

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085948.D
 Acq On : 11 Mar 2025 21:53
 Operator : JC\MD
 Sample : Q1514-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 12 01:31:50 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

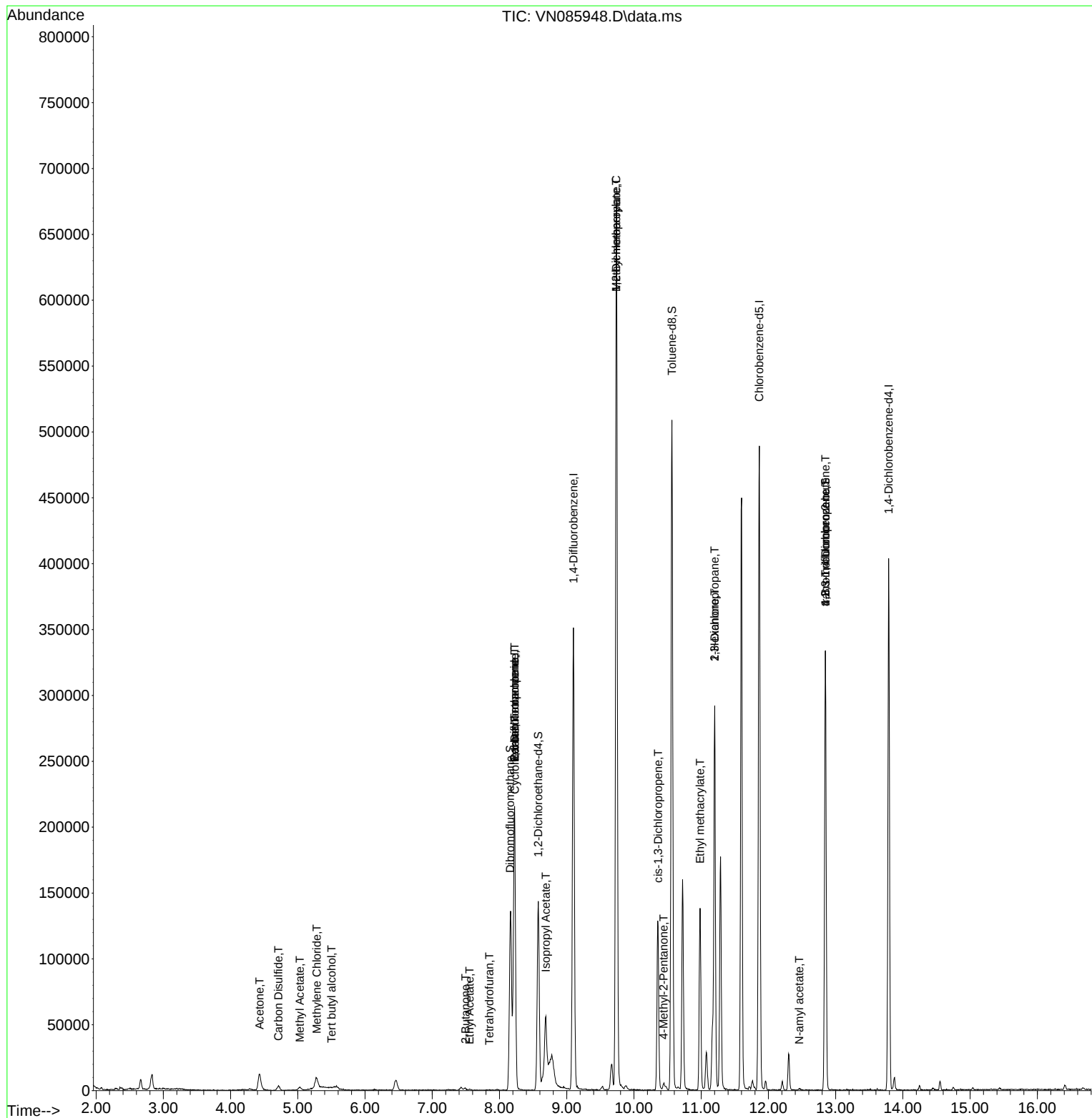
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	150437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296435	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116697	59.833	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.660%	
35) Dibromofluoromethane	8.159	113	98753	50.911	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.820%	
50) Toluene-d8	10.565	98	358054	50.735	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	12.847	95	114862	49.398	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.800%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.500	59	58	0.242	ug/l #	72
16) Acetone	4.430	43	23134	37.486	ug/l	99
17) Carbon Disulfide	4.712	76	7062	1.444	ug/l #	92
18) Methyl Acetate	5.030	43	4430	2.087	ug/l #	72
20) Methylene Chloride	5.283	84	5982	3.014	ug/l #	85
25) 2-Butanone	7.494	43	2532	2.789	ug/l #	75
29) Tetrahydrofuran	7.847	42	163	0.278	ug/l #	29
31) Cyclohexane	8.230	56	3477	1.248	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12203	4.445	ug/l #	49
37) Ethyl Acetate	7.553	43	1311	0.580	ug/l #	66
38) Carbon Tetrachloride	8.224	117	16767	5.140	ug/l #	19
43) Isopropyl Acetate	8.688	43	70964	17.544	ug/l #	79
45) 1,2-Dichloropropane	9.735	63	898	0.423	ug/l #	43
48) Methyl methacrylate	9.735	41	59935	35.722	ug/l #	36
51) 4-Methyl-2-Pentanone	10.441	43	6414	2.945	ug/l #	65
54) cis-1,3-Dichloropropene	10.359	75	23795	7.322	ug/l #	64
56) Ethyl methacrylate	10.982	69	1087	0.871	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2869	0.838	ug/l #	42
59) 2-Hexanone	11.200	43	36263	24.200	ug/l #	52
74) N-amyl acetate	12.459	43	1195	0.449	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	58452	23.911	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58452	69.767	ug/l #	13

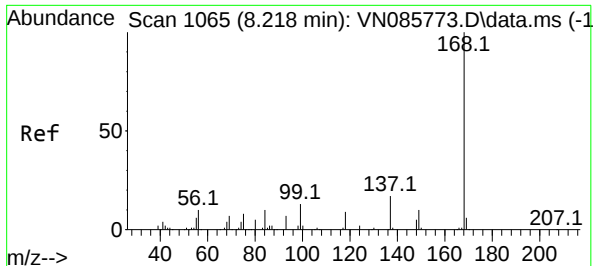
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085948.D
Acq On : 11 Mar 2025 21:53
Operator : JC\MD
Sample : Q1514-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

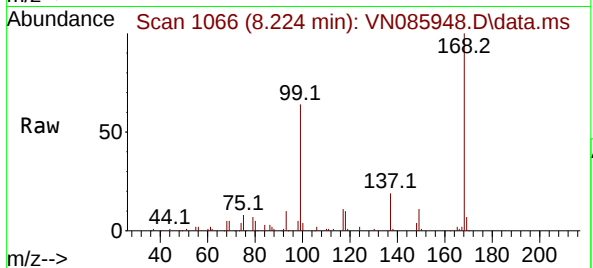
Quant Time: Mar 12 01:31:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



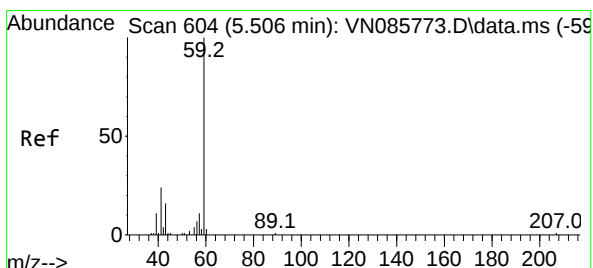
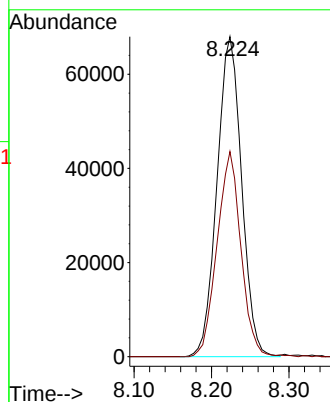
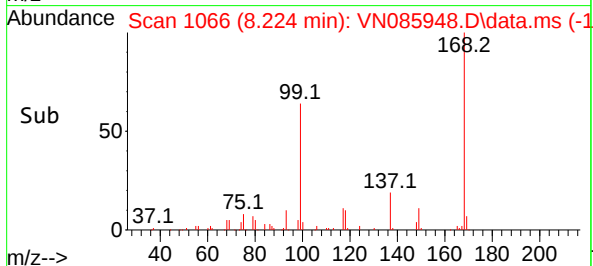


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Instrument :
MSVOA_N
ClientSampleId :

