

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
 Data File : VN085541.D
 Acq On : 28 Jan 2025 16:13
 Operator : JC\MD
 Sample : PB166233ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 29 00:40:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

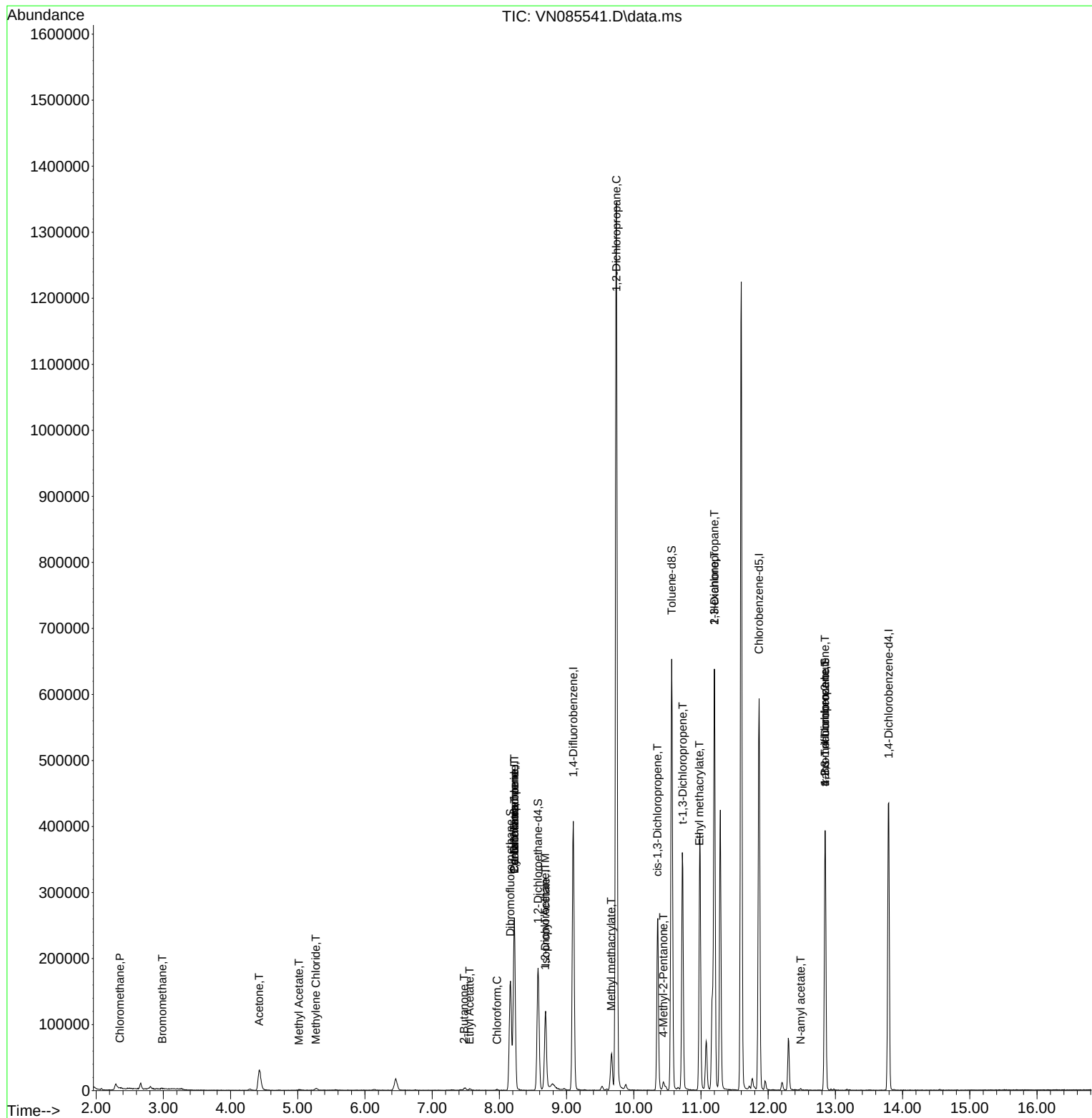
Internal Standards						
1) Pentafluorobenzene	8.224	168	172653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	321903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	312442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154566	55.460	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.920%	
35) Dibromofluoromethane	8.165	113	116881	52.338	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.680%	
50) Toluene-d8	10.565	98	429295	54.104	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.200%	
62) 4-Bromofluorobenzene	12.847	95	128336	47.283	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	726	0.287	ug/l	94
5) Bromomethane	2.983	94	480	0.312	ug/l	98
16) Acetone	4.424	43	59915	66.536	ug/l	96
18) Methyl Acetate	5.018	43	1846	0.674	ug/l #	63
20) Methylene Chloride	5.271	84	2020	0.906	ug/l #	65
25) 2-Butanone	7.477	43	6148	4.639	ug/l #	81
30) Chloroform	7.965	83	1250	0.297	ug/l #	80
31) Cyclohexane	8.224	56	4915	1.390	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	16444	5.247	ug/l #	51
37) Ethyl Acetate	7.559	43	3361	1.062	ug/l #	83
38) Carbon Tetrachloride	8.224	117	18779	5.234	ug/l #	19
42) 1,2-Dichloroethane	8.683	62	941	0.265	ug/l #	76
43) Isopropyl Acetate	8.688	43	132541	26.146	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	1561	0.649	ug/l #	43
48) Methyl methacrylate	9.665	41	3996	1.752	ug/l #	44
51) 4-Methyl-2-Pentanone	10.441	43	11866	4.034	ug/l #	81
53) t-1,3-Dichloropropene	10.729	75	832	0.249	ug/l #	45
54) cis-1,3-Dichloropropene	10.353	75	41452	11.613	ug/l #	73
56) Ethyl methacrylate	10.977	69	2143	2.497	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6454	1.719	ug/l #	43
59) 2-Hexanone	11.200	43	76735	37.074	ug/l #	58
74) N-amyl acetate	12.482	43	1079	0.309	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	71866	30.681	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71866	83.010	ug/l #	3

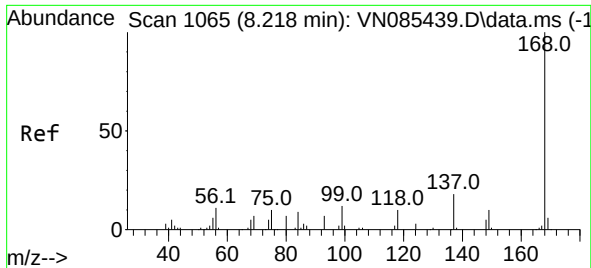
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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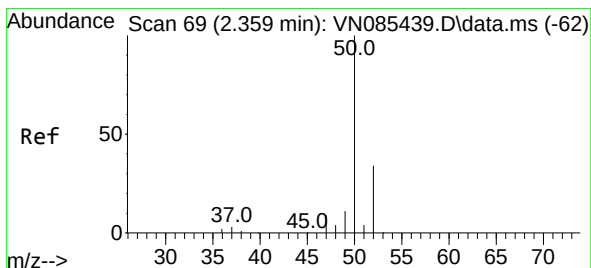
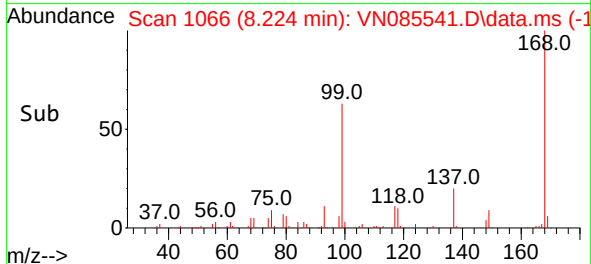
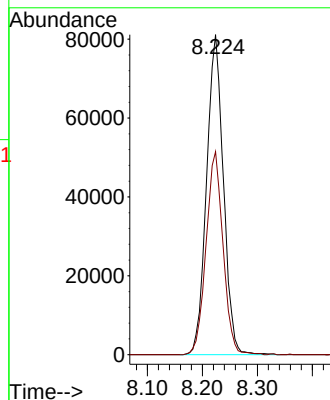
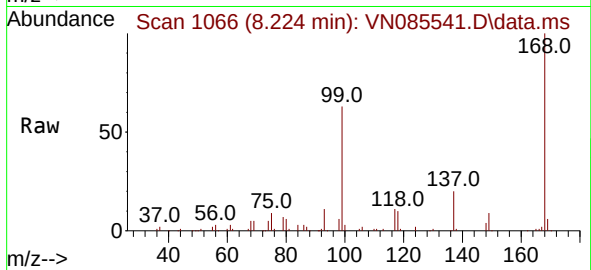




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

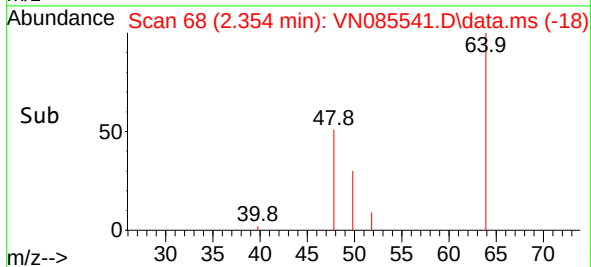
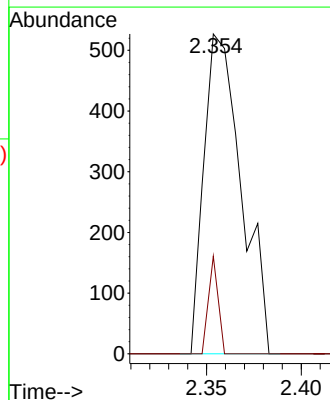
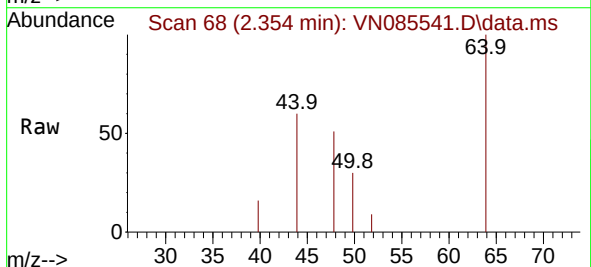
Instrument :
MSVOA_N
ClientSampleId :

