

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085934.D
 Acq On : 11 Mar 2025 16:16
 Operator : JC\MD
 Sample : Q1514-09RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 12 01:23:43 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	176702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	336260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119405	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134504	58.713	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.420%
35) Dibromofluoromethane	8.165	113	112664	51.203	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.400%
50) Toluene-d8	10.565	98	387134	48.359	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.720%
62) 4-Bromofluorobenzene	12.847	95	125306	47.507	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.020%

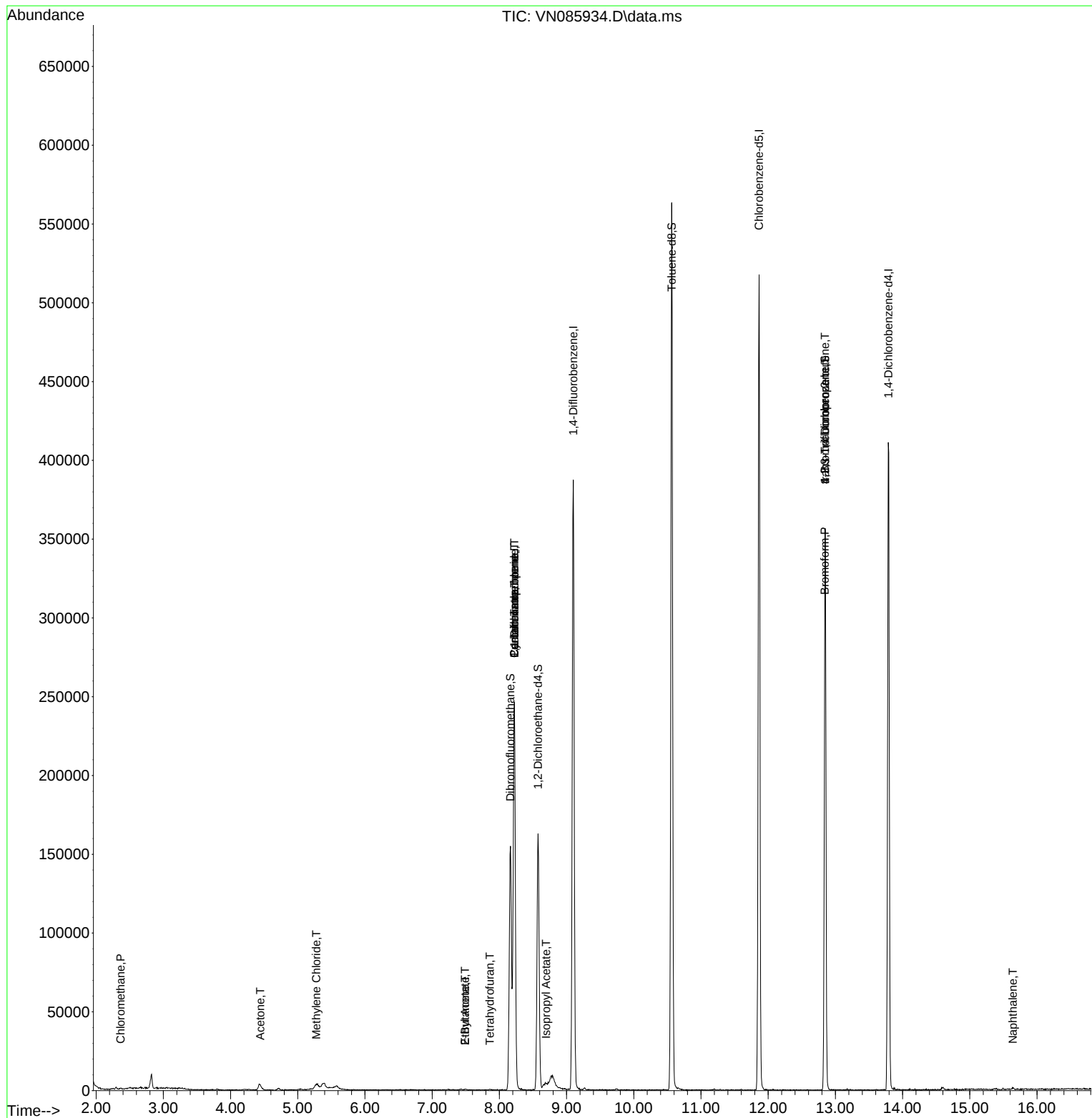
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	649	0.269	ug/l #	41
16) Acetone	4.442	43	7216	9.955	ug/l	95
20) Methylene Chloride	5.277	84	2662	1.142	ug/l #	92
25) 2-Butanone	7.489	43	808	0.758	ug/l #	45
29) Tetrahydrofuran	7.859	42	264	0.383	ug/l #	29
31) Cyclohexane	8.224	56	4186	1.279	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	15180	4.875	ug/l #	49
37) Ethyl Acetate	7.489	43	808	0.315	ug/l #	66
38) Carbon Tetrachloride	8.224	117	18925	5.115	ug/l #	18
43) Isopropyl Acetate	8.694	43	4226	0.398	ug/l #	53
71) Bromoform	12.841	173	502	0.274	ug/l #	27
76) 1,2,3-Trichloropropane	12.847	75	63709	24.019	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63709	70.083	ug/l #	13
95) Naphthalene	15.641	128	1349	0.259	ug/l #	76

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

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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

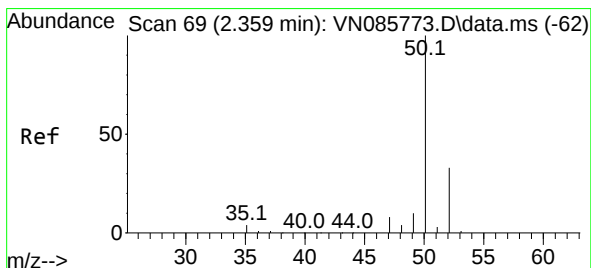
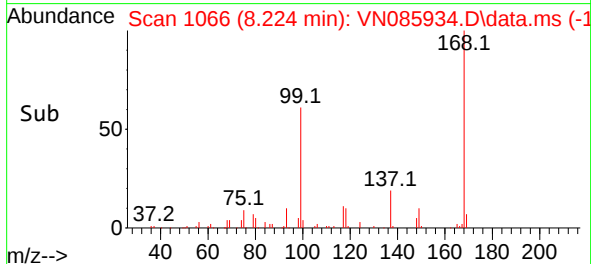
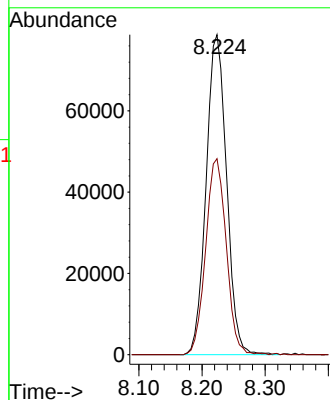
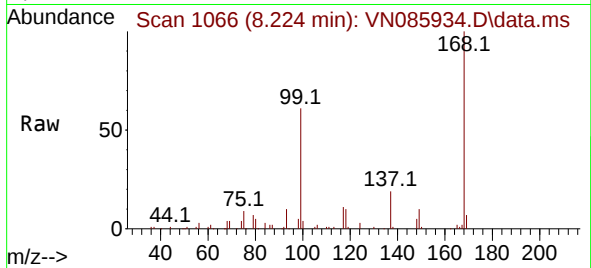