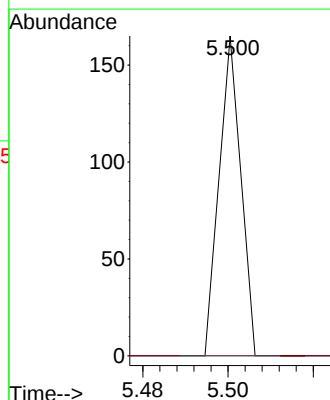
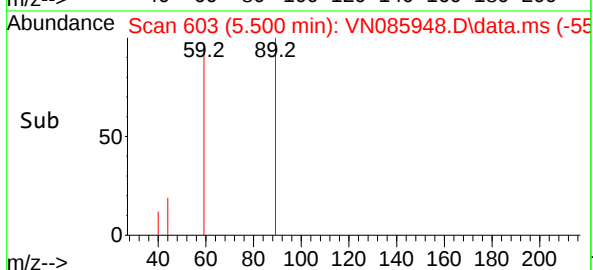
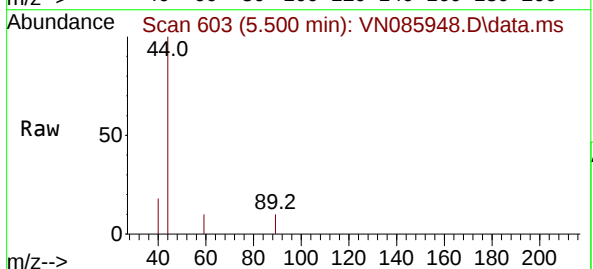


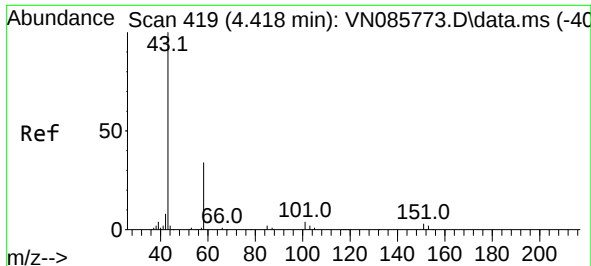
Tgt Ion:168 Resp: 150437
Ion Ratio Lower Upper
168 100
99 64.1 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.242 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.006 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

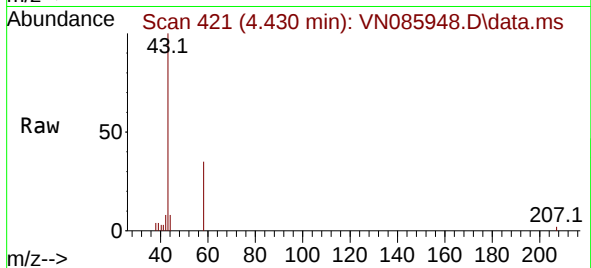
Tgt Ion: 59 Resp: 58
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



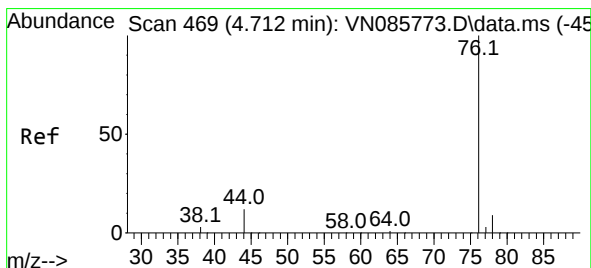
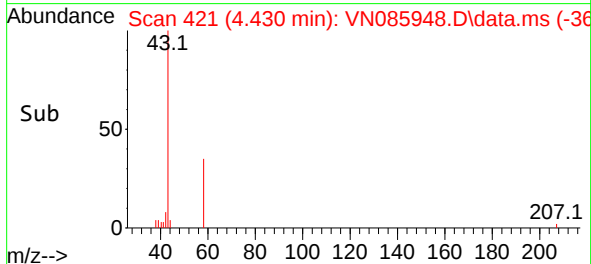
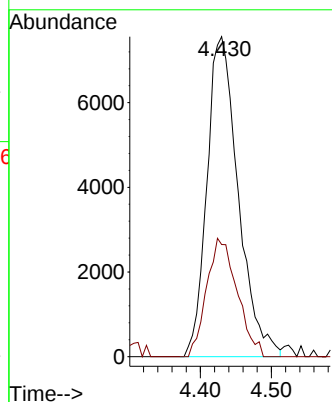


#16
Acetone
Concen: 37.486 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Instrument :
MSVOA_N
ClientSampleId :

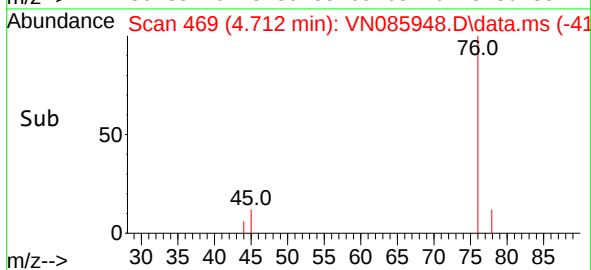
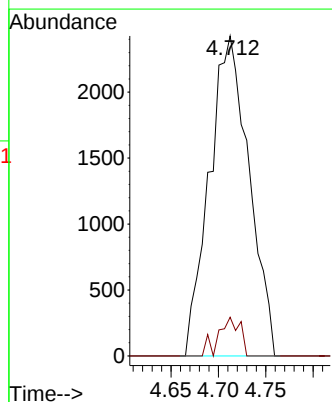
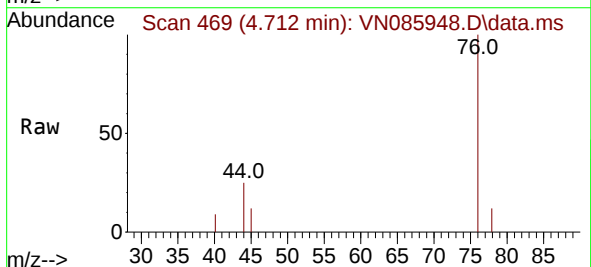


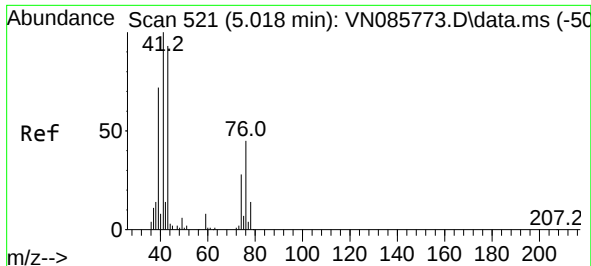
Tgt Ion: 43 Resp: 23134
Ion Ratio Lower Upper
43 100
58 35.1 27.5 41.3



#17
Carbon Disulfide
Concen: 1.444 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

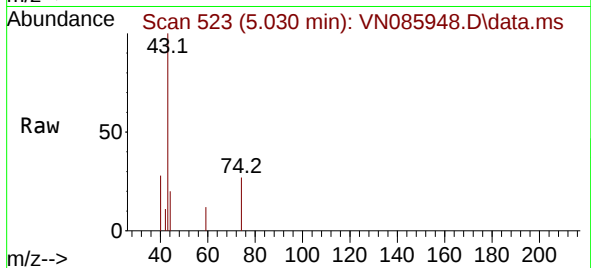
Tgt Ion: 76 Resp: 7062
Ion Ratio Lower Upper
76 100
78 12.1 7.4 11.0#



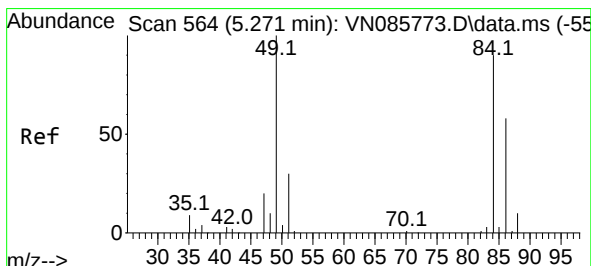
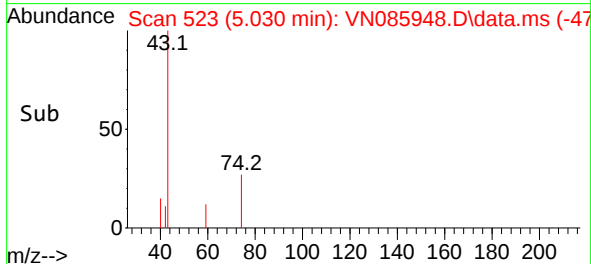
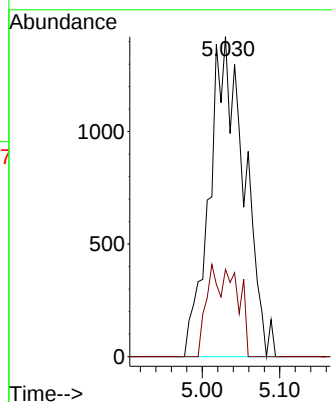


#18
Methyl Acetate
Concen: 2.087 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Instrument :
MSVOA_N
ClientSampleId :

