

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
 Data File : VN085916.D
 Acq On : 10 Mar 2025 13:22
 Operator : JC\MD
 Sample : VN0310WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 11 01:37:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

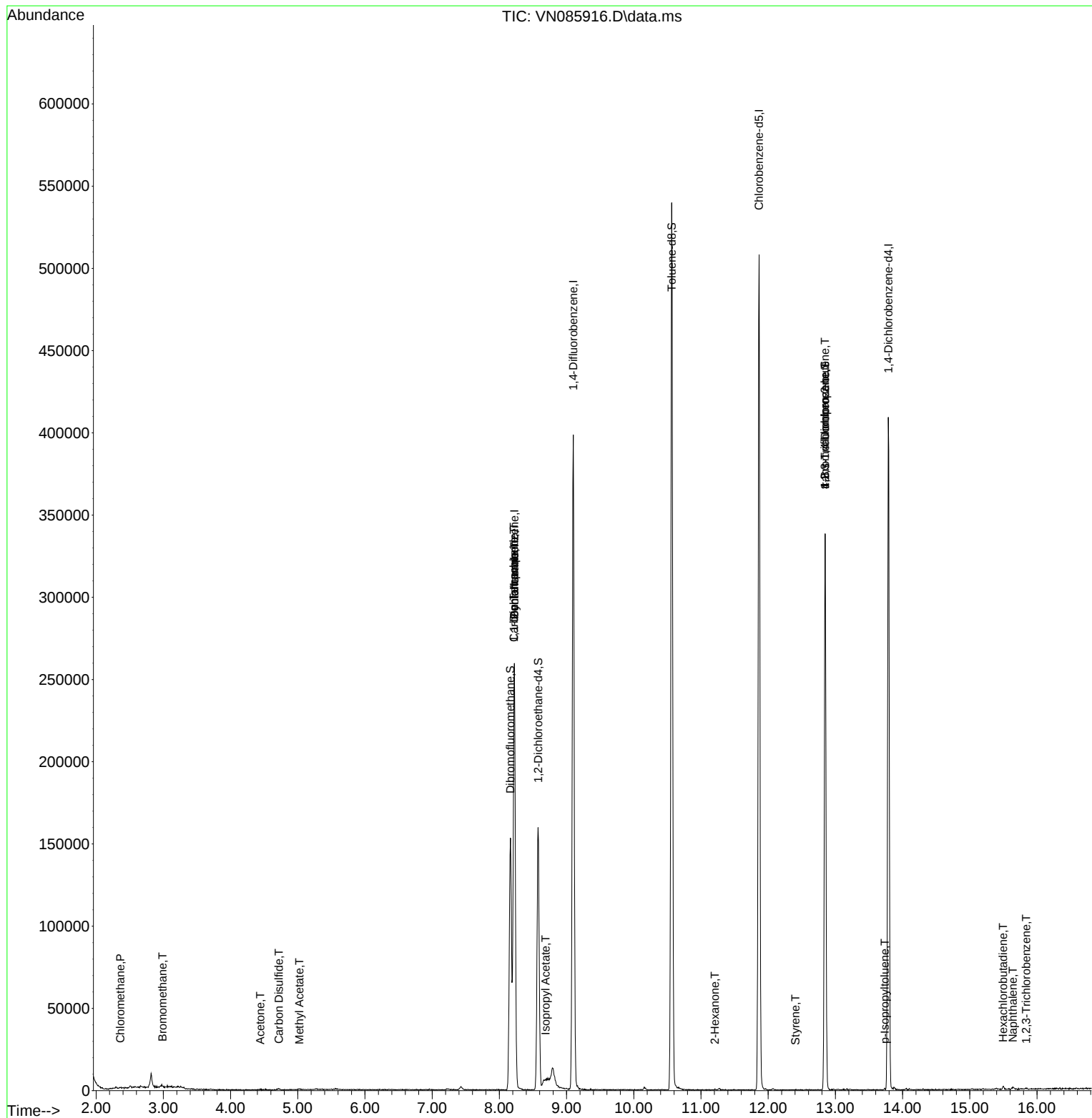
Internal Standards						
1) Pentafluorobenzene	8.224	168	185188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	337149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131135	54.619	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 109.240%		
35) Dibromofluoromethane	8.165	113	111691	50.627	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.260%		
50) Toluene-d8	10.565	98	376828	46.947	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 93.900%		
62) 4-Bromofluorobenzene	12.847	95	118920	44.967	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 89.940%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	646	0.256	ug/l #	41
5) Bromomethane	2.989	94	680	0.397	ug/l #	52
16) Acetone	4.442	43	584	0.769	ug/l #	40
17) Carbon Disulfide	4.718	76	1872	0.311	ug/l #	75
18) Methyl Acetate	5.024	43	1018	0.390	ug/l #	57
31) Cyclohexane	8.224	56	3963	1.156	ug/l #	30
36) 1,1-Dichloropropene	8.218	75	15491	4.961	ug/l #	50
38) Carbon Tetrachloride	8.218	117	18550	5.000	ug/l #	19
43) Isopropyl Acetate	8.688	43	5948	0.781	ug/l #	53
58) 2-Chloroethyl Vinyl ether	10.159	63	863	Below Cal	#	68
59) 2-Hexanone	11.206	43	390	0.229	ug/l #	21
70) Styrene	12.406	104	185	0.612	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	58719	23.458	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58719	68.445	ug/l #	13
86) p-Isopropyltoluene	13.735	119	139	0.647	ug/l #	50
94) Hexachlorobutadiene	15.494	225	591	0.543	ug/l	87
95) Naphthalene	15.641	128	1900	0.387	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.841	180	478	0.266	ug/l #	70

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

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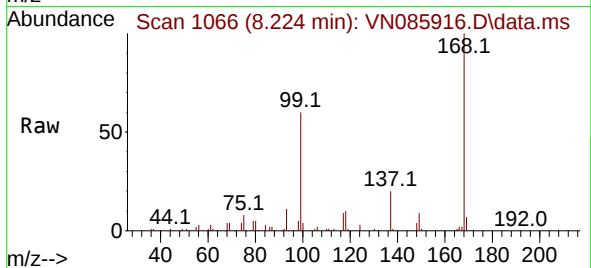
Quant Time: Mar 11 01:37:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
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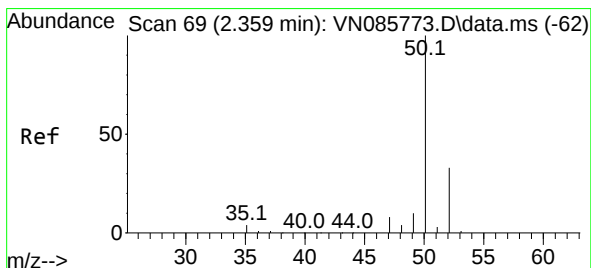
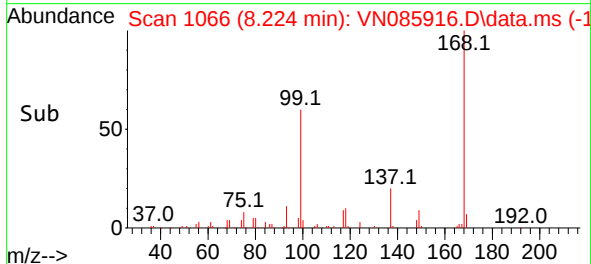
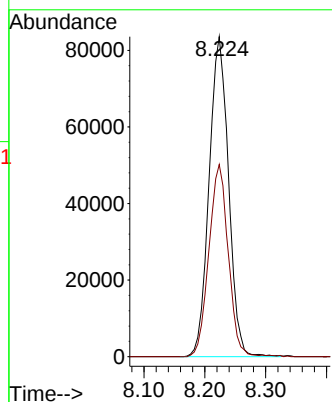


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :