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

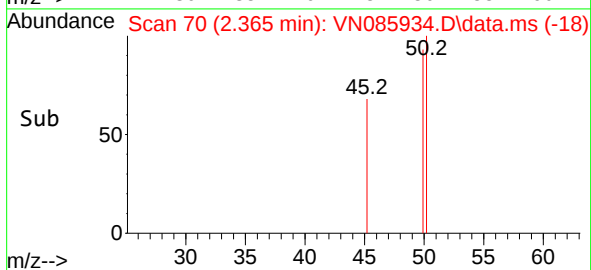
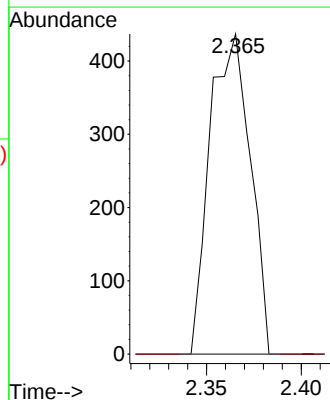
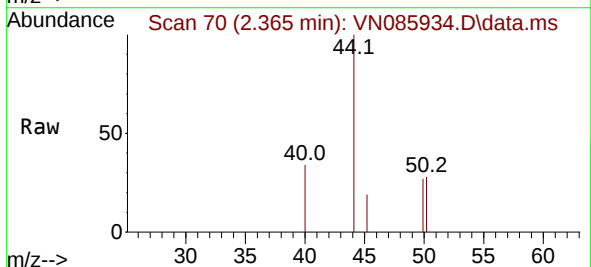
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 176702
Ion Ratio Lower Upper
168 100
99 61.2 47.9 71.9



#3
Chloromethane
Concen: 0.269 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Tgt Ion: 50 Resp: 649
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

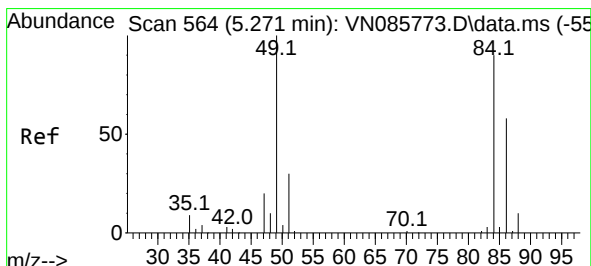
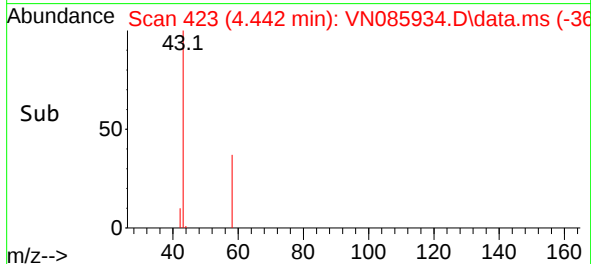
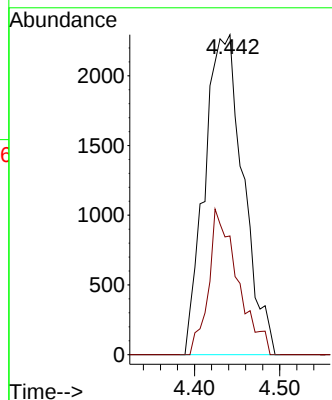
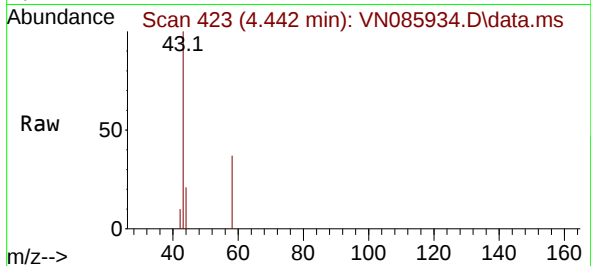




#16
Acetone
Concen: 9.955 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

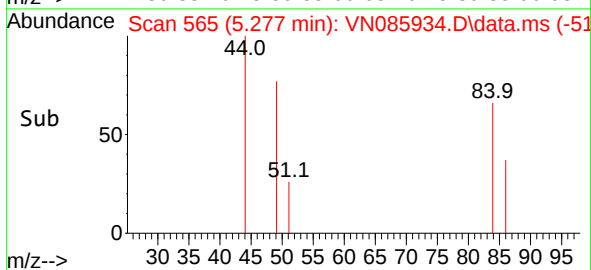
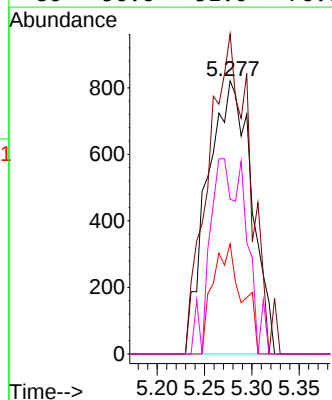
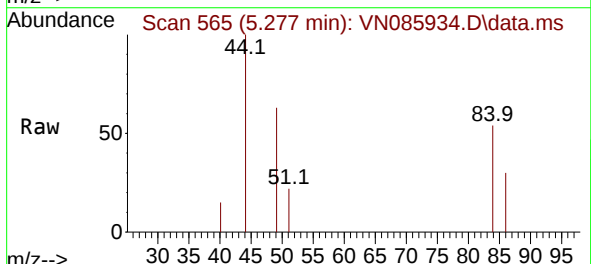
Instrument :
MSVOA_N
ClientSampleId :

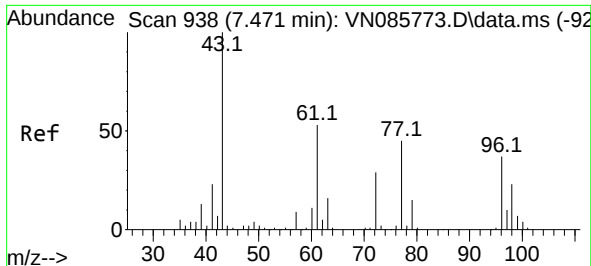
Tgt Ion: 43 Resp: 7216
Ion Ratio Lower Upper
43 100
58 37.1 27.5 41.3