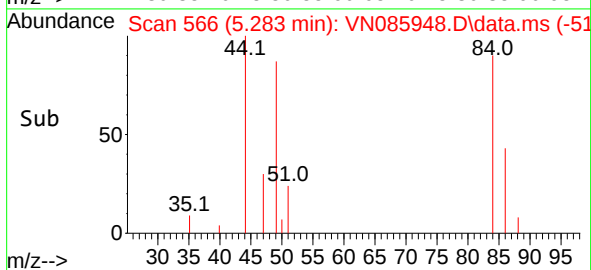
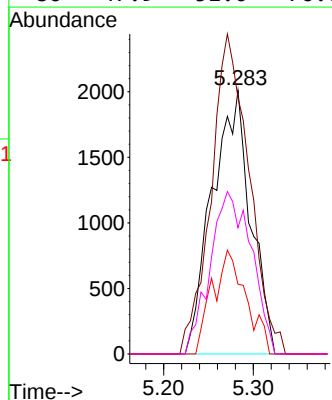
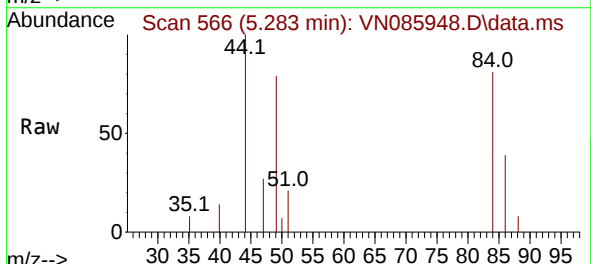


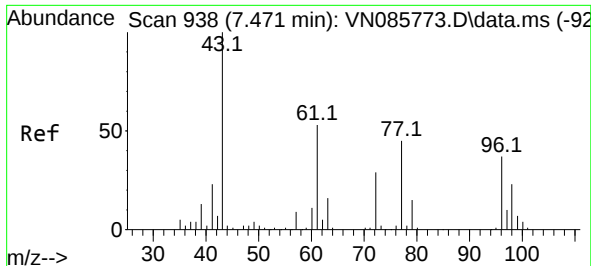
Tgt Ion: 43 Resp: 4430
Ion Ratio Lower Upper
43 100
74 12.9 22.2 33.4#



#20
Methylene Chloride
Concen: 3.014 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Tgt Ion: 84 Resp: 5982
Ion Ratio Lower Upper
84 100
49 97.2 88.4 132.6
51 26.4 26.6 40.0#
86 47.9 51.0 76.6#





#25

2-Butanone

Concen: 2.789 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.024 min

Lab File: VN085948.D

Acq: 11 Mar 2025 21:53

Instrument :

MSVOA_N

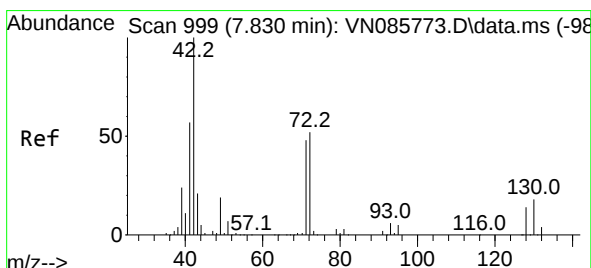
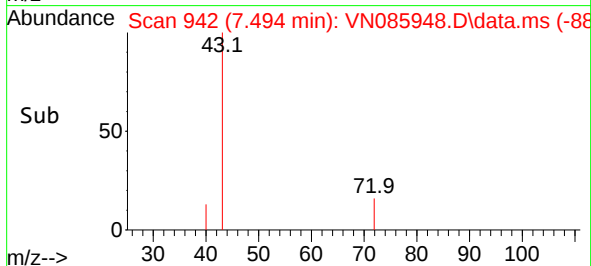
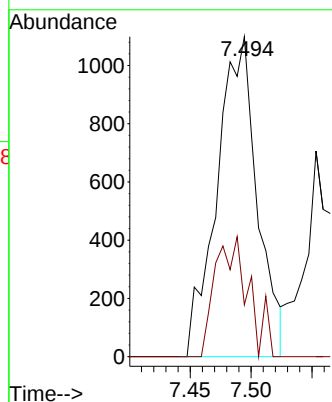
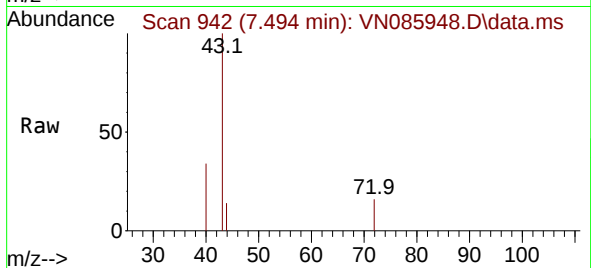
ClientSampleId :

Tgt Ion: 43 Resp: 2532

Ion Ratio Lower Upper

43 100

72 16.2 23.6 35.4#



#29

Tetrahydrofuran

Concen: 0.278 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.018 min

Lab File: VN085948.D

Acq: 11 Mar 2025 21:53

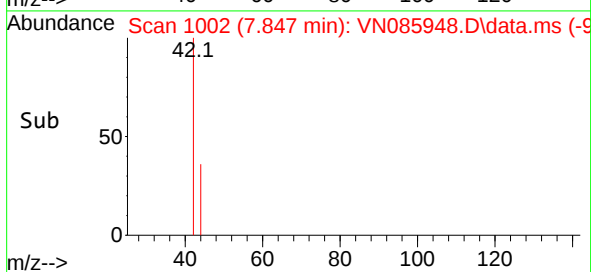
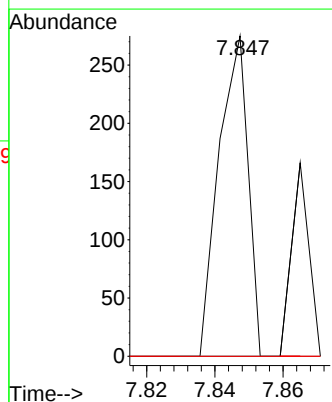
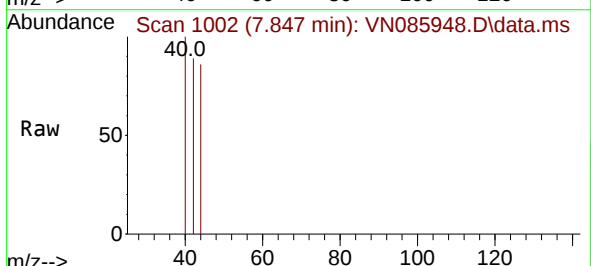
Tgt Ion: 42 Resp: 163

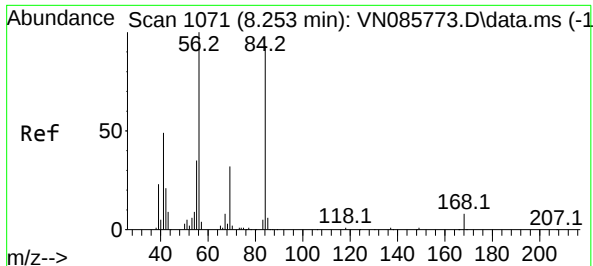
Ion Ratio Lower Upper

42 100

72 0.0 40.0 60.0#

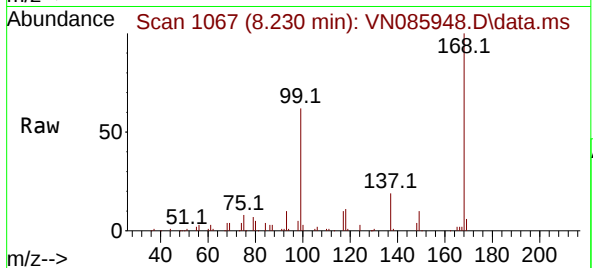
71 0.0 37.0 55.4#



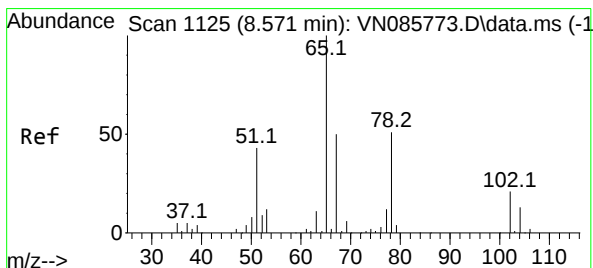
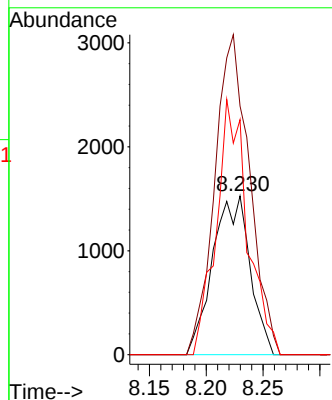
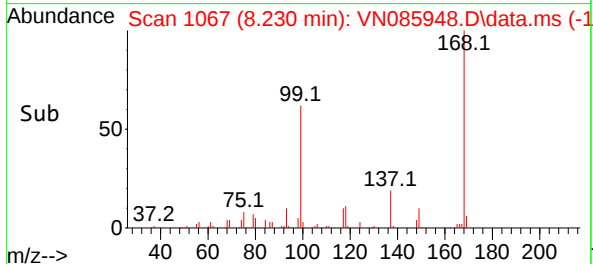


#31
Cyclohexane
Concen: 1.248 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Instrument :
MSVOA_N
ClientSampleId :

