

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
 Data File : VN086085.D
 Acq On : 24 Mar 2025 20:26
 Operator : JC\MD
 Sample : Q1622-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Field-Blank

Quant Time: Mar 25 01:32:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

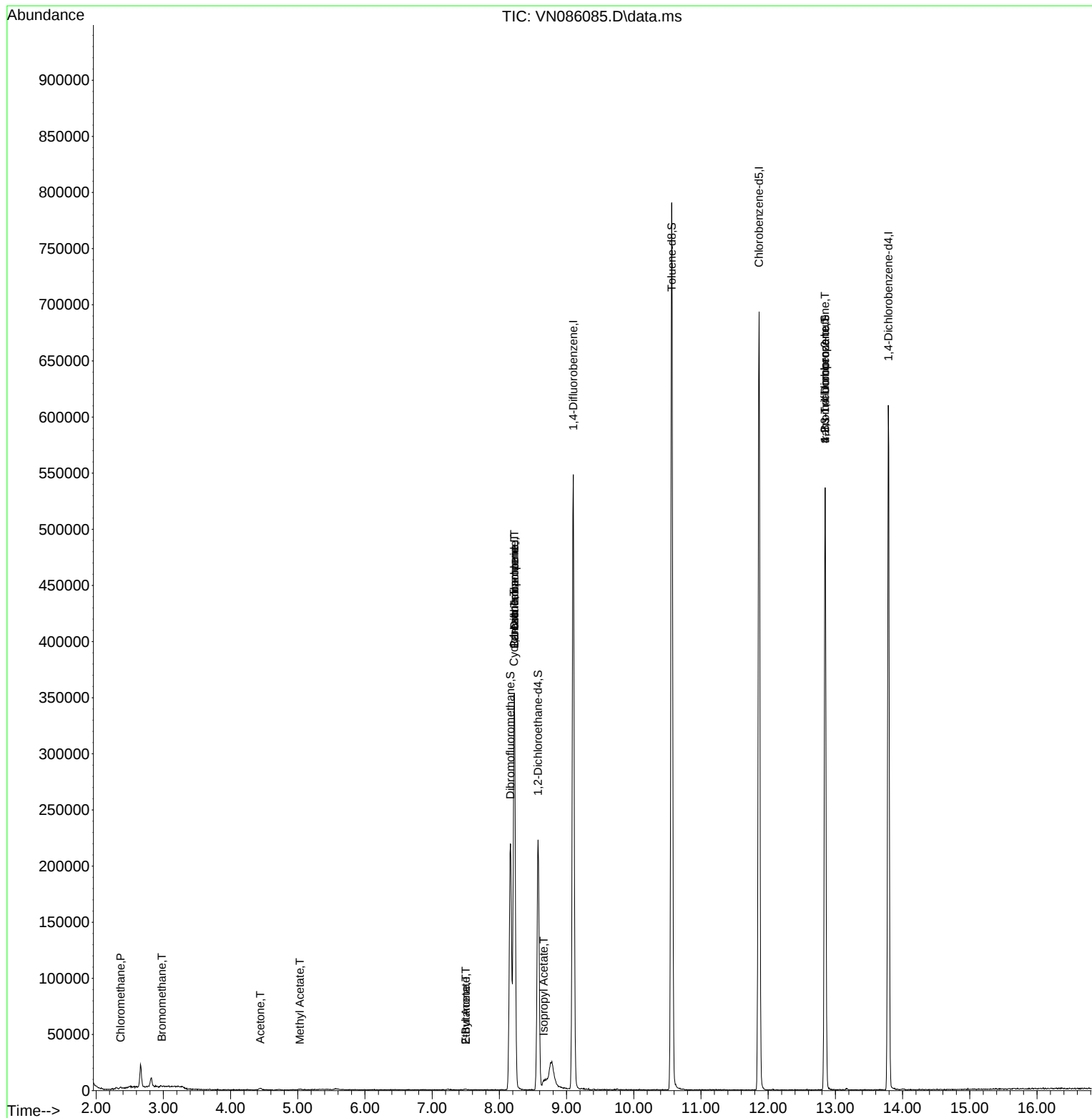
Internal Standards						
1) Pentafluorobenzene	8.224	168	262167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	483807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	422031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	184906	51.506	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.020%	
35) Dibromofluoromethane	8.165	113	163860	48.524	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.040%	
50) Toluene-d8	10.565	98	562711	45.914	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 91.820%	
62) 4-Bromofluorobenzene	12.847	95	187763	42.958	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 85.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1146	0.376	ug/l #	42
5) Bromomethane	2.977	94	441	0.208	ug/l #	4
16) Acetone	4.442	43	2768	2.524	ug/l	91
18) Methyl Acetate	5.030	43	1416	0.522	ug/l #	53
25) 2-Butanone	7.500	43	1376	0.869	ug/l #	40
31) Cyclohexane	8.218	56	5336	1.193	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	20423	4.593	ug/l #	50
37) Ethyl Acetate	7.500	43	1376	0.367	ug/l #	64
38) Carbon Tetrachloride	8.224	117	27316	4.672	ug/l #	18
43) Isopropyl Acetate	8.659	43	4292	0.528	ug/l #	50
76) 1,2,3-Trichloropropane	12.847	75	95022	24.485	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	95022	64.734	ug/l #	16