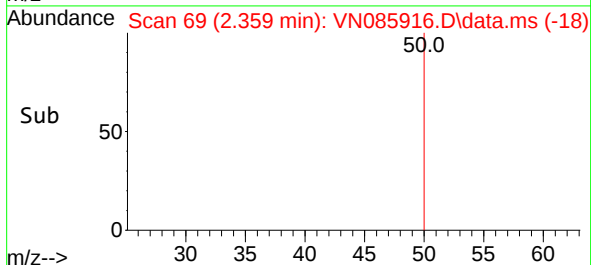
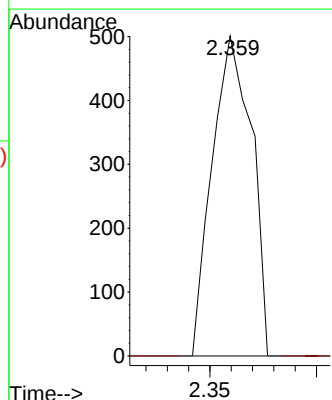
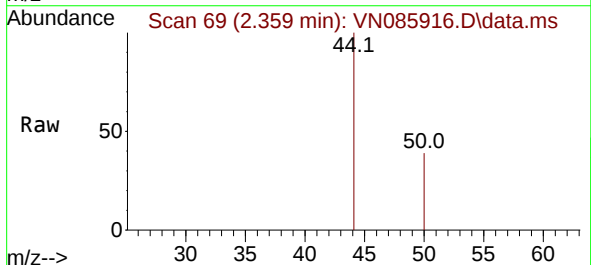


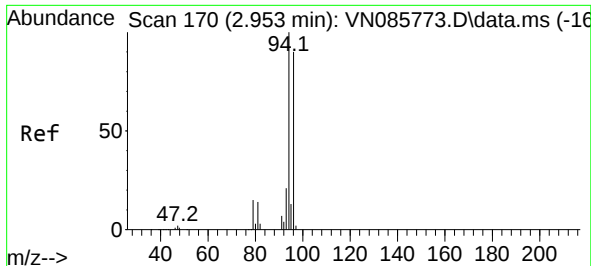
Tgt Ion:168 Resp: 185188
Ion Ratio Lower Upper
168 100
99 60.0 47.9 71.9



#3
Chloromethane
Concen: 0.256 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Tgt Ion: 50 Resp: 646
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

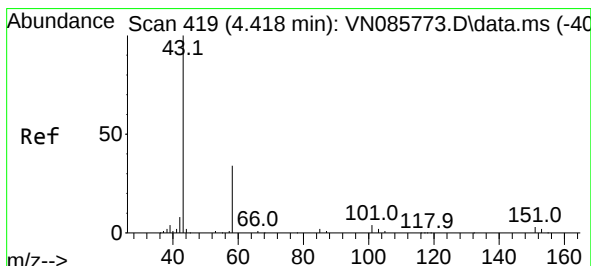
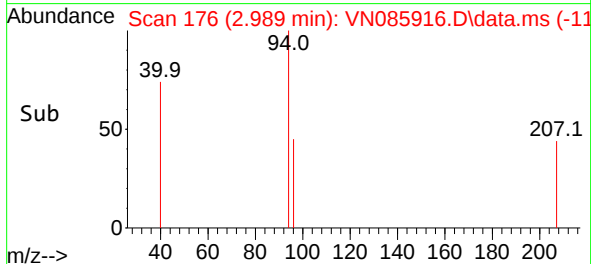
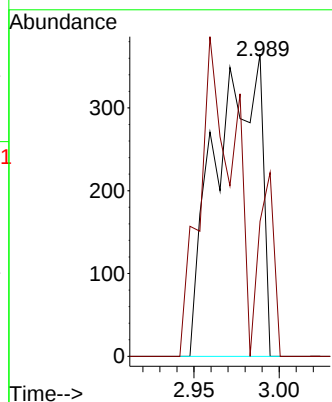
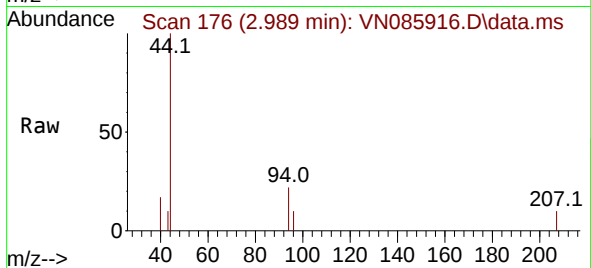




#5
Bromomethane
Concen: 0.397 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

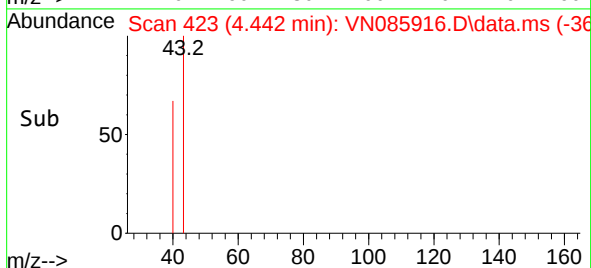
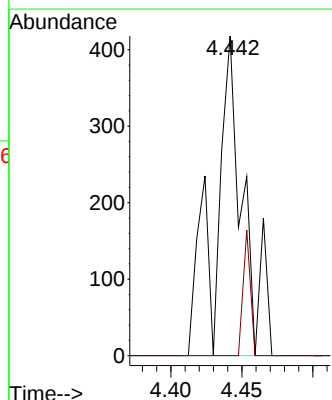
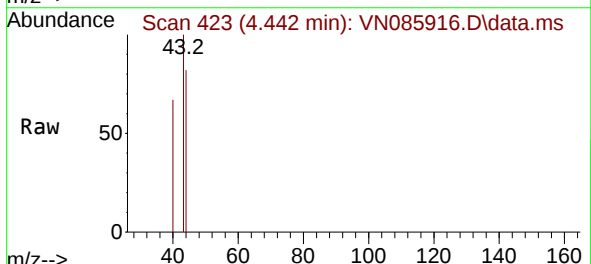
Instrument :
MSVOA_N
ClientSampleId :

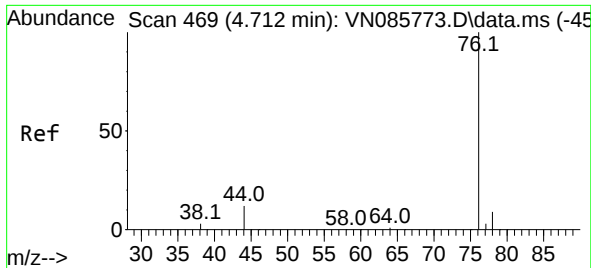
Tgt Ion: 94 Resp: 680
Ion Ratio Lower Upper
94 100
96 44.7 71.7 107.5#



#16
Acetone
Concen: 0.769 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.024 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Tgt Ion: 43 Resp: 584
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#

