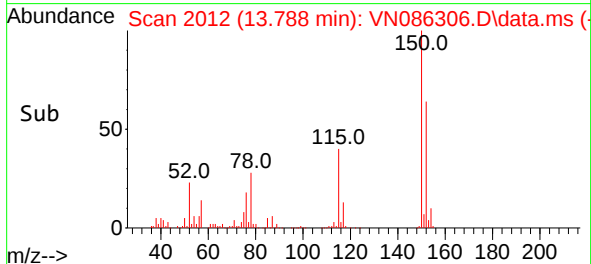
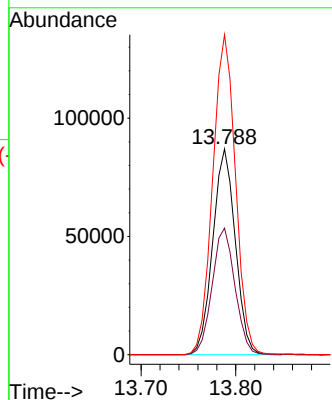
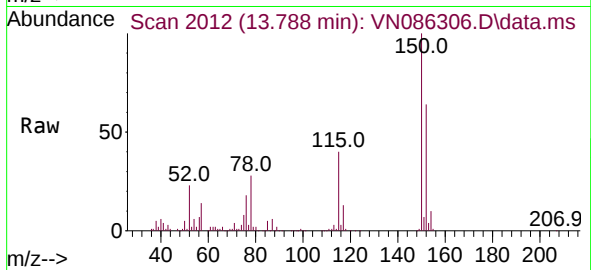
Tgt Ion:152 Resp: 144011

Ion Ratio Lower Upper

152 100

115 62.2 31.9 95.9

150 157.3 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 23.636 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086306.D

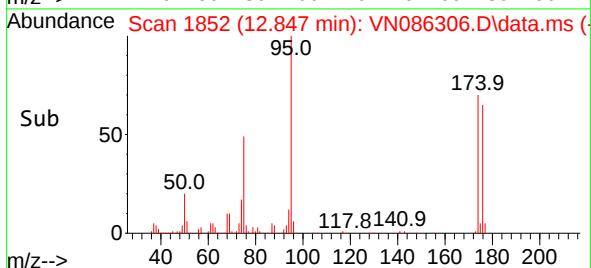
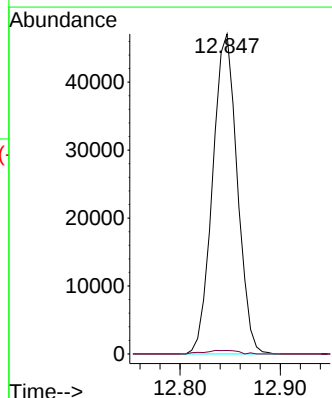
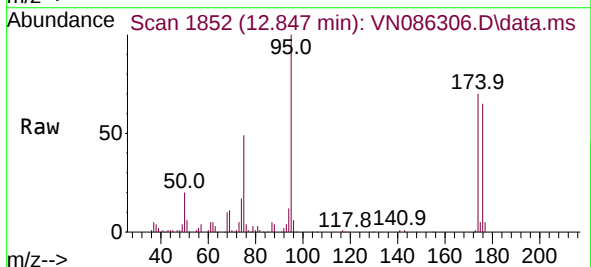
Acq: 16 Apr 2025 18:51

