

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
 Data File : VN085921.D
 Acq On : 10 Mar 2025 17:59
 Operator : JC\MD
 Sample : Q1514-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 11 01:40:49 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)

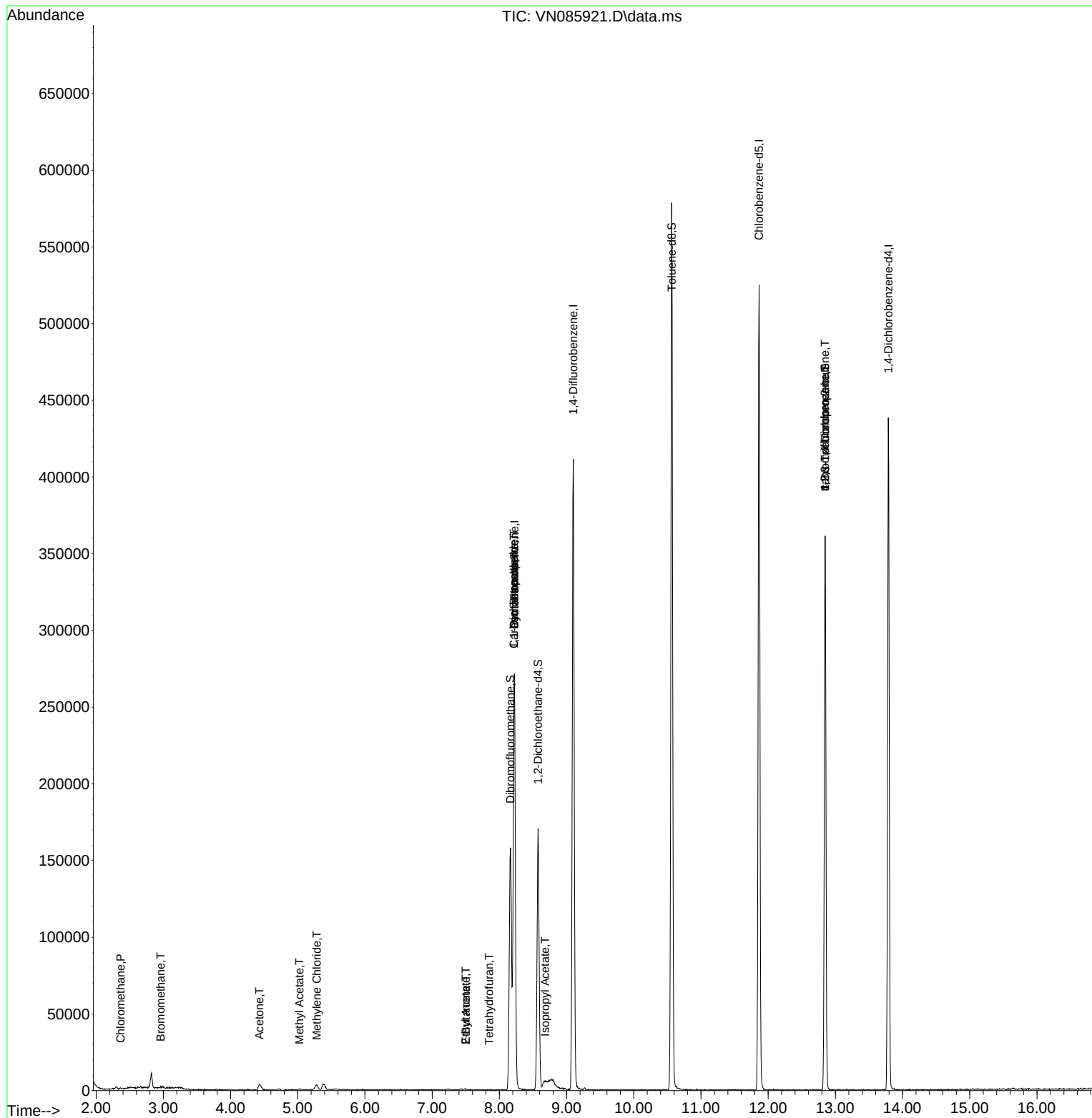
Internal Standards						
1) Pentafluorobenzene	8.224	168	193780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	353088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134422	53.506	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.020%	
35) Dibromofluoromethane	8.165	113	116906	50.599	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.200%	
50) Toluene-d8	10.565	98	401211	47.729	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.460%	
62) 4-Bromofluorobenzene	12.847	95	130172	47.000	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	668	0.253	ug/l #	82
5) Bromomethane	2.959	94	590	0.329	ug/l #	52
16) Acetone	4.430	43	7801	9.813	ug/l	95
18) Methyl Acetate	5.024	43	998	0.365	ug/l #	47
20) Methylene Chloride	5.283	84	2460	0.962	ug/l #	87
25) 2-Butanone	7.500	43	1085	0.928	ug/l #	45
29) Tetrahydrofuran	7.847	42	198	0.262	ug/l #	29
31) Cyclohexane	8.224	56	4468	1.245	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15743	4.815	ug/l #	50
37) Ethyl Acetate	7.500	43	1085	0.403	ug/l #	66
38) Carbon Tetrachloride	8.218	117	20403	5.251	ug/l #	17
43) Isopropyl Acetate	8.682	43	5008	0.520	ug/l #	53
76) 1,2,3-Trichloropropane	12.847	75	64633	23.572	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64633	68.777	ug/l #	13

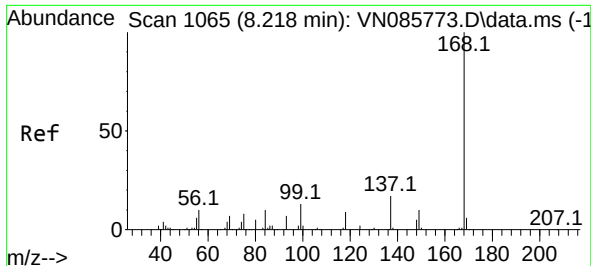
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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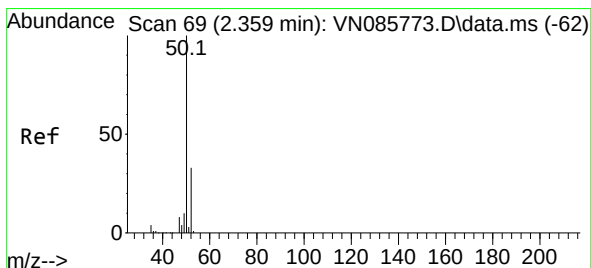
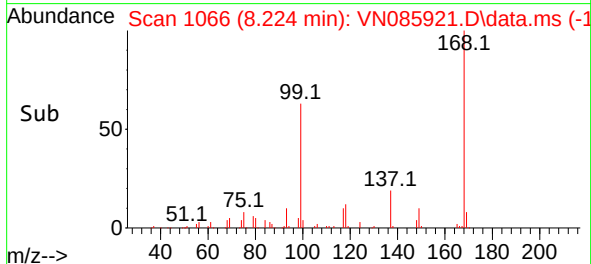
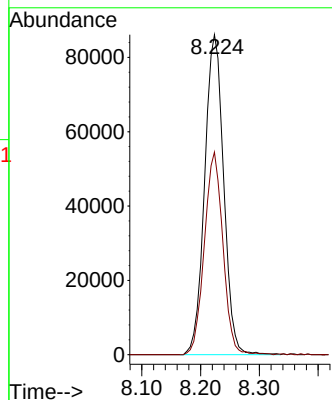
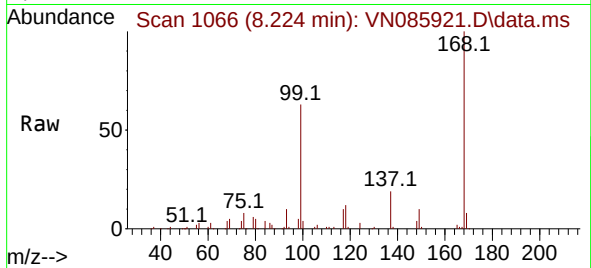




