

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
 Data File : VN085925.D
 Acq On : 10 Mar 2025 19:35
 Operator : JC\MD
 Sample : Q1522-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 11 01:42:47 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)

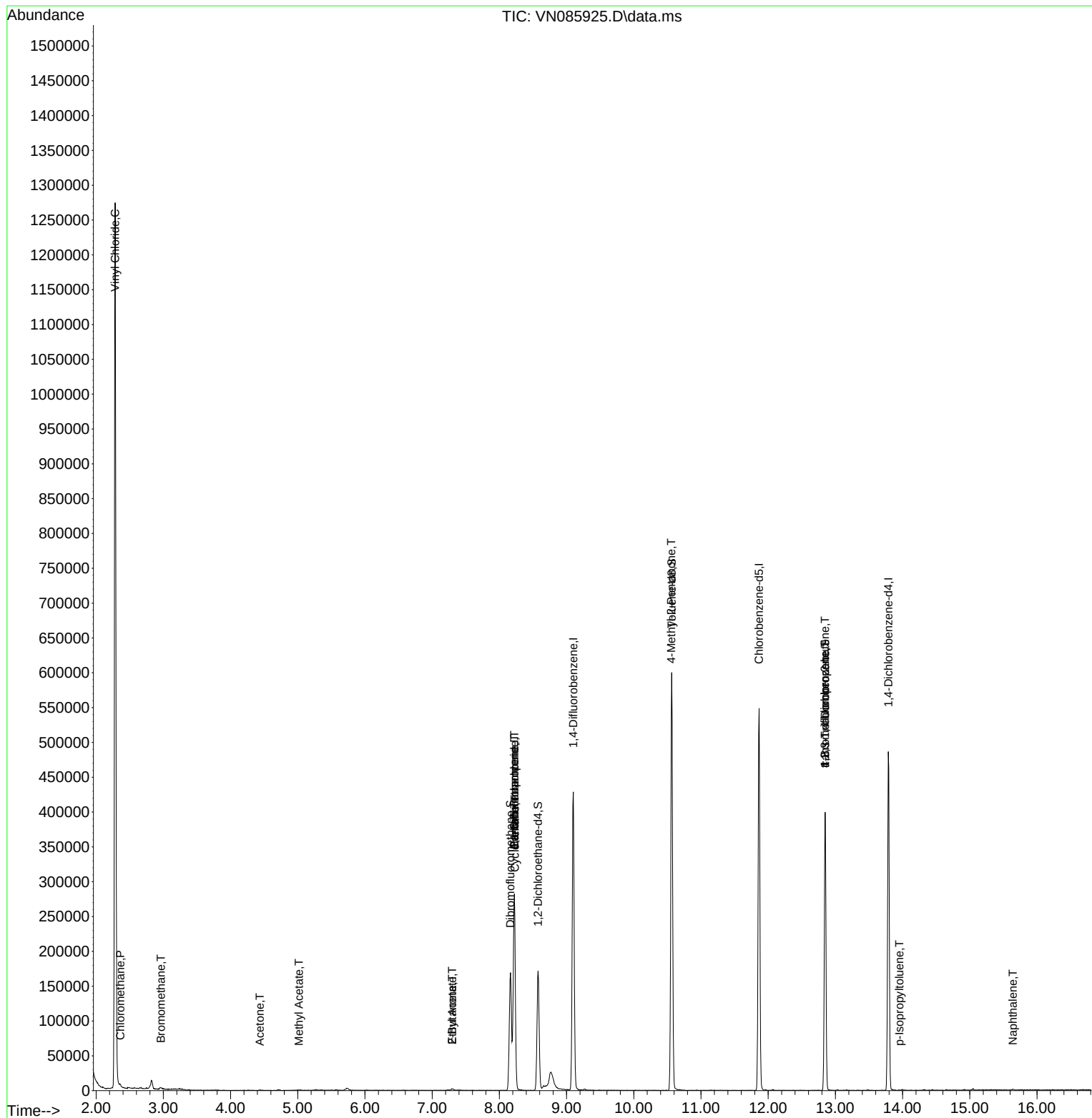
Internal Standards						
1) Pentafluorobenzene	8.224	168	197312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	371245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	322337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	141493	55.312	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.620%			
35) Dibromofluoromethane	8.165	113	121525	50.026	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.060%			
50) Toluene-d8	10.565	98	423173	47.879	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.760%			
62) 4-Bromofluorobenzene	12.847	95	141868	48.718	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.440%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	2317	0.860	ug/l #	88
4) Vinyl Chloride	2.283	62	17786	6.237	ug/l #	48
5) Bromomethane	2.965	94	2203	1.208	ug/l	97
16) Acetone	4.436	43	983	1.214	ug/l #	40
18) Methyl Acetate	5.018	43	660	0.237	ug/l #	47
25) 2-Butanone	7.300	43	4476	3.759	ug/l #	45
31) Cyclohexane	8.229	56	4308	1.179	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16758	4.874	ug/l #	49
37) Ethyl Acetate	7.300	43	4161	1.471	ug/l #	66
38) Carbon Tetrachloride	8.224	117	20341	4.979	ug/l #	18
51) 4-Methyl-2-Pentanone	10.559	43	1610	0.590	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	72057	23.584	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72057	68.812	ug/l #	12
86) p-Isopropyltoluene	13.953	119	283	0.661	ug/l #	72
95) Naphthalene	15.641	128	1982	0.330	ug/l #	74

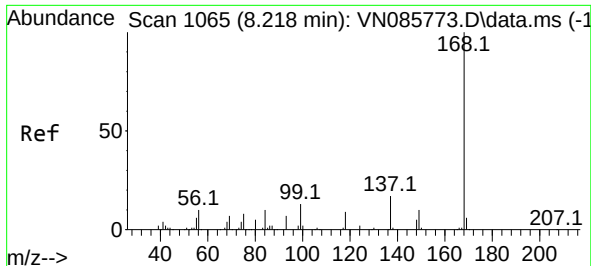
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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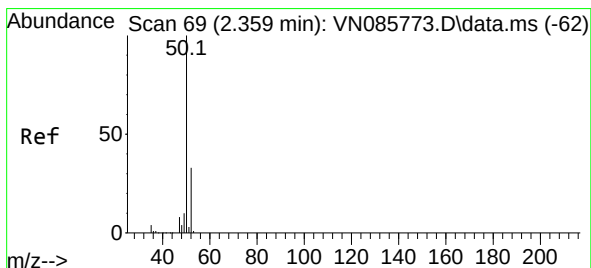
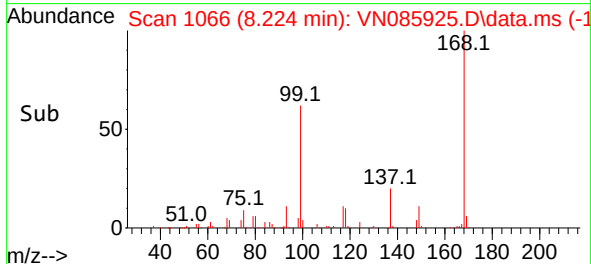
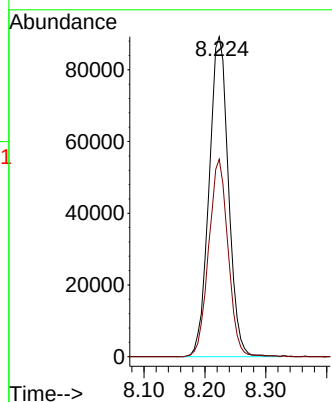
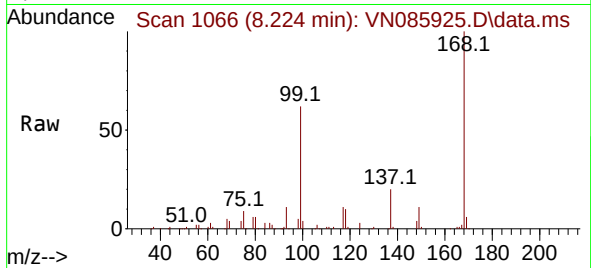