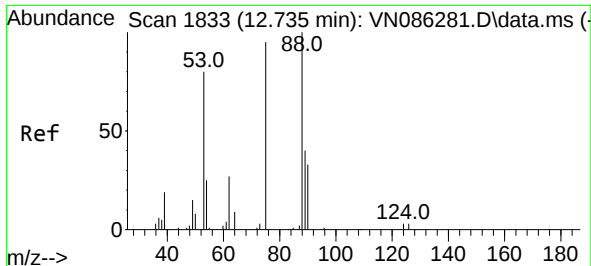
Tgt Ion: 75 Resp: 80327

Ion Ratio Lower Upper

75 100

77 1.5 98.8 296.4#

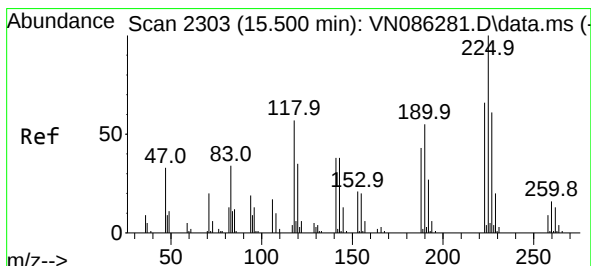
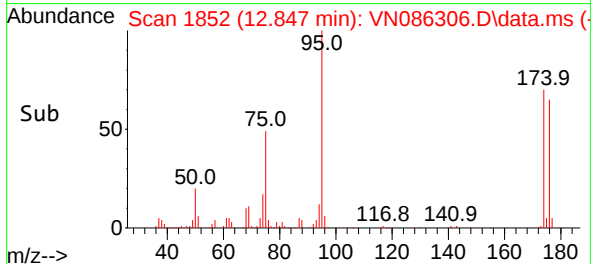
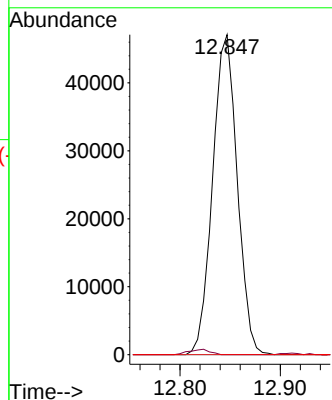
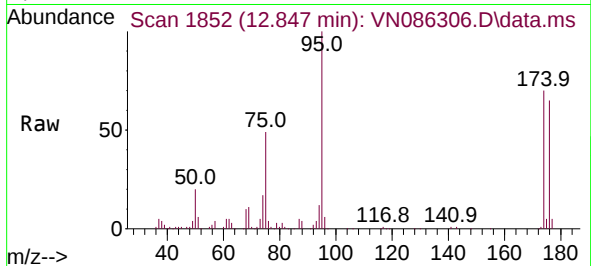




#81
trans-1,4-Dichloro-2-butene
Concen: 56.766 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

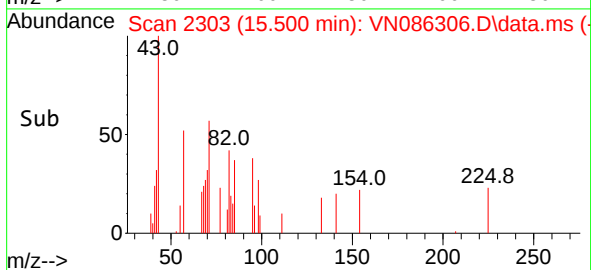
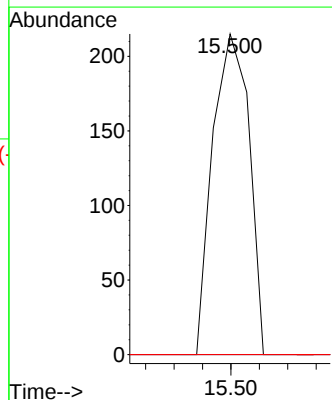
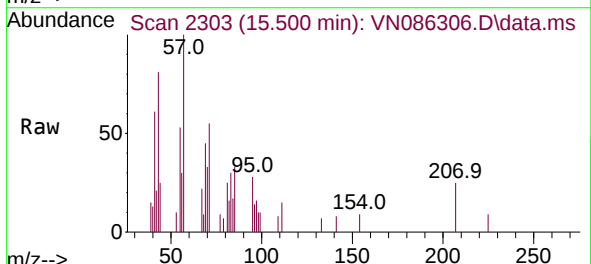
Instrument :
MSVOA_N
ClientSampleId :
VB16193

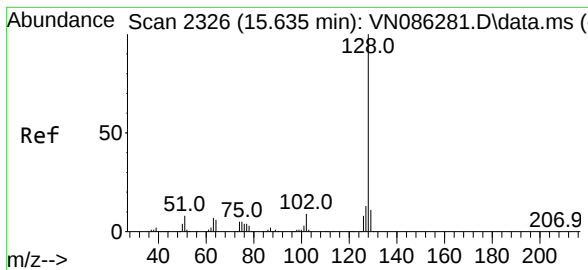
Tgt Ion: 75 Resp: 80327
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#94
Hexachlorobutadiene
Concen: 0.223 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

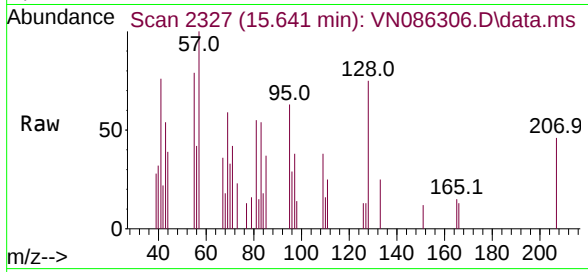
Tgt Ion: 225 Resp: 192
Ion Ratio Lower Upper
225 100
223 0.0 32.8 98.3#
227 0.0 31.4 94.0#





#95
Naphthalene
Concen: 0.217 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086306.D
Acq: 16 Apr 2025 18:51

Instrument :
MSVOA_N
ClientSampleId :
VB16193



Tgt Ion:	128	Resp:	1750
Ion	Ratio	Lower	Upper
128	100		
127	3.1	10.2	15.4#
129	7.9	8.6	13.0#