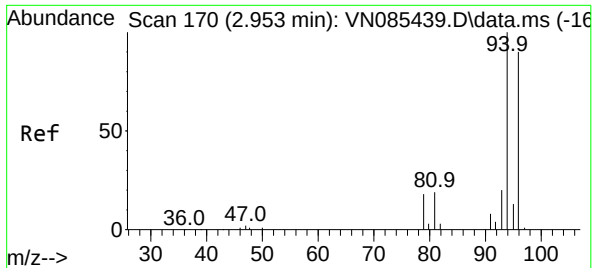
Tgt Ion:168 Resp: 172653
Ion Ratio Lower Upper
168 100
99 63.5 53.6 80.4



#3
Chloromethane
Concen: 0.287 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

Tgt Ion: 50 Resp: 726
Ion Ratio Lower Upper
50 100
52 30.6 27.0 40.6

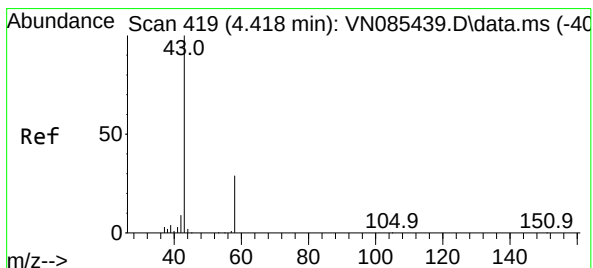
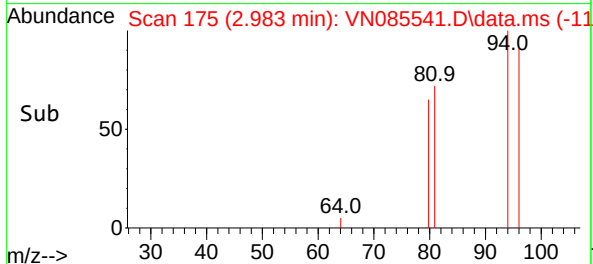
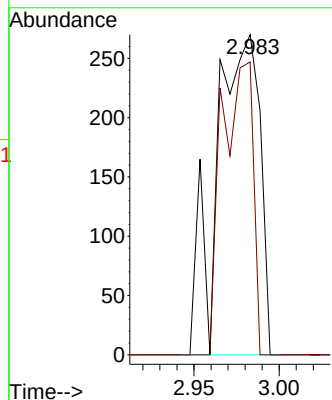
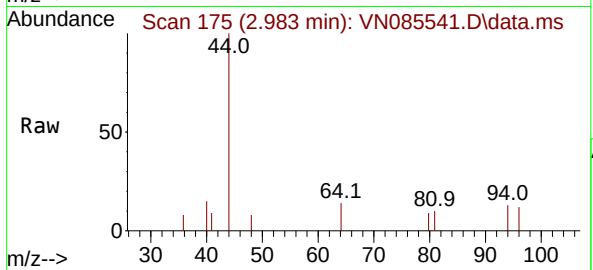




#5
Bromomethane
Concen: 0.312 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

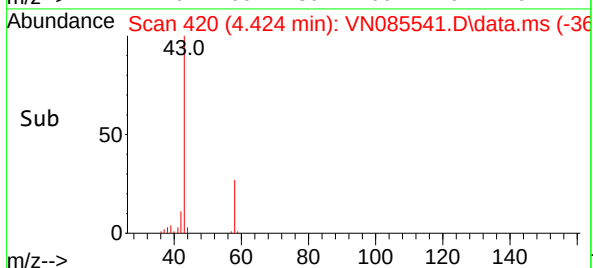
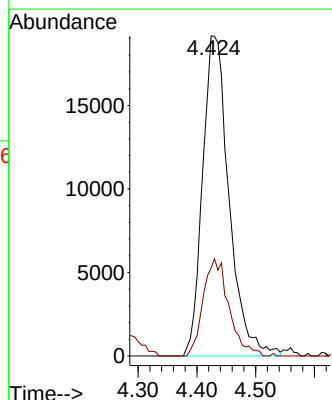
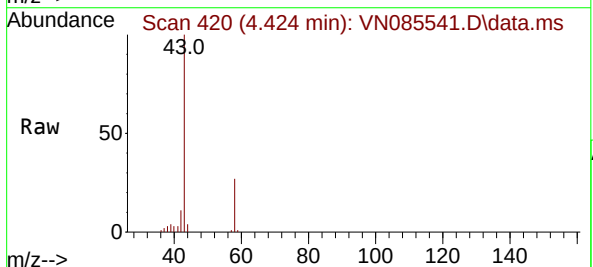
Instrument :
MSVOA_N
ClientSampleId :

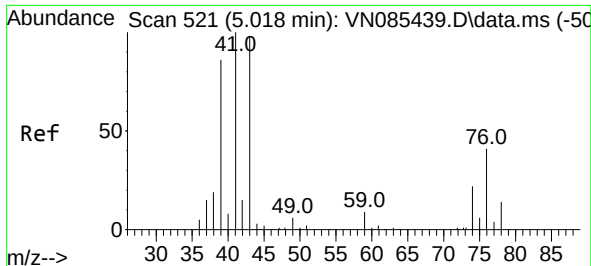
Tgt Ion: 94 Resp: 480
Ion Ratio Lower Upper
94 100
96 91.5 71.8 107.6



#16
Acetone
Concen: 66.536 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

Tgt Ion: 43 Resp: 59915
Ion Ratio Lower Upper
43 100
58 27.4 23.8 35.6

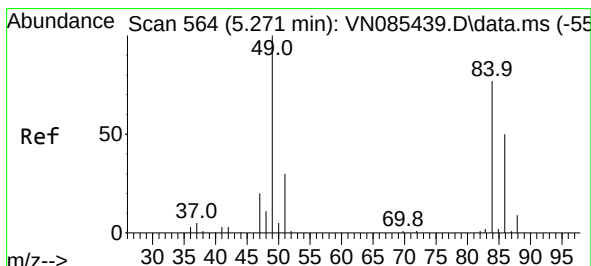
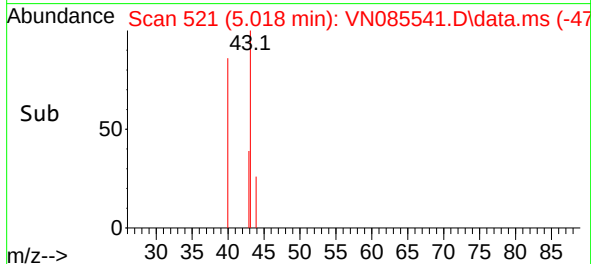
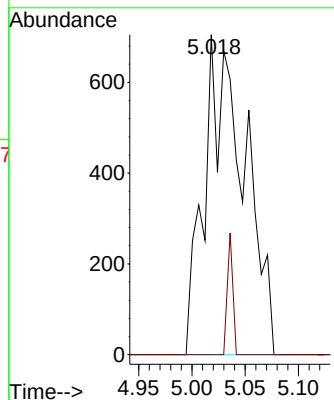
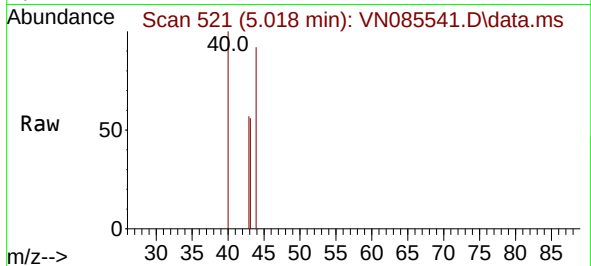




#18
Methyl Acetate
Concen: 0.674 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

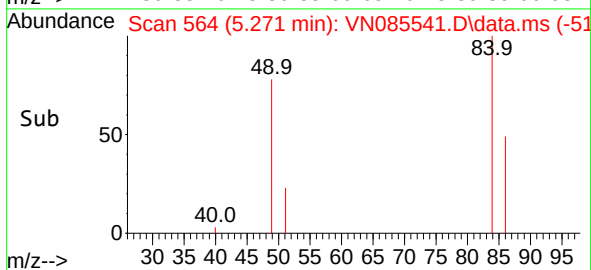
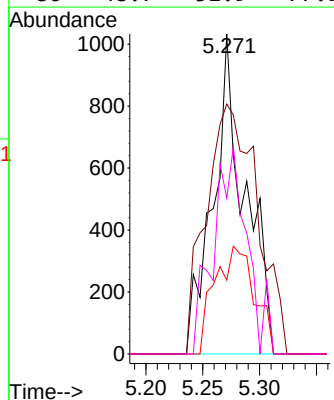
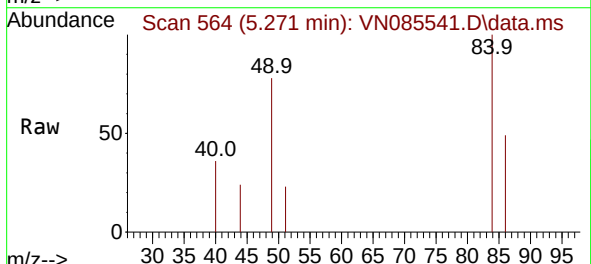
Instrument :
MSVOA_N
ClientSampleId :