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

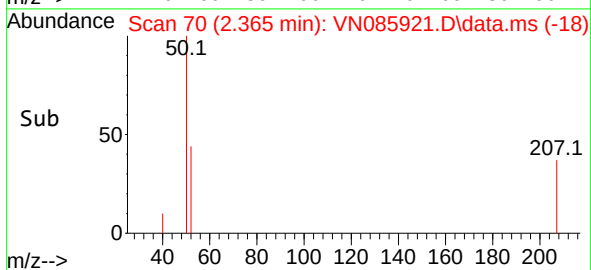
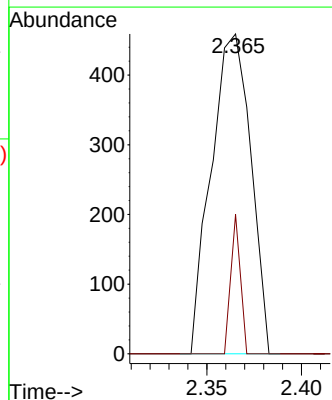
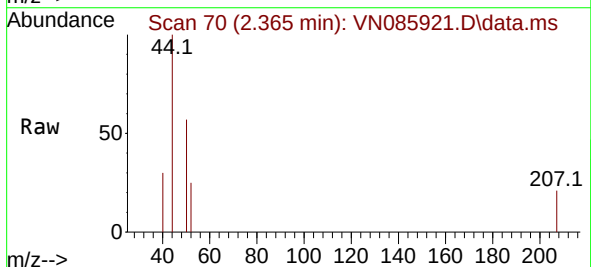
Instrument :
MSVOA_N
ClientSampleId :

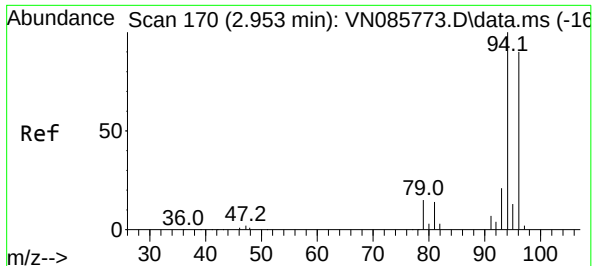
Tgt Ion:168 Resp: 193780
Ion Ratio Lower Upper
168 100
99 63.3 47.9 71.9



#3
Chloromethane
Concen: 0.253 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

Tgt Ion: 50 Resp: 668
Ion Ratio Lower Upper
50 100
52 43.6 26.7 40.1#

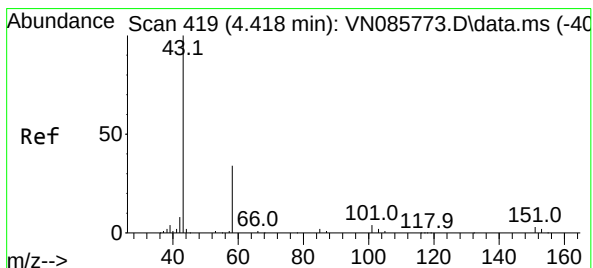
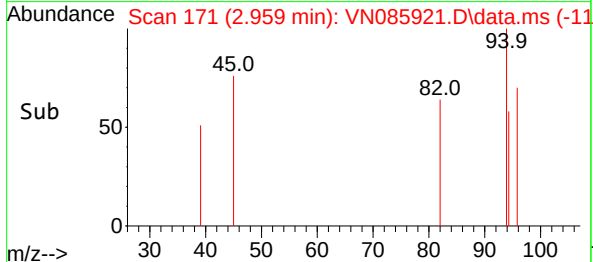
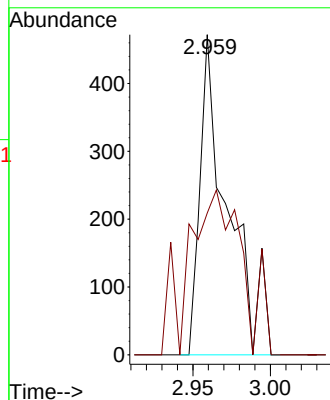
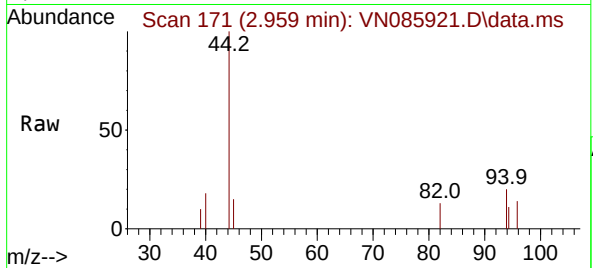




#5
Bromomethane
Concen: 0.329 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

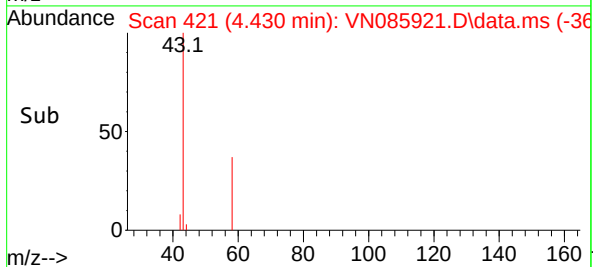
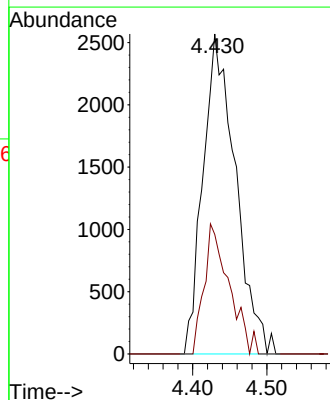
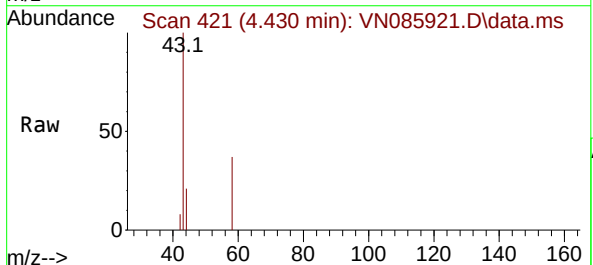
Instrument :
MSVOA_N
ClientSampleId :