#20
Methylene Chloride
Concen: 1.142 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Tgt Ion: 84 Resp: 2662
Ion Ratio Lower Upper
84 100
49 117.2 88.4 132.6
51 40.3 26.6 40.0#
86 56.6 51.0 76.6

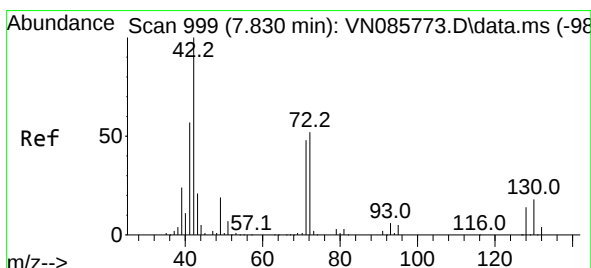
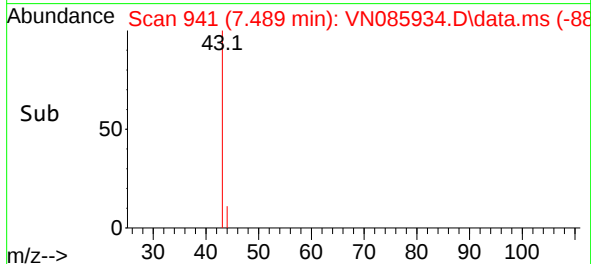
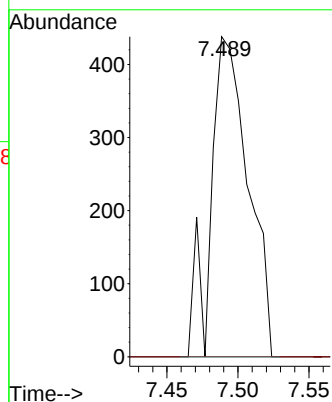
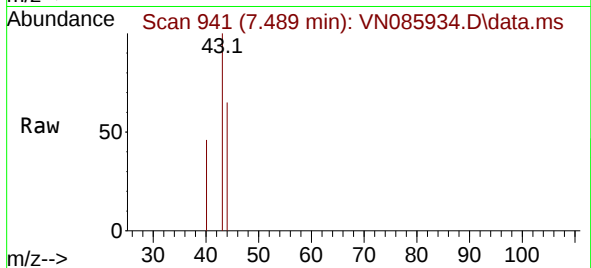




#25
2-Butanone
Concen: 0.758 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

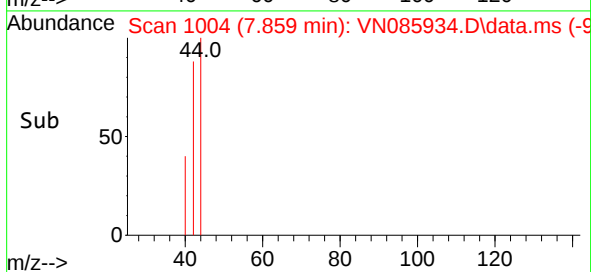
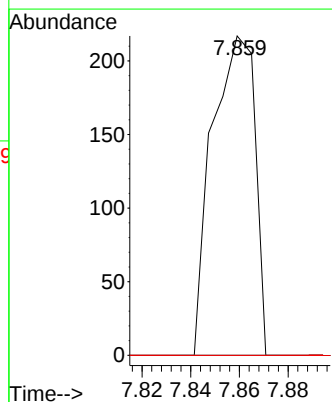
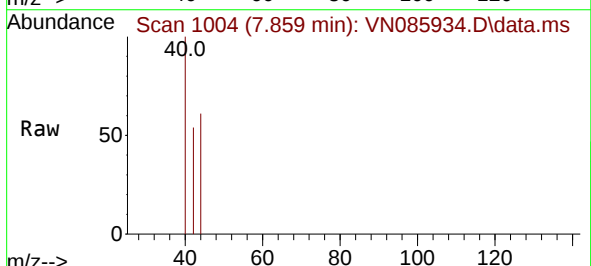
Instrument :
MSVOA_N
ClientSampleId :

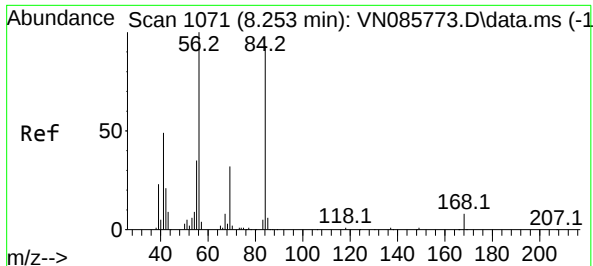
Tgt Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
72 0.0 23.6 35.4#



#29
Tetrahydrofuran
Concen: 0.383 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.029 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

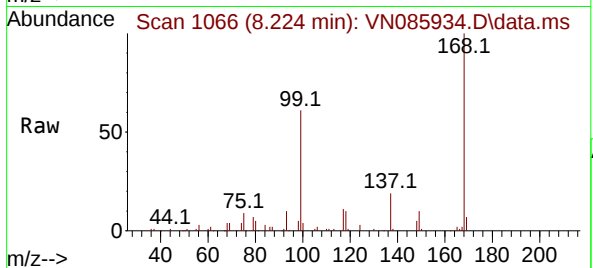
Tgt Ion: 42 Resp: 264
Ion Ratio Lower Upper
42 100
72 0.0 40.0 60.0#
71 0.0 37.0 55.4#



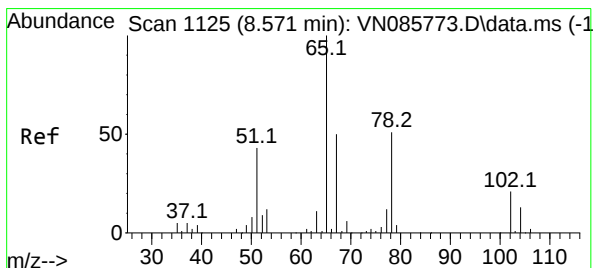
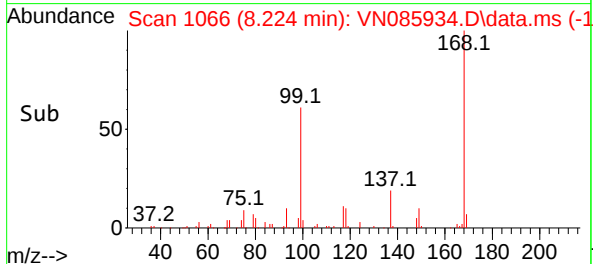
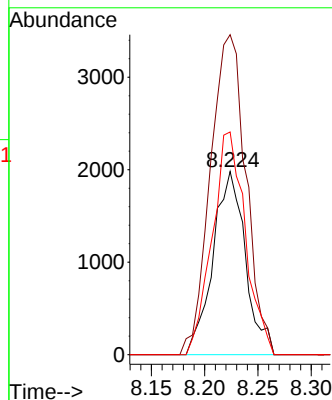