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

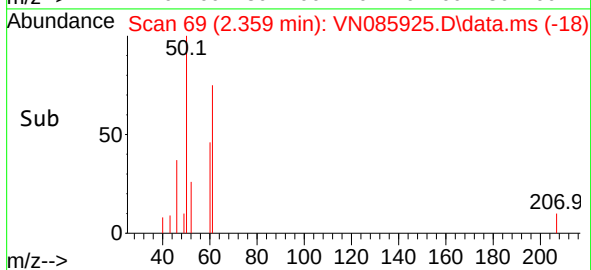
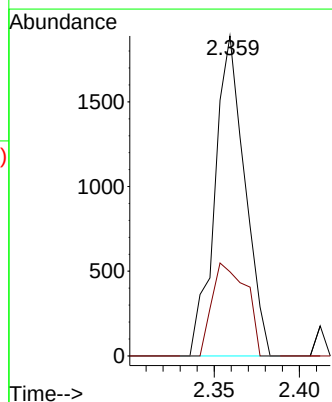
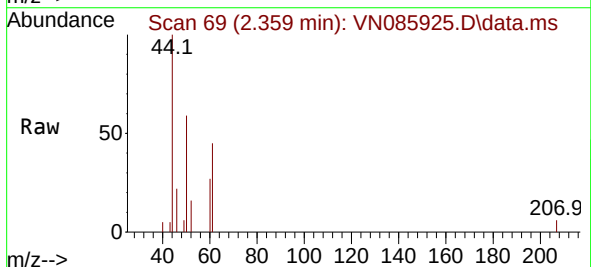
Instrument :
MSVOA_N
ClientSampleId :

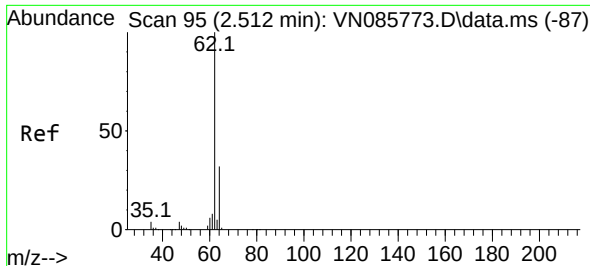
Tgt Ion:168 Resp: 197312
Ion Ratio Lower Upper
168 100
99 61.7 47.9 71.9



#3
Chloromethane
Concen: 0.860 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

Tgt Ion: 50 Resp: 2317
Ion Ratio Lower Upper
50 100
52 26.3 26.7 40.1#

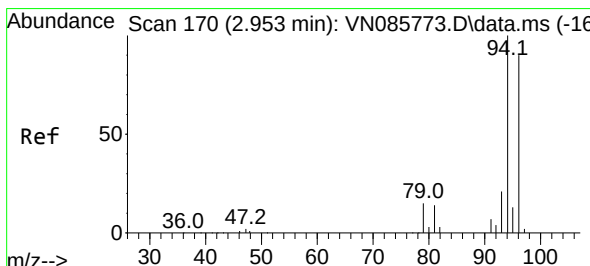
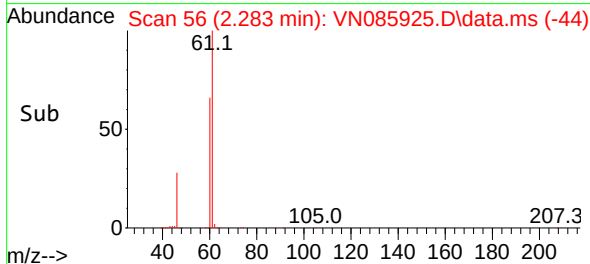
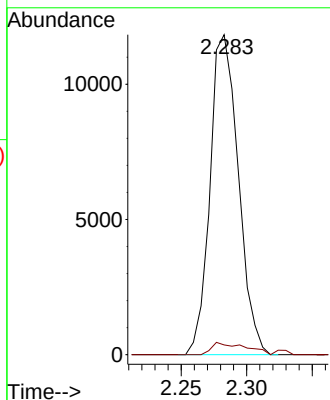
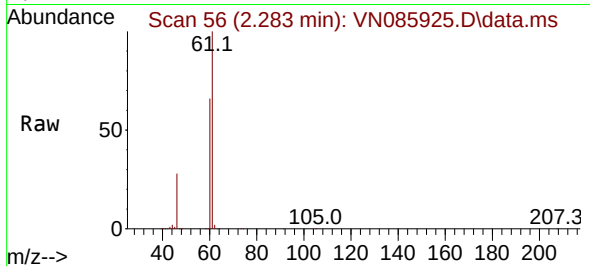




#4
 Vinyl Chloride
 Concen: 6.237 ug/l
 RT: 2.283 min Scan# 51
 Delta R.T. -0.230 min
 Lab File: VN085925.D
 Acq: 10 Mar 2025 19:35

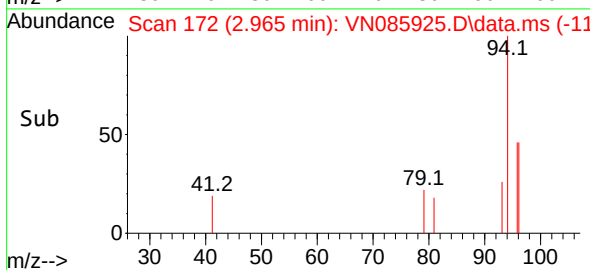
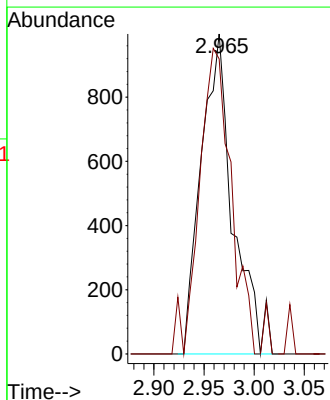
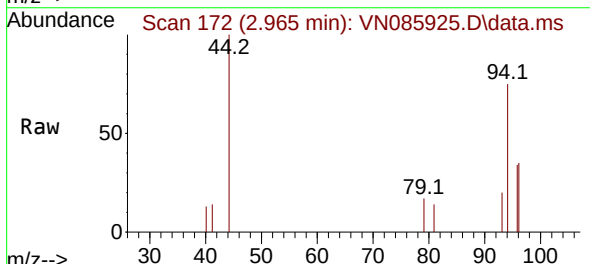
Instrument :
 MSVOA_N
 ClientSampleId :