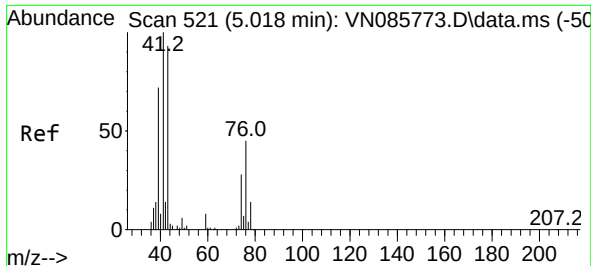
Tgt Ion: 94 Resp: 590
Ion Ratio Lower Upper
94 100
96 44.3 71.7 107.5#



#16
Acetone
Concen: 9.813 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

Tgt Ion: 43 Resp: 7801
Ion Ratio Lower Upper
43 100
58 37.4 27.5 41.3





#18

Methyl Acetate

Concen: 0.365 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.006 min

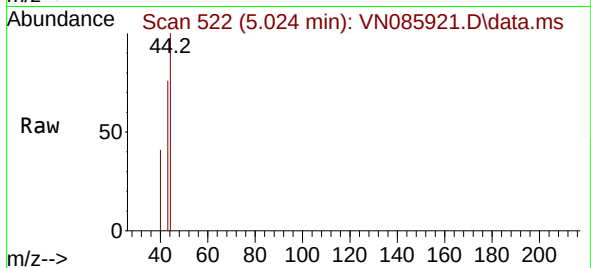
Lab File: VN085921.D

Acq: 10 Mar 2025 17:59

Instrument :

MSVOA_N

ClientSampleId :

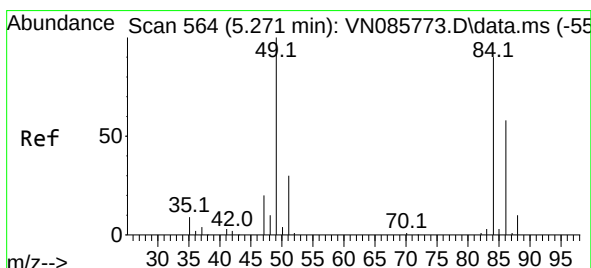
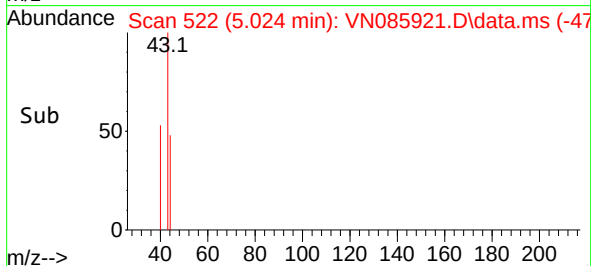
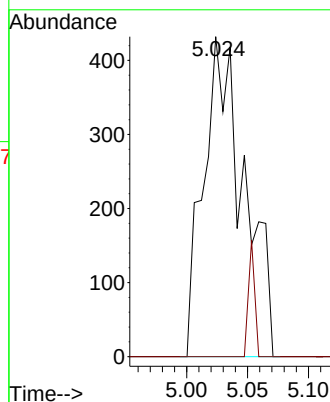


Tgt Ion: 43 Resp: 998

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.4#



#20

Methylene Chloride

Concen: 0.962 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.012 min

Lab File: VN085921.D

Acq: 10 Mar 2025 17:59

Tgt Ion: 84 Resp: 2460

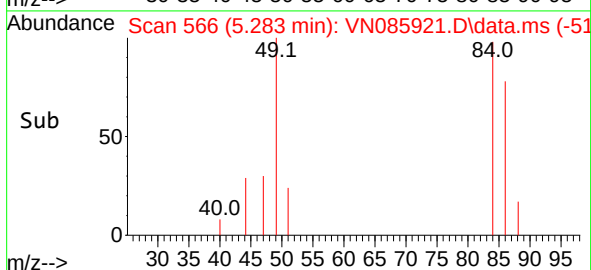
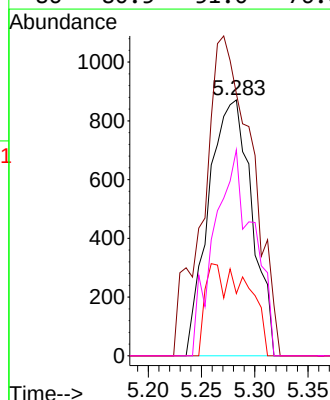
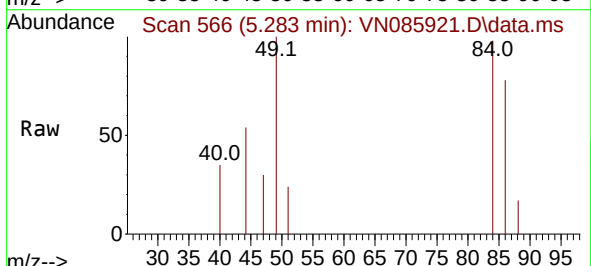
Ion Ratio Lower Upper