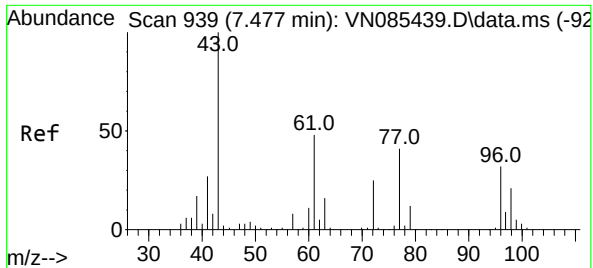
Tgt Ion: 43 Resp: 1846
Ion Ratio Lower Upper
43 100
74 5.1 18.6 28.0#



#20
Methylene Chloride
Concen: 0.906 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

Tgt Ion: 84 Resp: 2020
Ion Ratio Lower Upper
84 100
49 78.1 104.1 156.1#
51 23.0 31.0 46.4#
86 48.7 51.9 77.9#

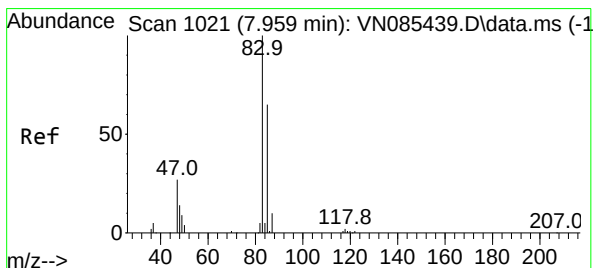
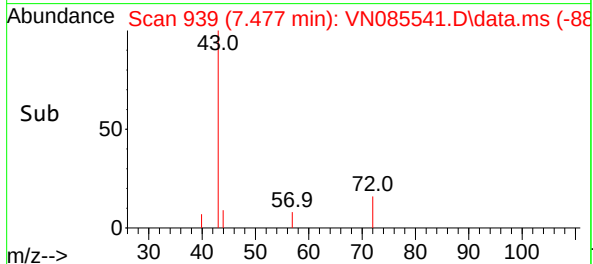
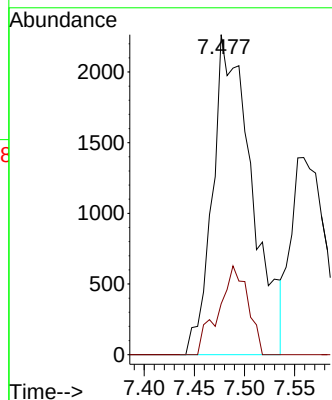
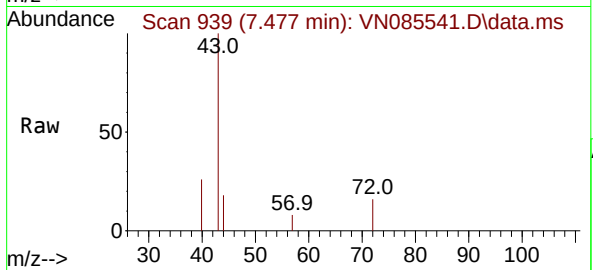




#25
2-Butanone
Concen: 4.639 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

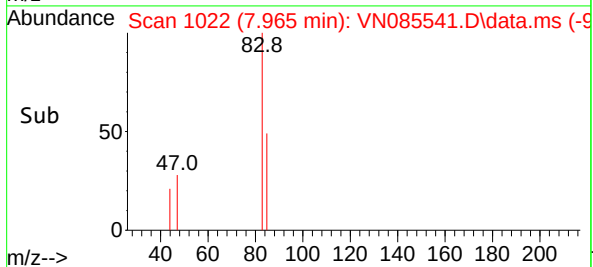
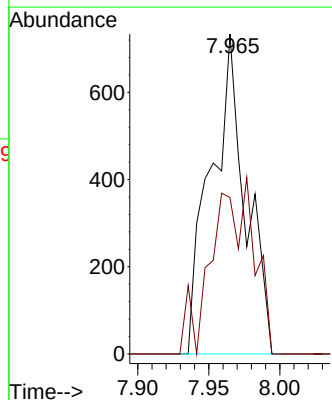
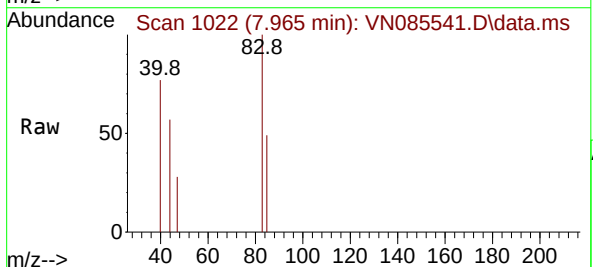
Instrument :
MSVOA_N
ClientSampleId :

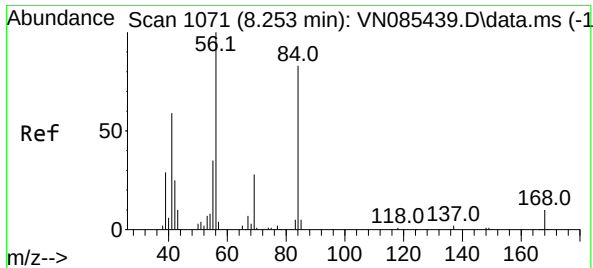
Tgt Ion: 43 Resp: 6148
Ion Ratio Lower Upper
43 100
72 15.9 20.2 30.4#



#30
Chloroform
Concen: 0.297 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

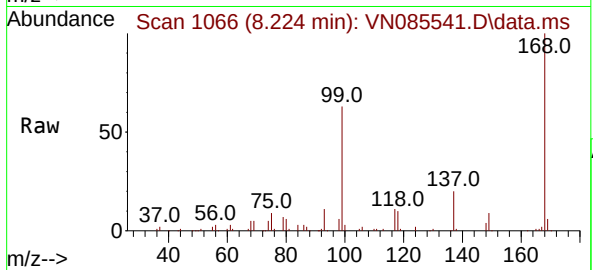
Tgt Ion: 83 Resp: 1250
Ion Ratio Lower Upper
83 100
85 48.9 51.8 77.6#



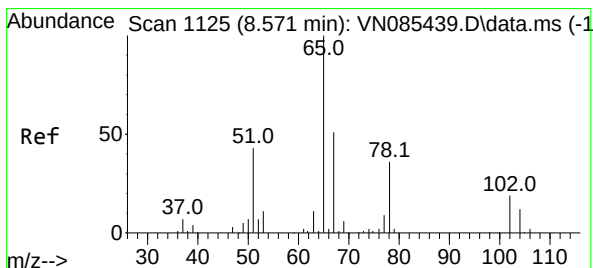
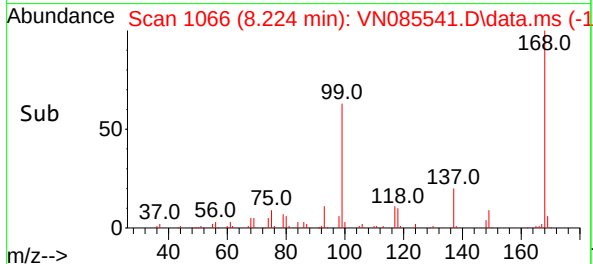
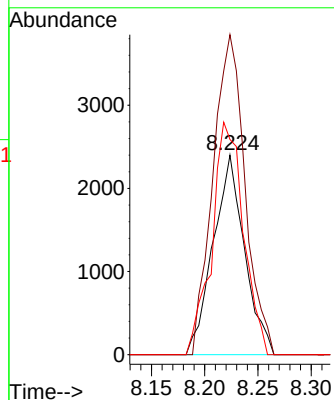


#31
Cyclohexane
Concen: 1.390 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

Instrument :
MSVOA_N
ClientSampleId :

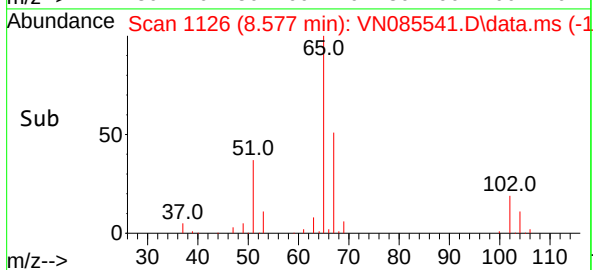
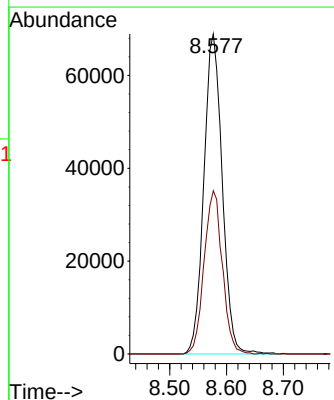
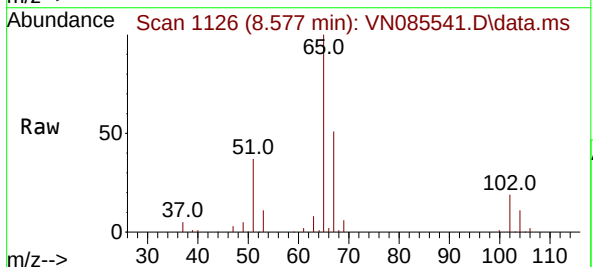


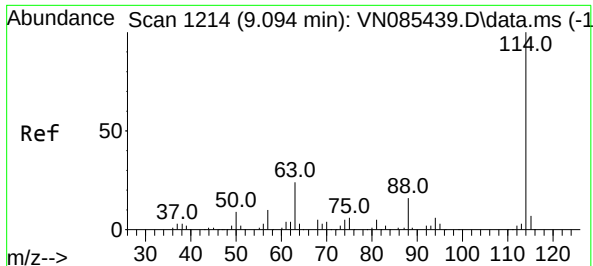
Tgt Ion: 56 Resp: 4915
Ion Ratio Lower Upper
56 100
69 160.3 22.2 33.4#
84 107.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.460 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

