

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086111.D
 Acq On : 25 Mar 2025 19:28
 Operator : JC\MD
 Sample : Q1626-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CO-32-1

Quant Time: Mar 26 03:25:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

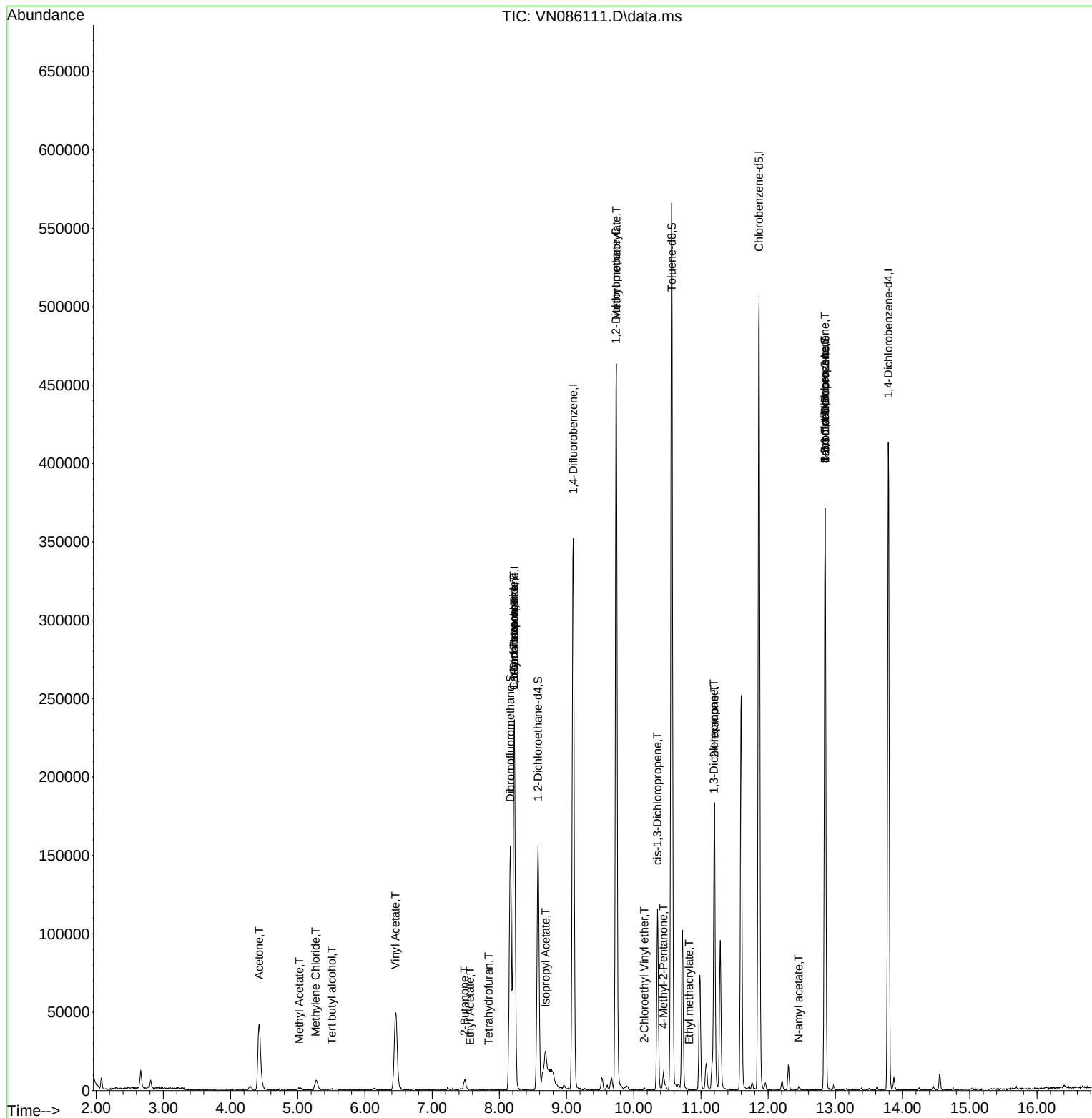
Internal Standards						
1) Pentafluorobenzene	8.224	168	166979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	313069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129226	56.517	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.040%	
35) Dibromofluoromethane	8.165	113	111924	51.220	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.440%	
50) Toluene-d8	10.565	98	405905	51.182	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.360%	
62) 4-Bromofluorobenzene	12.847	95	130113	46.004	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	804	2.484	ug/l #	73
16) Acetone	4.424	43	76626	109.693	ug/l	97
18) Methyl Acetate	5.024	43	1766	1.022	ug/l #	70
20) Methylene Chloride	5.265	84	4898	2.397	ug/l	92
23) Vinyl Acetate	6.453	43	1014	0.294	ug/l #	66
25) 2-Butanone	7.483	43	11198	11.110	ug/l #	78
29) Tetrahydrofuran	7.841	42	204	0.328	ug/l #	43
31) Cyclohexane	8.224	56	3170	1.113	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13796	4.795	ug/l #	49
37) Ethyl Acetate	7.565	43	520	0.214	ug/l #	64
38) Carbon Tetrachloride	8.218	117	17654	4.666	ug/l #	16
43) Isopropyl Acetate	8.688	43	33709	6.408	ug/l #	67
45) 1,2-Dichloropropane	9.735	63	536	0.261	ug/l #	44
48) Methyl methacrylate	9.741	41	43243	24.912	ug/l #	33
51) 4-Methyl-2-Pentanone	10.441	43	9604	4.140	ug/l #	70
54) cis-1,3-Dichloropropene	10.353	75	20756	5.999	ug/l #	70
56) Ethyl methacrylate	10.824	69	62	0.210	ug/l #	33
57) 1,3-Dichloropropane	11.194	76	1918	0.534	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.159	63	638	4.068	ug/l #	61
59) 2-Hexanone	11.200	43	24325	14.394	ug/l #	50
71) Bromoform	12.847	173	1083	0.494	ug/l #	1
74) N-amyl acetate	12.453	43	1873	0.704	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	64350	24.687	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64350	65.267	ug/l #	16