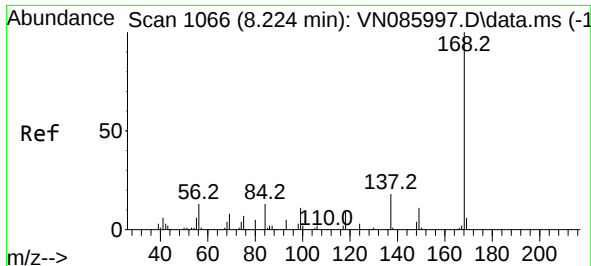
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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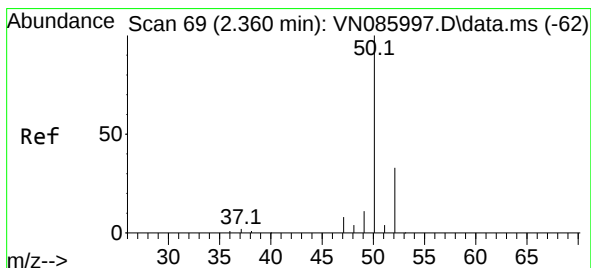
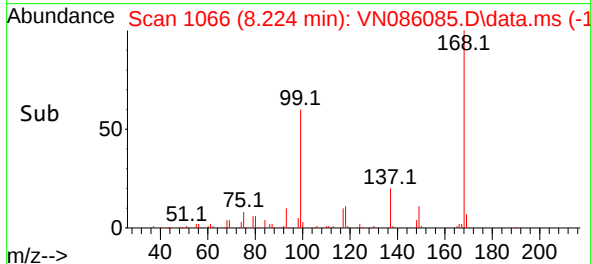
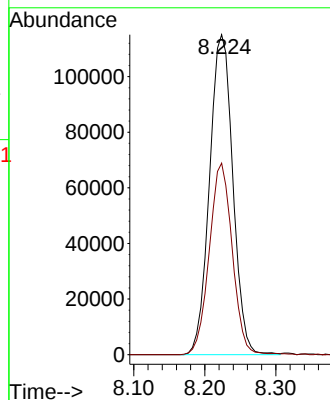
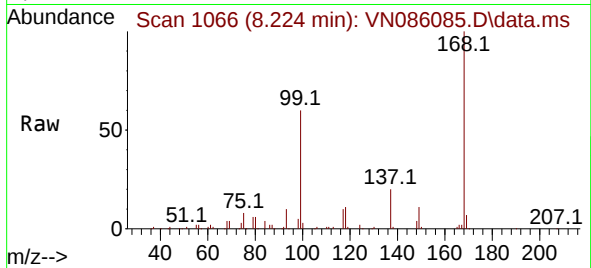




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

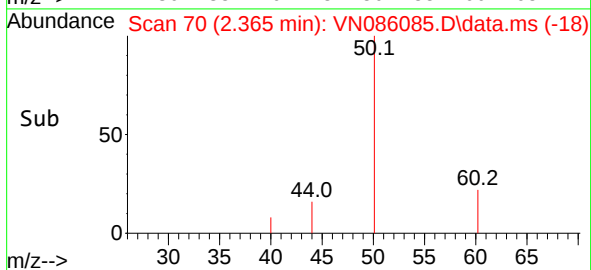
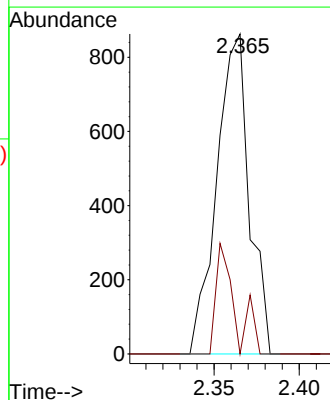
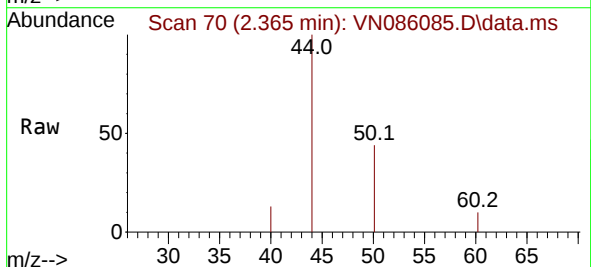
Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

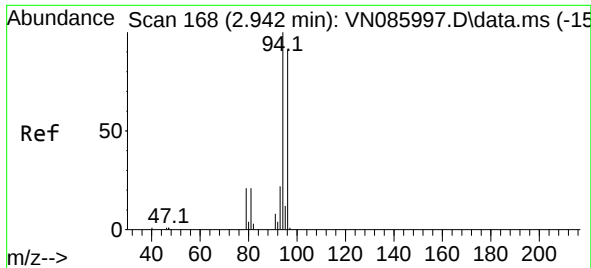
Tgt Ion:168 Resp: 262167
Ion Ratio Lower Upper
168 100
99 59.9 49.4 74.2



#3
Chloromethane
Concen: 0.376 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion: 50 Resp: 1146
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

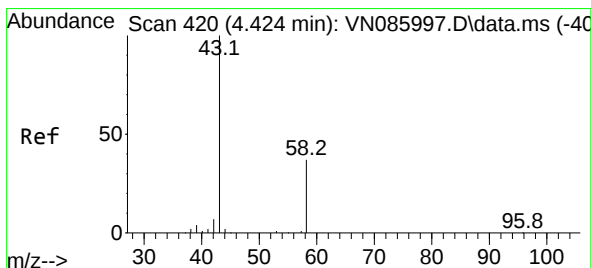
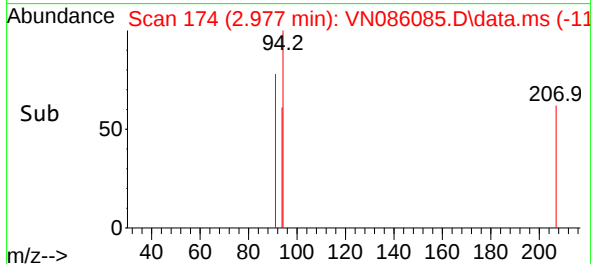
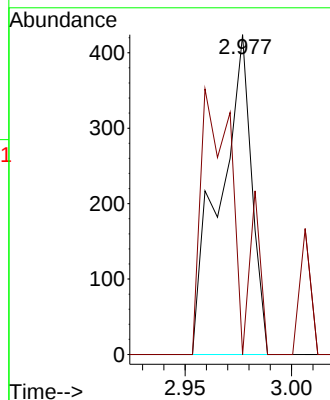
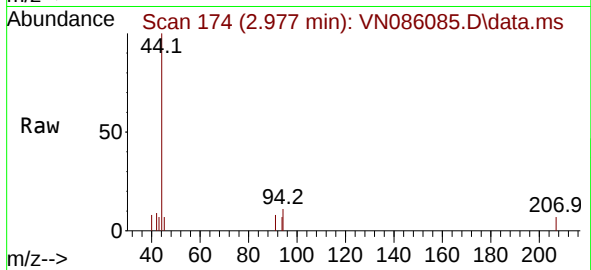