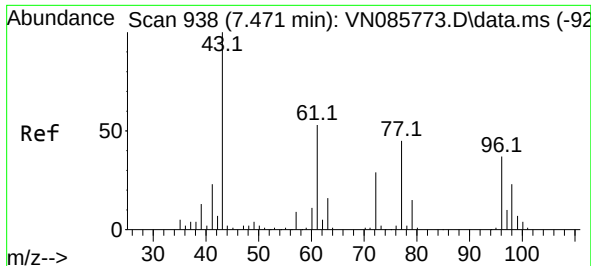
84 100

49 102.5 88.4 132.6

51 24.3 26.6 40.0#

86 80.5 51.0 76.6#

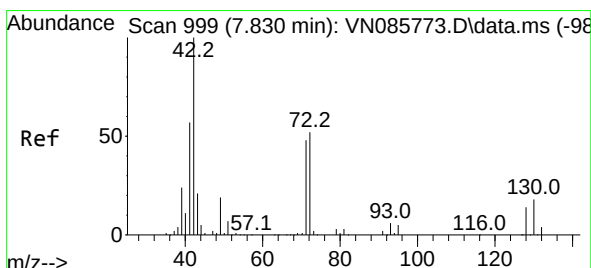
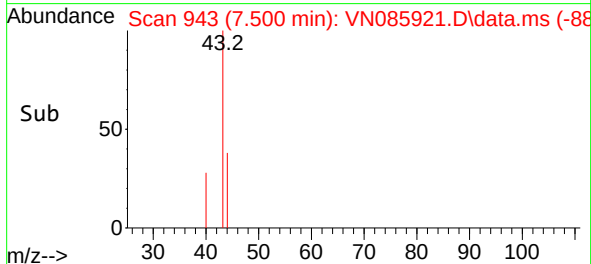
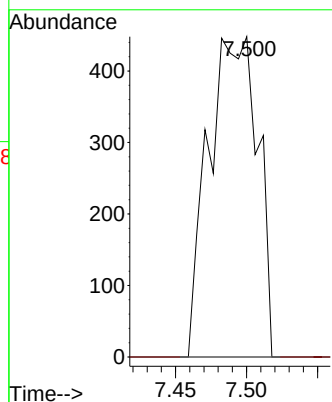
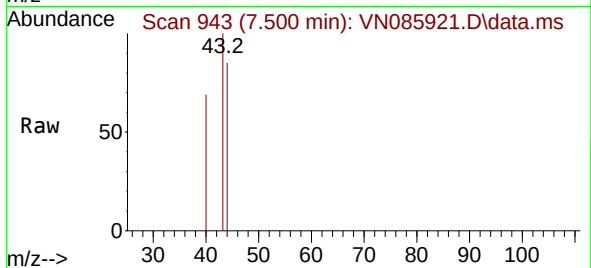




#25
2-Butanone
Concen: 0.928 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.029 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

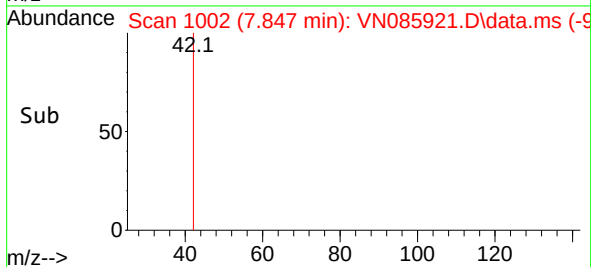
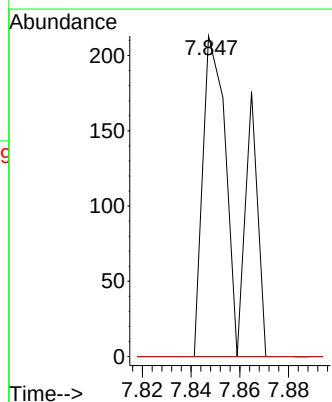
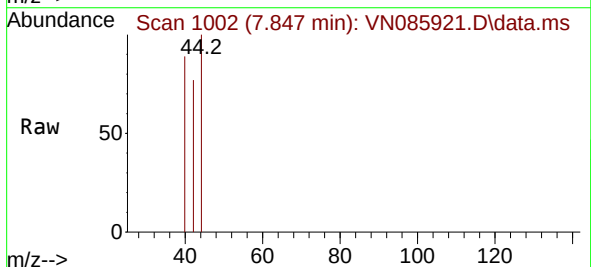
Instrument :
MSVOA_N
ClientSampleId :

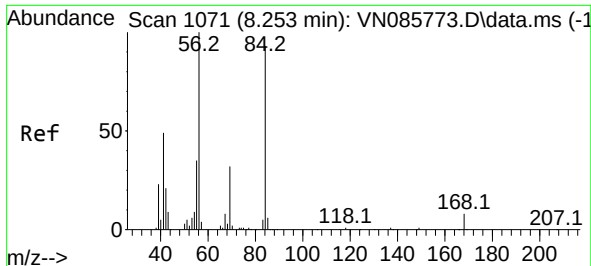
Tgt Ion: 43 Resp: 1085
Ion Ratio Lower Upper
43 100
72 0.0 23.6 35.4#



#29
Tetrahydrofuran
Concen: 0.262 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.018 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

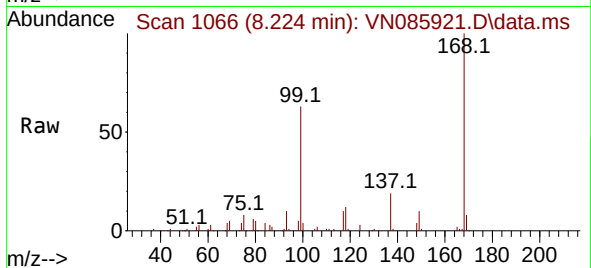
Tgt Ion: 42 Resp: 198
Ion Ratio Lower Upper
42 100
72 0.0 40.0 60.0#
71 0.0 37.0 55.4#



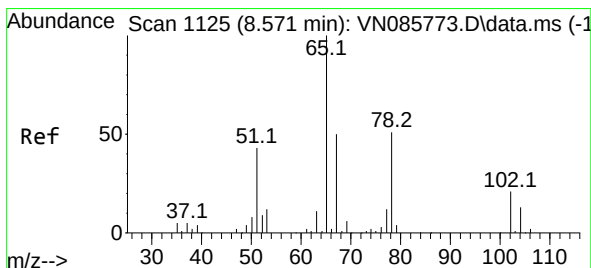
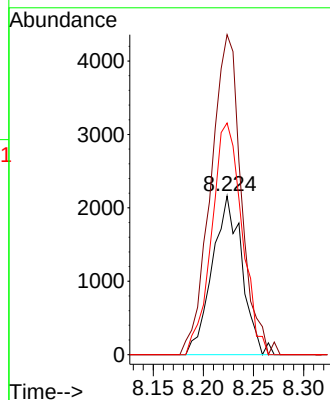
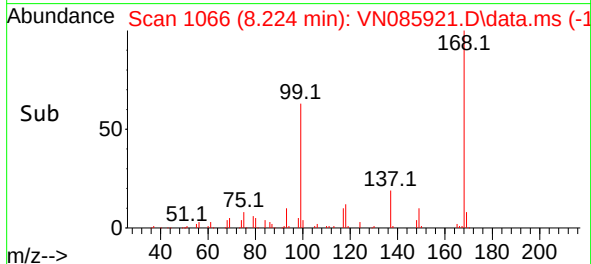


#31
Cyclohexane
Concen: 1.245 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

Instrument :
MSVOA_N
ClientSampleId :