Tgt Ion: 65 Resp: 154566
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085541.D

Acq: 28 Jan 2025 16:13

Instrument :

MSVOA_N

ClientSampleId :

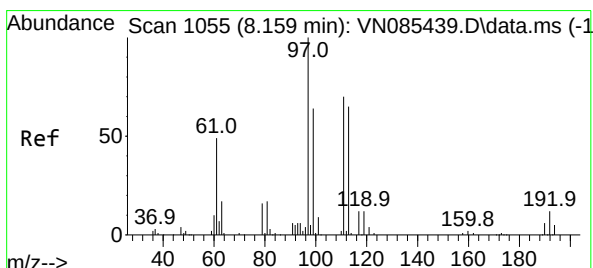
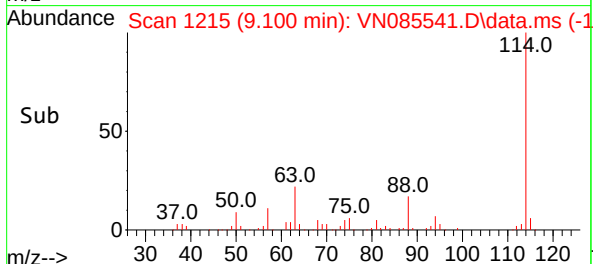
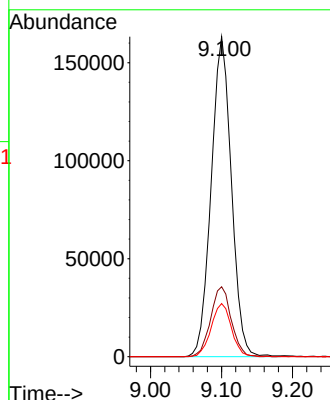
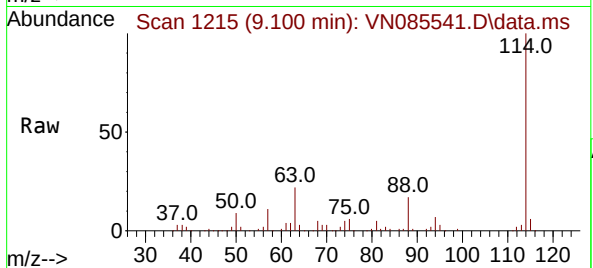
Tgt Ion:114 Resp: 321903

Ion Ratio Lower Upper

114 100

63 21.8 0.0 47.6

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.338 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085541.D

Acq: 28 Jan 2025 16:13

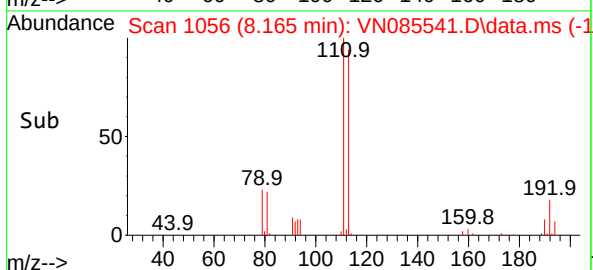
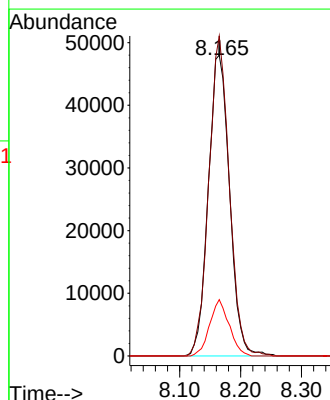
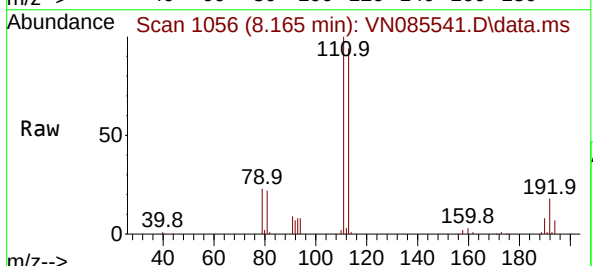
Tgt Ion:113 Resp: 116881

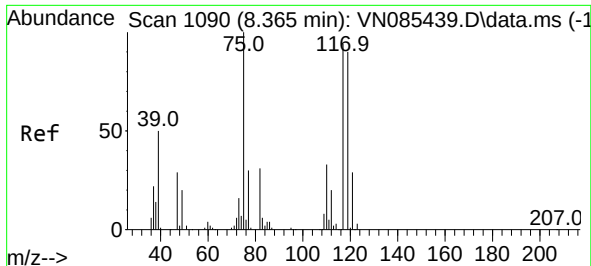
Ion Ratio Lower Upper

113 100

111 102.0 82.7 124.1

192 17.1 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.247 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

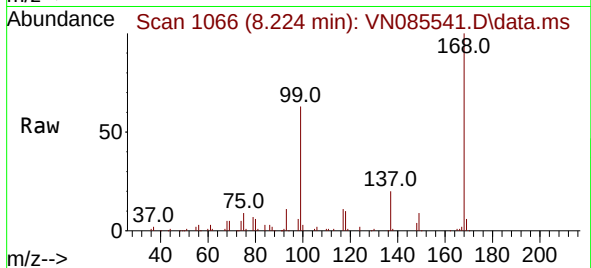
Lab File: VN085541.D

Acq: 28 Jan 2025 16:13

Instrument :

MSVOA_N

ClientSampleId :



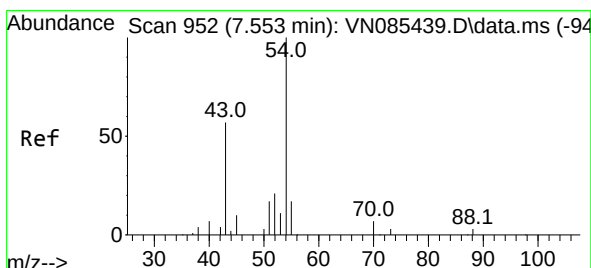
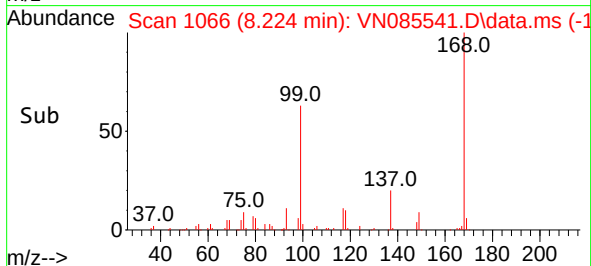
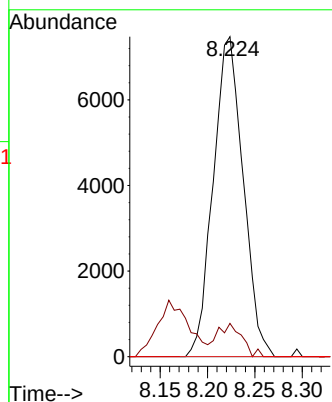
Tgt Ion: 75 Resp: 16444

Ion Ratio Lower Upper

75 100

110 8.6 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.062 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085541.D

Acq: 28 Jan 2025 16:13

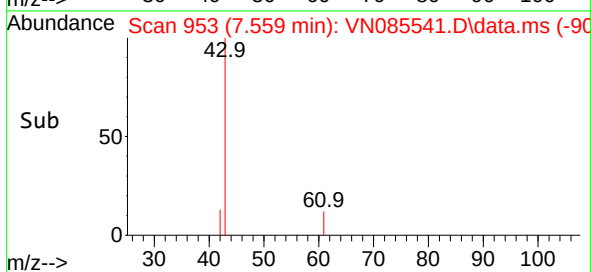
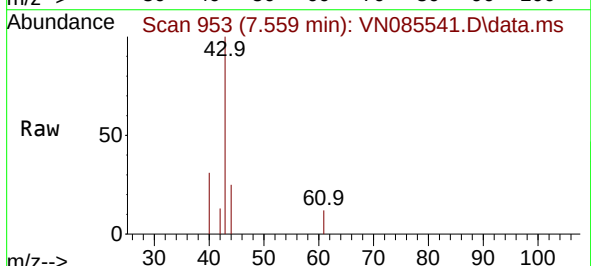
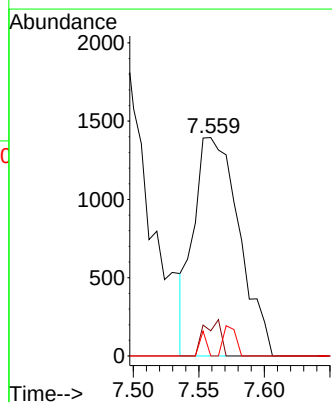
Tgt Ion: 43 Resp: 3361