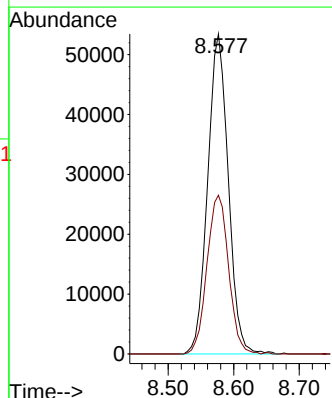
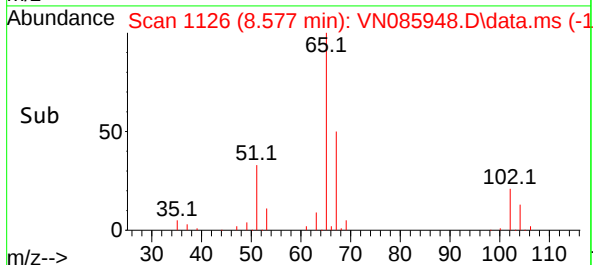
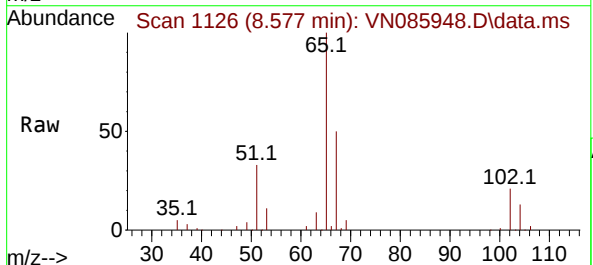


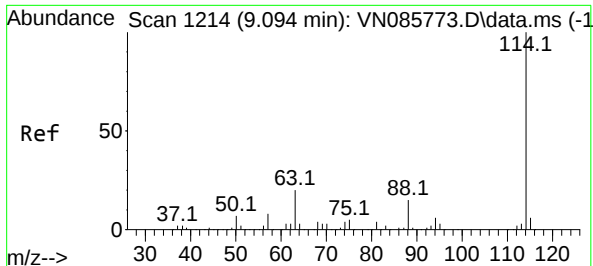
Tgt Ion: 56 Resp: 3477
Ion Ratio Lower Upper
56 100
69 156.7 25.8 38.6#
84 148.1 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 59.833 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Tgt Ion: 65 Resp: 116697
Ion Ratio Lower Upper
65 100
67 52.0 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: VN085948.D

Acq: 11 Mar 2025 21:53

Instrument :

MSVOA_N

ClientSampleId :

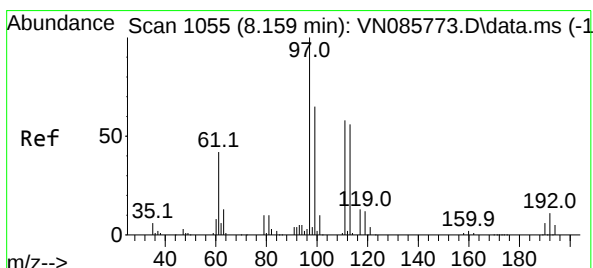
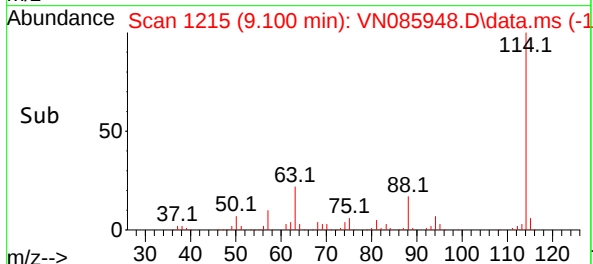
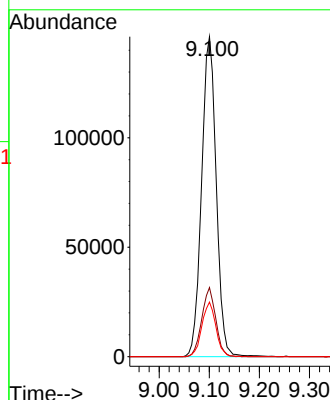
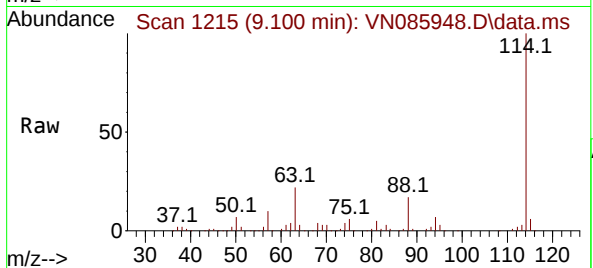
Tgt Ion:114 Resp: 296435

Ion Ratio Lower Upper

114 100

63 21.6 0.0 39.2

88 17.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 50.911 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085948.D

Acq: 11 Mar 2025 21:53

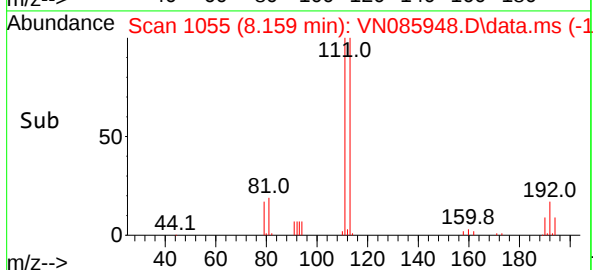
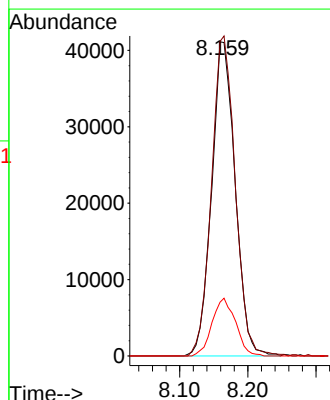
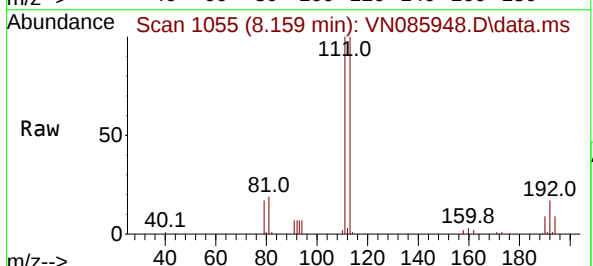
Tgt Ion:113 Resp: 98753

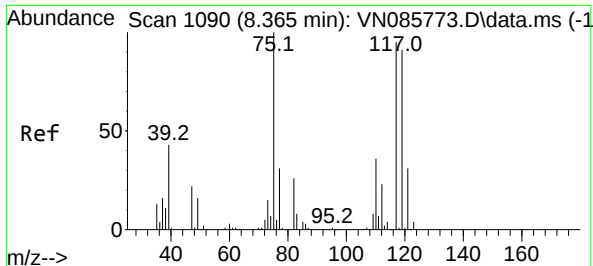
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 18.4 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.445 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085948.D

Acq: 11 Mar 2025 21:53

Instrument :

MSVOA_N

ClientSampleId :

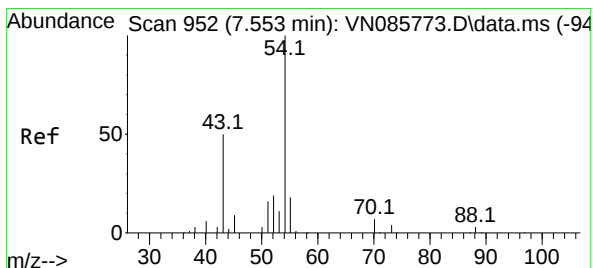
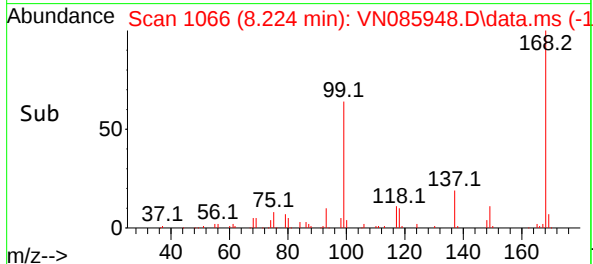
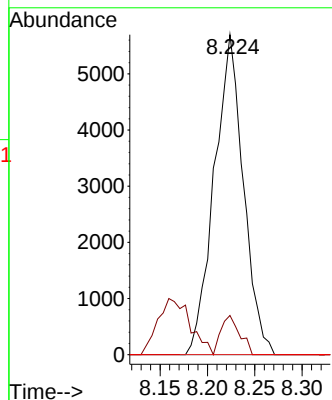
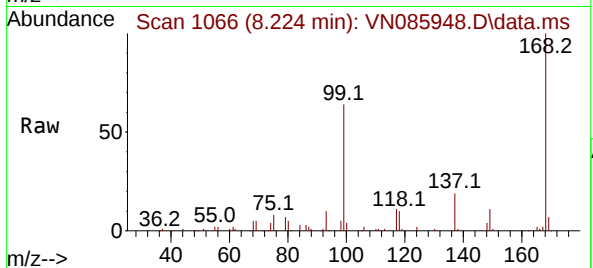
Tgt Ion: 75 Resp: 12203