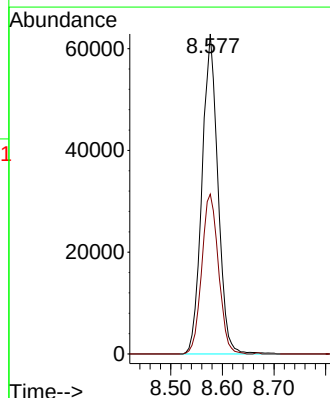
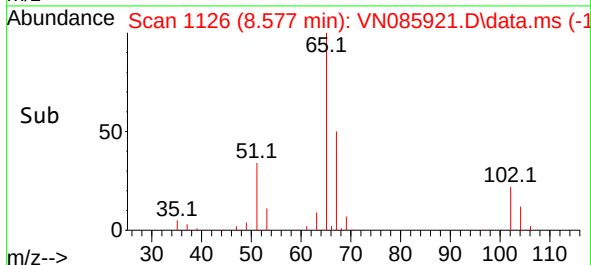
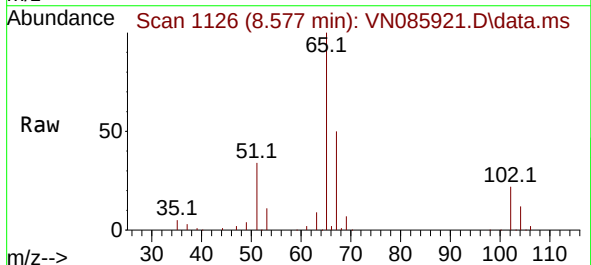


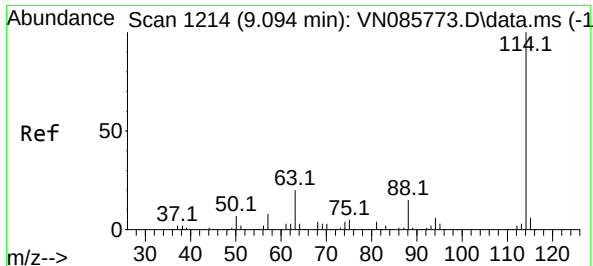
Tgt Ion: 56 Resp: 4468
Ion Ratio Lower Upper
56 100
69 201.6 25.8 38.6#
84 145.9 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 53.506 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

Tgt Ion: 65 Resp: 134422
Ion Ratio Lower Upper
65 100
67 52.5 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: VN085921.D

Acq: 10 Mar 2025 17:59

Instrument :

MSVOA_N

ClientSampleId :

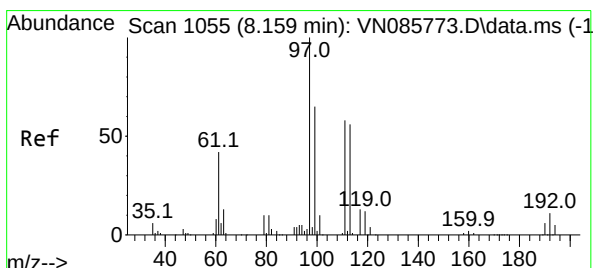
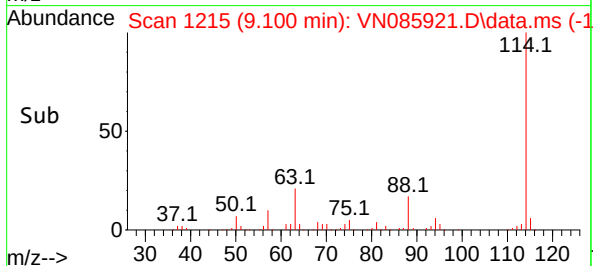
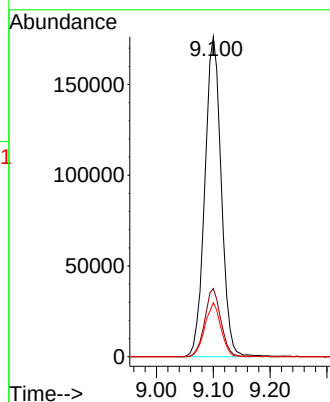
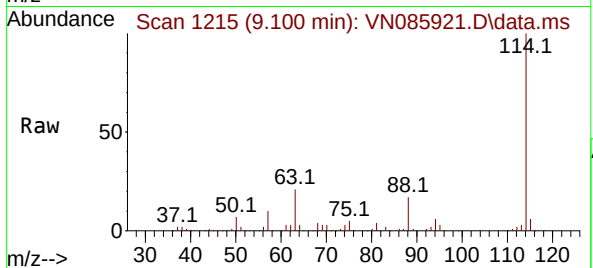
Tgt Ion:114 Resp: 353088

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.2

88 16.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 50.599 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085921.D

Acq: 10 Mar 2025 17:59

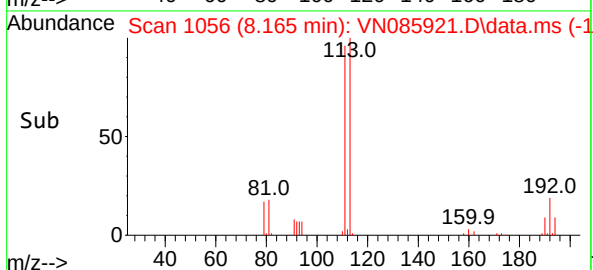
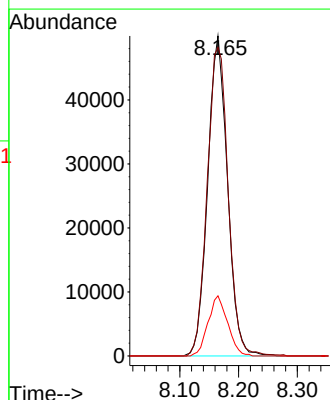
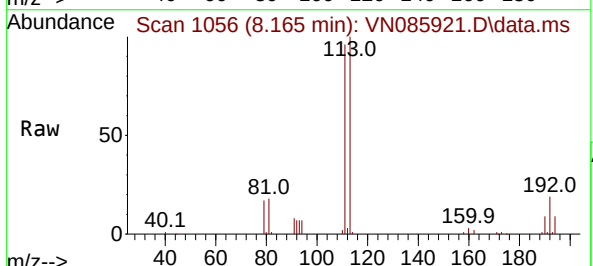
Tgt Ion:113 Resp: 116906

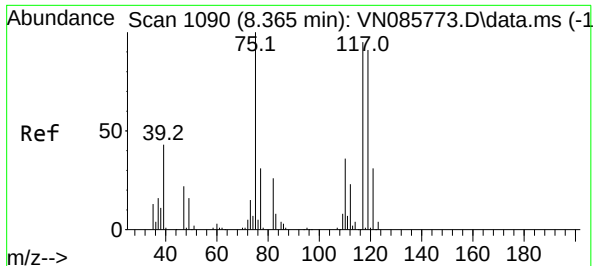
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 18.6 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.815 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085921.D

Acq: 10 Mar 2025 17:59

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MSVOA_N

ClientSampleId :