#31
Cyclohexane
Concen: 1.279 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :

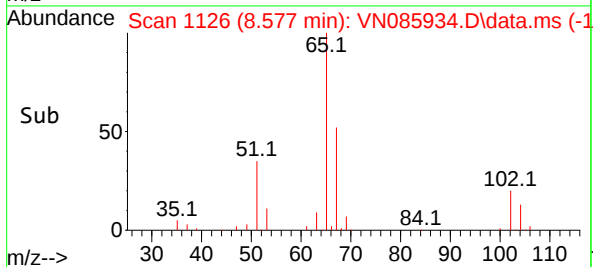
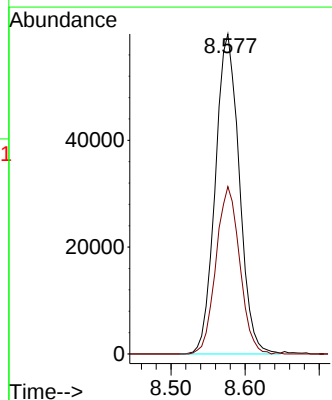
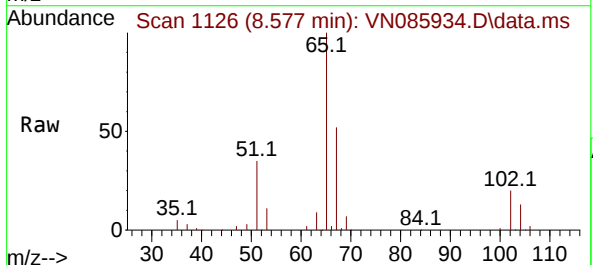


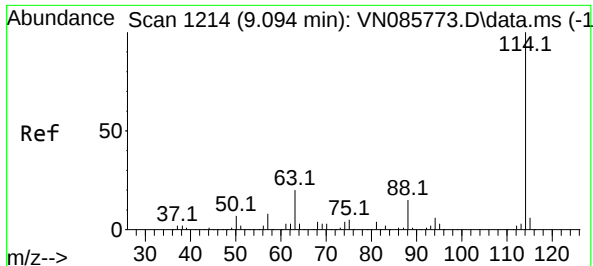
Tgt Ion: 56 Resp: 4186
Ion Ratio Lower Upper
56 100
69 174.7 25.8 38.6#
84 121.6 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 58.713 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Tgt Ion: 65 Resp: 134504
Ion Ratio Lower Upper
65 100
67 51.9 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: VN085934.D

Acq: 11 Mar 2025 16:16

Instrument :

MSVOA_N

ClientSampleId :

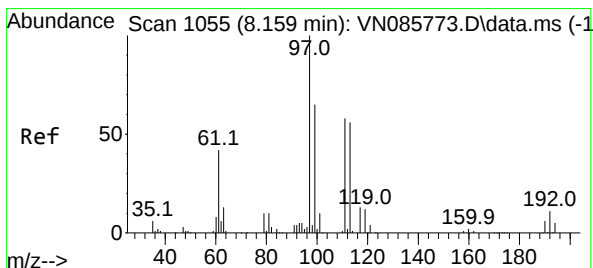
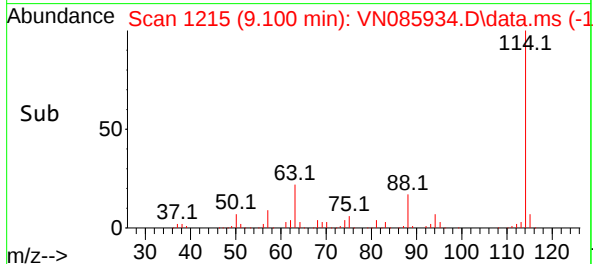
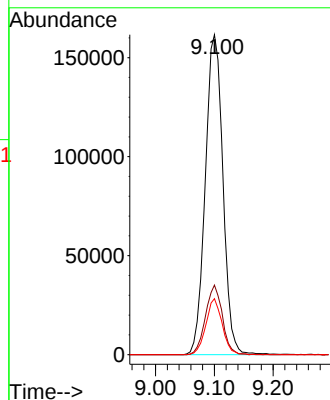
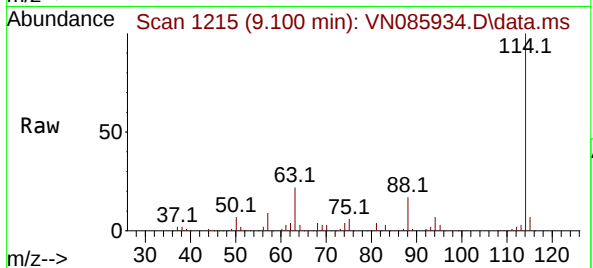
Tgt Ion:114 Resp: 336260

Ion Ratio Lower Upper

114 100

63 21.8 0.0 39.2

88 17.5 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.203 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085934.D

Acq: 11 Mar 2025 16:16

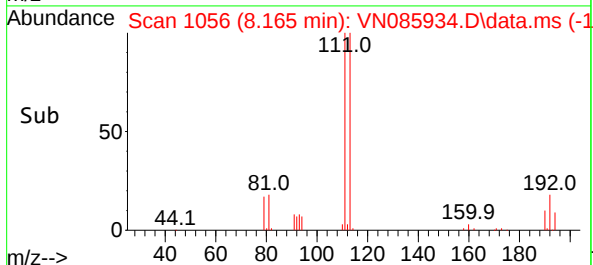
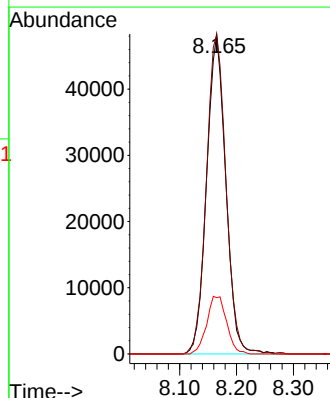
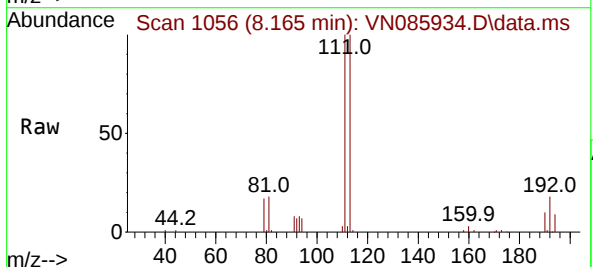
Tgt Ion:113 Resp: 112664