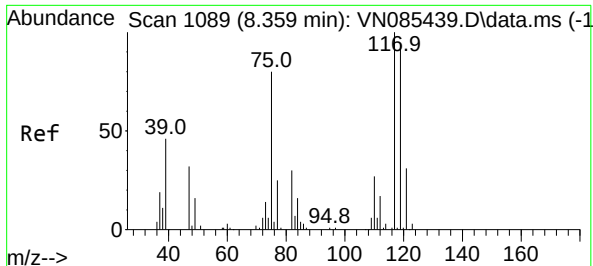
Ion Ratio Lower Upper

43 100

61 6.2 10.9 16.3#

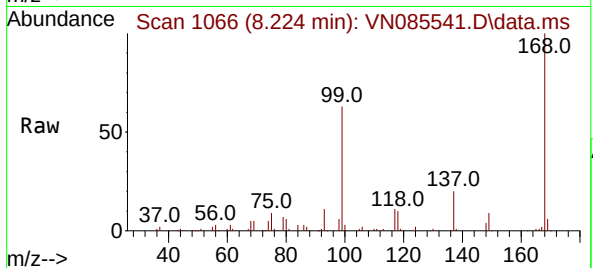
70 3.8 7.5 11.3#



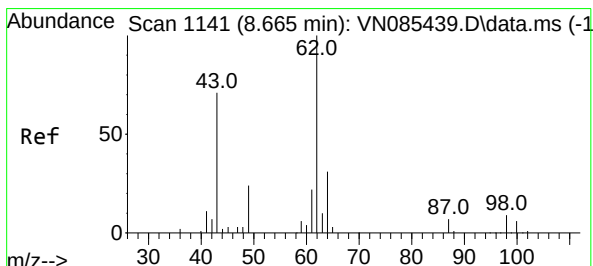
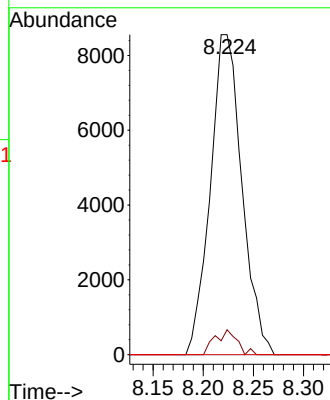
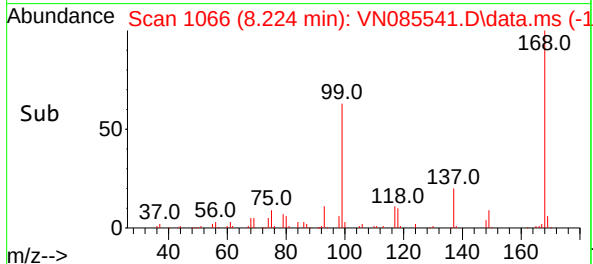


#38
Carbon Tetrachloride
Concen: 5.234 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

Instrument :
MSVOA_N
ClientSampleId :

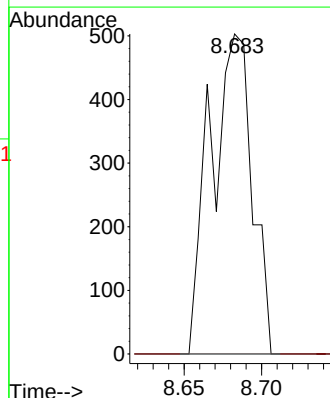
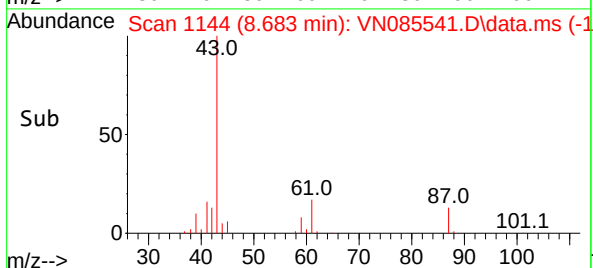
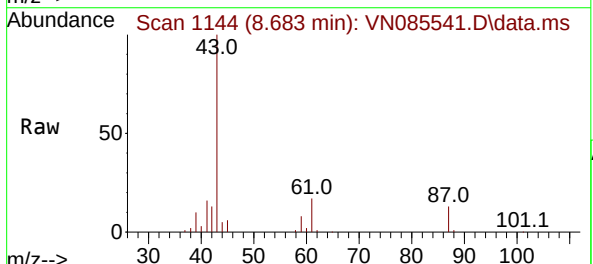


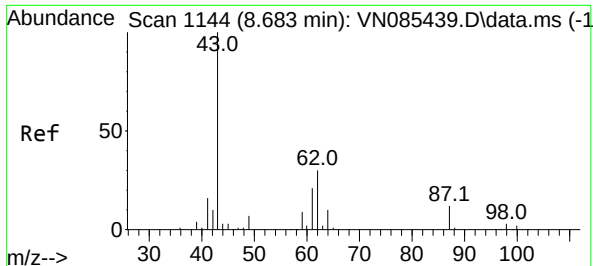
Tgt Ion:117 Resp: 18779
Ion Ratio Lower Upper
117 100
119 7.8 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.265 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.018 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

Tgt Ion: 62 Resp: 941
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

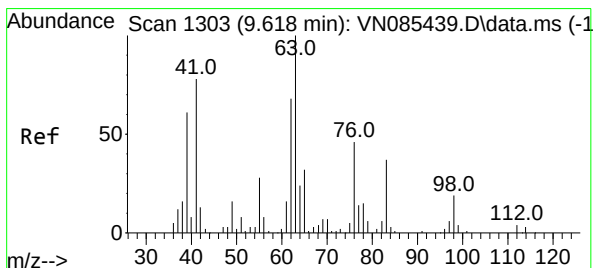
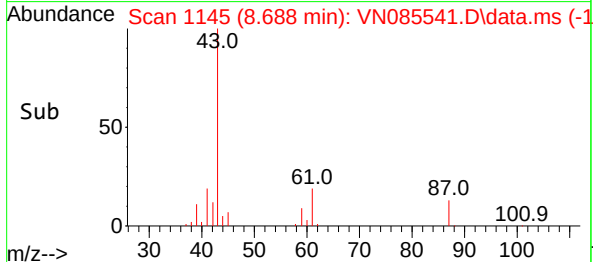
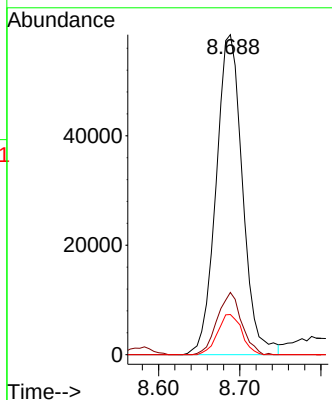
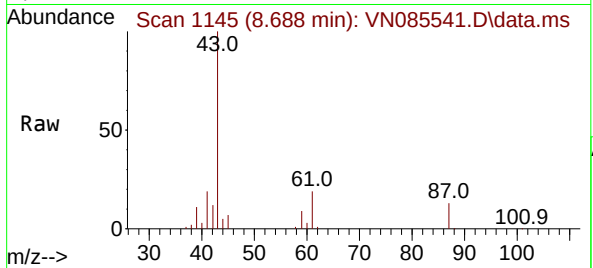




#43
Isopropyl Acetate
Concen: 26.146 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

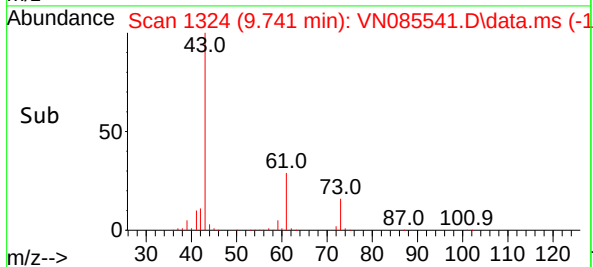
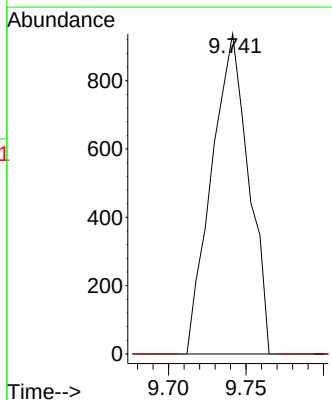
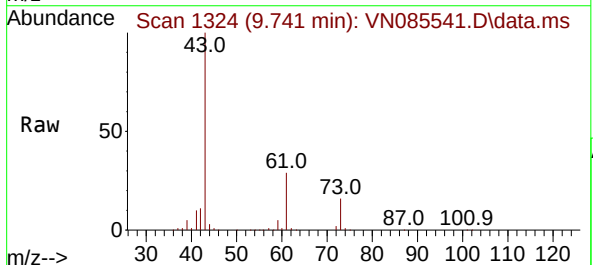
Instrument :
MSVOA_N
ClientSampleId :

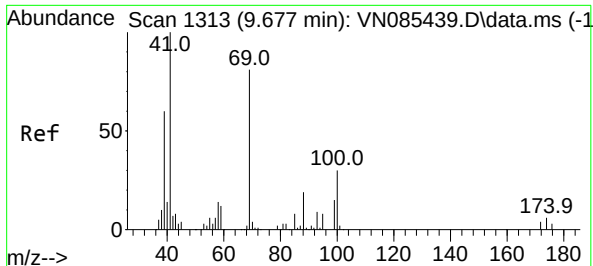
Tgt Ion: 43 Resp: 132541
Ion Ratio Lower Upper
43 100
61 17.9 20.7 31.1#
87 11.5 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.649 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

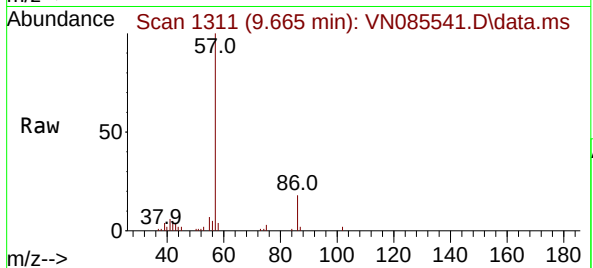
Tgt Ion: 63 Resp: 1561
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