#5
Bromomethane
Concen: 0.208 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

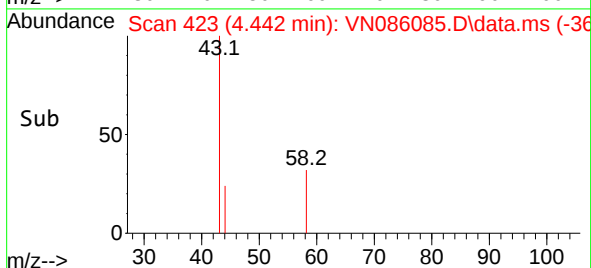
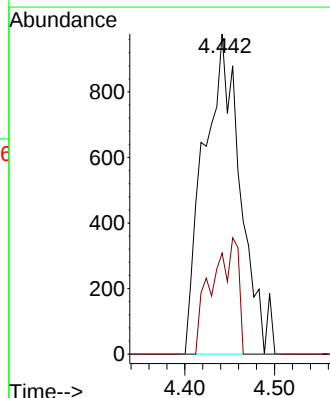
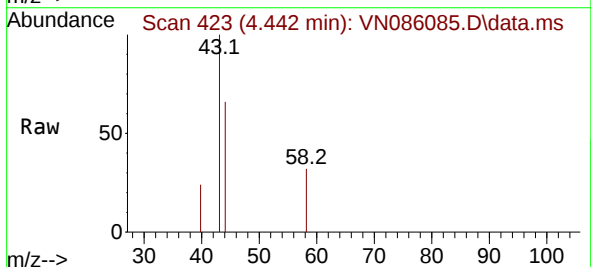
Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

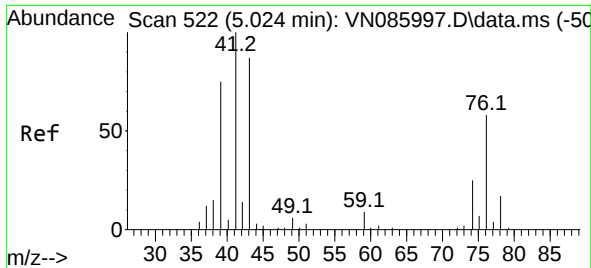
Tgt Ion: 94 Resp: 441
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#



#16
Acetone
Concen: 2.524 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.017 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion: 43 Resp: 2768
Ion Ratio Lower Upper
43 100
58 31.5 29.4 44.2

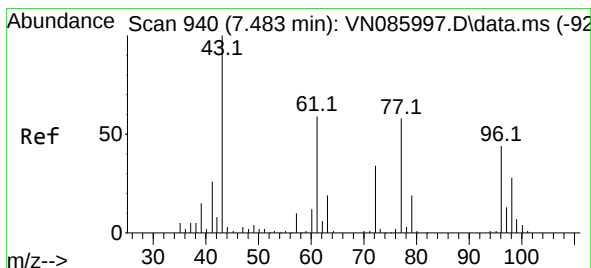
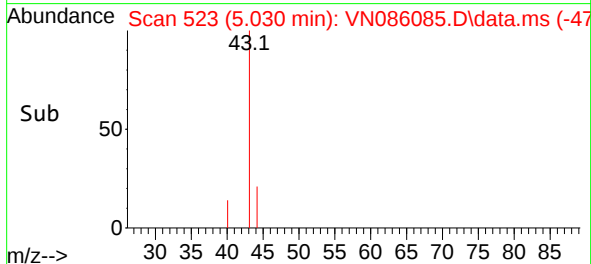
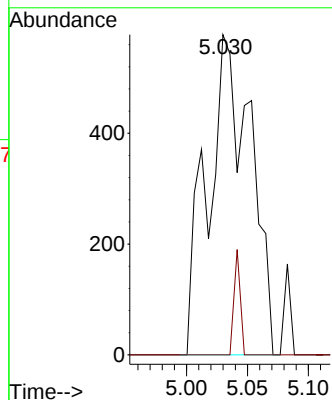
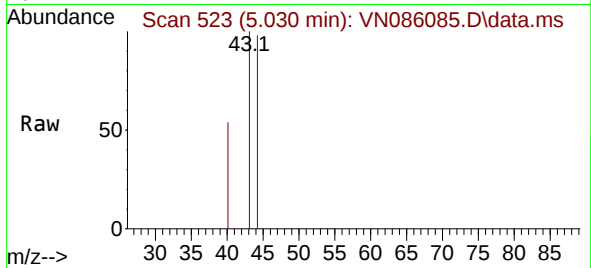




#18
Methyl Acetate
Concen: 0.522 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

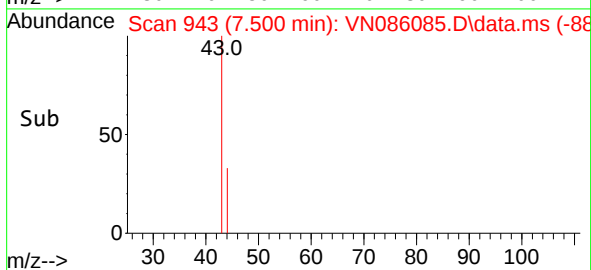
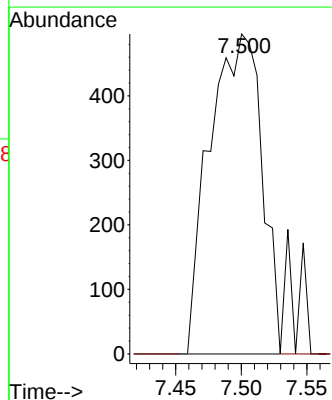
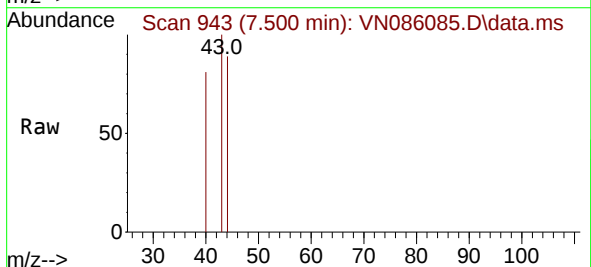
Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