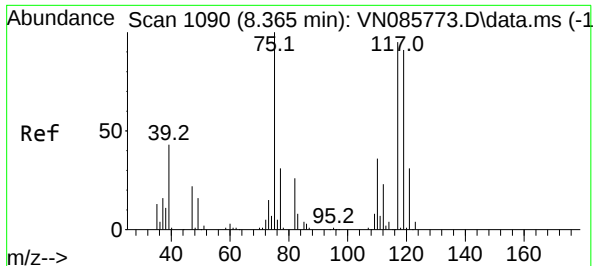
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 18.7 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.875 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085934.D

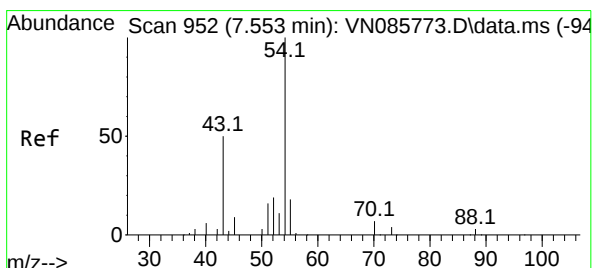
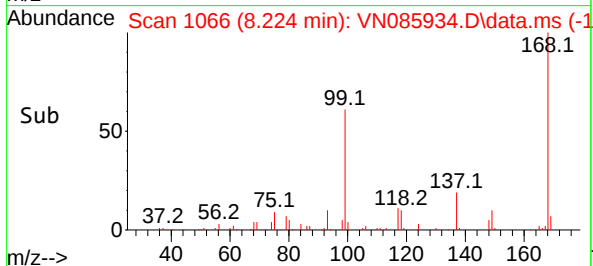
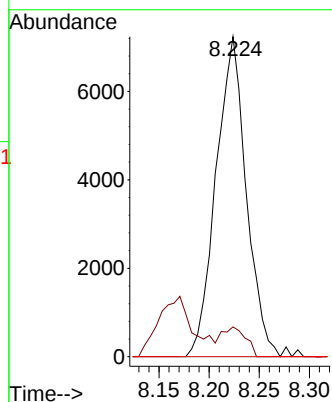
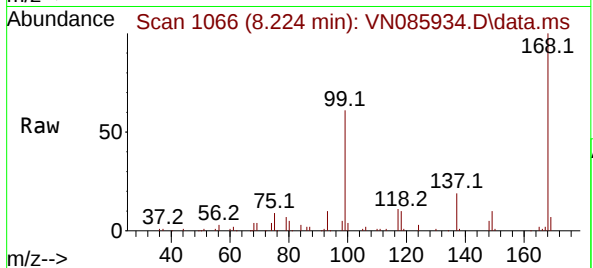
Acq: 11 Mar 2025 16:16

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	15180
Ion	Ratio	Lower	Upper
75	100		
110	7.4	17.3	52.0#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

Concen: 0.315 ug/l

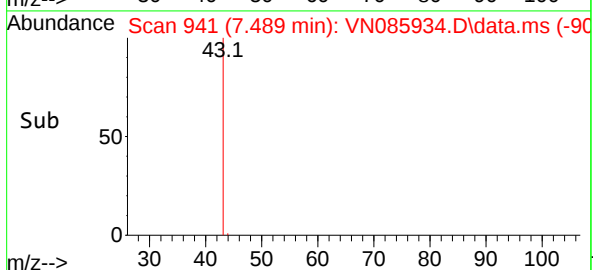
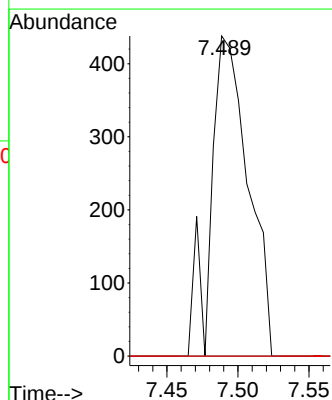
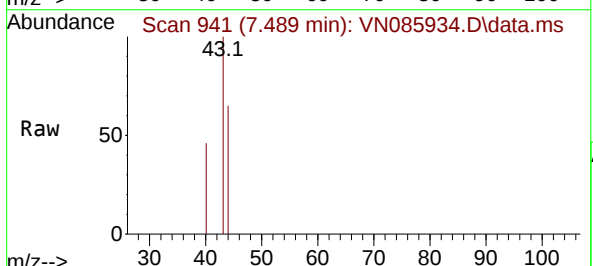
RT: 7.489 min Scan# 941

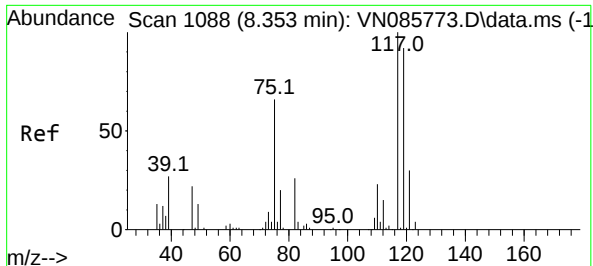
Delta R.T. -0.065 min

Lab File: VN085934.D

Acq: 11 Mar 2025 16:16

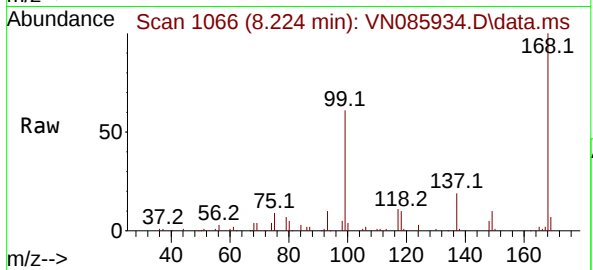
Tgt Ion:	43	Resp:	808
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.2#
70	0.0	9.5	14.3#