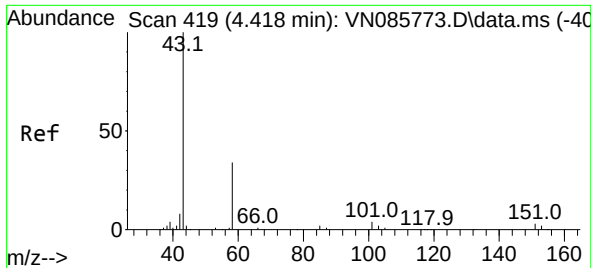
Tgt Ion: 62 Resp: 17786
 Ion Ratio Lower Upper
 62 100
 64 3.0 25.9 38.9#



#5
 Bromomethane
 Concen: 1.208 ug/l
 RT: 2.965 min Scan# 172
 Delta R.T. 0.012 min
 Lab File: VN085925.D
 Acq: 10 Mar 2025 19:35

Tgt Ion: 94 Resp: 2203
 Ion Ratio Lower Upper
 94 100
 96 92.2 71.7 107.5

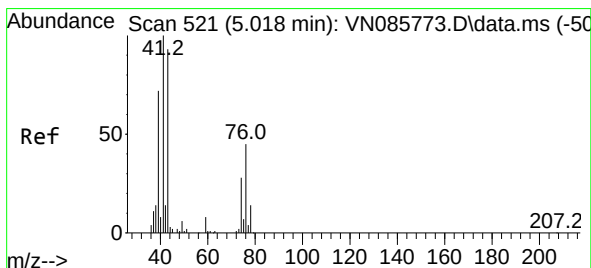
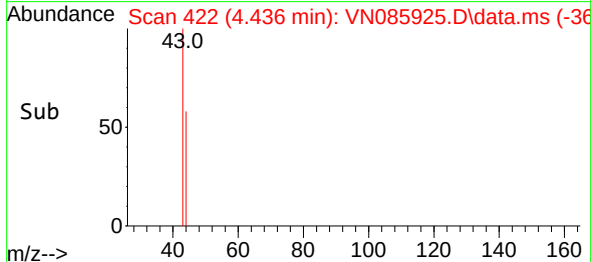
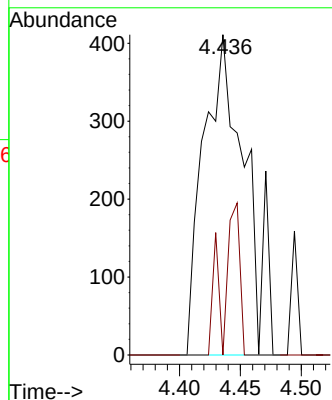
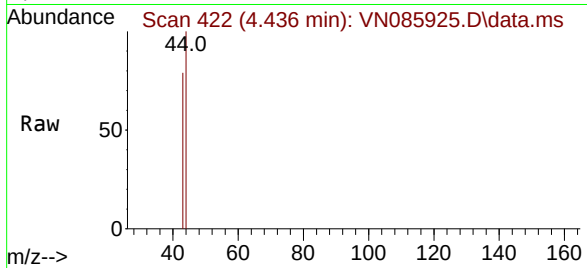




#16
Acetone
Concen: 1.214 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

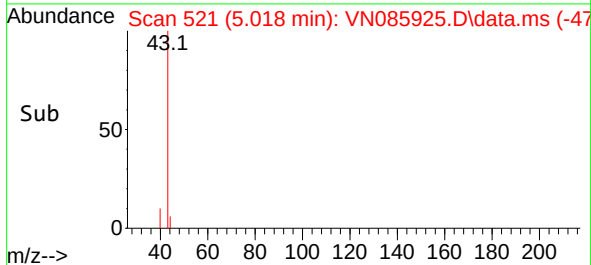
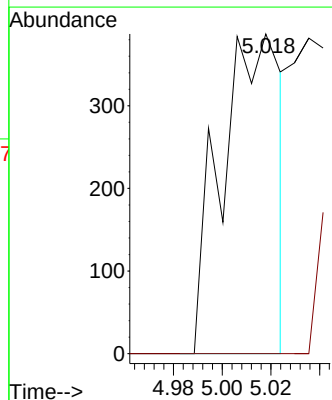
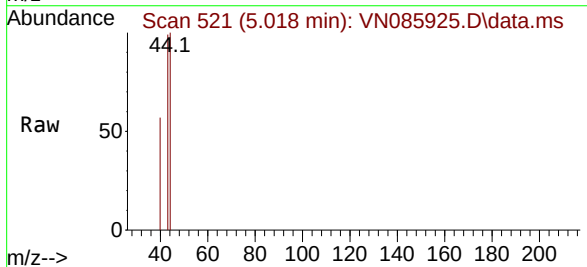
Instrument :
MSVOA_N
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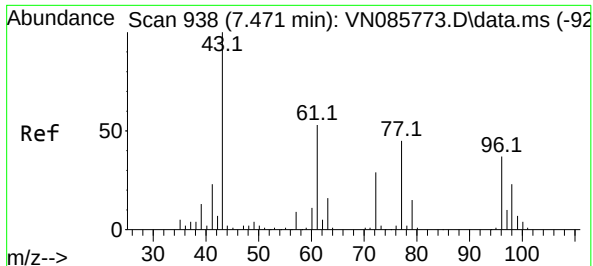
Tgt Ion: 43 Resp: 983
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#18
Methyl Acetate
Concen: 0.237 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#

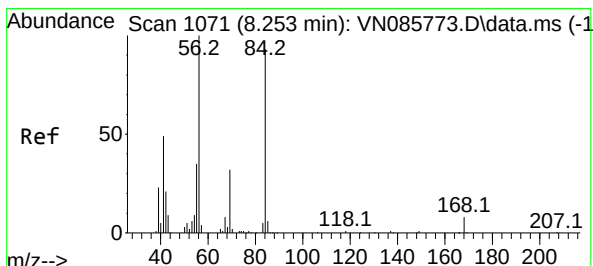
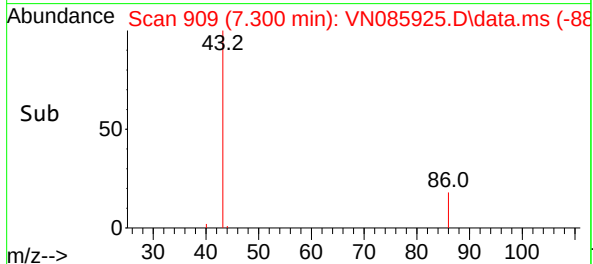
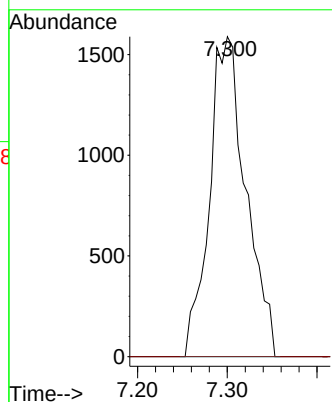
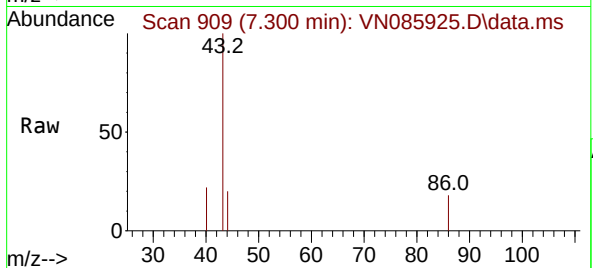