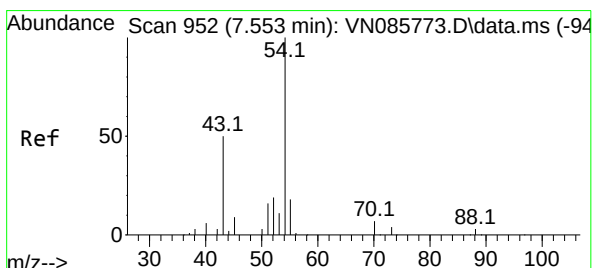
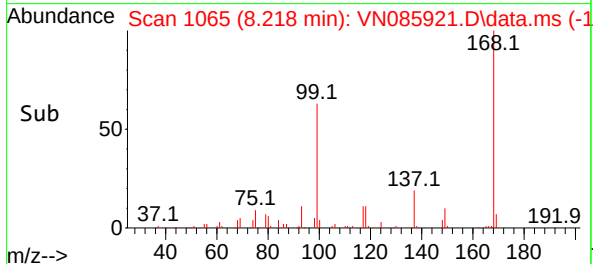
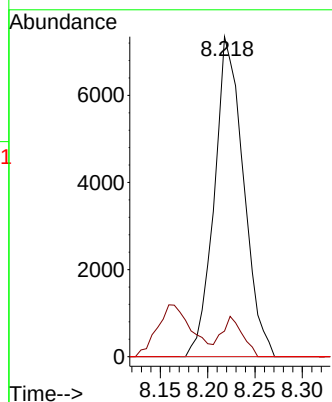
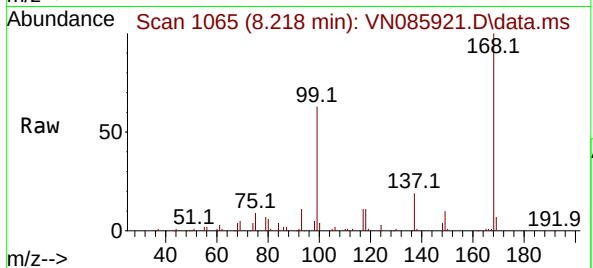
Tgt Ion: 75 Resp: 15743

Ion Ratio Lower Upper

75 100

110 8.8 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.403 ug/l

RT: 7.500 min Scan# 943

Delta R.T. -0.053 min

Lab File: VN085921.D

Acq: 10 Mar 2025 17:59

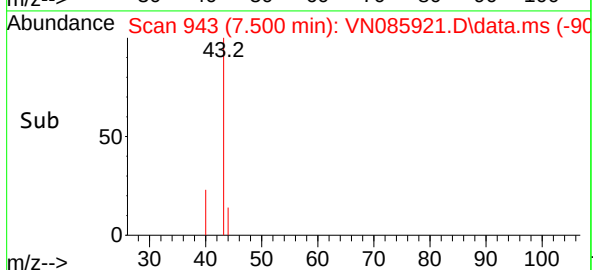
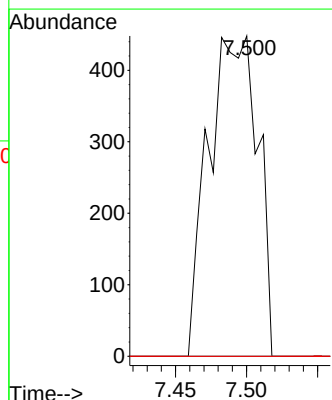
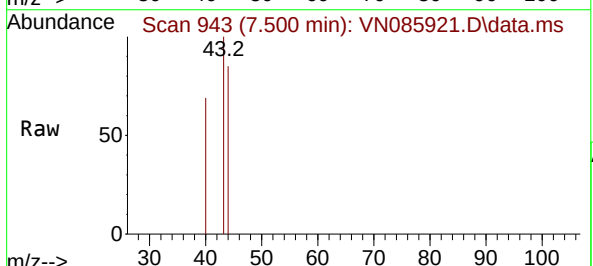
Tgt Ion: 43 Resp: 1085

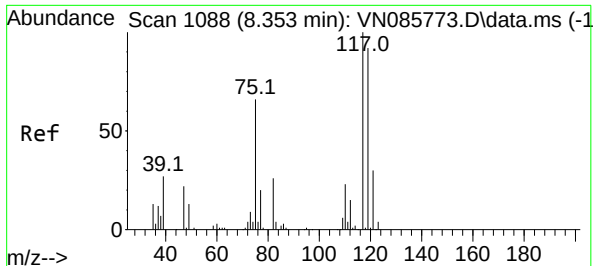
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

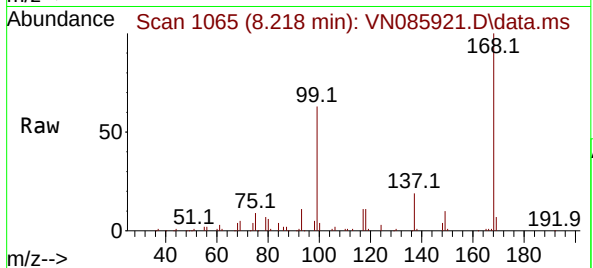
70 0.0 9.5 14.3#



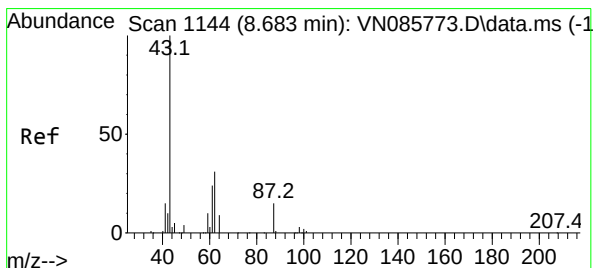
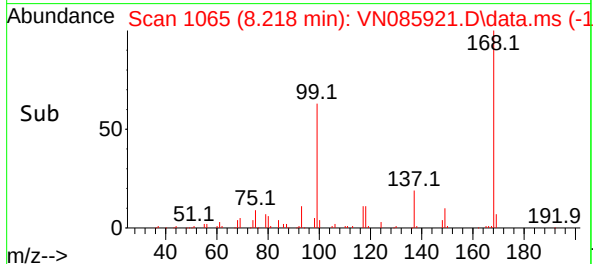
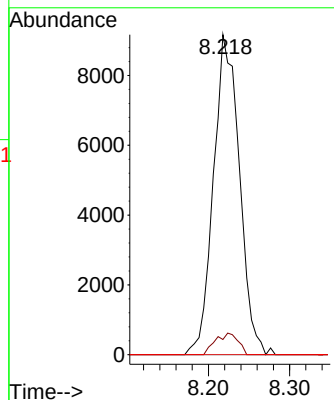


#38
Carbon Tetrachloride
Concen: 5.251 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

Instrument :
MSVOA_N
ClientSampleId :