Ion Ratio Lower Upper

75 100

110 7.9 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.580 ug/l

RT: 7.553 min Scan# 952

Delta R.T. 0.000 min

Lab File: VN085948.D

Acq: 11 Mar 2025 21:53

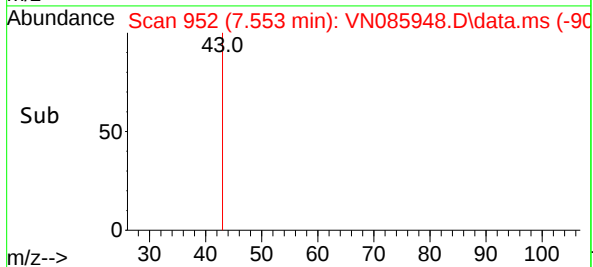
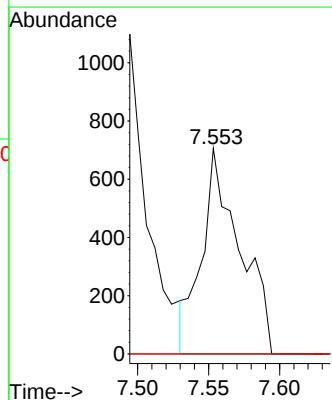
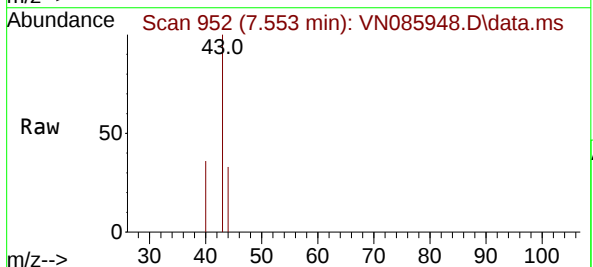
Tgt Ion: 43 Resp: 1311

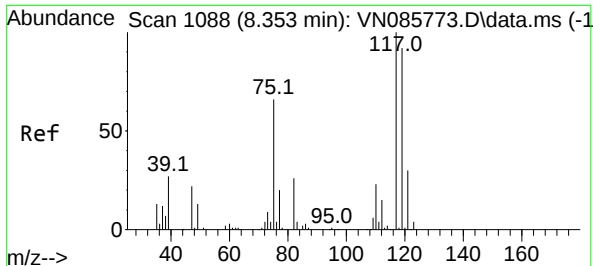
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

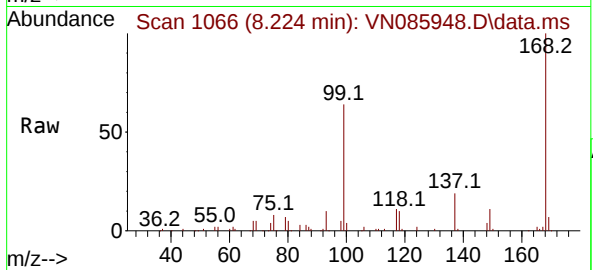
70 0.0 9.5 14.3#



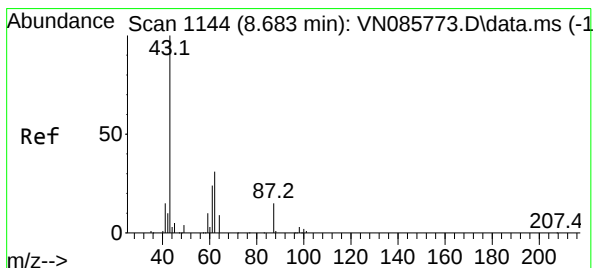
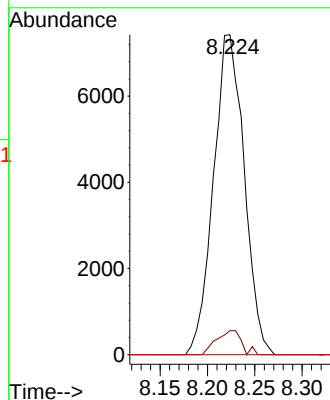
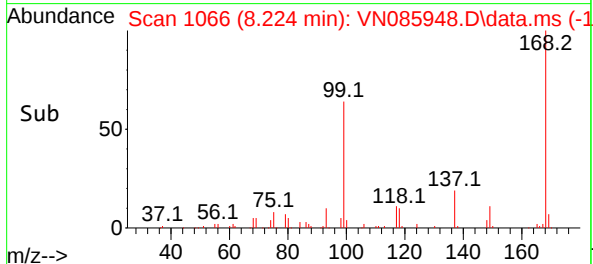


#38
Carbon Tetrachloride
Concen: 5.140 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.129 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

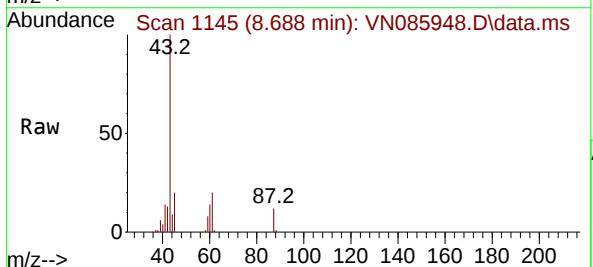
Instrument :
MSVOA_N
ClientSampleId :



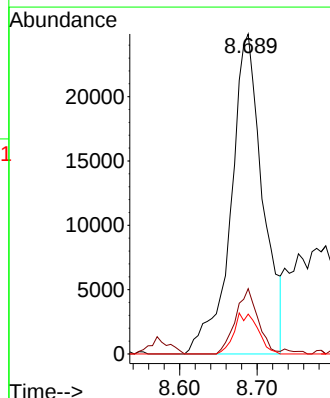
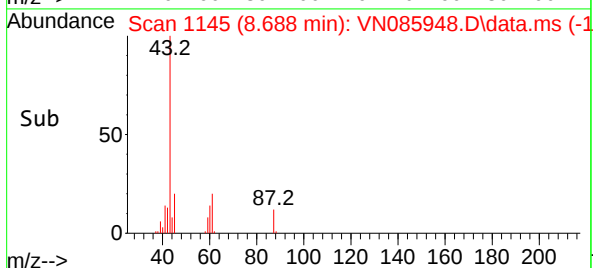
Tgt Ion:117 Resp: 16767
Ion Ratio Lower Upper
117 100
119 7.5 73.8 110.6#
121 0.0 24.3 36.5#

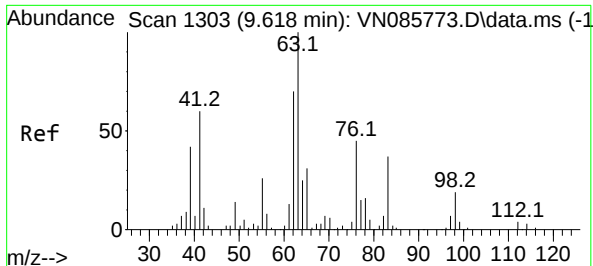


#43
Isopropyl Acetate
Concen: 17.544 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53



Tgt Ion: 43 Resp: 70964
Ion Ratio Lower Upper
43 100
61 14.5 22.6 34.0#
87 9.6 11.8 17.8#





#45

1,2-Dichloropropane

Concen: 0.423 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085948.D

Acq: 11 Mar 2025 21:53

Instrument :

MSVOA_N

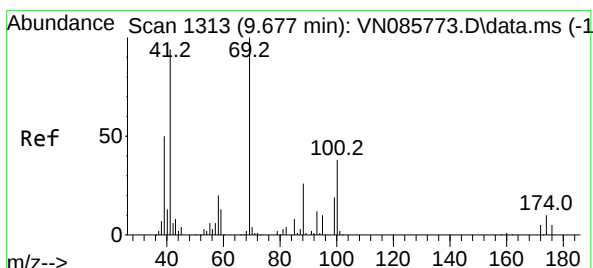
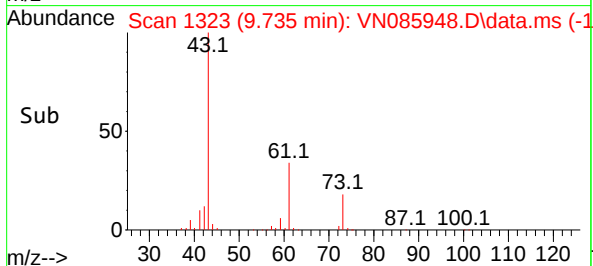
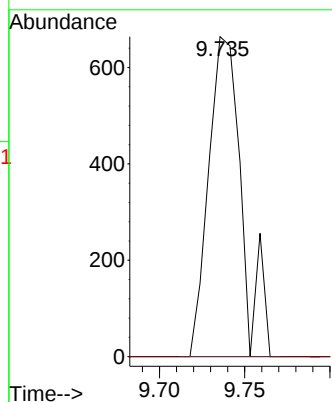
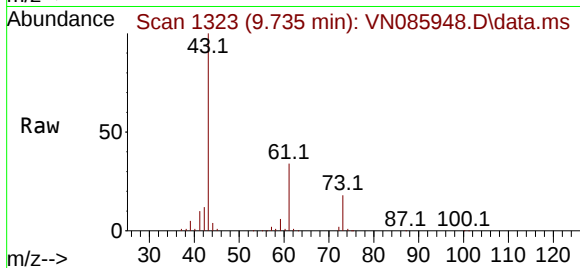
ClientSampleId :