#25
2-Butanone
Concen: 3.759 ug/l
RT: 7.300 min Scan# 90
Delta R.T. -0.171 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

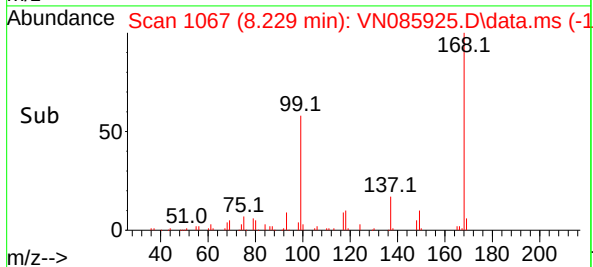
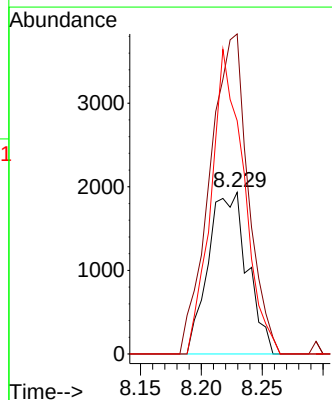
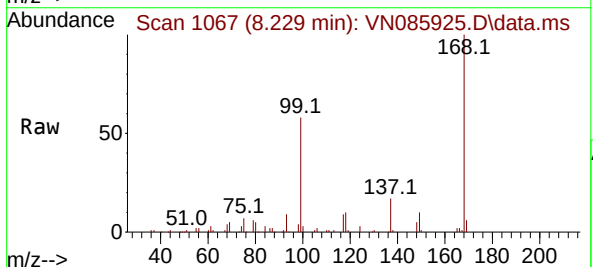
Instrument :
MSVOA_N
ClientSampleId :

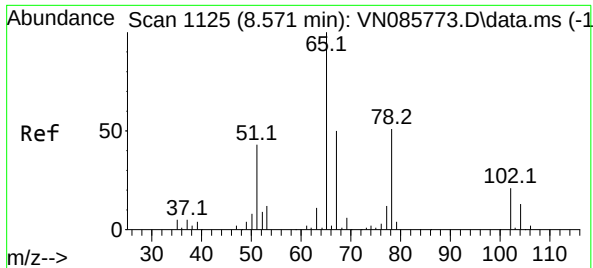
Tgt Ion: 43 Resp: 4476
Ion Ratio Lower Upper
43 100
72 0.0 23.6 35.4#



#31
Cyclohexane
Concen: 1.179 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

Tgt Ion: 56 Resp: 4308
Ion Ratio Lower Upper
56 100
69 198.0 25.8 38.6#
84 144.3 74.5 111.7#

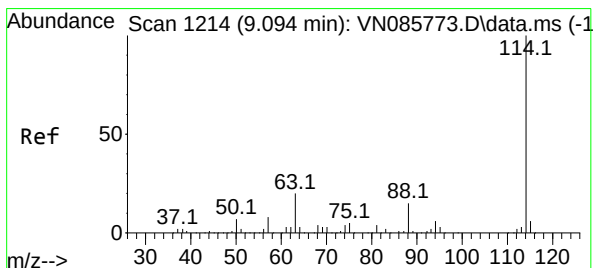
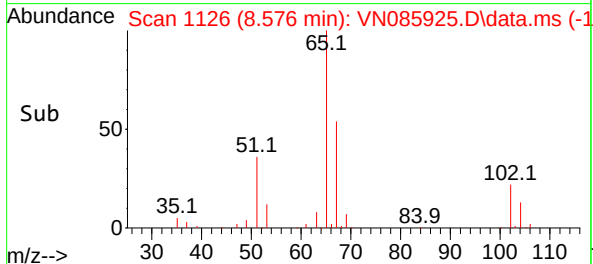
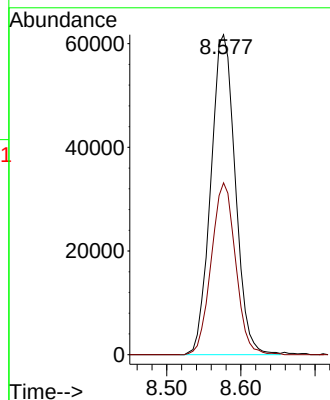
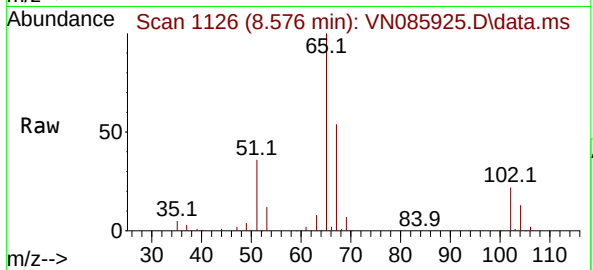




#33
 1,2-Dichloroethane-d4
 Concen: 55.312 ug/l
 RT: 8.576 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: VN085925.D
 Acq: 10 Mar 2025 19:35

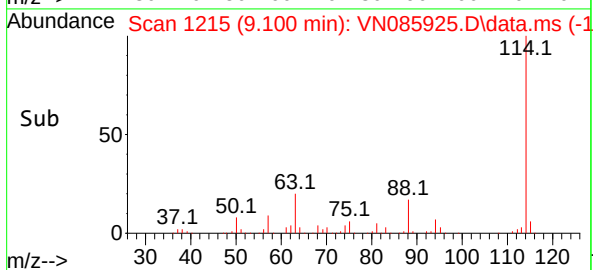
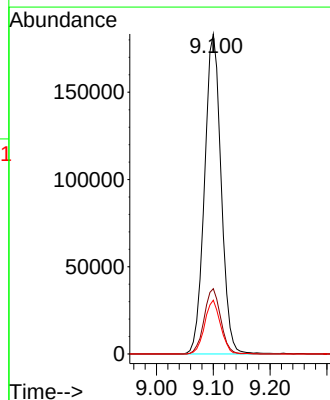
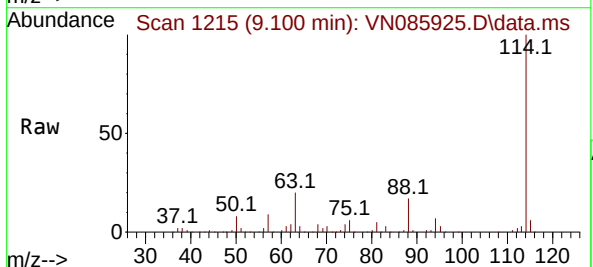
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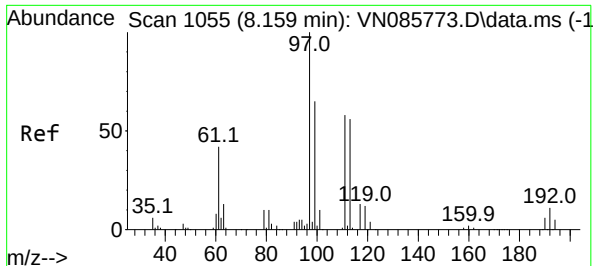
Tgt Ion: 65 Resp: 141493
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085925.D
 Acq: 10 Mar 2025 19:35