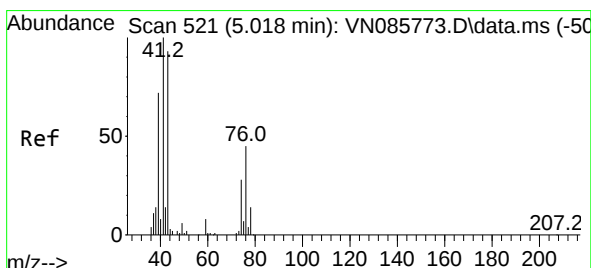
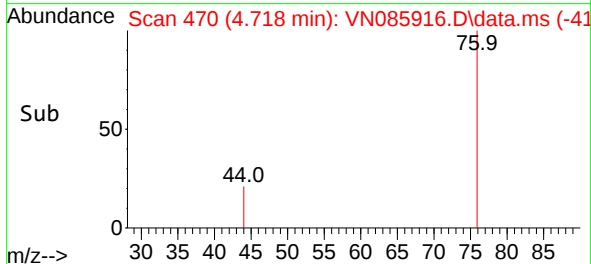
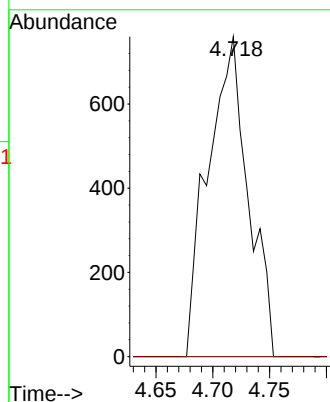
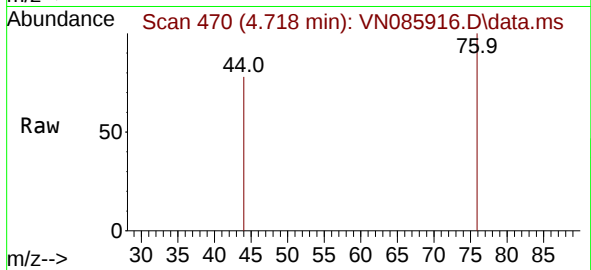




#17
Carbon Disulfide
Concen: 0.311 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

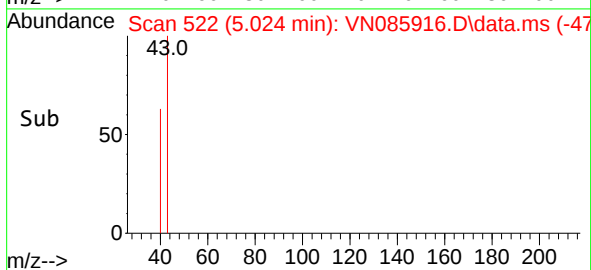
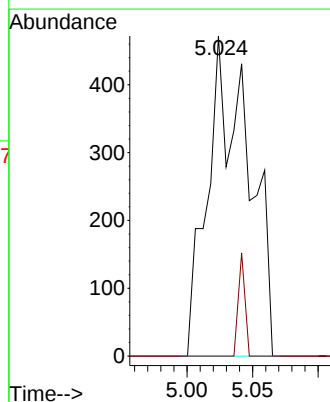
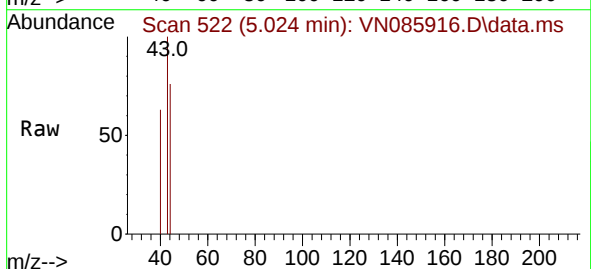
Instrument :
MSVOA_N
ClientSampleId :

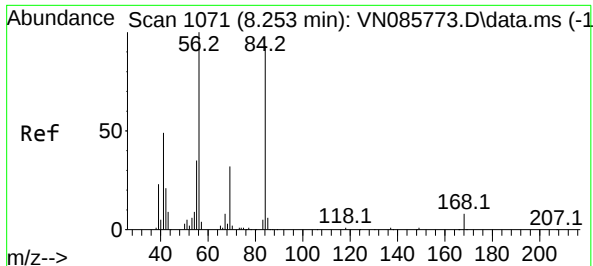
Tgt Ion: 76 Resp: 1872
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.390 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

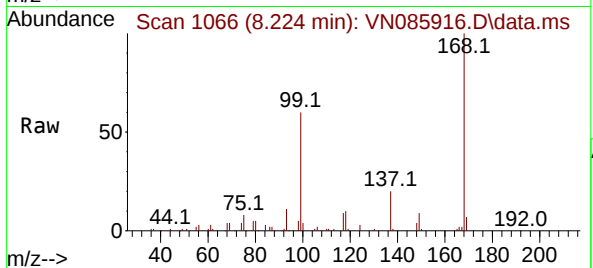
Tgt Ion: 43 Resp: 1018
Ion Ratio Lower Upper
43 100
74 5.3 22.2 33.4#



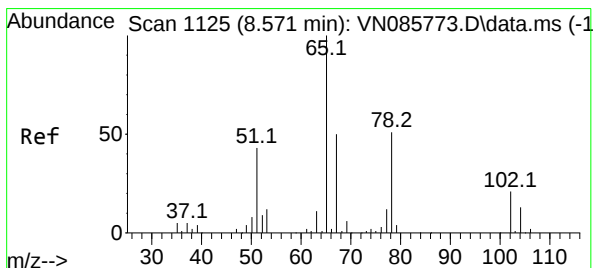
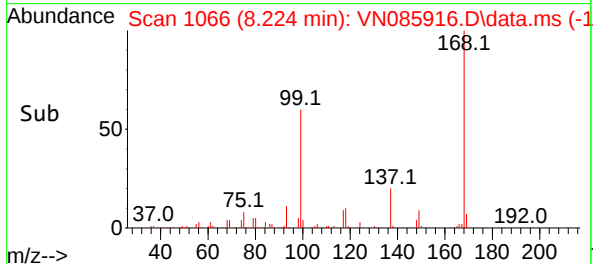
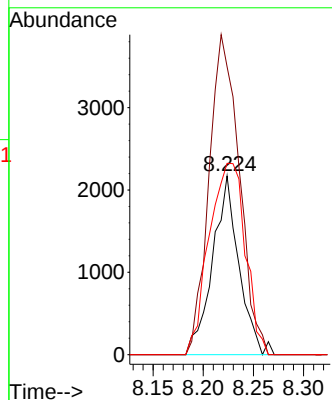


#31
Cyclohexane
Concen: 1.156 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :

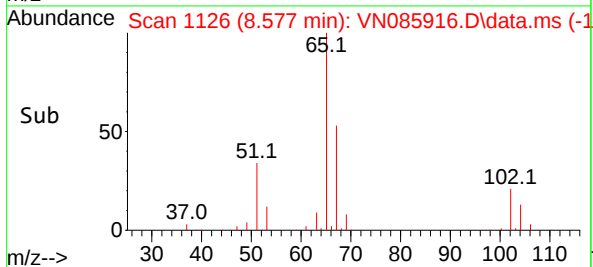
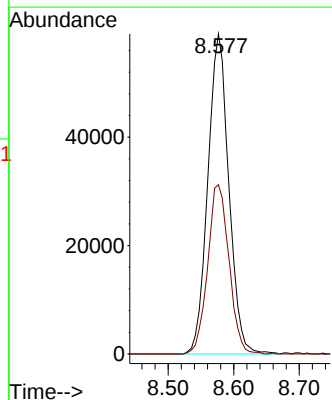
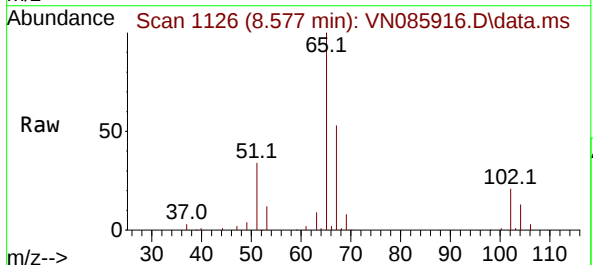


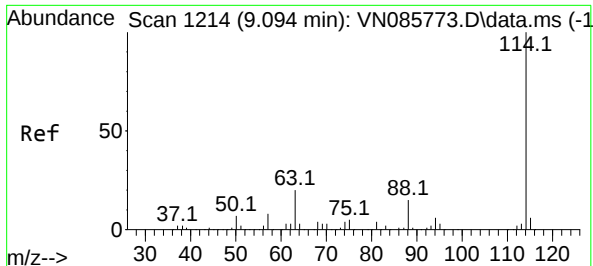
Tgt Ion: 56 Resp: 3963
Ion Ratio Lower Upper
56 100
69 161.2 25.8 38.6#
84 107.1 74.5 111.7