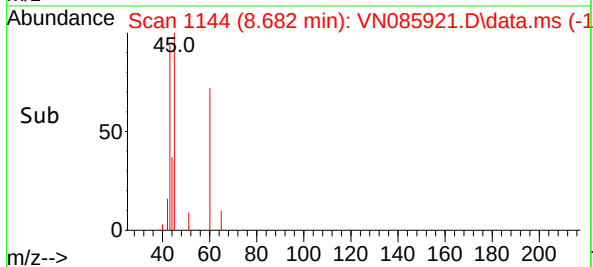
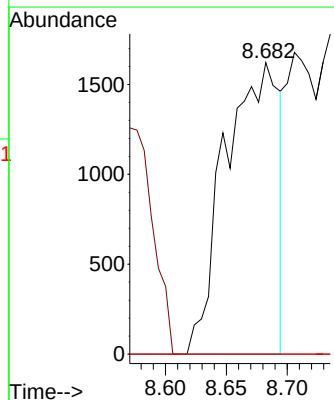
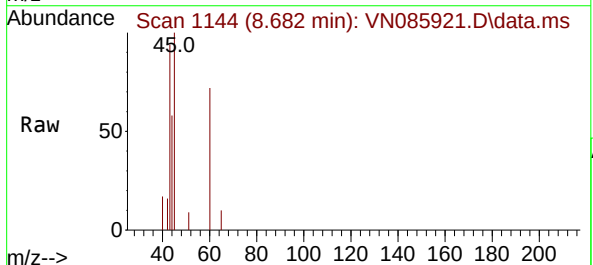


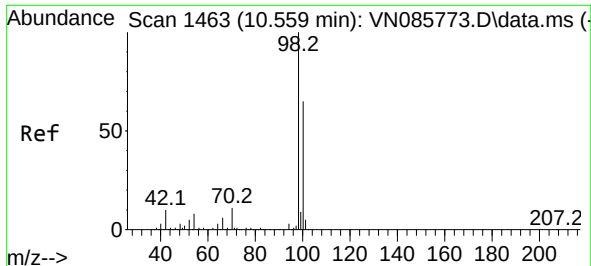
Tgt Ion:117 Resp: 20403
Ion Ratio Lower Upper
117 100
119 4.8 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 0.520 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

Tgt Ion: 43 Resp: 5008
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#

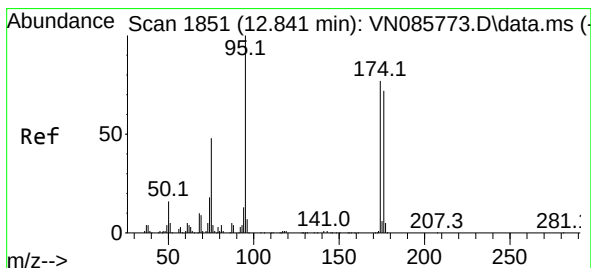
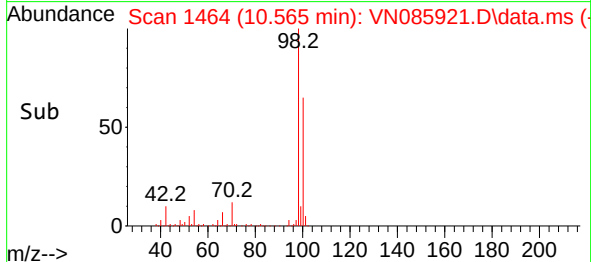
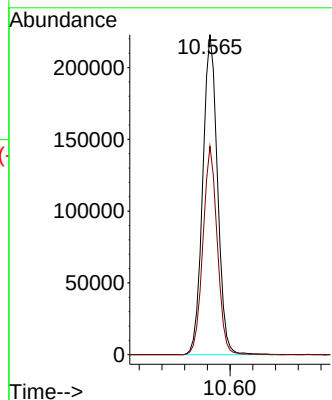
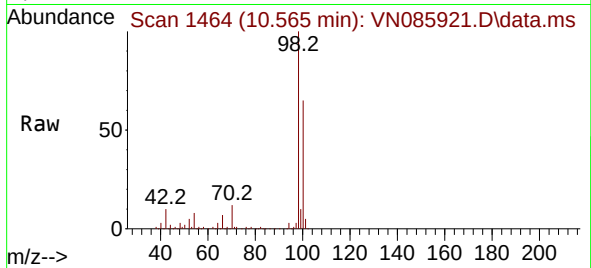




#50
Toluene-d8
Concen: 47.729 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

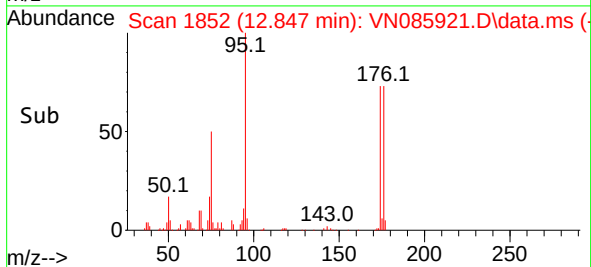
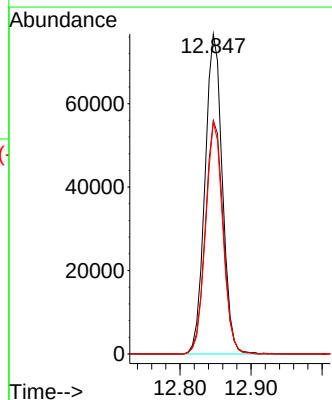
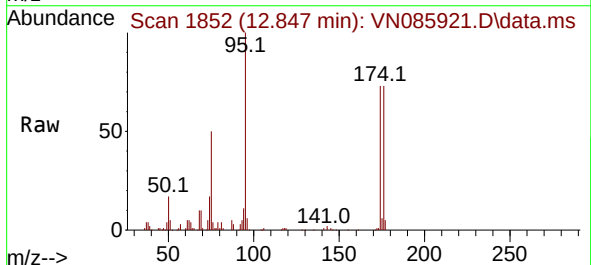
Instrument :
MSVOA_N
ClientSampleId :

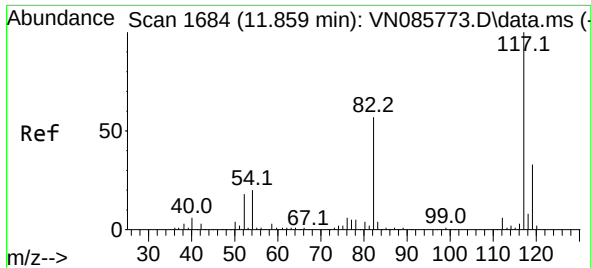
Tgt Ion: 98 Resp: 401211
Ion Ratio Lower Upper
98 100
100 63.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.000 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

Tgt Ion: 95 Resp: 130172
Ion Ratio Lower Upper
95 100
174 75.1 0.0 152.4
176 71.9 0.0 146.6