Tgt Ion: 114 Resp: 371245
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.2
 88 16.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.026 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085925.D

Acq: 10 Mar 2025 19:35

Instrument :

MSVOA_N

ClientSampleId :

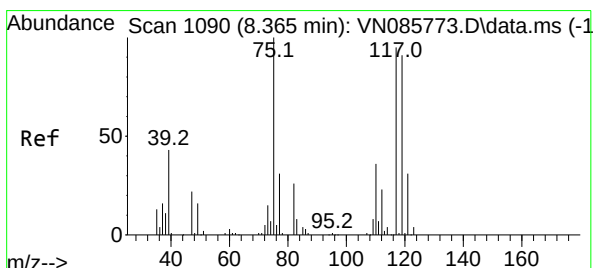
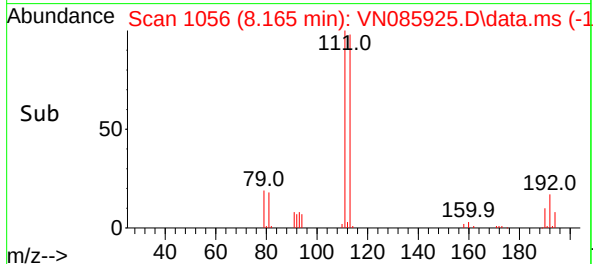
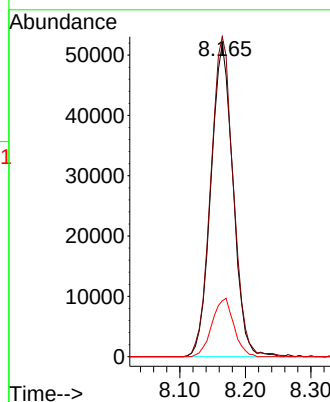
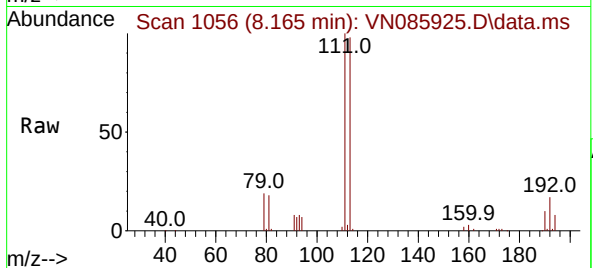
Tgt Ion:113 Resp: 121525

Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.4

192 18.4 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.874 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085925.D

Acq: 10 Mar 2025 19:35

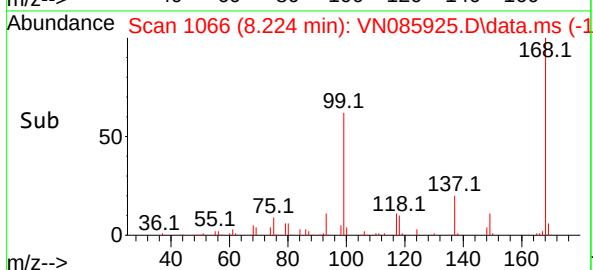
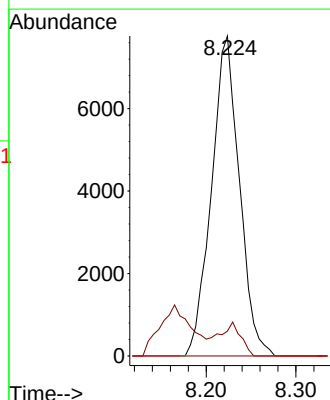
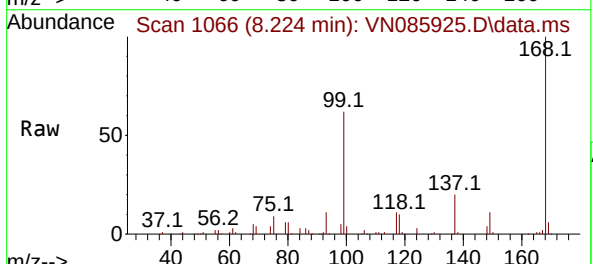
Tgt Ion: 75 Resp: 16758

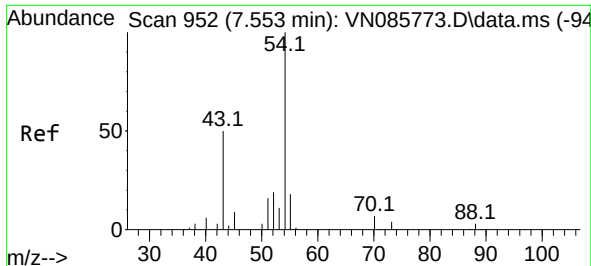
Ion Ratio Lower Upper

75 100

110 7.5 17.3 52.0#

77 0.0 24.6 37.0#

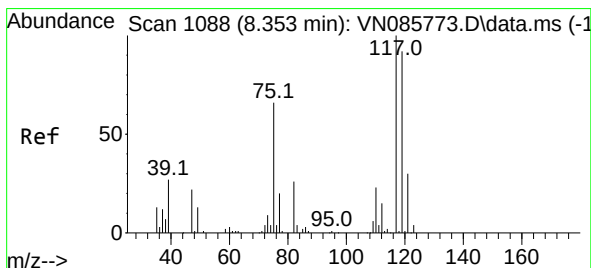
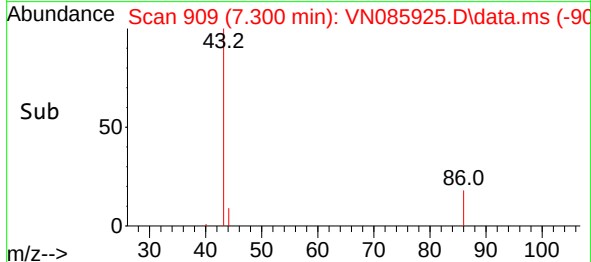
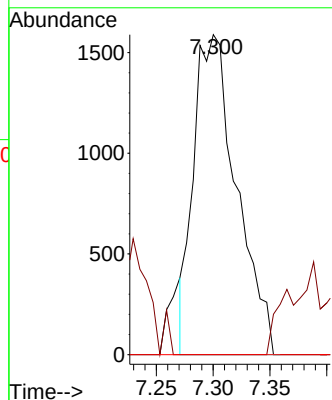
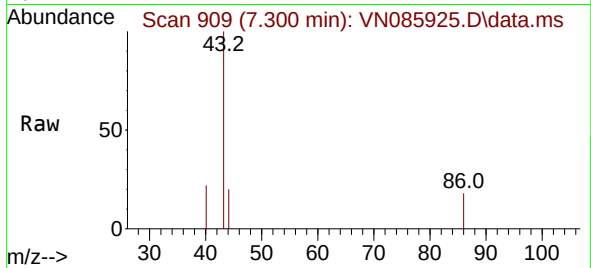




#37
Ethyl Acetate
Concen: 1.471 ug/l
RT: 7.300 min Scan# 90
Delta R.T. -0.253 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