#33
1,2-Dichloroethane-d4
Concen: 54.619 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Tgt Ion: 65 Resp: 131135
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085916.D

Acq: 10 Mar 2025 13:22

Instrument :

MSVOA_N

ClientSampleId :

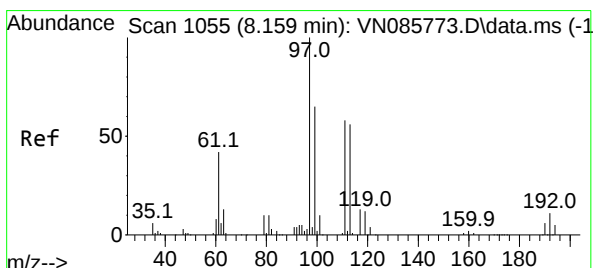
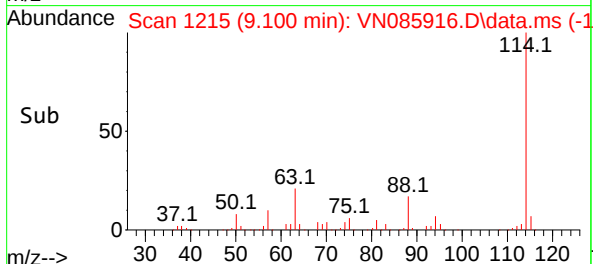
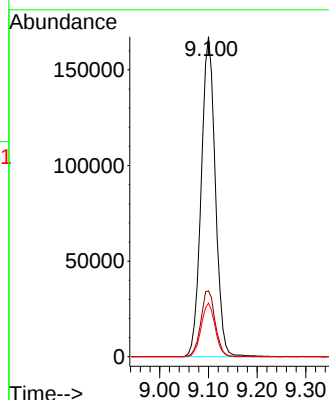
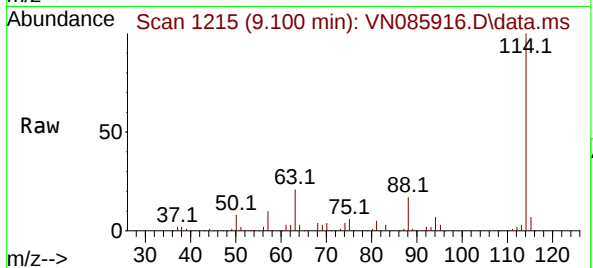
Tgt Ion:114 Resp: 337149

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.2

88 16.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 50.627 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085916.D

Acq: 10 Mar 2025 13:22

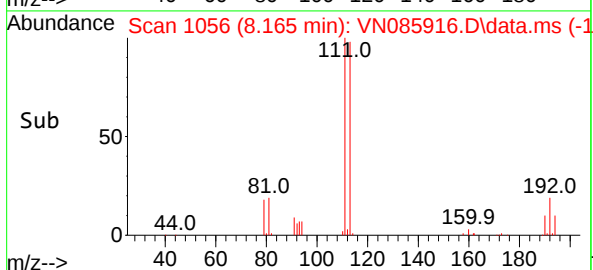
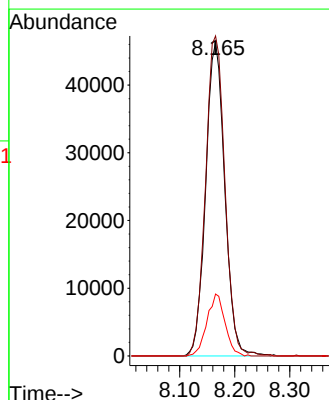
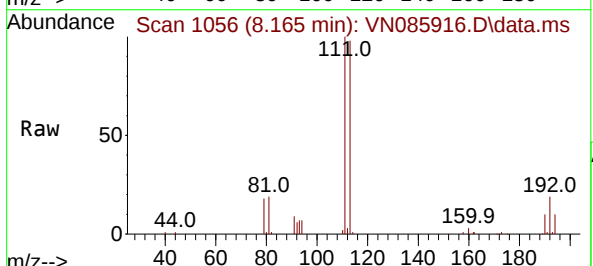
Tgt Ion:113 Resp: 111691

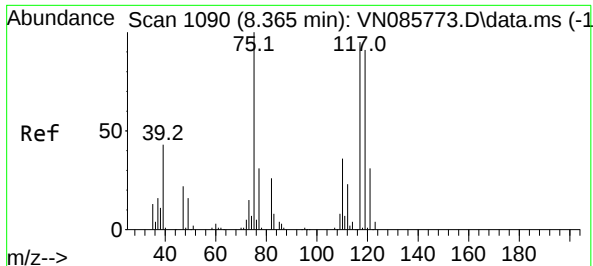
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 18.7 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.961 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085916.D

Acq: 10 Mar 2025 13:22

Instrument :

MSVOA_N

ClientSampleId :

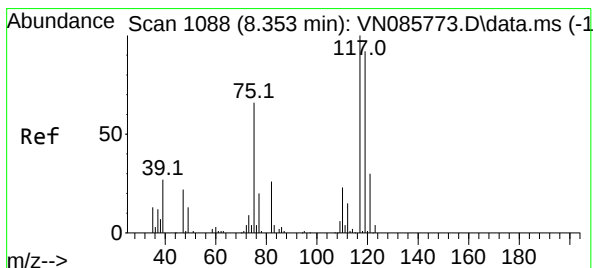
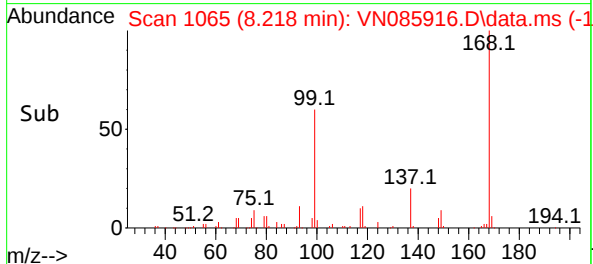
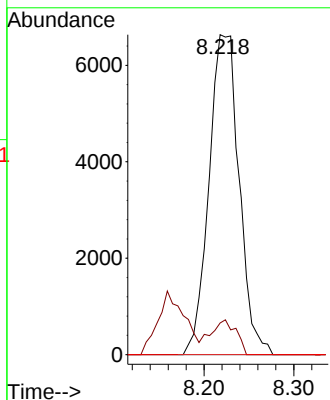
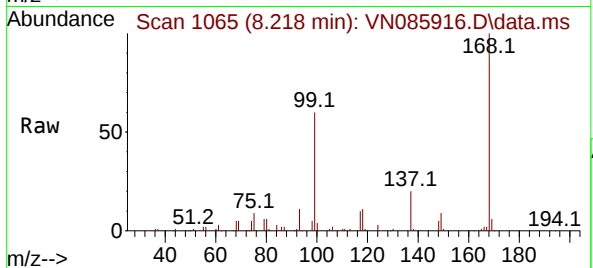
Tgt Ion: 75 Resp: 15491

Ion Ratio Lower Upper

75 100

110 9.3 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.000 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085916.D