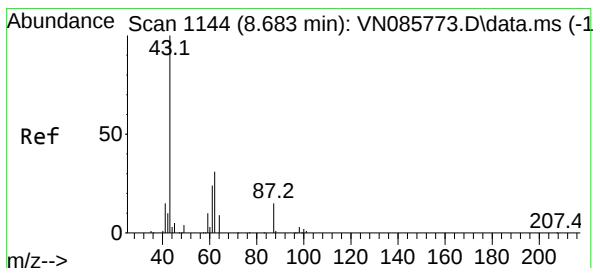
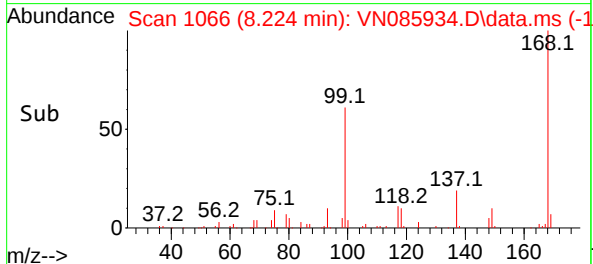
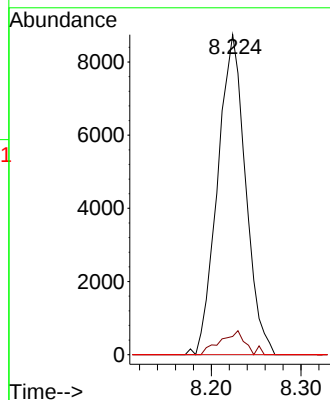


#38
Carbon Tetrachloride
Concen: 5.115 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.129 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :

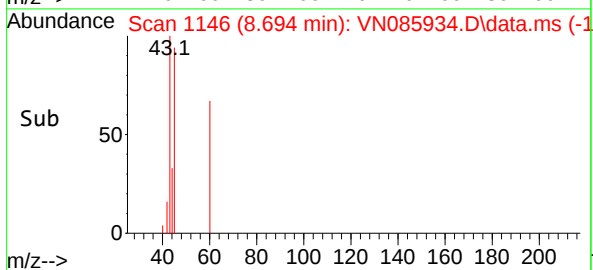
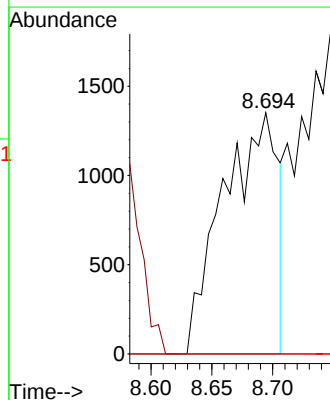
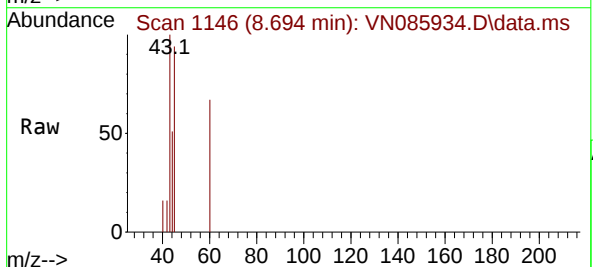


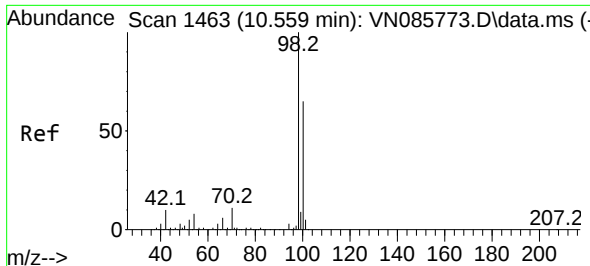
Tgt Ion:117 Resp: 18925
Ion Ratio Lower Upper
117 100
119 5.7 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 0.398 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.011 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Tgt Ion: 43 Resp: 4226
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#

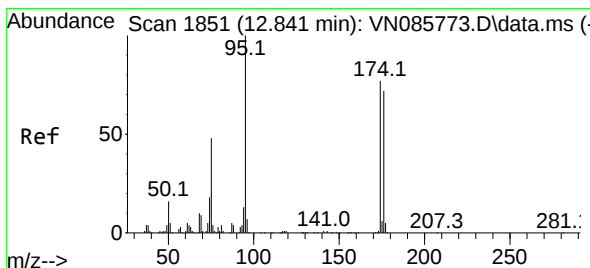
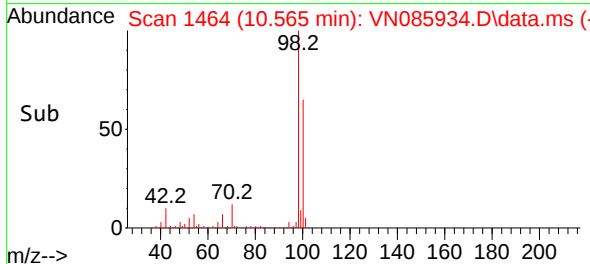
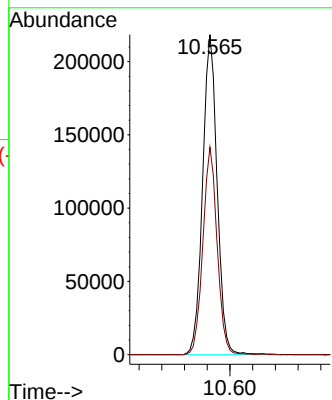
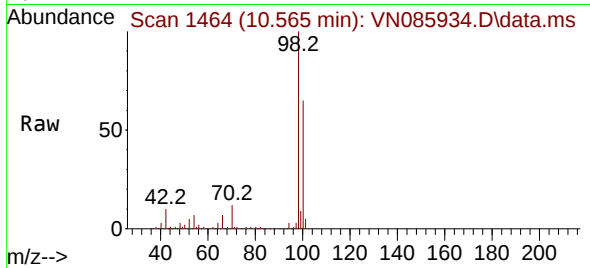




#50
Toluene-d8
Concen: 48.359 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

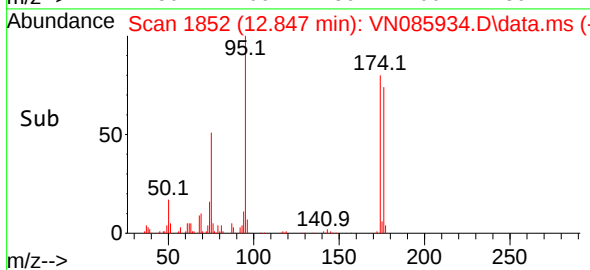
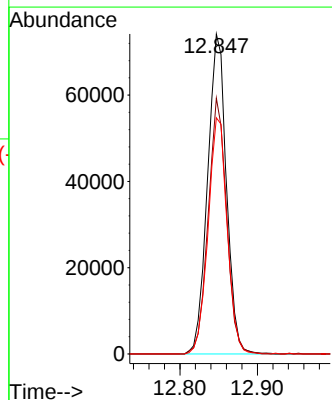
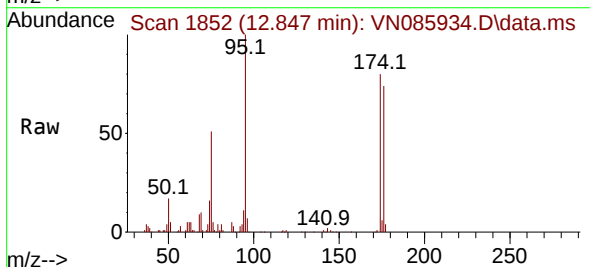
Instrument :
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ClientSampleId :