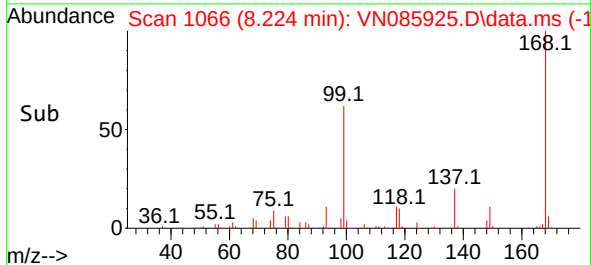
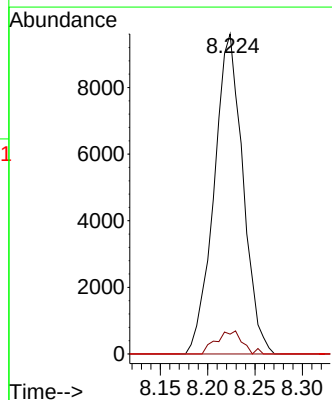
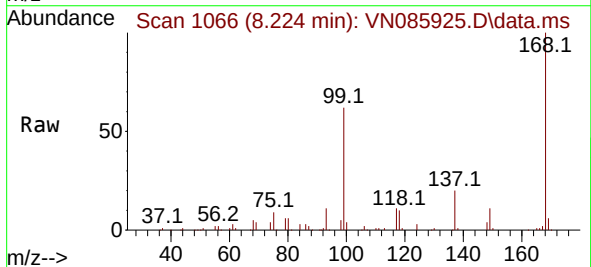
Instrument :
MSVOA_N
ClientSampleId :

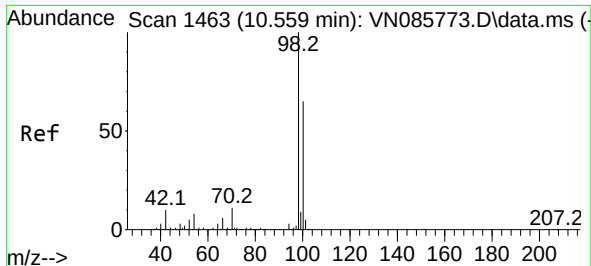
Tgt Ion: 43 Resp: 4161
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.2#
70 0.0 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 4.979 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.130 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

Tgt Ion: 117 Resp: 20341
Ion Ratio Lower Upper
117 100
119 6.2 73.8 110.6#
121 0.0 24.3 36.5#

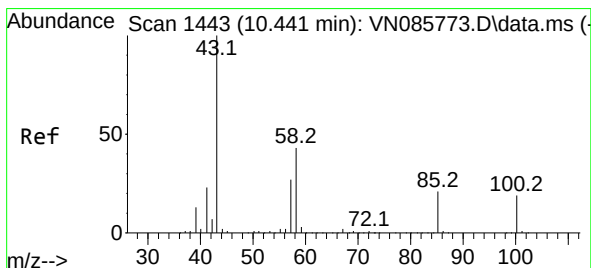
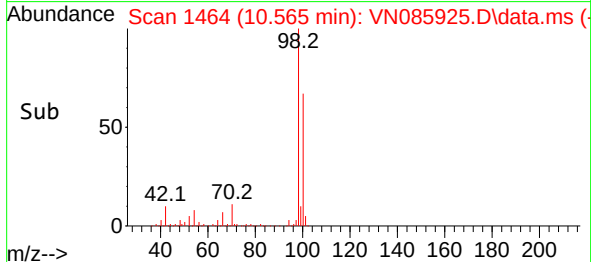
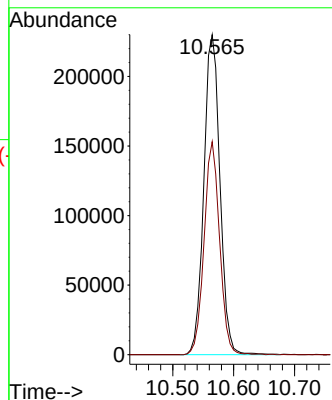
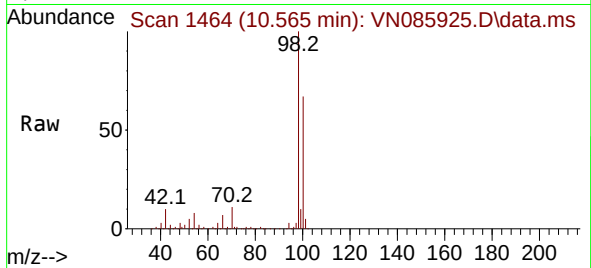




#50
Toluene-d8
Concen: 47.879 ug/l
RT: 10.565 min Scan# 1463
Delta R.T. 0.006 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

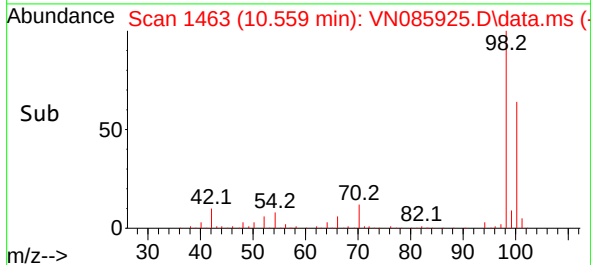
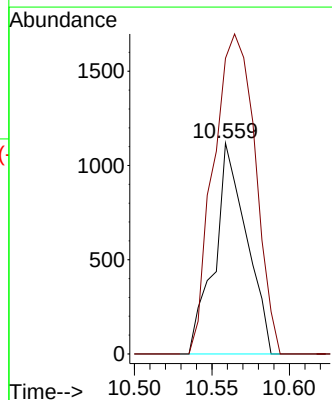
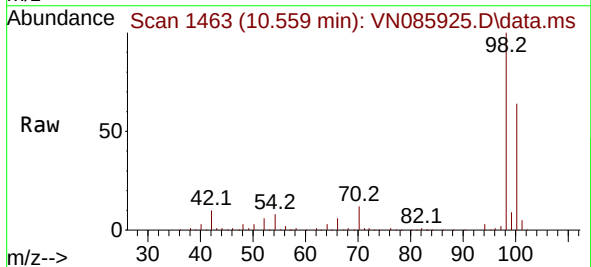
Instrument :
MSVOA_N
ClientSampleId :

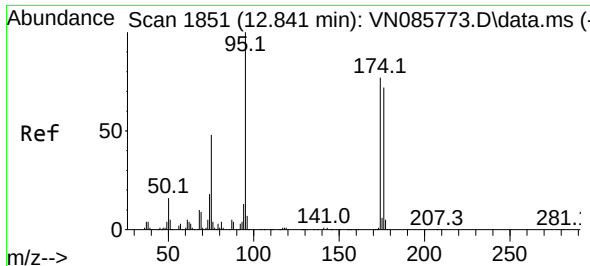
Tgt Ion: 98 Resp: 423173
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.590 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.117 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