Acq: 10 Mar 2025 13:22

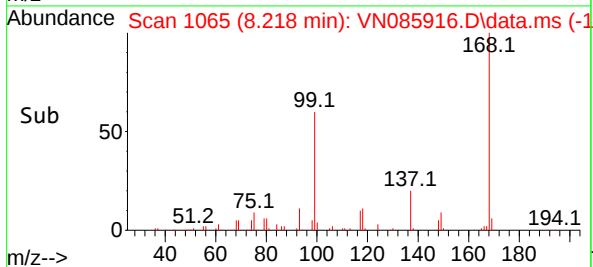
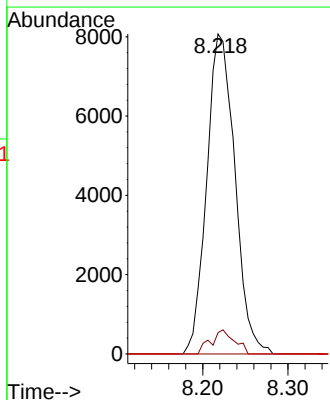
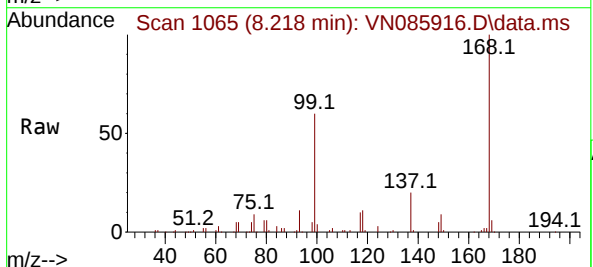
Tgt Ion: 117 Resp: 18550

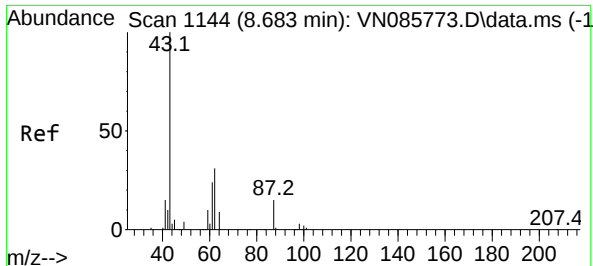
Ion Ratio Lower Upper

117 100

119 6.6 73.8 110.6#

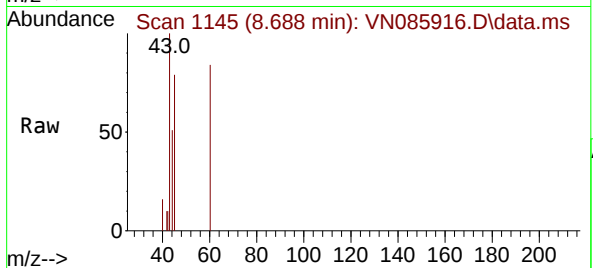
121 0.0 24.3 36.5#



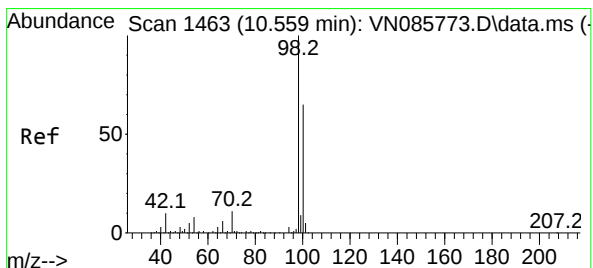
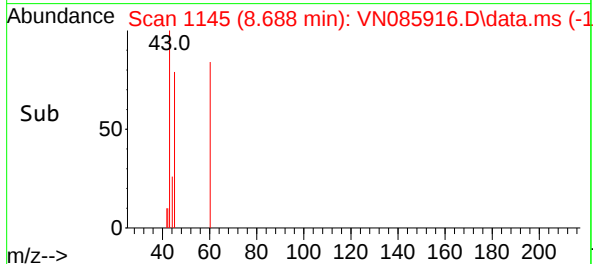
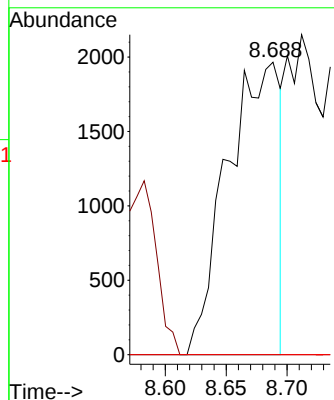


#43
Isopropyl Acetate
Concen: 0.781 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :

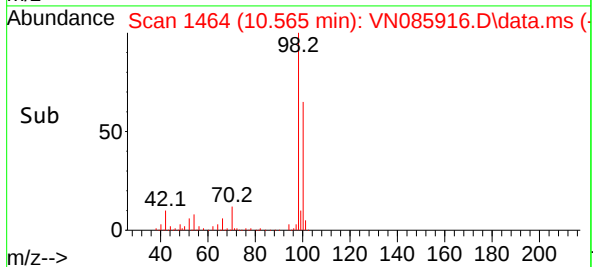
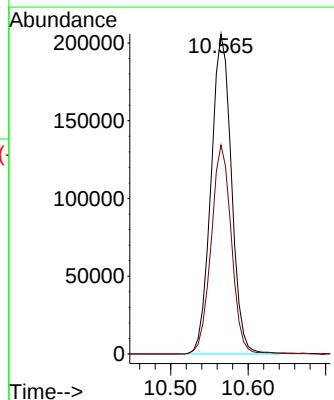
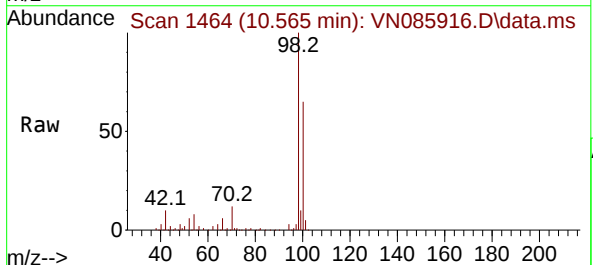


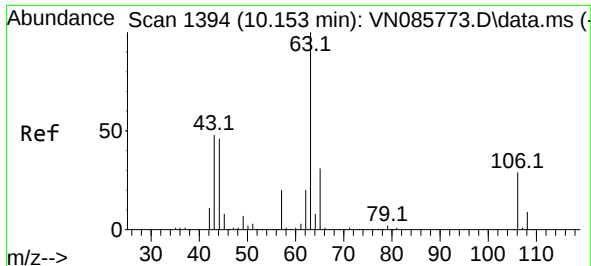
Tgt Ion: 43 Resp: 5948
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#



#50
Toluene-d8
Concen: 46.947 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Tgt Ion: 98 Resp: 376828
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1

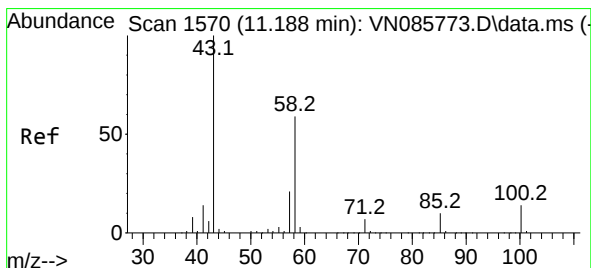
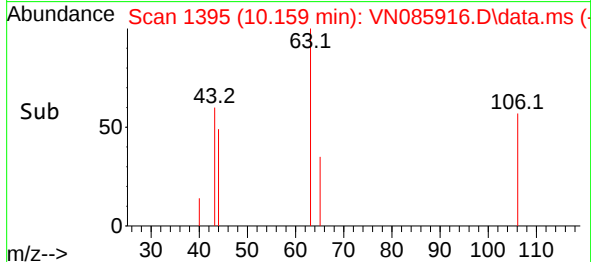
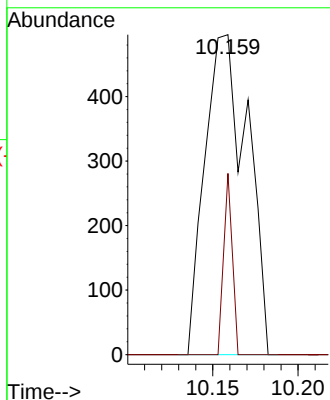
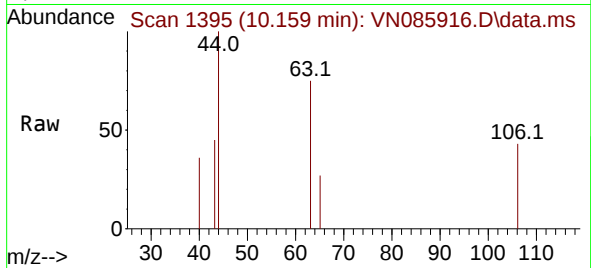