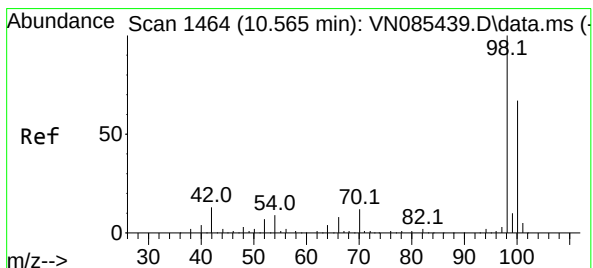
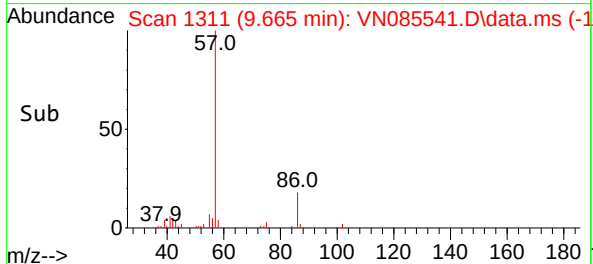
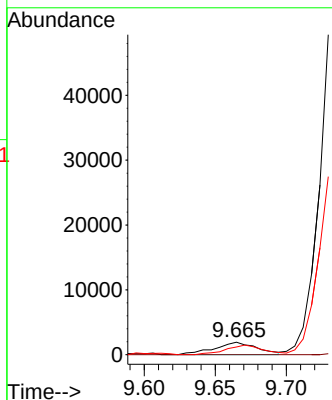


#48
Methyl methacrylate
Concen: 1.752 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

Instrument :
MSVOA_N
ClientSampleId :

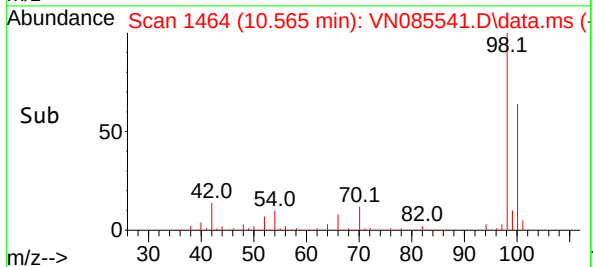
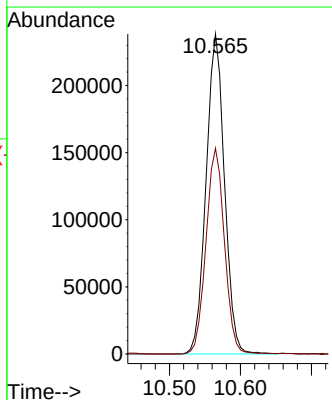
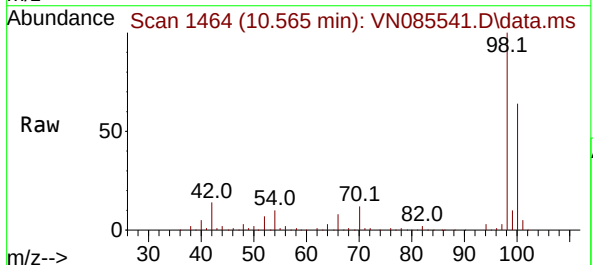


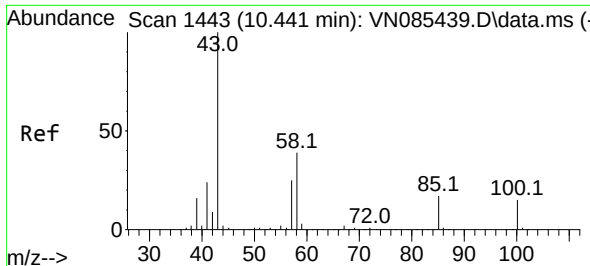
Tgt Ion: 41 Resp: 3996
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 68.0 49.0 73.6



#50
Toluene-d8
Concen: 54.104 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

Tgt Ion: 98 Resp: 429295
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4

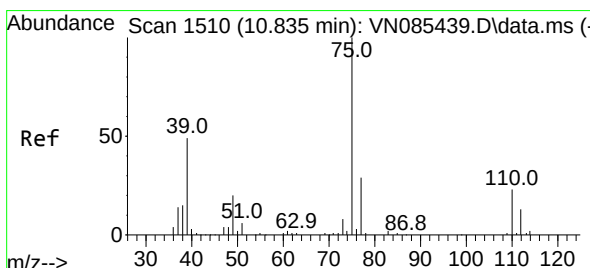
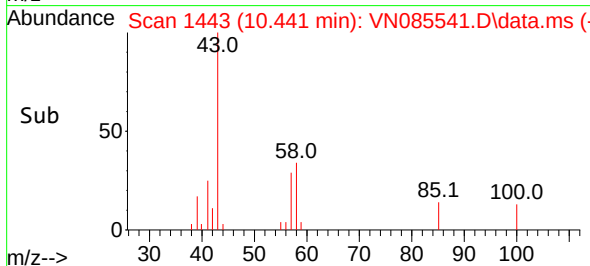
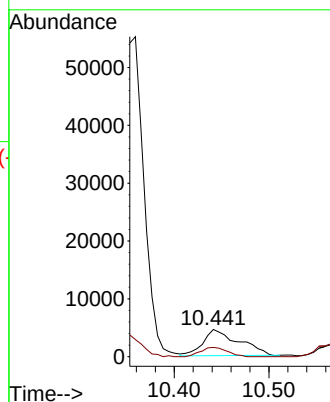
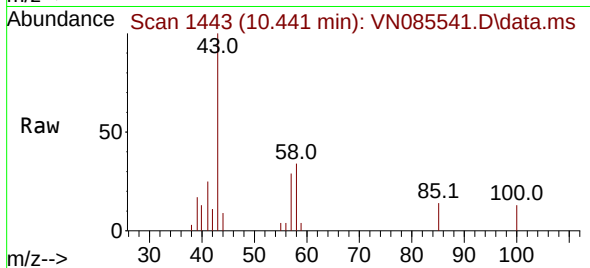




#51
4-Methyl-2-Pentanone
Concen: 4.034 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

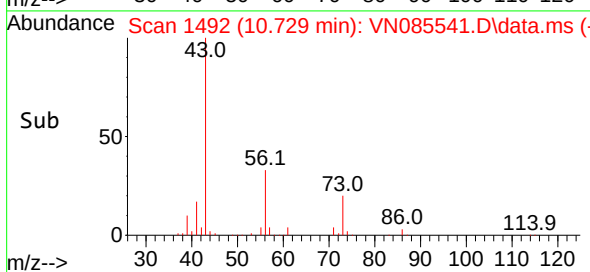
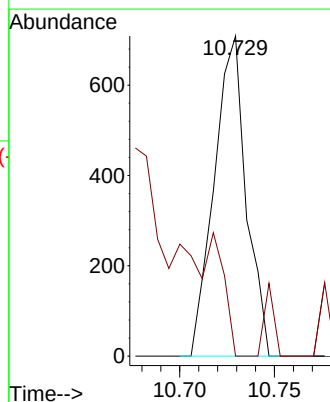
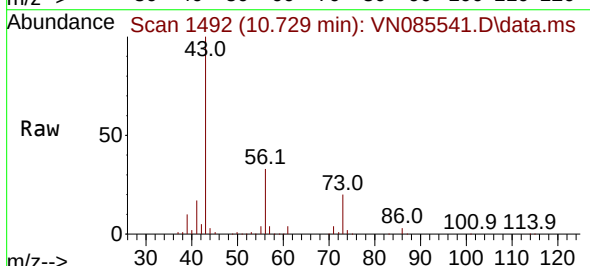
Instrument :
MSVOA_N
ClientSampleId :

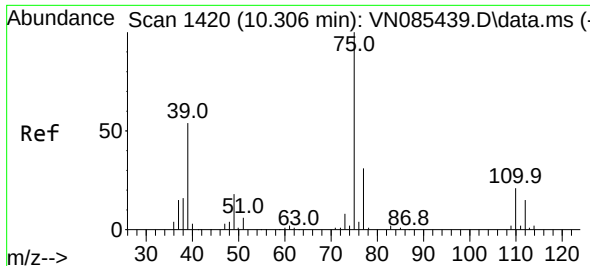
Tgt Ion: 43 Resp: 11866
Ion Ratio Lower Upper
43 100
58 26.6 30.5 45.7#



#53
t-1,3-Dichloropropene
Concen: 0.249 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

Tgt Ion: 75 Resp: 832
Ion Ratio Lower Upper
75 100
77 0.0 23.5 35.3#

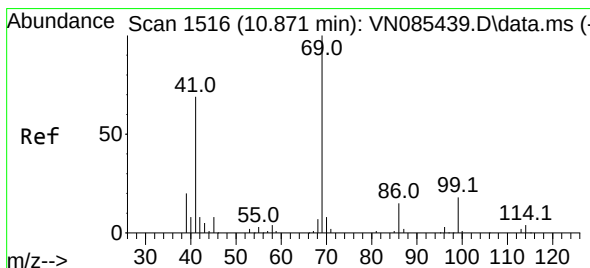
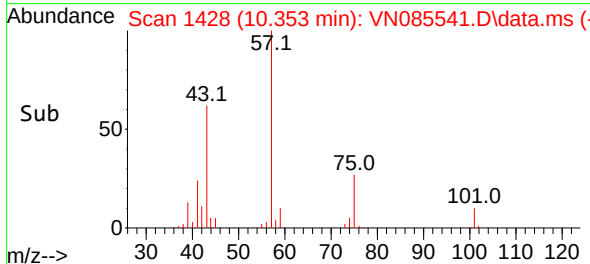
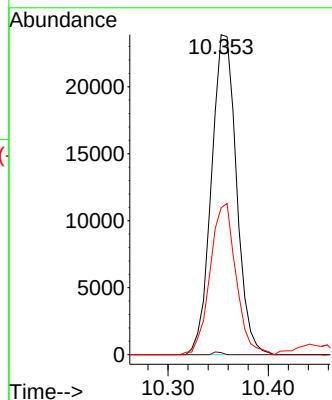
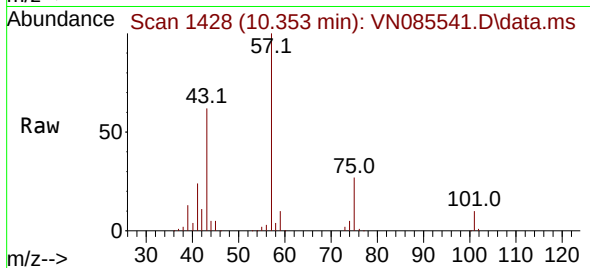