Tgt Ion: 43 Resp: 1610
Ion Ratio Lower Upper
43 100
58 197.1 34.6 52.0#

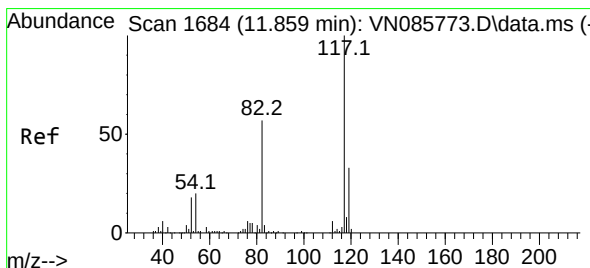
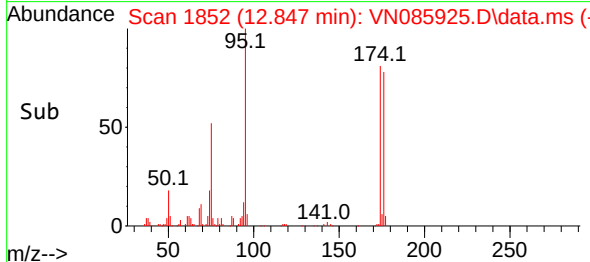
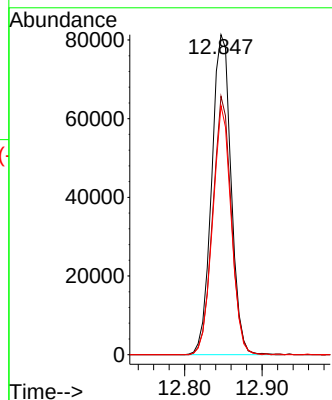
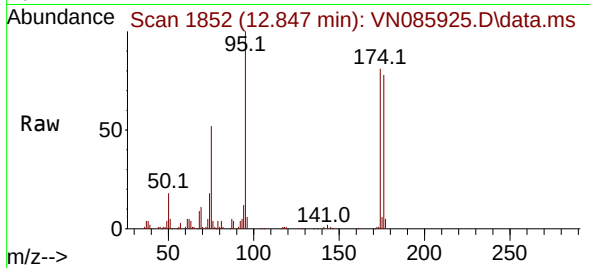




#62
4-Bromofluorobenzene
Concen: 48.718 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

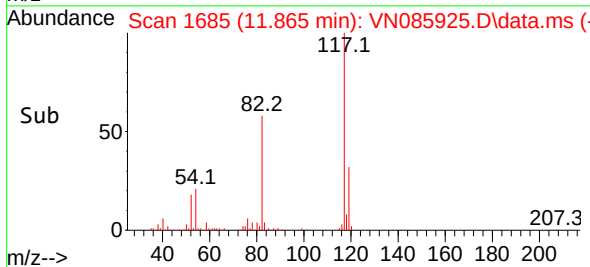
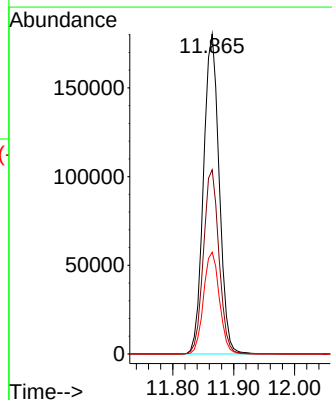
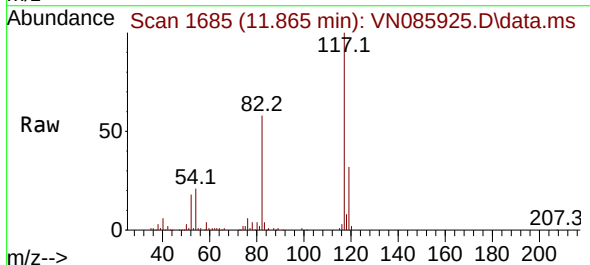
Instrument :
MSVOA_N
ClientSampleId :

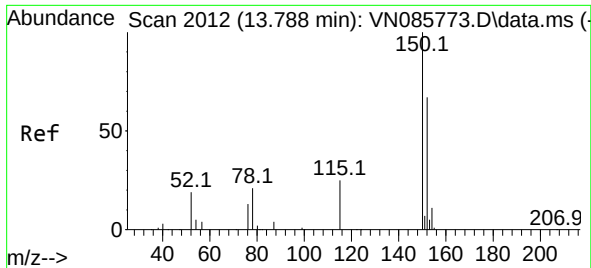
Tgt Ion: 95 Resp: 141868
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.4
176 74.5 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

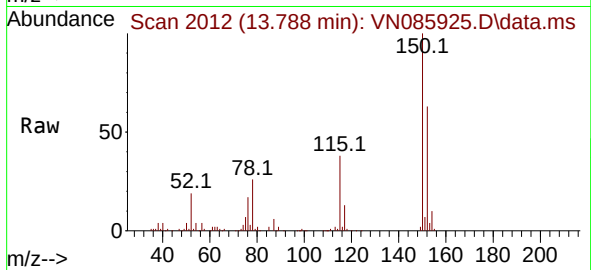
Tgt Ion: 117 Resp: 322337
Ion Ratio Lower Upper
117 100
82 57.6 45.7 68.5
119 31.8 26.2 39.2



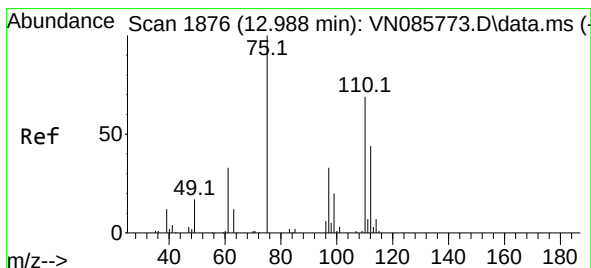
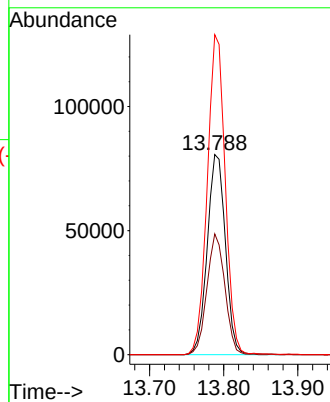
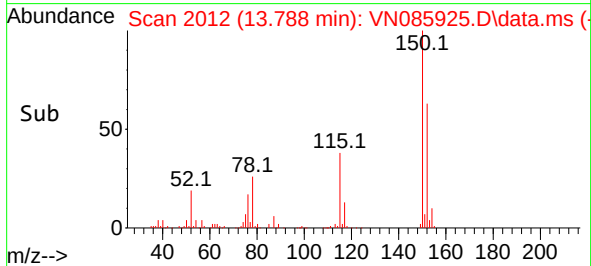


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085925.D
 Acq: 10 Mar 2025 19:35

Instrument :
 MSVOA_N
 ClientSampleId :