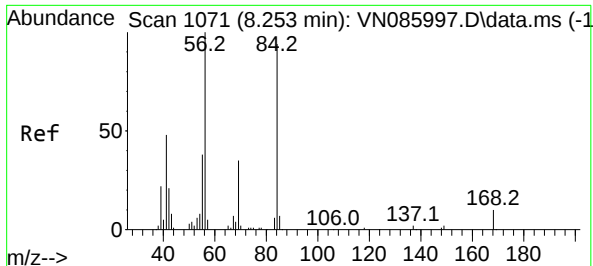
Tgt Ion: 43 Resp: 1416
Ion Ratio Lower Upper
43 100
74 4.7 23.9 35.9#



#25
2-Butanone
Concen: 0.869 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.017 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.0#

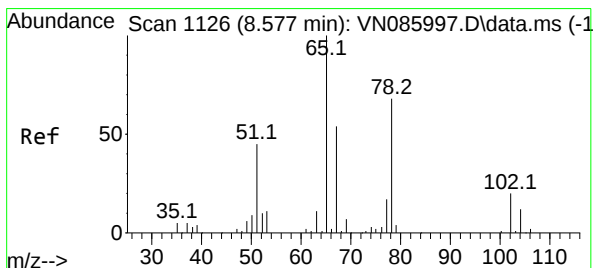
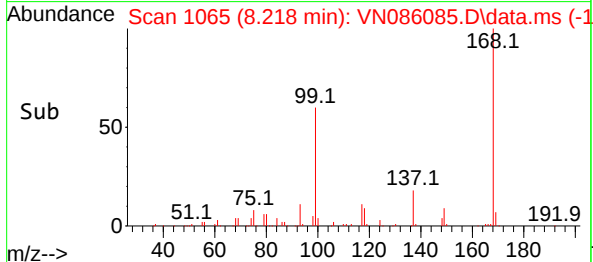
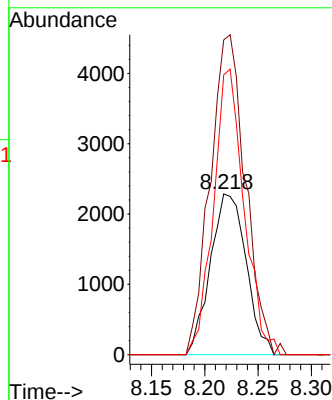
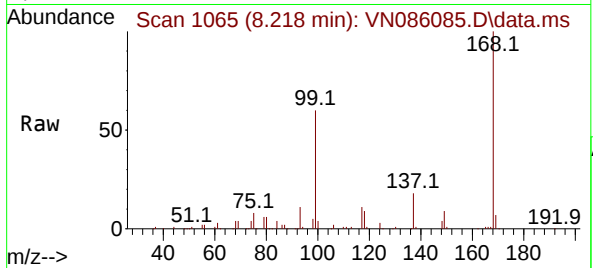




#31
Cyclohexane
Concen: 1.193 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

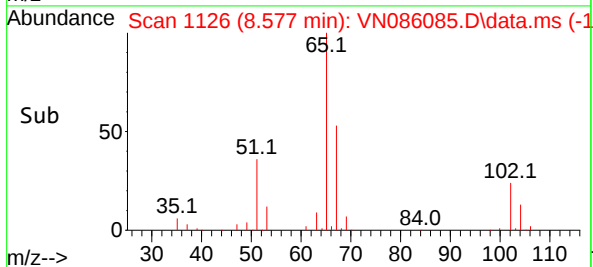
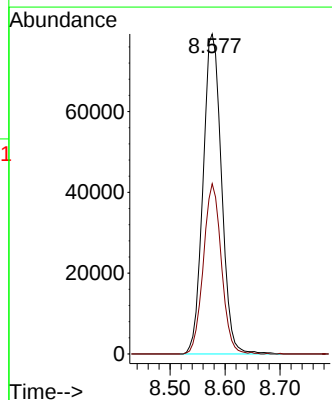
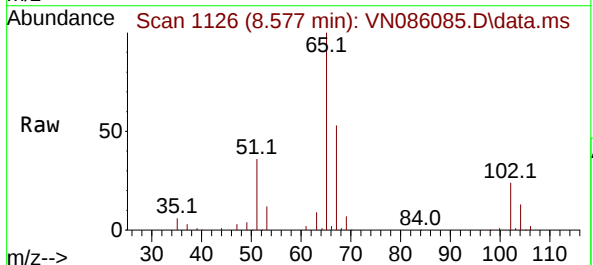
Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

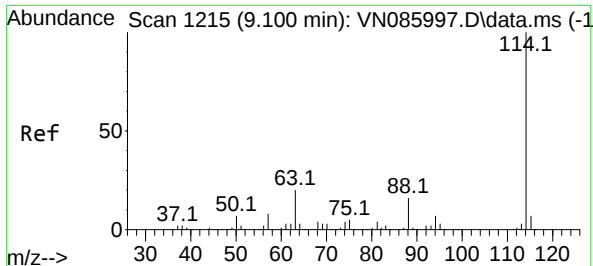
Tgt Ion: 56 Resp: 5336
Ion Ratio Lower Upper
56 100
69 195.8 28.0 42.0#
84 174.1 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 51.506 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion: 65 Resp: 184906
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086085.D

Acq: 24 Mar 2025 20:26

Instrument :

MSVOA_N

ClientSampleId :