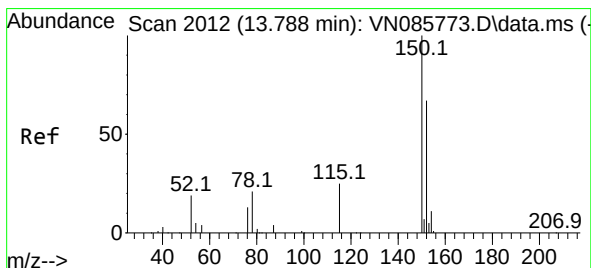
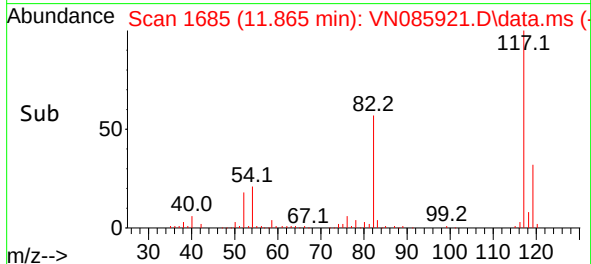
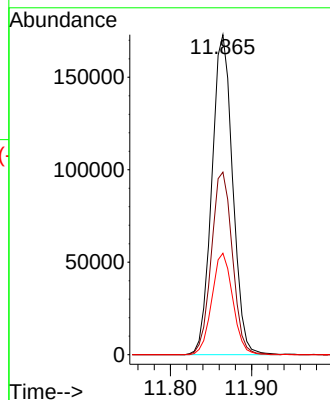
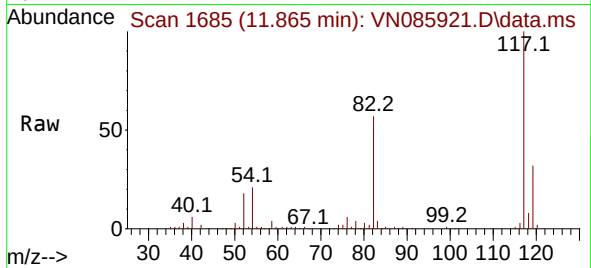




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

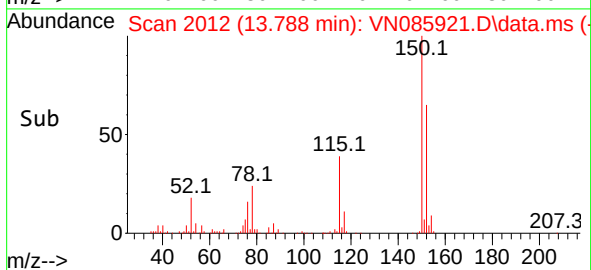
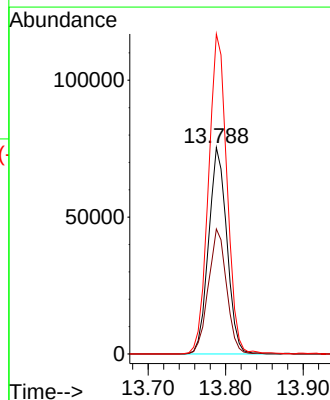
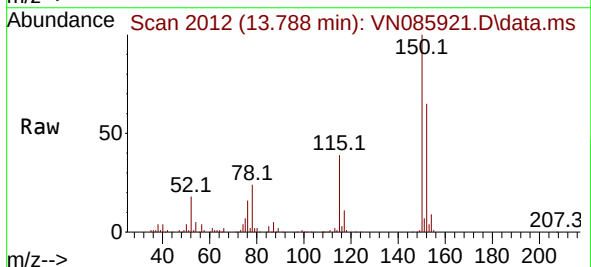
Instrument :
MSVOA_N
ClientSampleId :

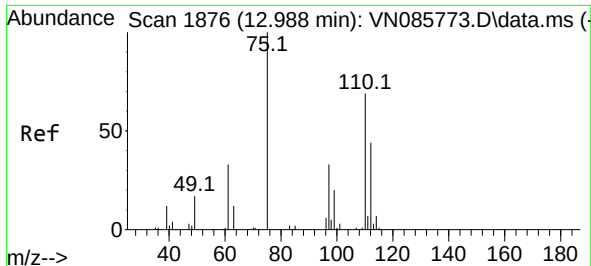
Tgt Ion:117 Resp: 308684
Ion Ratio Lower Upper
117 100
82 57.0 45.7 68.5
119 31.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

Tgt Ion:152 Resp: 123437
Ion Ratio Lower Upper
152 100
115 60.4 30.4 91.3
150 157.1 0.0 345.4

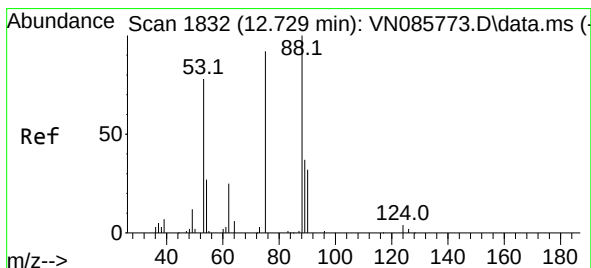
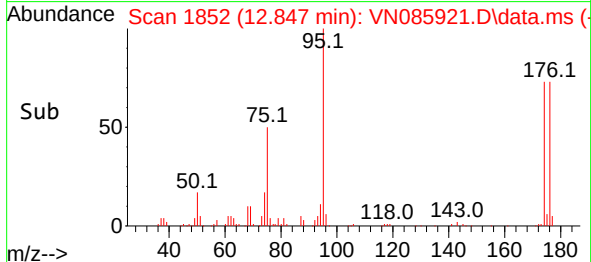
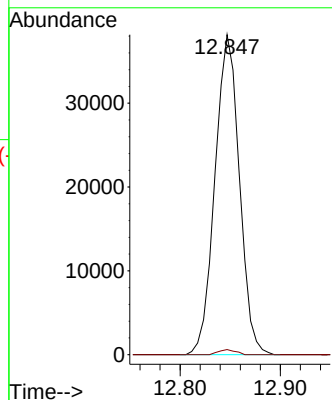
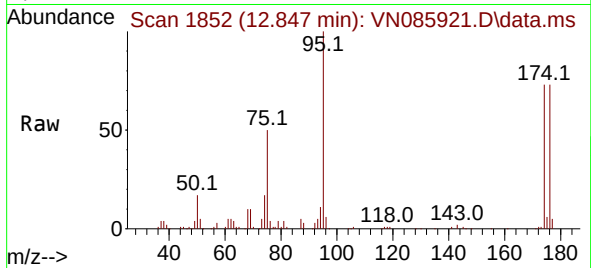




#76
1,2,3-Trichloropropane
Concen: 23.572 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 64633
Ion Ratio Lower Upper
75 100
77 1.1 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.777 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085921.D
Acq: 10 Mar 2025 17:59

Tgt Ion: 75 Resp: 64633
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#