Tgt Ion: 63 Resp: 898

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 35.722 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN085948.D

Acq: 11 Mar 2025 21:53

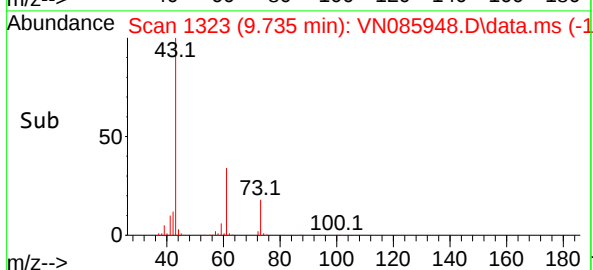
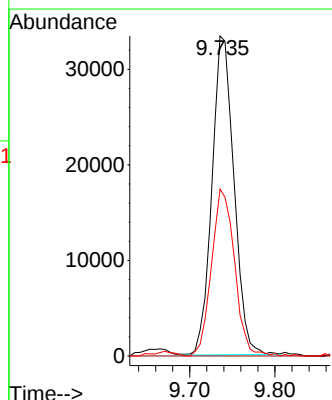
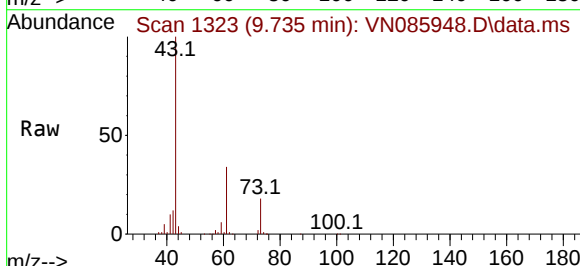
Tgt Ion: 41 Resp: 59935

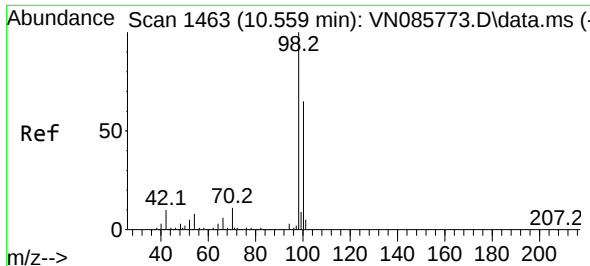
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 55.0 42.3 63.5

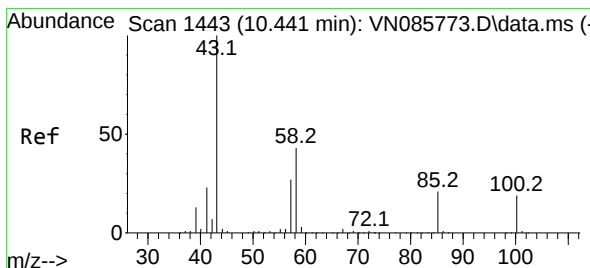
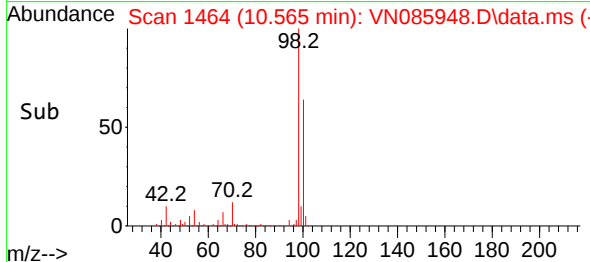
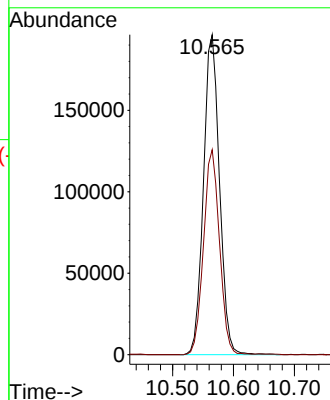
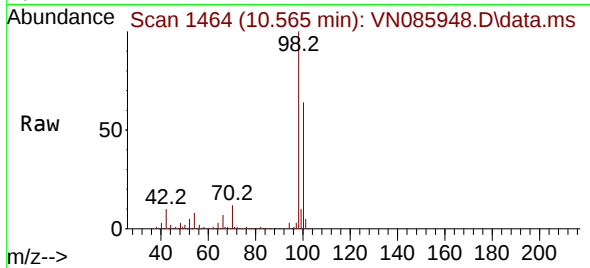




#50
Toluene-d8
Concen: 50.735 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

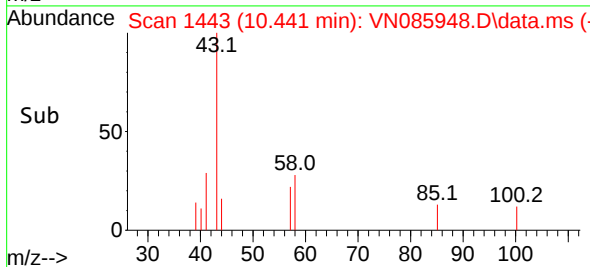
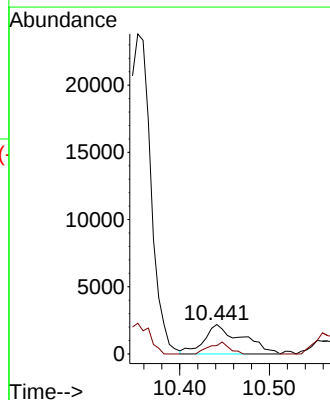
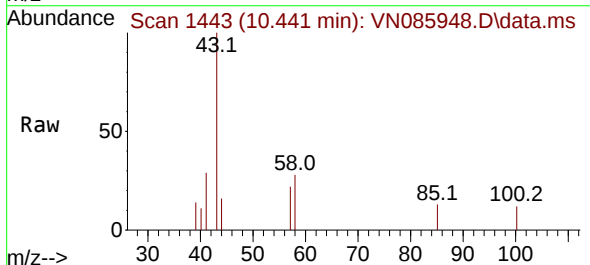
Instrument :
MSVOA_N
ClientSampleId :

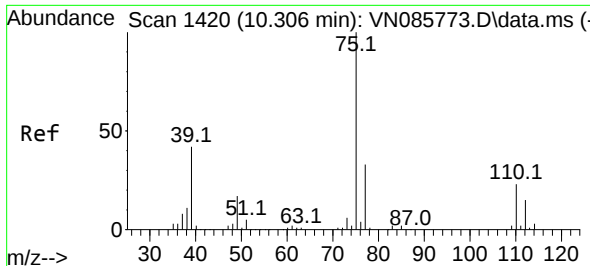
Tgt Ion: 98 Resp: 358054
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 2.945 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Tgt Ion: 43 Resp: 6414
Ion Ratio Lower Upper
43 100
58 21.0 34.6 52.0#

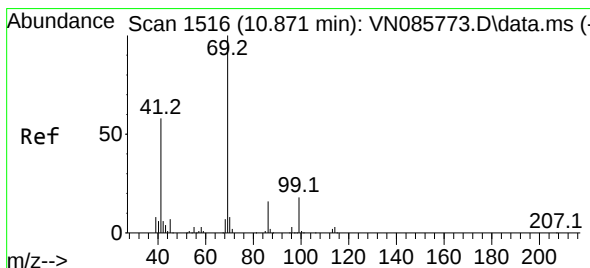
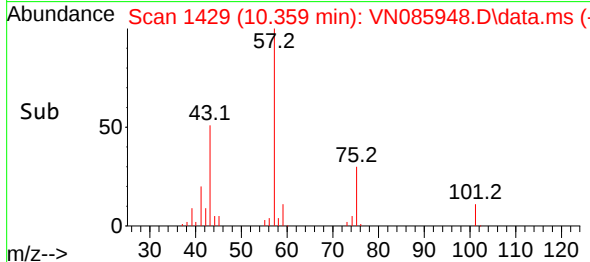
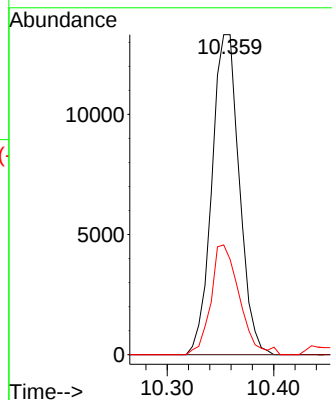
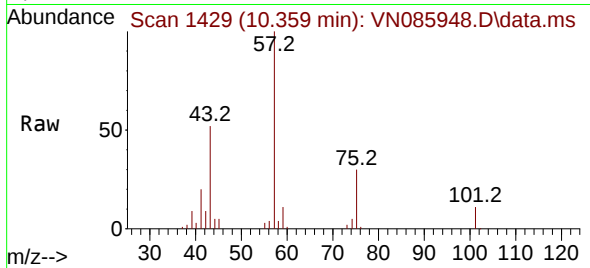




#54
 cis-1,3-Dichloropropene
 Concen: 7.322 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085948.D
 Acq: 11 Mar 2025 21:53