#54
cis-1,3-Dichloropropene
Concen: 11.613 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

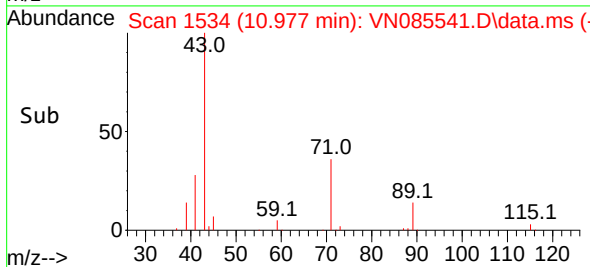
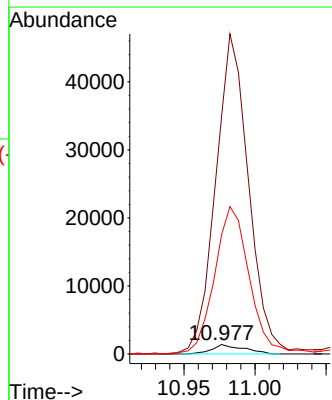
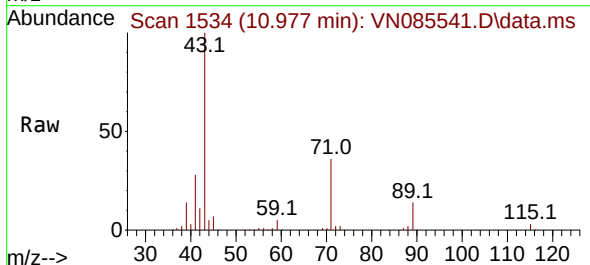
Instrument :
MSVOA_N
ClientSampleId :

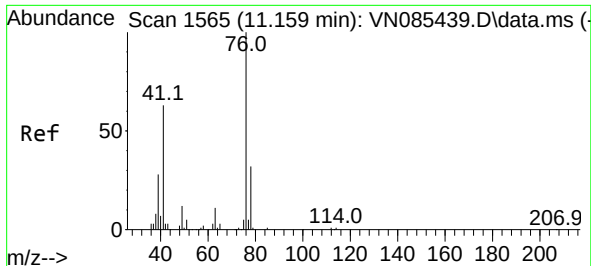
Tgt Ion: 75 Resp: 41452
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.4#
39 46.0 43.1 64.7



#56
Ethyl methacrylate
Concen: 2.497 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

Tgt Ion: 69 Resp: 2143
Ion Ratio Lower Upper
69 100
41 3550.9 54.6 82.0#
39 1724.4 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 1.719 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085541.D

Acq: 28 Jan 2025 16:13

Instrument :

MSVOA_N

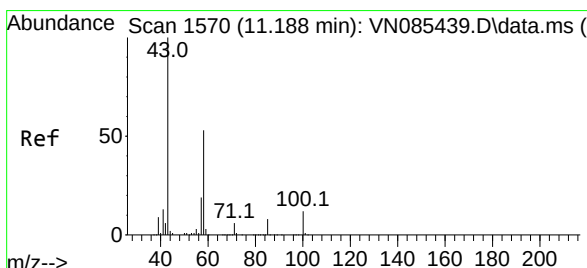
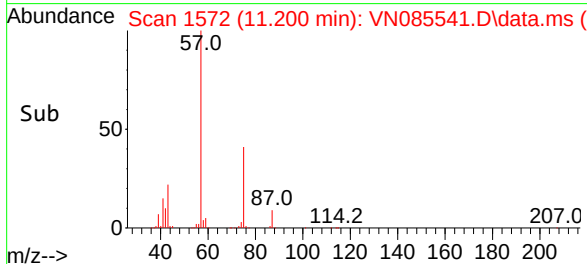
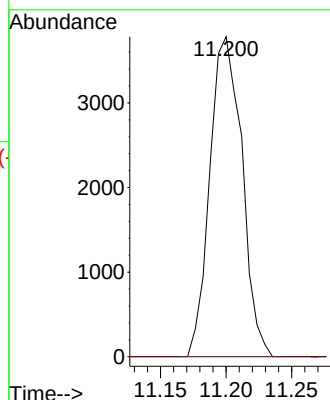
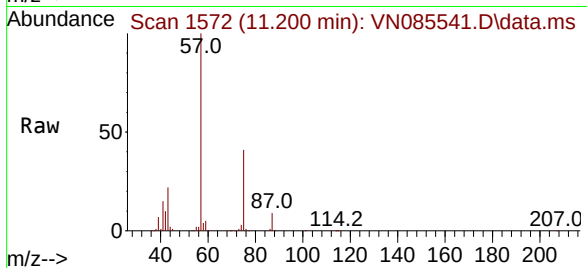
ClientSampleId :

Tgt Ion: 76 Resp: 6454

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 37.074 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085541.D

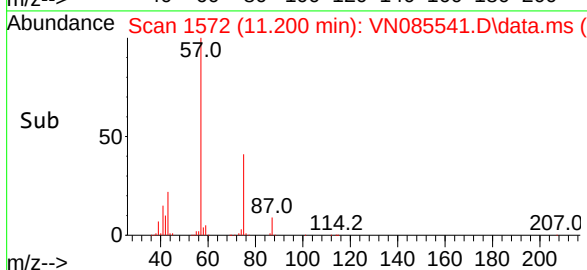
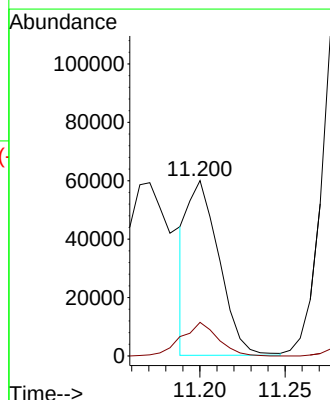
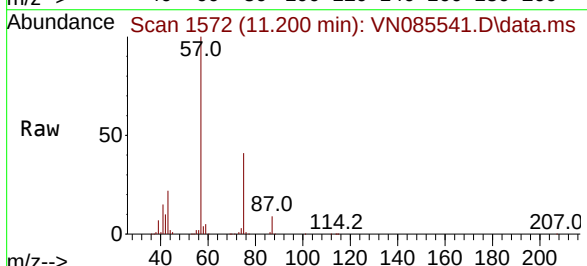
Acq: 28 Jan 2025 16:13

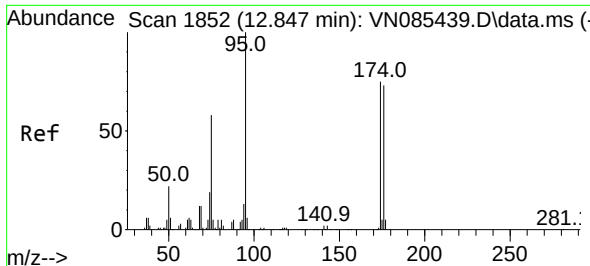
Tgt Ion: 43 Resp: 76735

Ion Ratio Lower Upper

43 100

58 22.4 26.2 78.6#

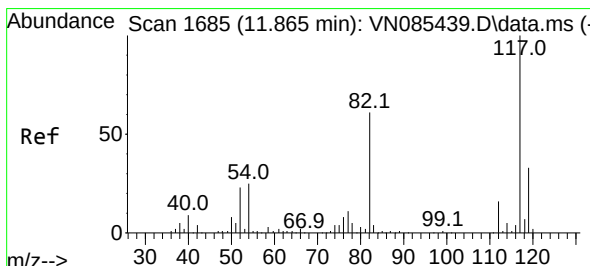
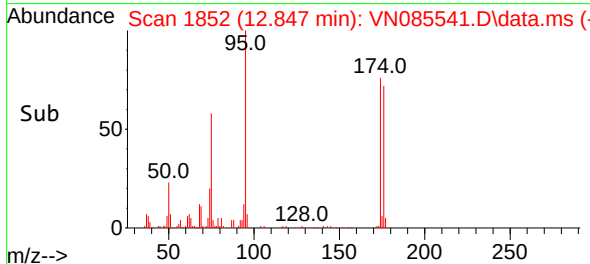
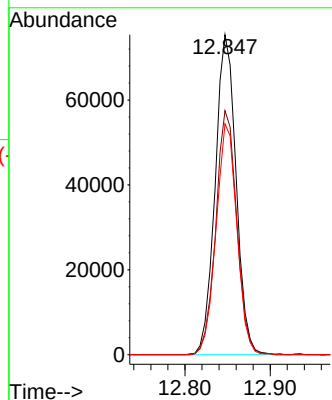
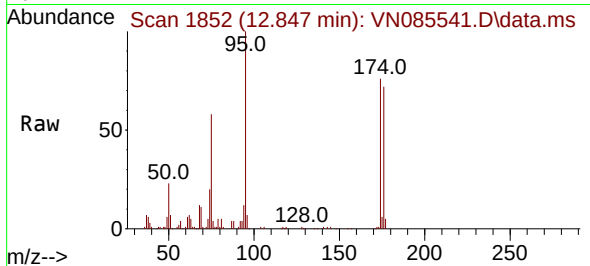