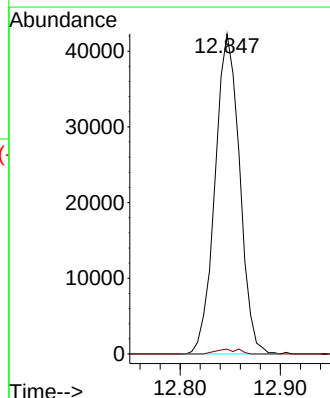
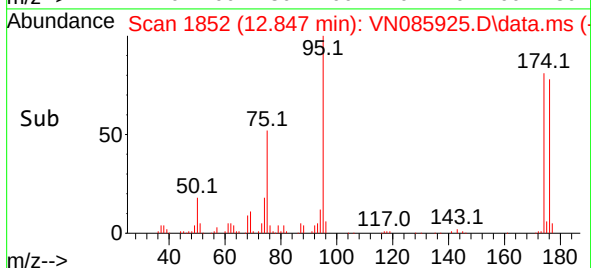
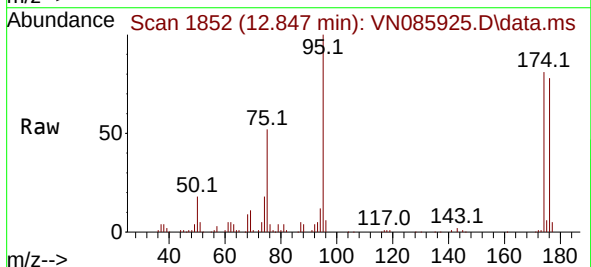


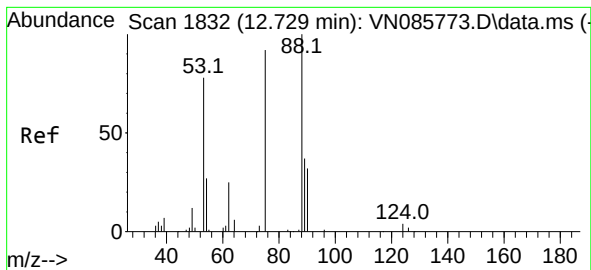
Tgt Ion:152 Resp: 137546
 Ion Ratio Lower Upper
 152 100
 115 59.6 30.4 91.3
 150 157.4 0.0 345.4



#76
 1,2,3-Trichloropropane
 Concen: 23.584 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085925.D
 Acq: 10 Mar 2025 19:35

Tgt Ion: 75 Resp: 72057
 Ion Ratio Lower Upper
 75 100
 77 1.4 100.0 300.0#

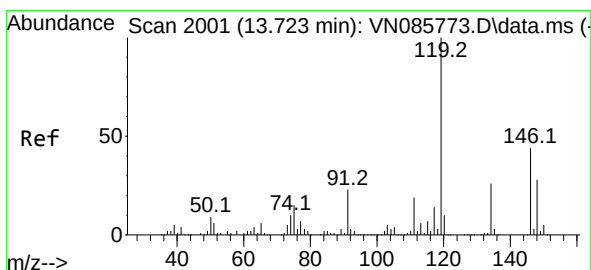
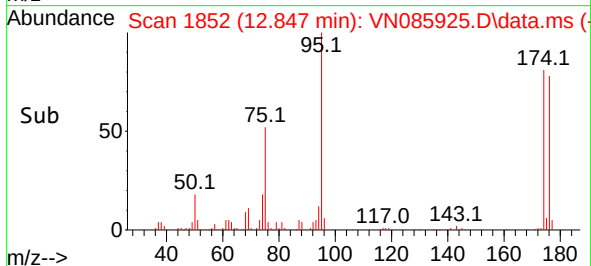
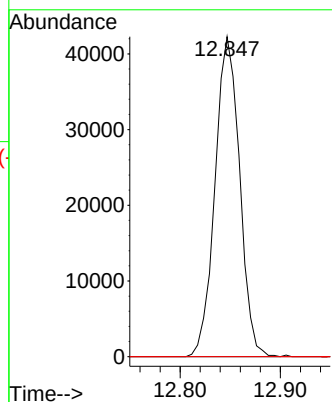
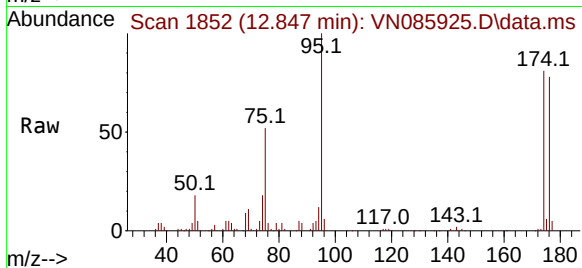




#81
trans-1,4-Dichloro-2-butene
Concen: 68.812 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

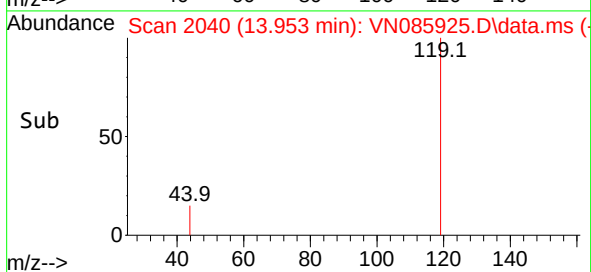
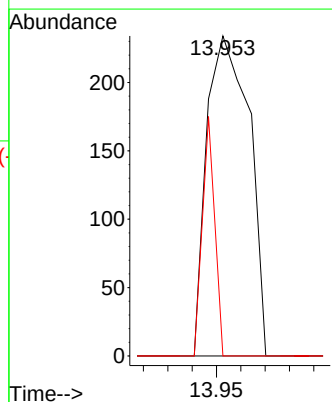
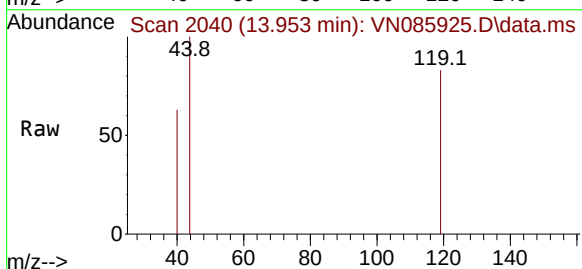
Instrument :
MSVOA_N
ClientSampleId :

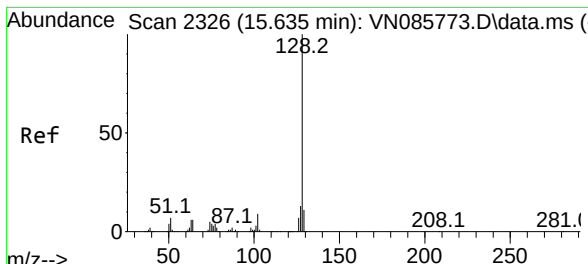
Tgt Ion: 75 Resp: 72057
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#



#86
p-Isopropyltoluene
Concen: 0.661 ug/l
RT: 13.953 min Scan# 2040
Delta R.T. 0.230 min
Lab File: VN085925.D
Acq: 10 Mar 2025 19:35

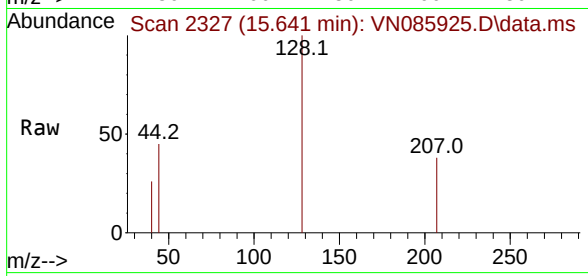
Tgt Ion: 119 Resp: 283
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 21.9 11.7 35.1





#95
 Naphthalene
 Concen: 0.330 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN085925.D
 Acq: 10 Mar 2025 19:35

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:128 Resp: 1982

Ion	Ratio	Lower	Upper
128	100		
127	3.2	10.2	15.2#
129	0.0	8.7	13.1#