Field-Blank

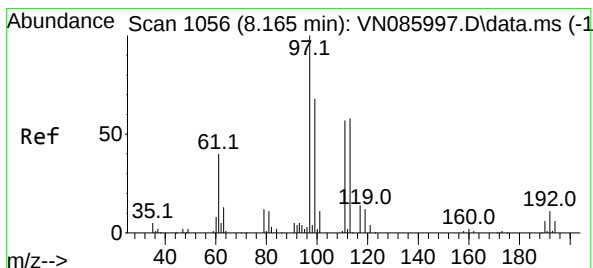
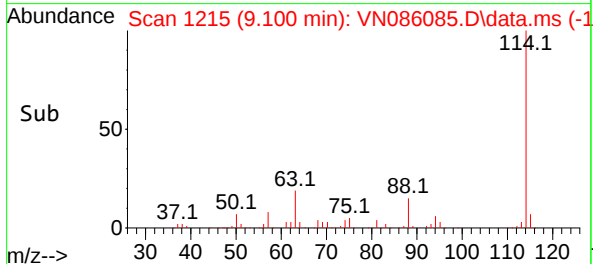
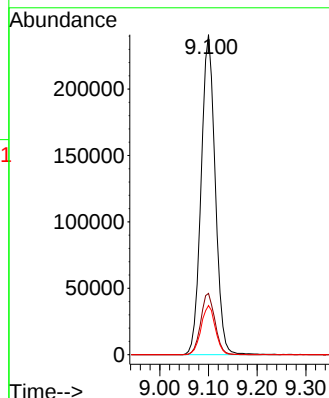
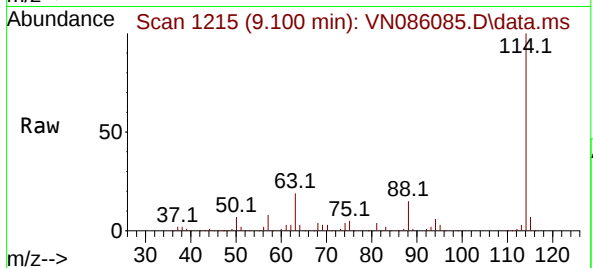
Tgt Ion:114 Resp: 483807

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.524 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086085.D

Acq: 24 Mar 2025 20:26

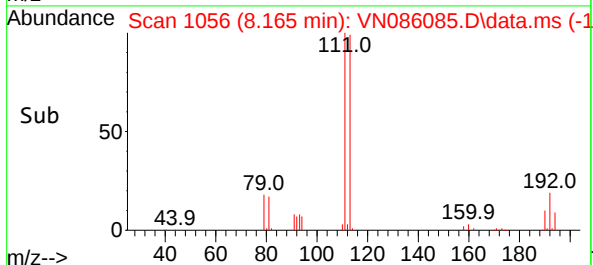
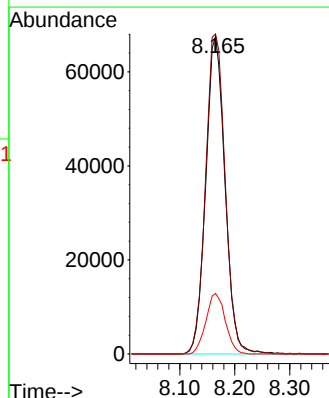
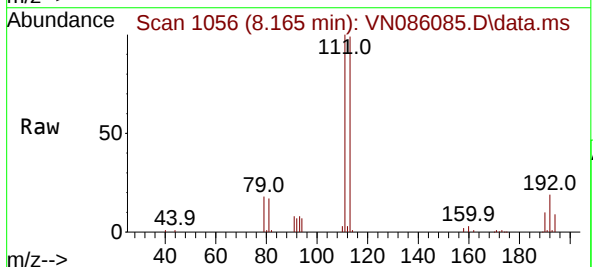
Tgt Ion:113 Resp: 163860

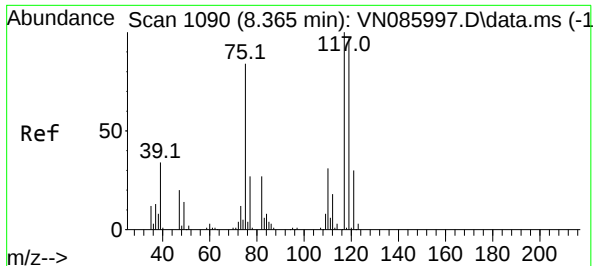
Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

192 19.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.593 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN086085.D

Acq: 24 Mar 2025 20:26

Instrument :

MSVOA_N

ClientSampleId :

Field-Blank

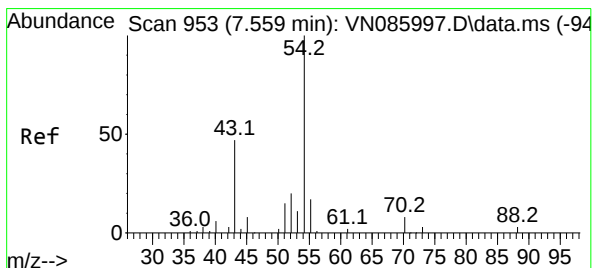
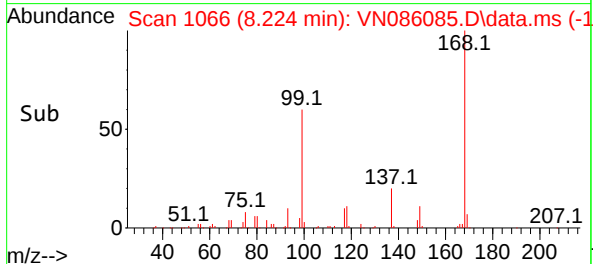
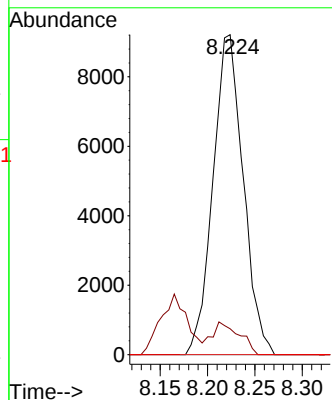
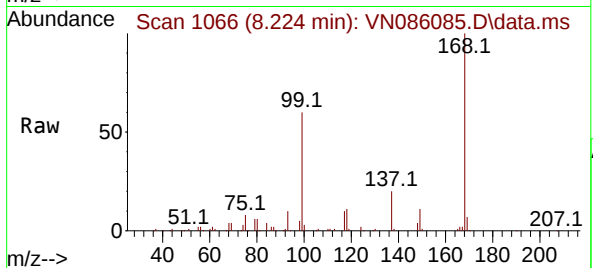
Tgt Ion: 75 Resp: 20423