#62
4-Bromofluorobenzene
Concen: 47.283 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

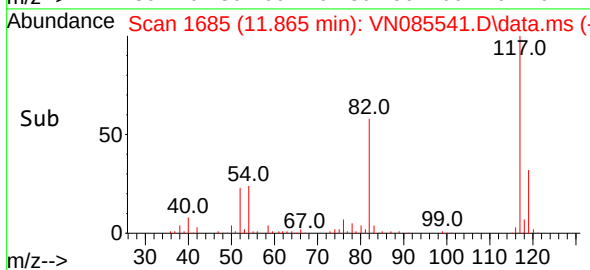
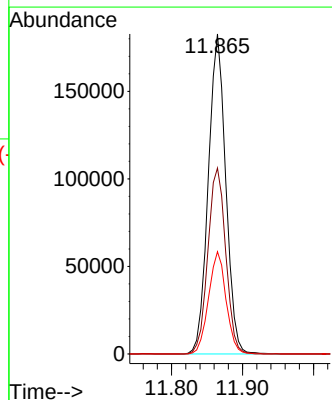
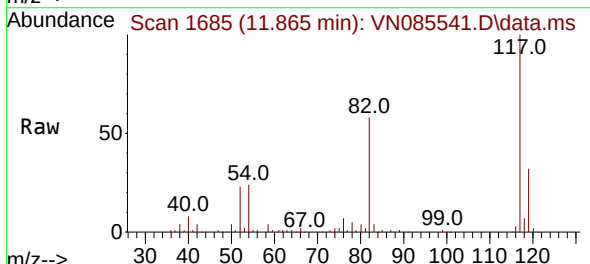
Instrument :
MSVOA_N
ClientSampleId :

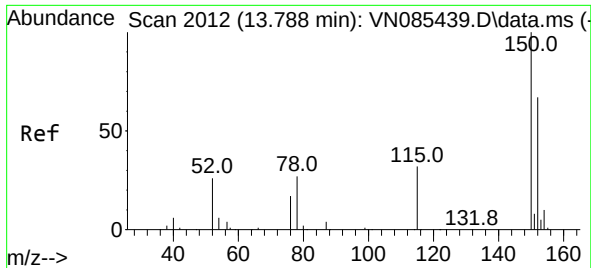
Tgt Ion: 95 Resp: 128336
Ion Ratio Lower Upper
95 100
174 76.7 0.0 145.0
176 71.8 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085541.D
Acq: 28 Jan 2025 16:13

Tgt Ion: 117 Resp: 312442
Ion Ratio Lower Upper
117 100
82 58.1 48.6 72.8
119 32.0 26.6 39.8

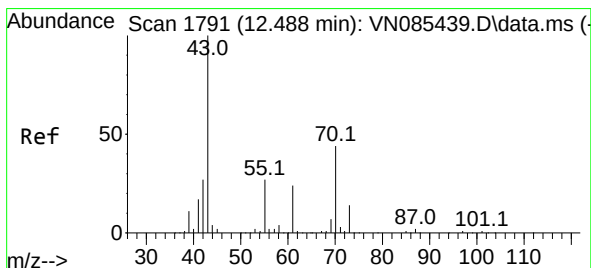
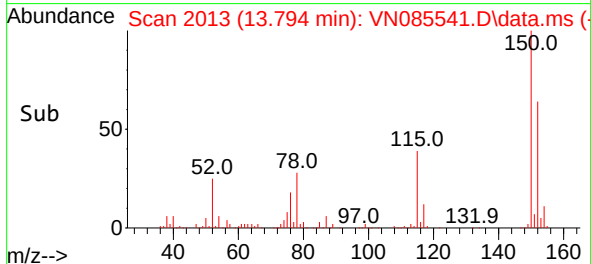
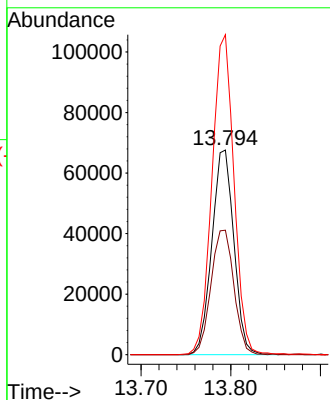
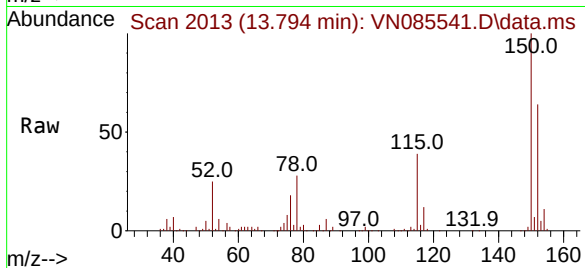




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN085541.D
 Acq: 28 Jan 2025 16:13

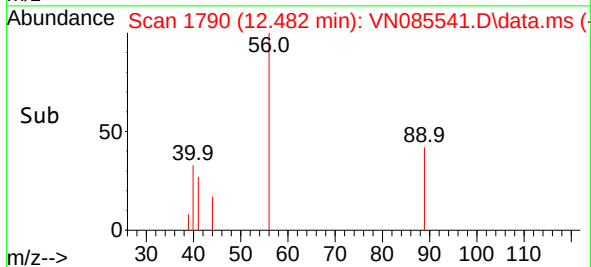
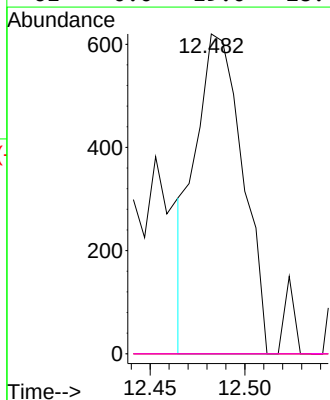
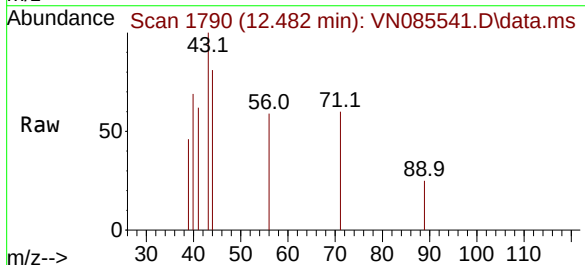
Instrument :
 MSVOA_N
 ClientSampleId :

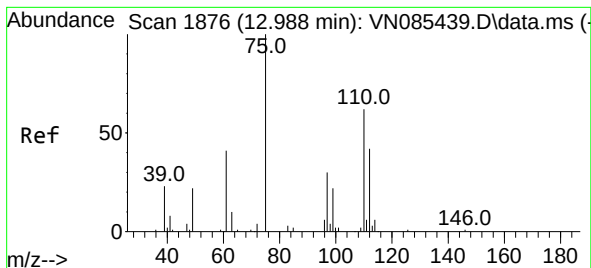
Tgt Ion:152 Resp: 115243
 Ion Ratio Lower Upper
 152 100
 115 63.3 31.1 93.3
 150 156.2 0.0 343.6



#74
 N-ethyl acetate
 Concen: 0.309 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.006 min
 Lab File: VN085541.D
 Acq: 28 Jan 2025 16:13

Tgt Ion: 43 Resp: 1079
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.0 51.0#
 55 0.0 21.4 32.2#
 61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 30.681 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085541.D

Acq: 28 Jan 2025 16:13

Instrument :

MSVOA_N

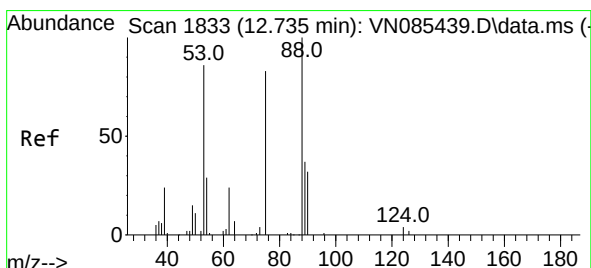
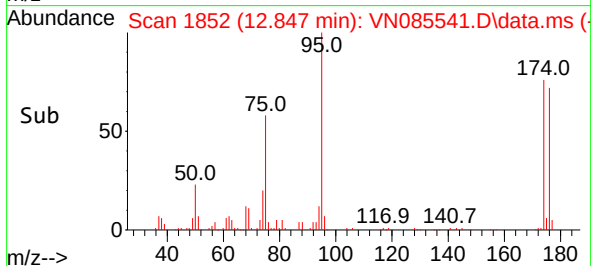
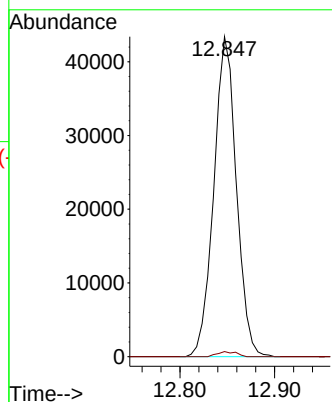
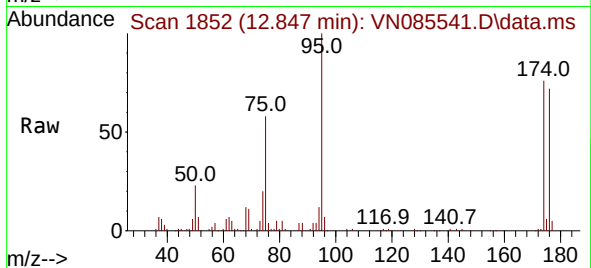
ClientSampleId :

Tgt Ion: 75 Resp: 71866

Ion Ratio Lower Upper

75 100

77 1.3 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.010 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085541.D

Acq: 28 Jan 2025 16:13

Tgt Ion: 75 Resp: 71866

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 37.0 55.6#