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.159 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

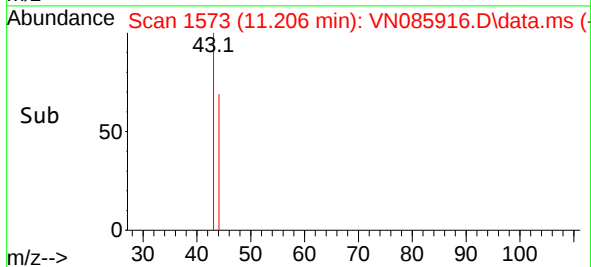
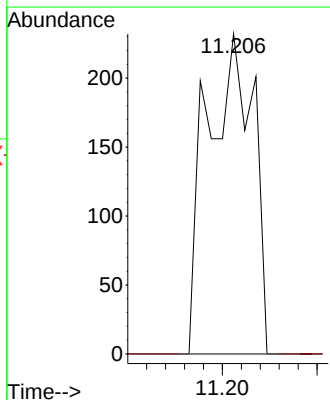
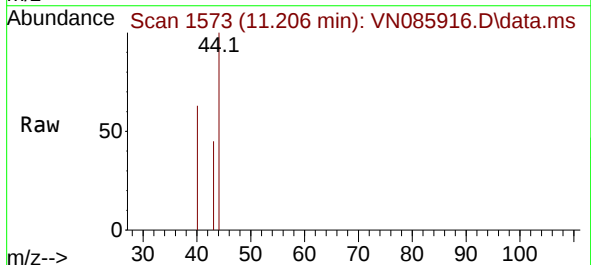
Instrument :
MSVOA_N
ClientSampleId :

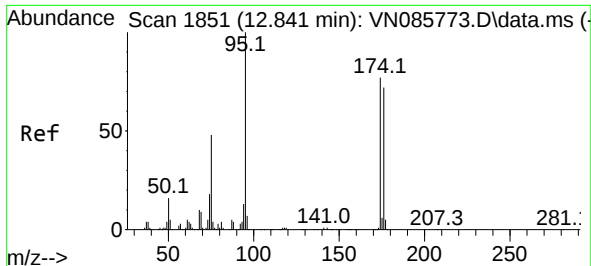
Tgt Ion: 63 Resp: 863
Ion Ratio Lower Upper
63 100
106 11.5 22.7 34.1#



#59
2-Hexanone
Concen: 0.229 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.018 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#

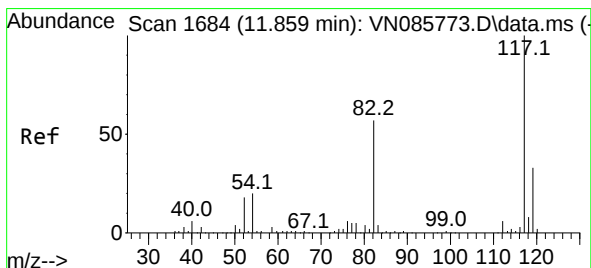
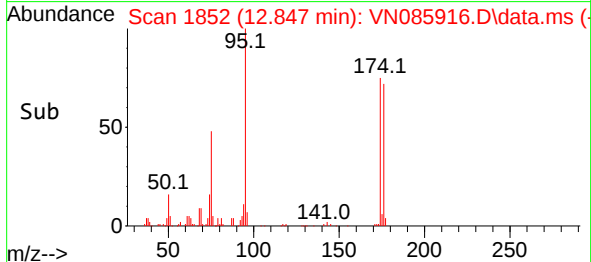
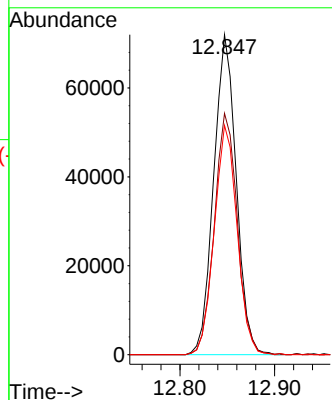
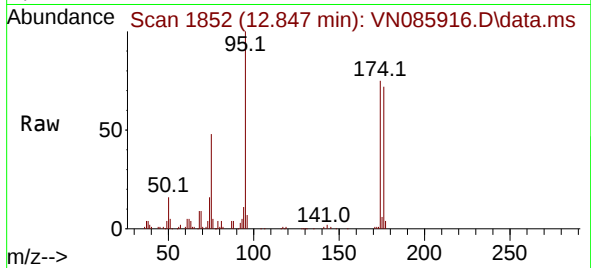




#62
4-Bromofluorobenzene
Concen: 44.967 ug/l
RT: 12.847 min Scan# 118920
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

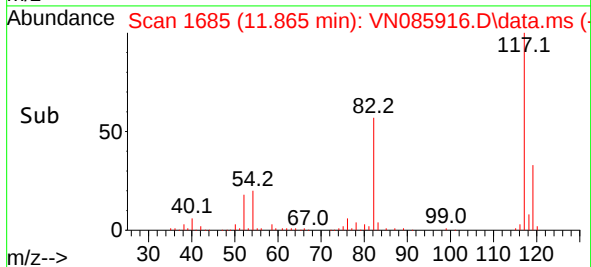
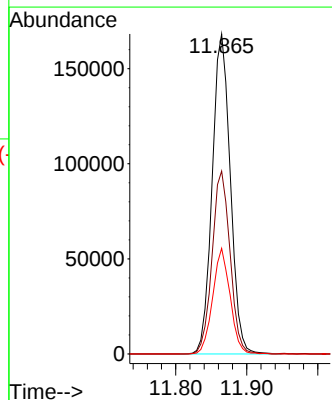
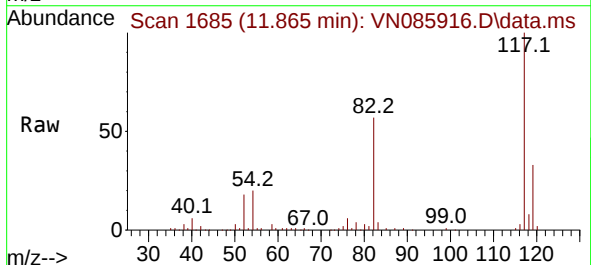
Instrument :
MSVOA_N
ClientSampleId :

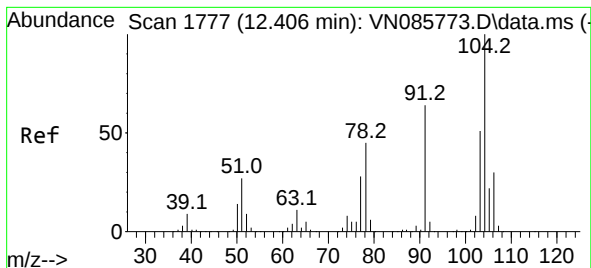
Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	152.4
176	72.7	0.0	146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.7	68.5
119	33.0	26.2	39.2