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.367 ug/l

RT: 7.500 min Scan# 943

Delta R.T. -0.059 min

Lab File: VN086085.D

Acq: 24 Mar 2025 20:26

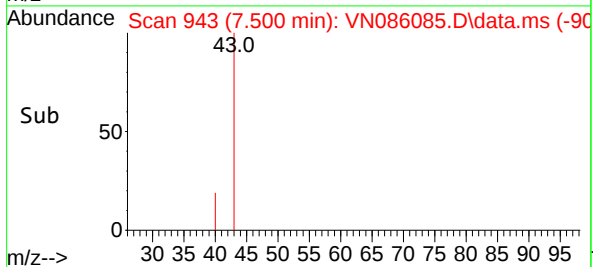
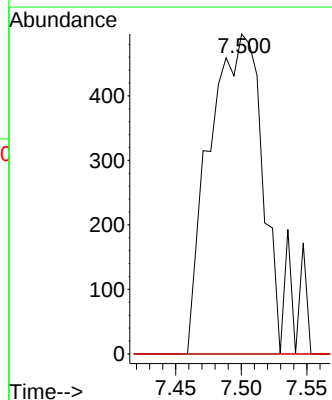
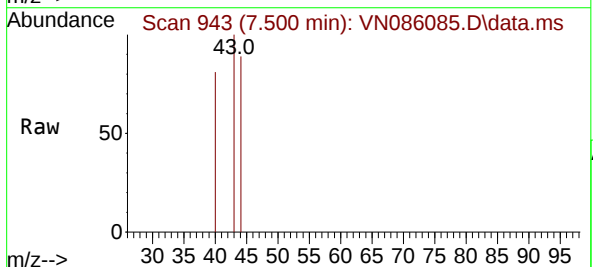
Tgt Ion: 43 Resp: 1376

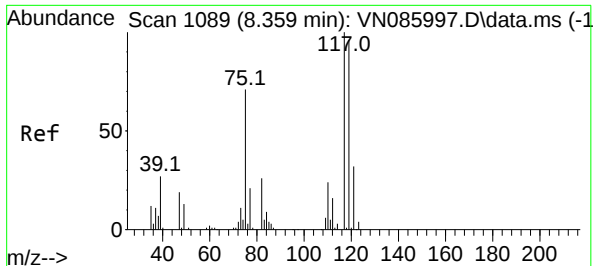
Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 11.0 16.6#

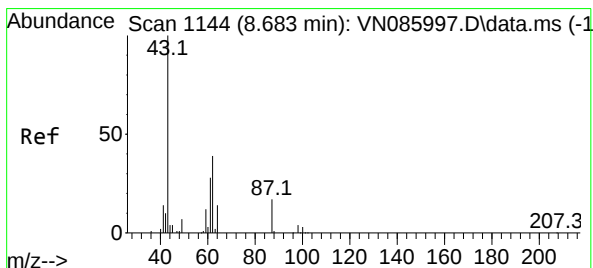
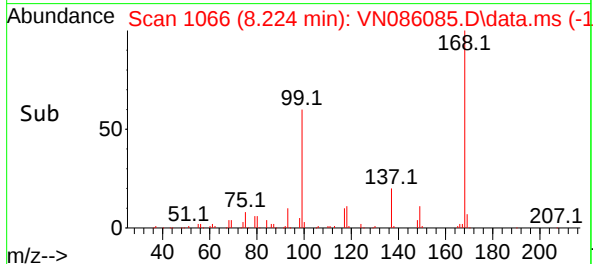
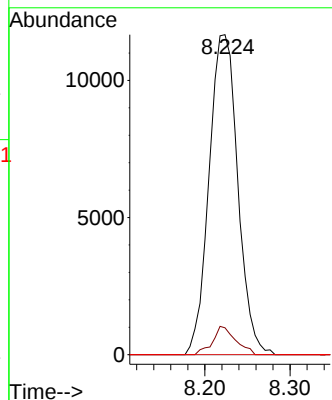
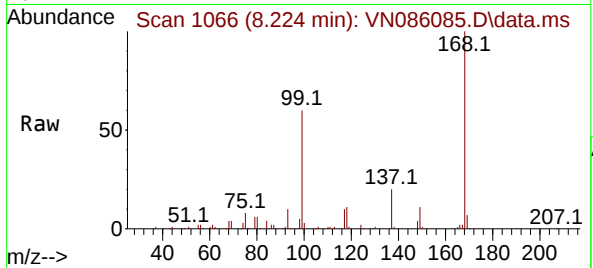




#38
Carbon Tetrachloride
Concen: 4.672 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

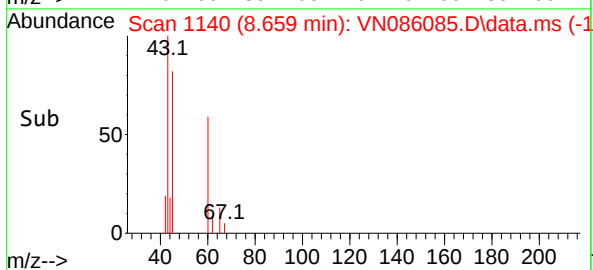
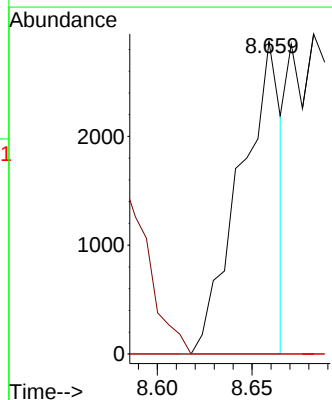
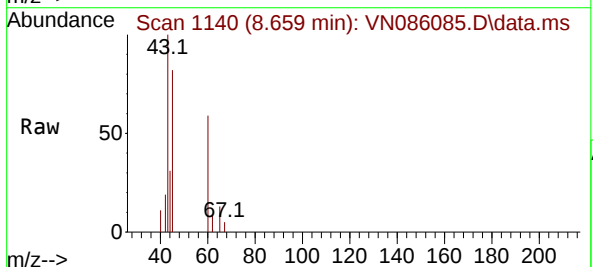
Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