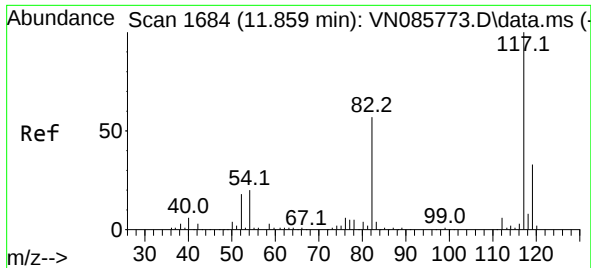
Tgt Ion: 98 Resp: 387134
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.507 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Tgt Ion: 95 Resp: 125306
Ion Ratio Lower Upper
95 100
174 78.1 0.0 152.4
176 74.5 0.0 146.6

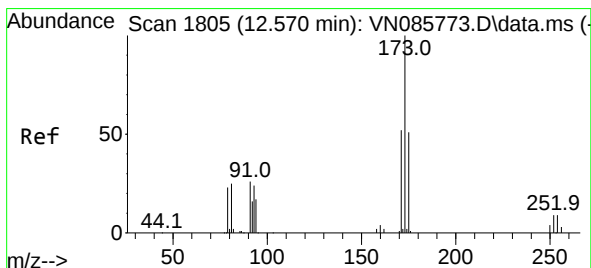
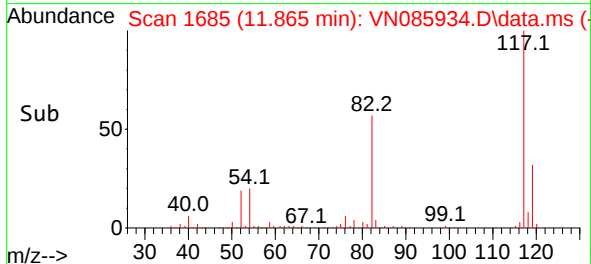
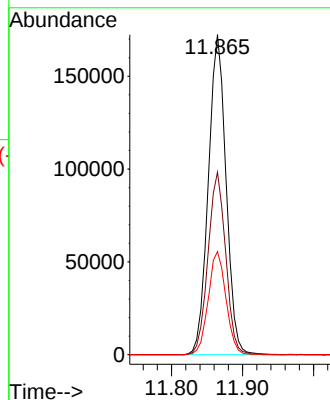
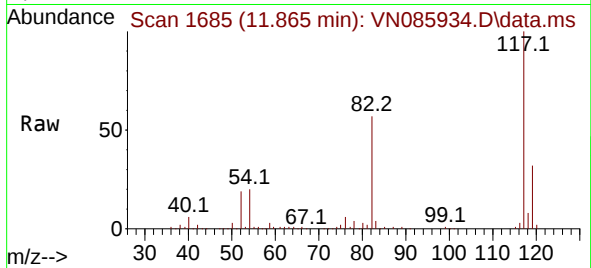




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

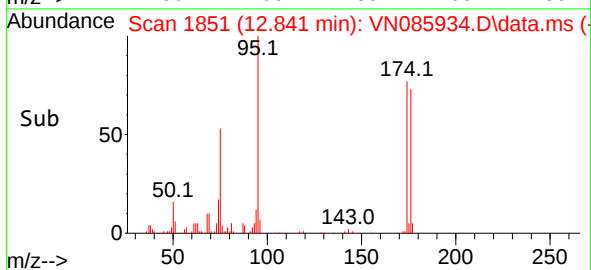
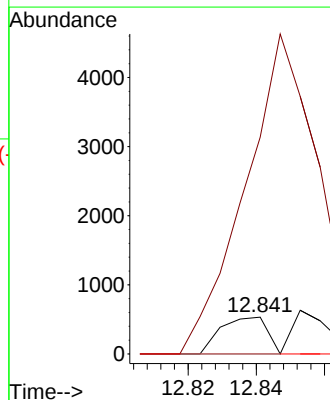
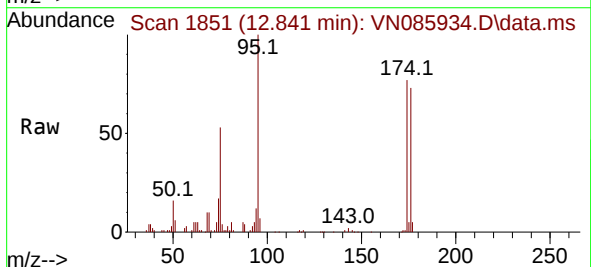
Instrument :
MSVOA_N
ClientSampleId :

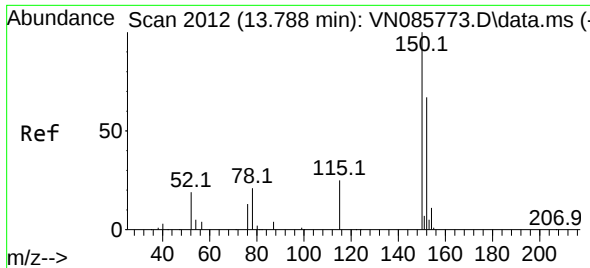
Tgt Ion:117 Resp: 299219
Ion Ratio Lower Upper
117 100
82 57.1 45.7 68.5
119 32.2 26.2 39.2



#71
Bromoform
Concen: 0.274 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.271 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Tgt Ion:173 Resp: 502
Ion Ratio Lower Upper
173 100
175 0.0 25.1 75.4#
254 0.0 0.0 0.0