#70

Styrene

Concen: 0.612 ug/l

RT: 12.406 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085916.D

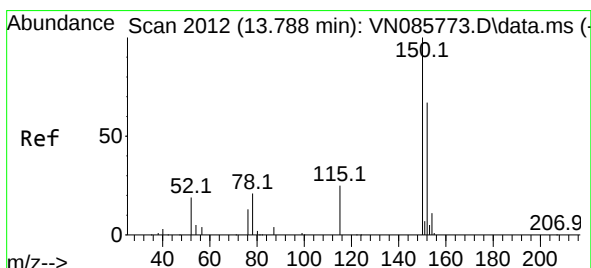
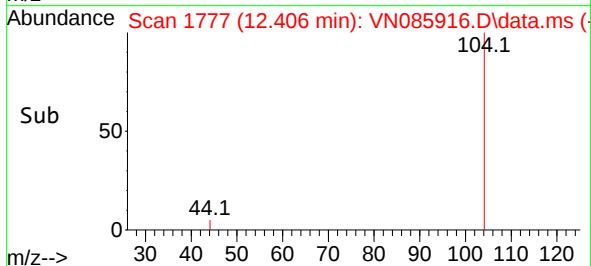
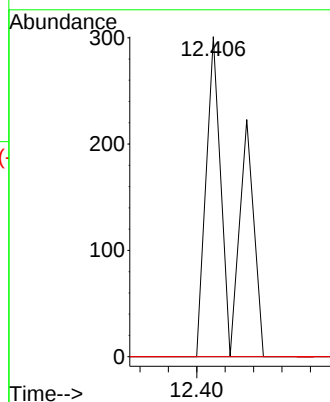
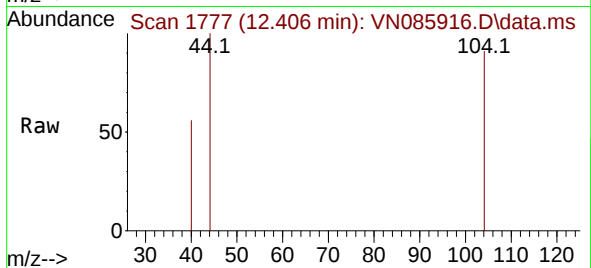
Acq: 10 Mar 2025 13:22

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:104	Resp:	185
Ion Ratio	Lower	Upper
104	100	
78	0.0	39.0 58.6#
103	0.0	43.3 64.9#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

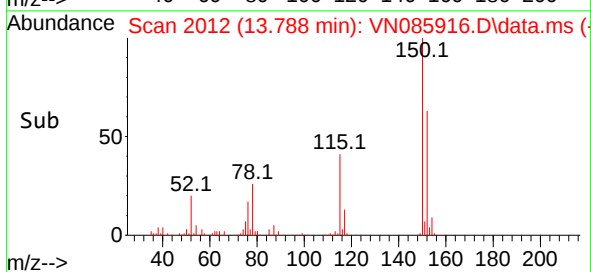
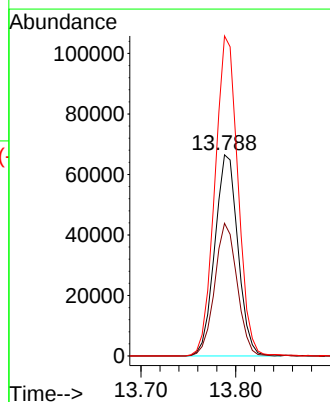
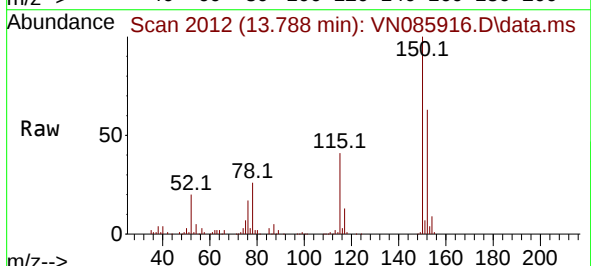
RT: 13.788 min Scan# 2012

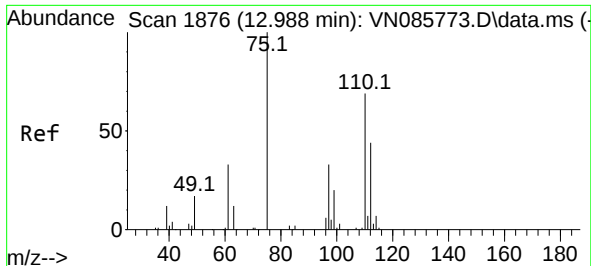
Delta R.T. 0.000 min

Lab File: VN085916.D

Acq: 10 Mar 2025 13:22

Tgt Ion:152	Resp:	112686
Ion Ratio	Lower	Upper
152	100	
115	64.0	30.4 91.3
150	158.5	0.0 345.4

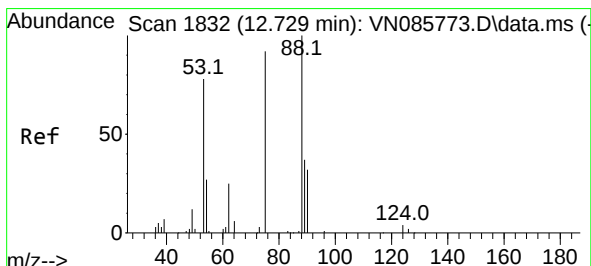
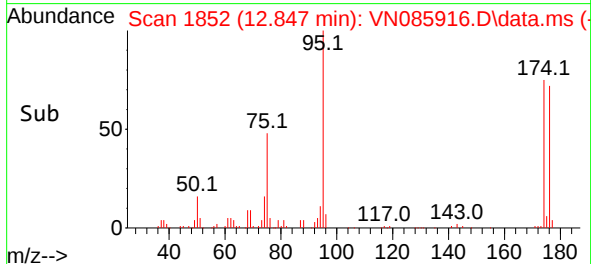
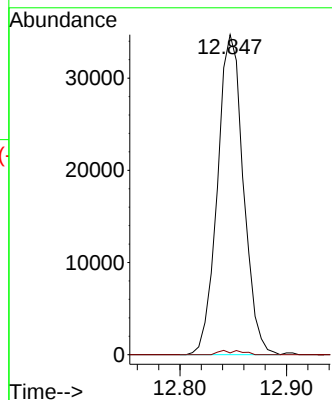
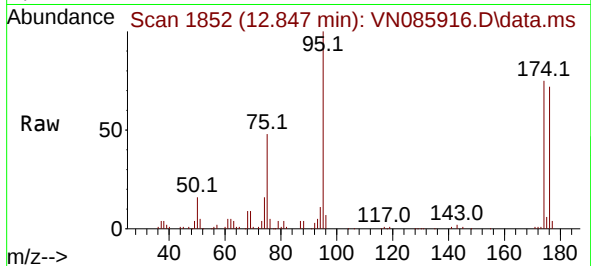




#76
1,2,3-Trichloropropane
Concen: 23.458 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

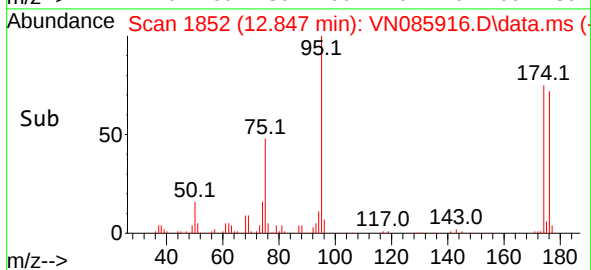
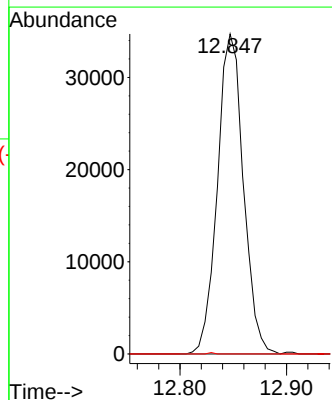
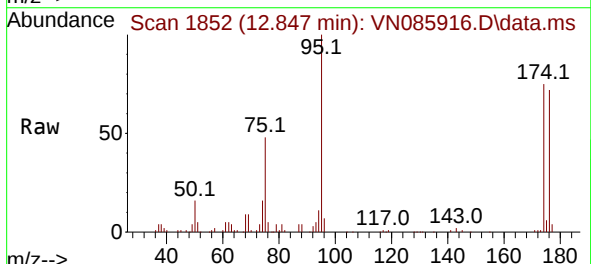
Instrument :
MSVOA_N
ClientSampleId :