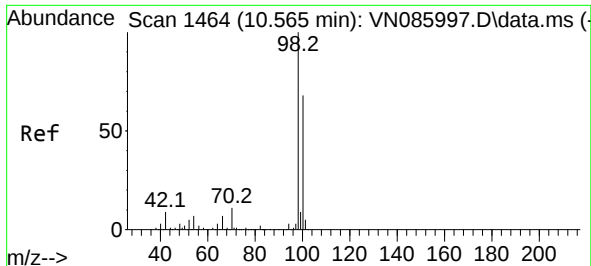
Tgt Ion:117 Resp: 27316
Ion Ratio Lower Upper
117 100
119 8.4 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 0.528 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.024 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion: 43 Resp: 4292
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#

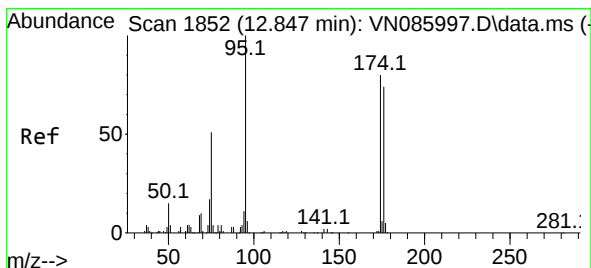
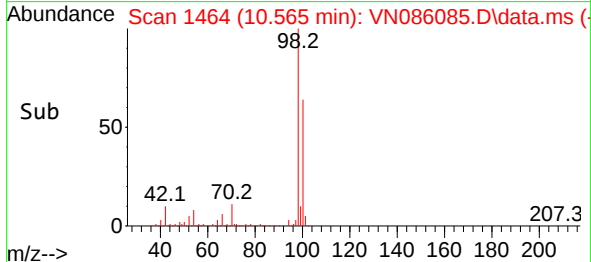
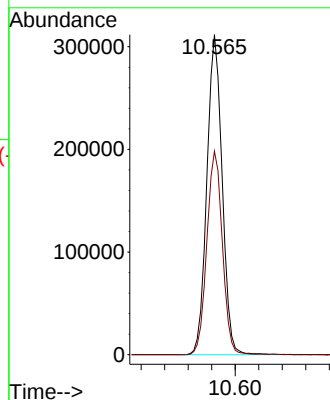
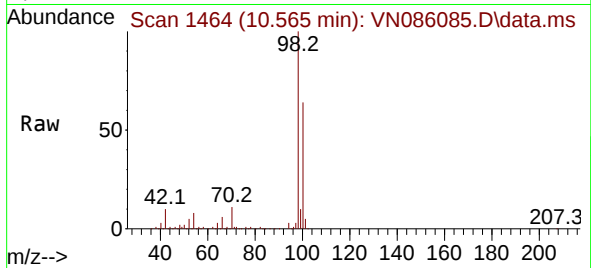




#50
Toluene-d8
Concen: 45.914 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

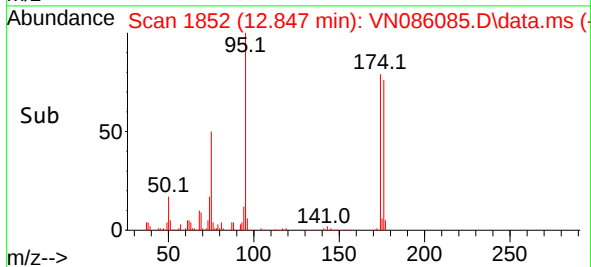
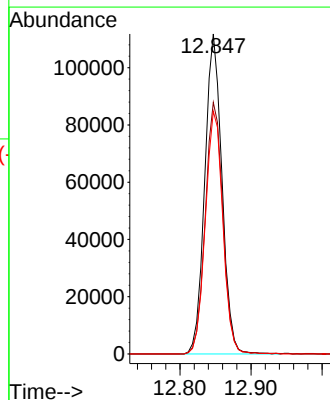
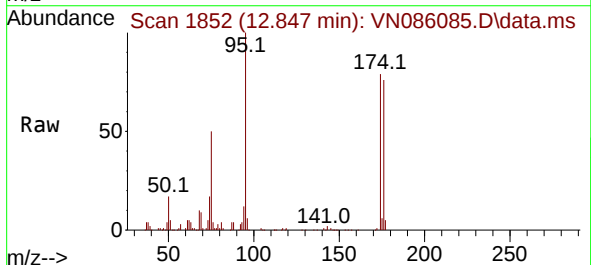
Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

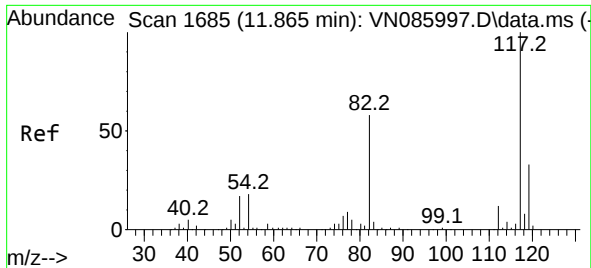
Tgt Ion: 98 Resp: 562711
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 42.958 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion: 95 Resp: 187763
Ion Ratio Lower Upper
95 100
174 81.0 0.0 156.8
176 77.3 0.0 152.2