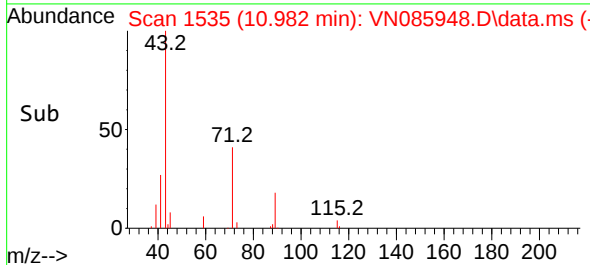
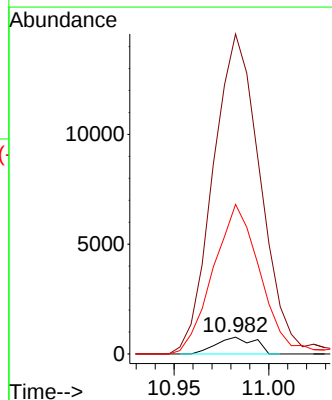
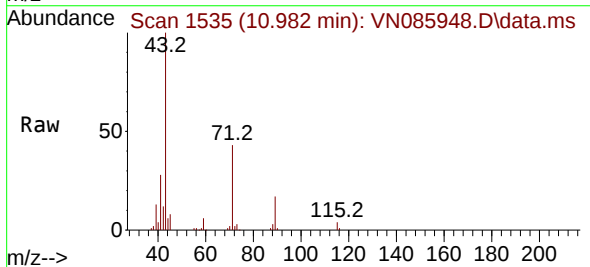
Instrument :
 MSVOA_N
 ClientSampleId :

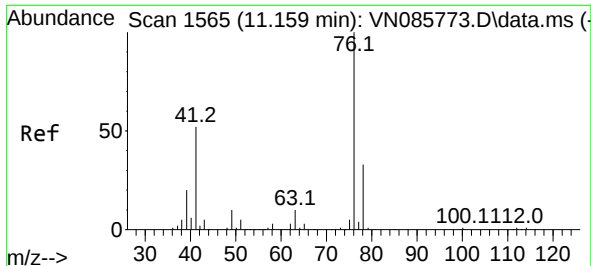
Tgt Ion: 75 Resp: 23795
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 29.8 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 0.871 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN085948.D
 Acq: 11 Mar 2025 21:53

Tgt Ion: 69 Resp: 1087
 Ion Ratio Lower Upper
 69 100
 41 2347.6 46.0 69.0#
 39 1089.1 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 0.838 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085948.D

Acq: 11 Mar 2025 21:53

Instrument :

MSVOA_N

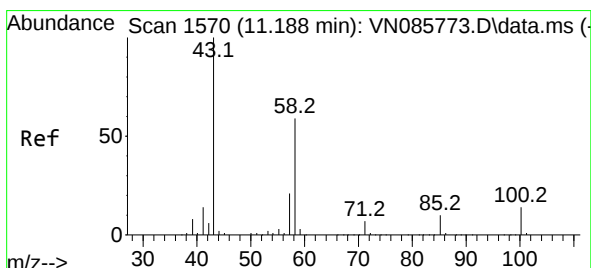
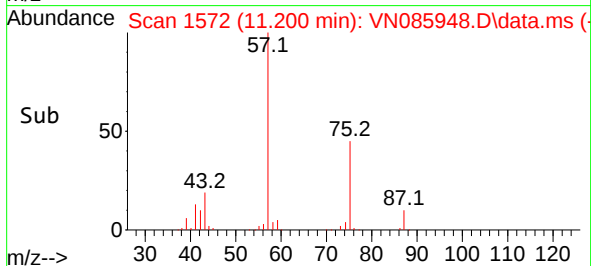
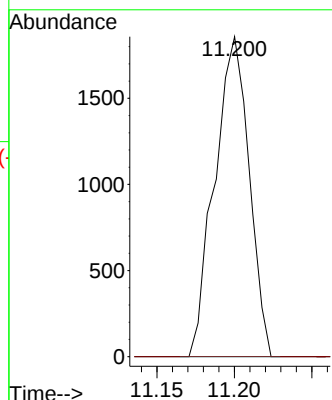
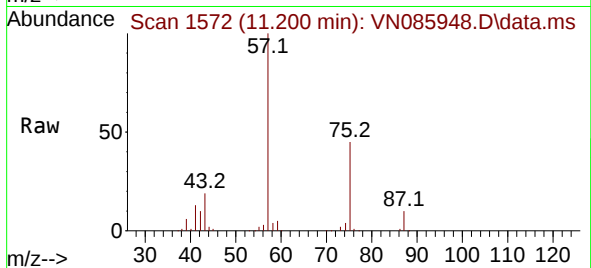
ClientSampleId :

Tgt Ion: 76 Resp: 2869

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 24.200 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.012 min

Lab File: VN085948.D

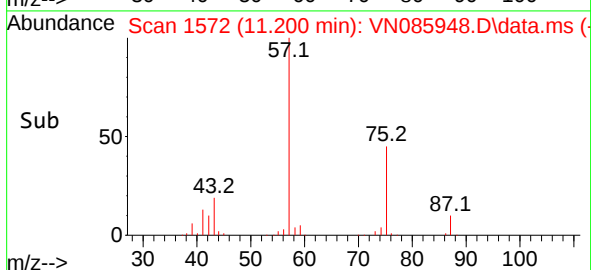
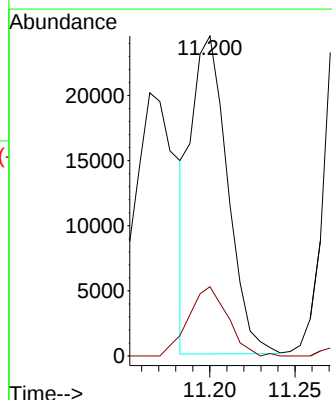
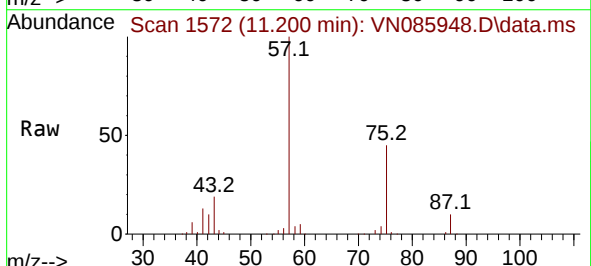
Acq: 11 Mar 2025 21:53

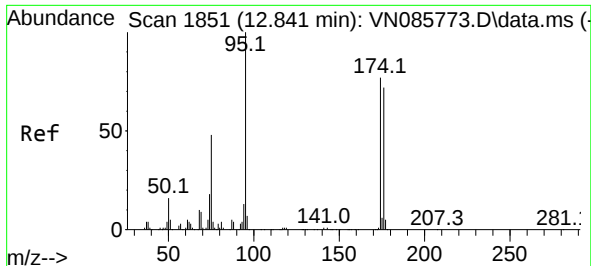
Tgt Ion: 43 Resp: 36263

Ion Ratio Lower Upper

43 100

58 23.5 29.8 89.5#

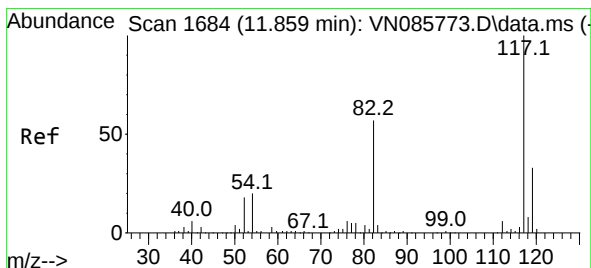
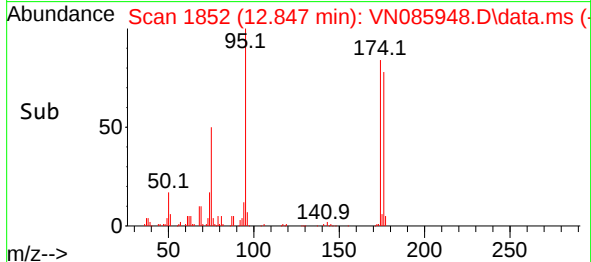
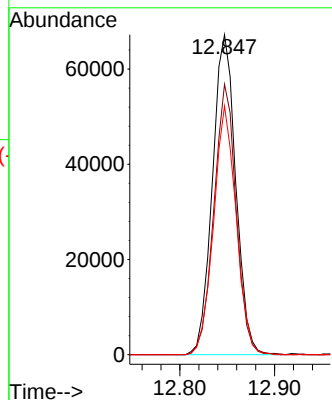
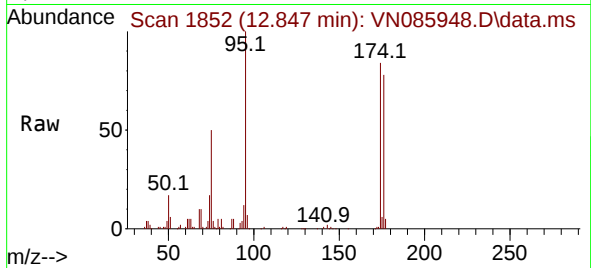




#62
4-Bromofluorobenzene
Concen: 49.398 ug/l
RT: 12.847 min Scan# 114862
Delta R.T. 0.006 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