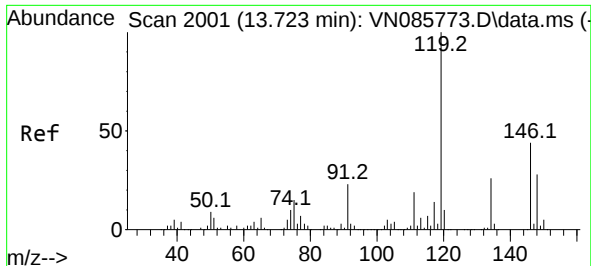
Tgt Ion: 75 Resp: 58719
Ion Ratio Lower Upper
75 100
77 0.6 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.445 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

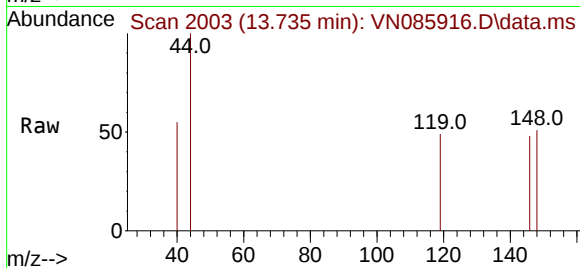
Tgt Ion: 75 Resp: 58719
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.9 52.3#



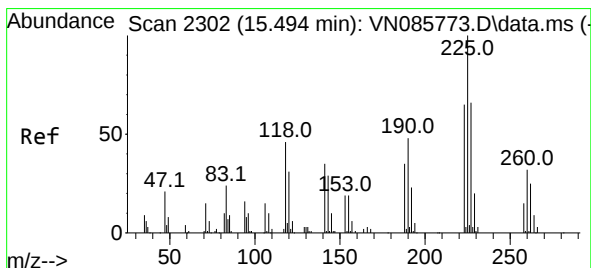
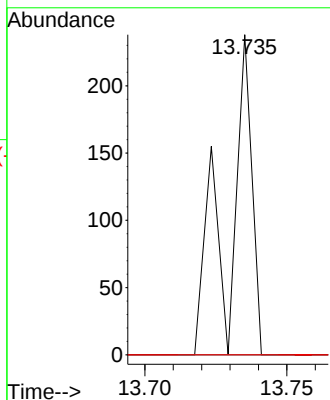
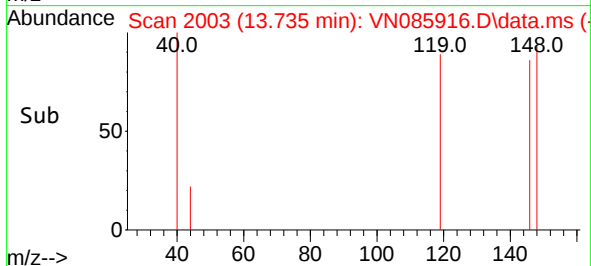


#86
p-Isopropyltoluene
Concen: 0.647 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.012 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :

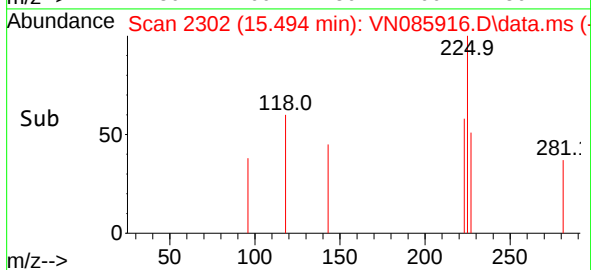
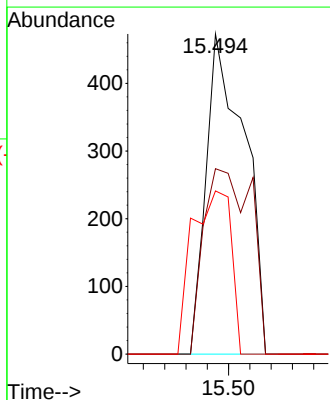
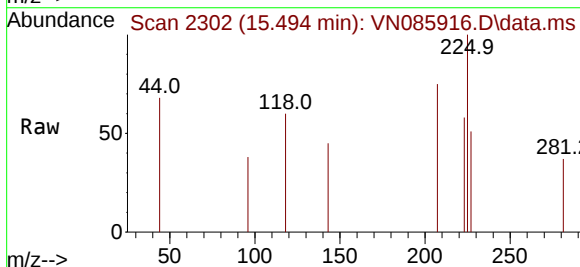


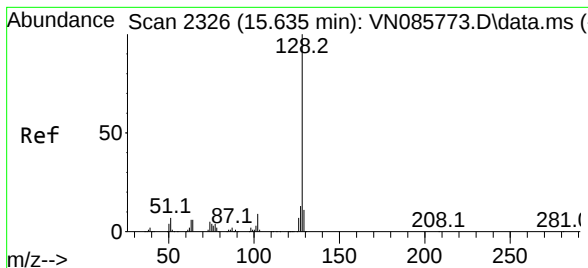
Tgt Ion:119 Resp: 139
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.7 35.1#



#94
Hexachlorobutadiene
Concen: 0.543 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Tgt Ion:225 Resp: 591
Ion Ratio Lower Upper
225 100
223 71.6 31.9 95.5
227 51.8 32.2 96.6





#95

Naphthalene

Concen: 0.387 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN085916.D

Acq: 10 Mar 2025 13:22

Instrument :

MSVOA_N

ClientSampleId :

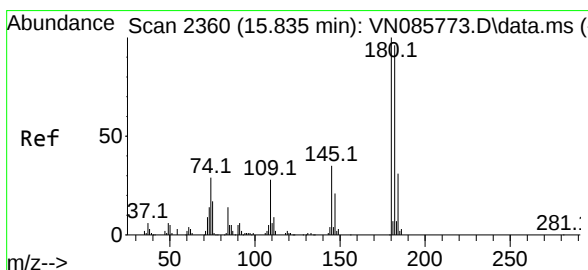
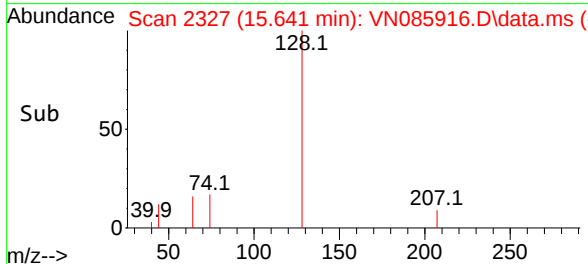
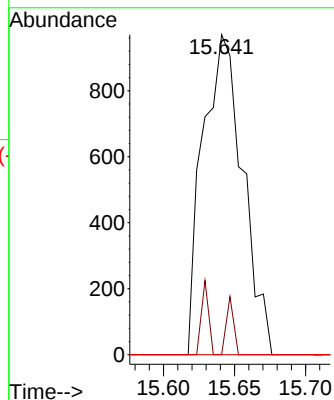
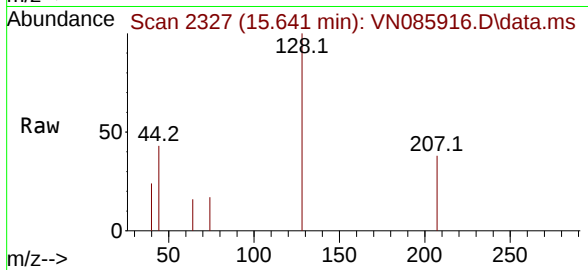
Tgt Ion:128 Resp: 1900

Ion Ratio Lower Upper

128 100

127 3.3 10.2 15.2#

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.266 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085916.D

Acq: 10 Mar 2025 13:22

Tgt Ion:180 Resp: 478

Ion Ratio Lower Upper

180 100

182 68.4 47.3 141.8

145 11.3 16.9 50.6#