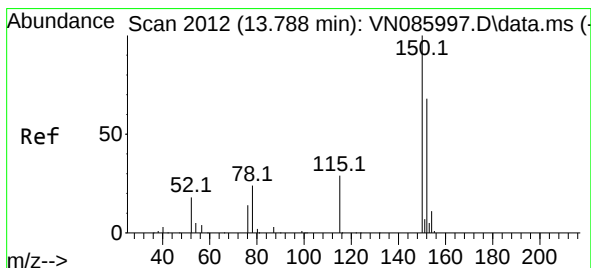
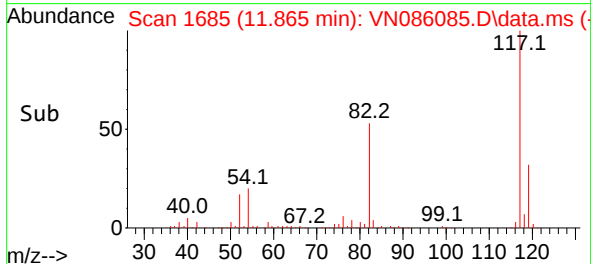
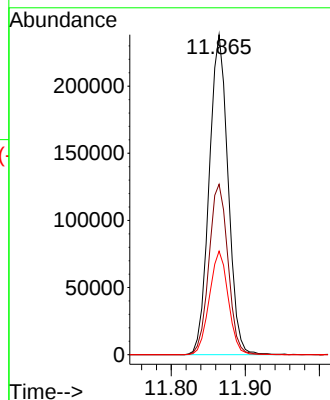
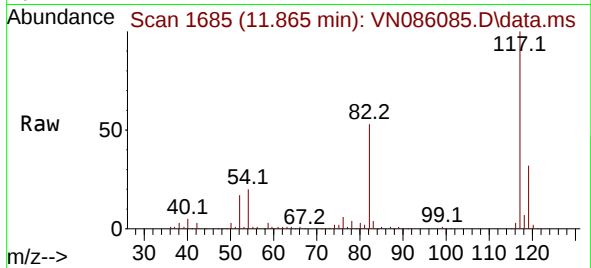




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

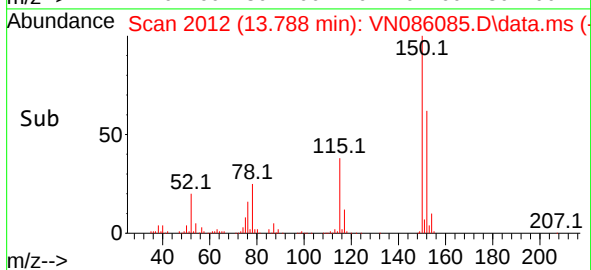
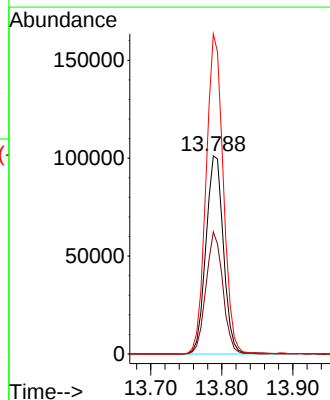
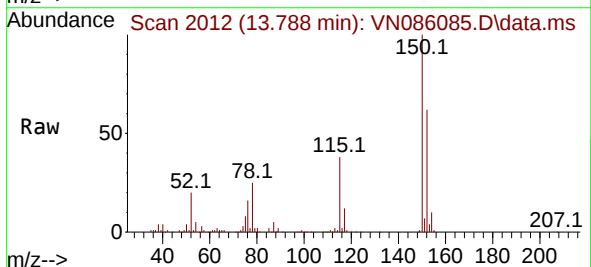
Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

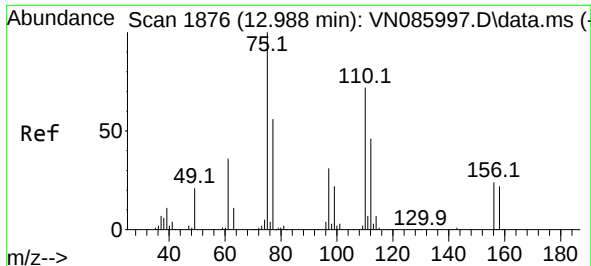
Tgt Ion:117 Resp: 422031
Ion Ratio Lower Upper
117 100
82 53.3 46.7 70.1
119 32.3 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion:152 Resp: 173343
Ion Ratio Lower Upper
152 100
115 59.5 31.1 93.2
150 158.7 0.0 359.6

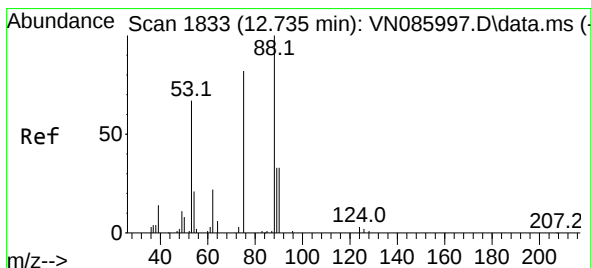
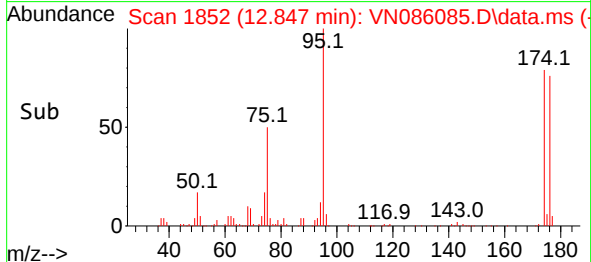
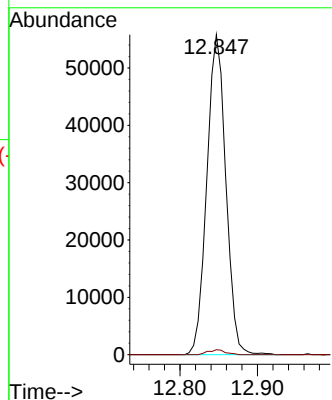
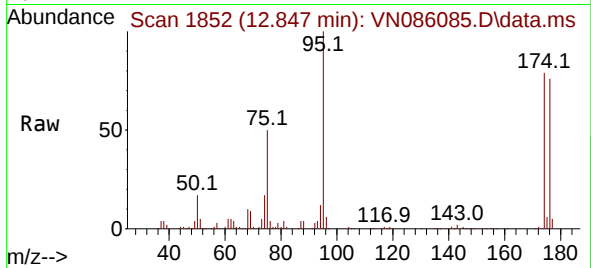




#76
1,2,3-Trichloropropane
Concen: 24.485 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Instrument :
MSVOA_N
ClientSampleId :
Field-Blank

Tgt Ion: 75 Resp: 95022
Ion Ratio Lower Upper
75 100
77 1.4 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.734 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086085.D
Acq: 24 Mar 2025 20:26

Tgt Ion: 75 Resp: 95022
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 36.9 55.3#