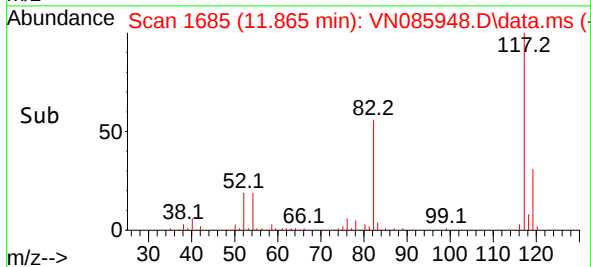
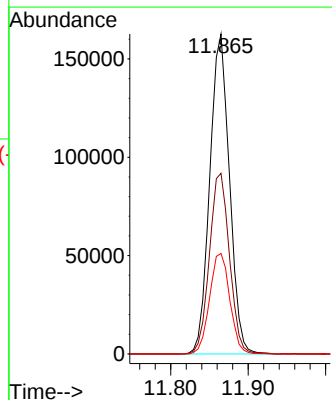
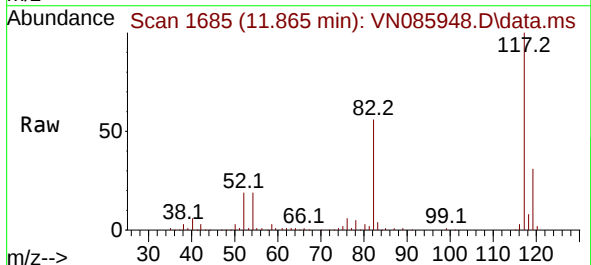
Instrument :
MSVOA_N
ClientSampleId :

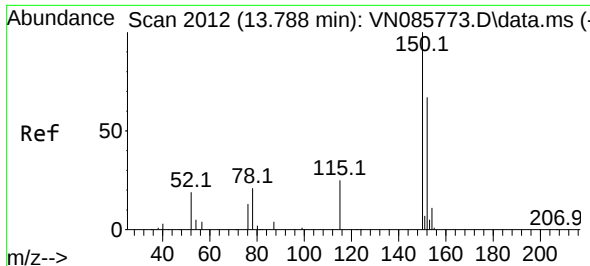
Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	152.4
176	75.3	0.0	146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

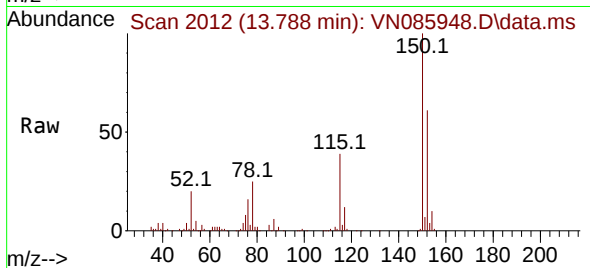
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.7	68.5
119	31.4	26.2	39.2



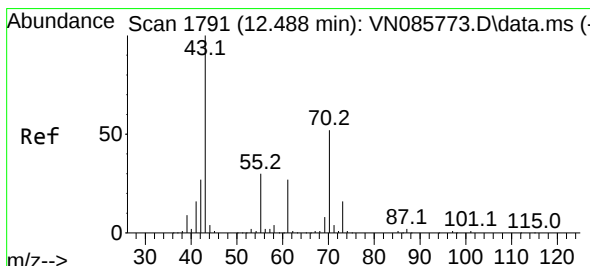
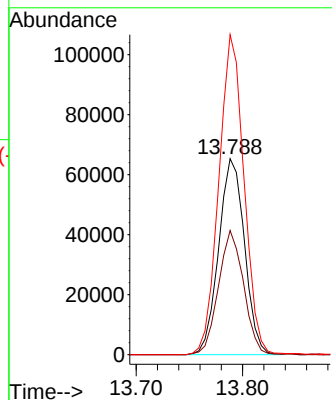
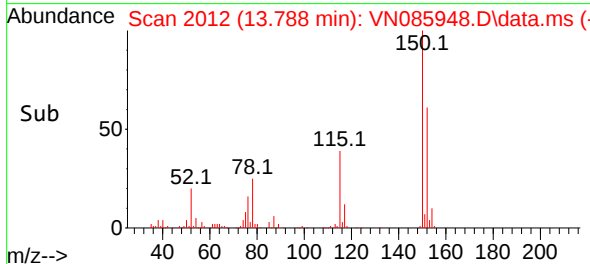


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

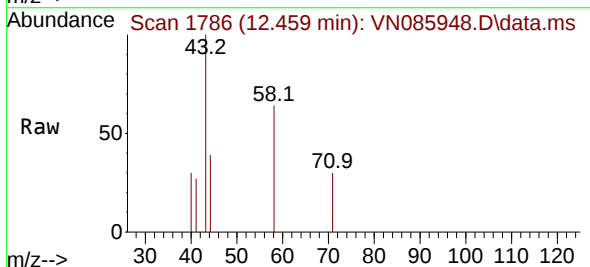
Instrument :
MSVOA_N
ClientSampleId :



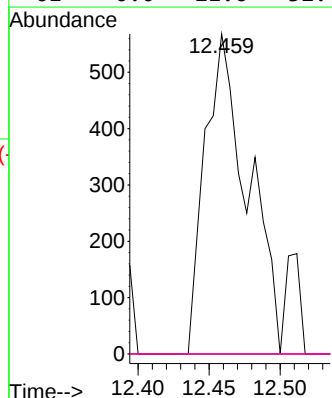
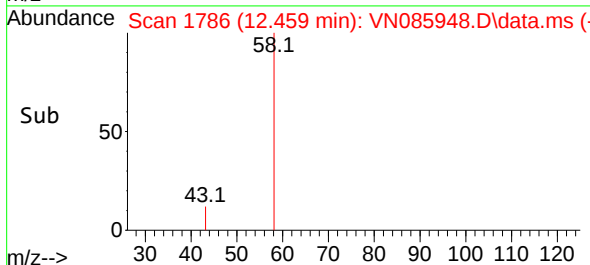
Tgt Ion:152 Resp: 110049
Ion Ratio Lower Upper
152 100
115 61.6 30.4 91.3
150 159.3 0.0 345.4

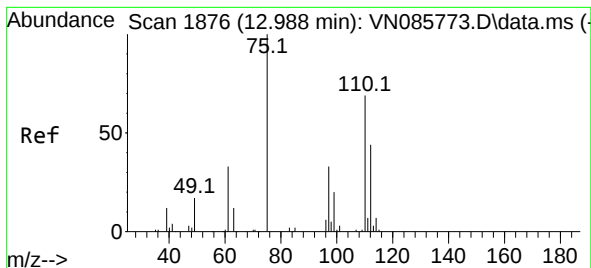


#74
N-ethyl acetate
Concen: 0.449 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.029 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53



Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.4#
55 0.0 24.6 36.8#
61 0.0 21.6 32.4#

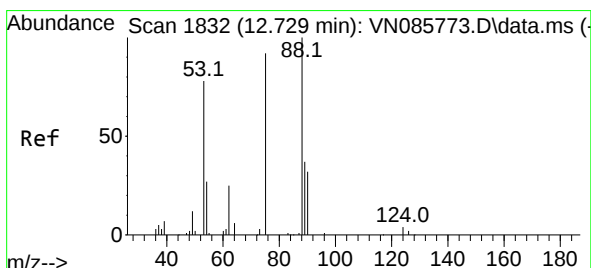
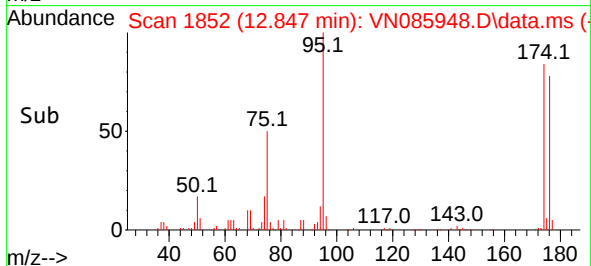
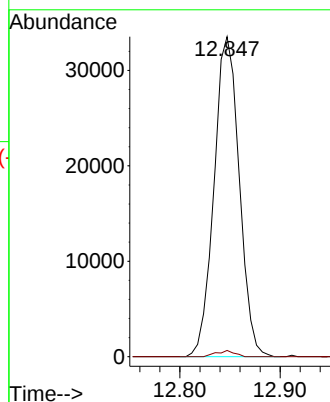
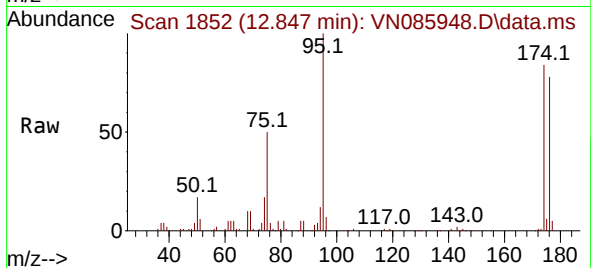




#76
1,2,3-Trichloropropane
Concen: 23.911 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 58452
Ion Ratio Lower Upper
75 100
77 1.4 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.767 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Tgt Ion: 75 Resp: 58452
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#