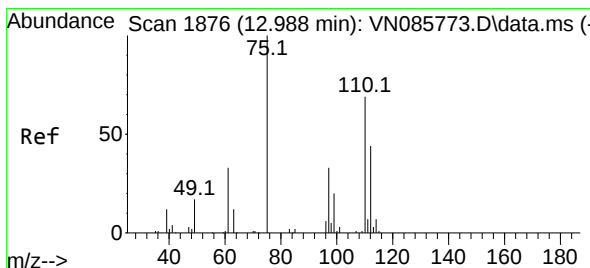
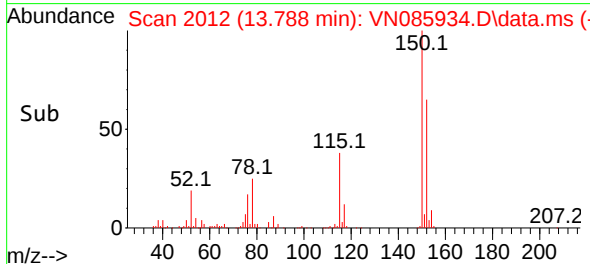
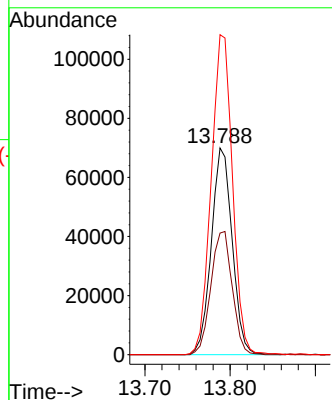
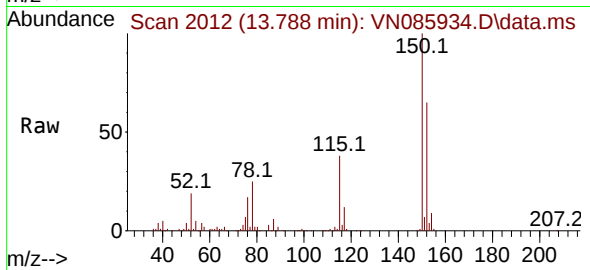




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN085934.D
 Acq: 11 Mar 2025 16:16

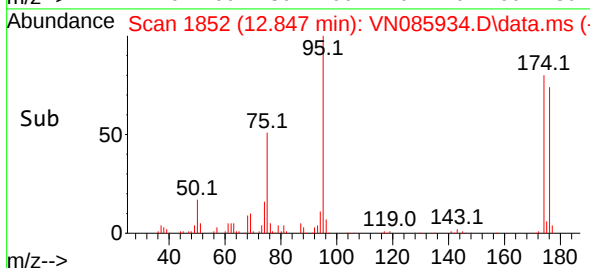
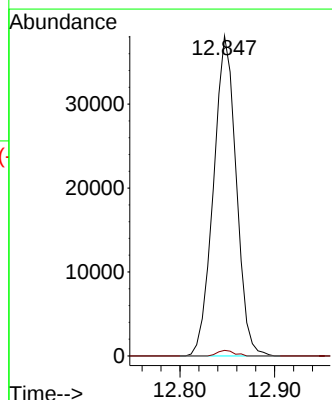
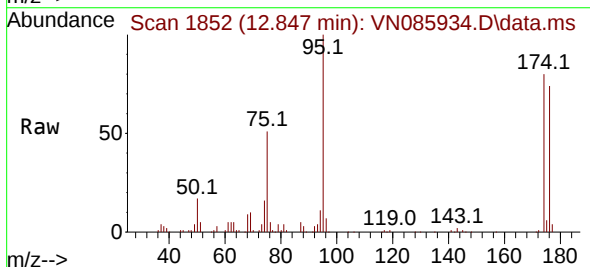
Instrument :
 MSVOA_N
 ClientSampleId :

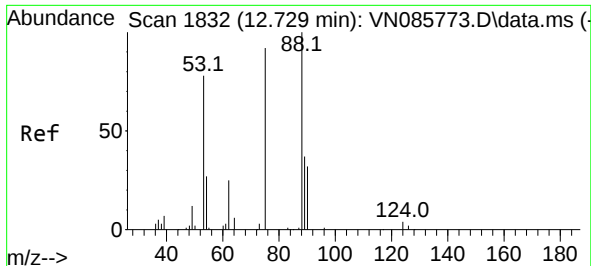
Tgt Ion:152 Resp: 119405
 Ion Ratio Lower Upper
 152 100
 115 60.8 30.4 91.3
 150 157.6 0.0 345.4



#76
 1,2,3-Trichloropropane
 Concen: 24.019 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085934.D
 Acq: 11 Mar 2025 16:16

Tgt Ion: 75 Resp: 63709
 Ion Ratio Lower Upper
 75 100
 77 1.3 100.0 300.0#

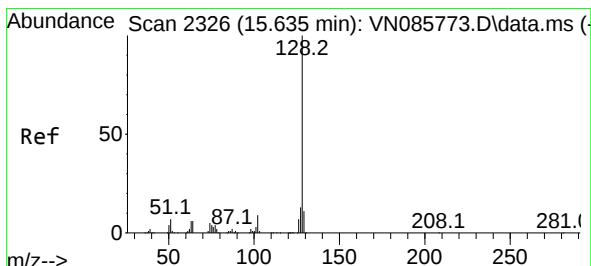
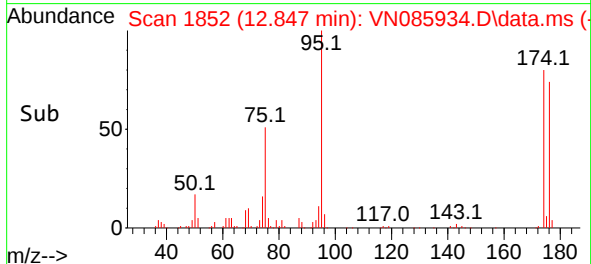
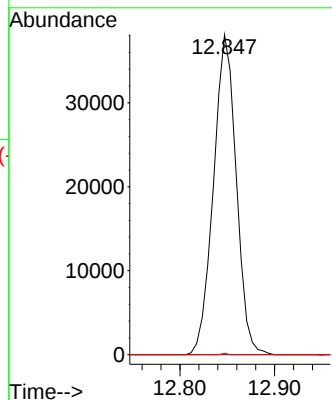
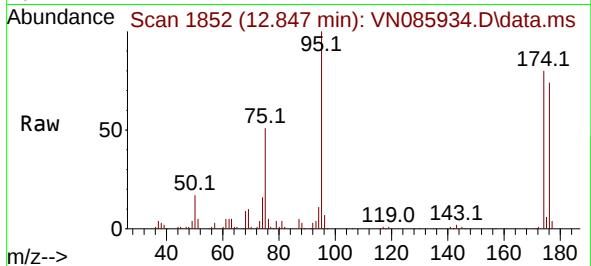




#81
trans-1,4-Dichloro-2-butene
Concen: 70.083 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 63709
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.9 52.3#



#95
Naphthalene
Concen: 0.259 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Tgt Ion:128 Resp: 1349
Ion Ratio Lower Upper
128 100
127 5.0 10.2 15.2#
129 0.0 8.7 13.1#