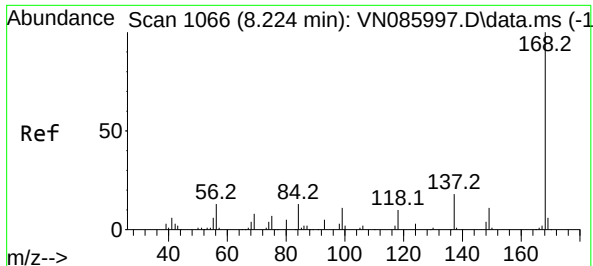
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

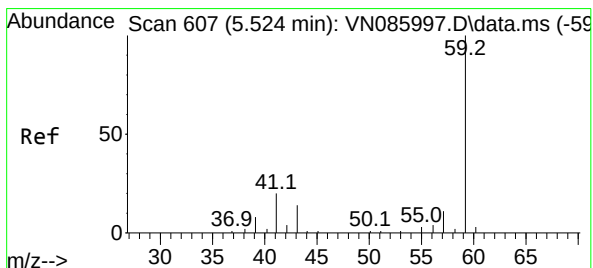
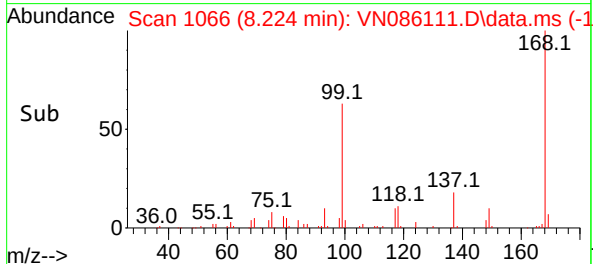
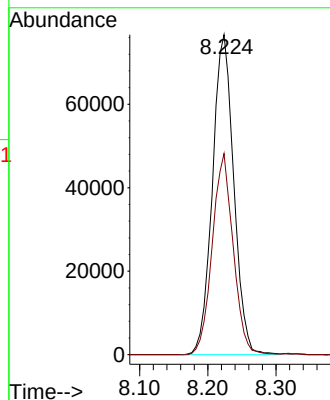
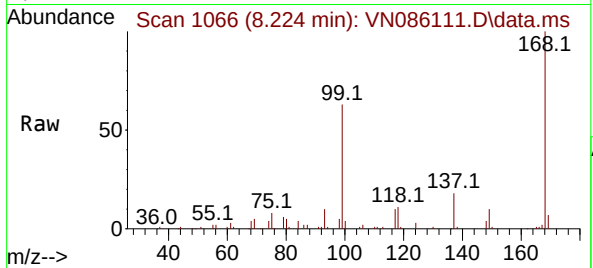




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

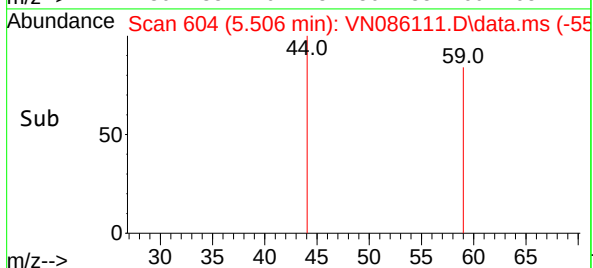
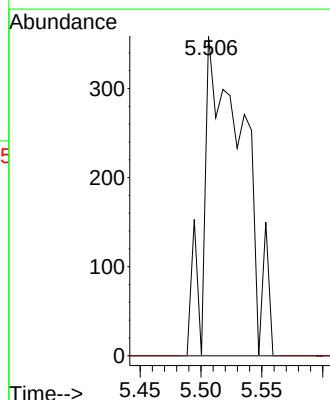
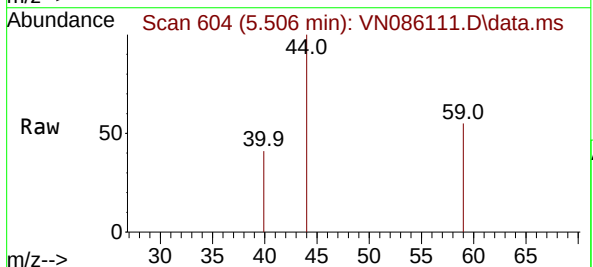
Instrument :
MSVOA_N
ClientSampleId :
CO-32-1

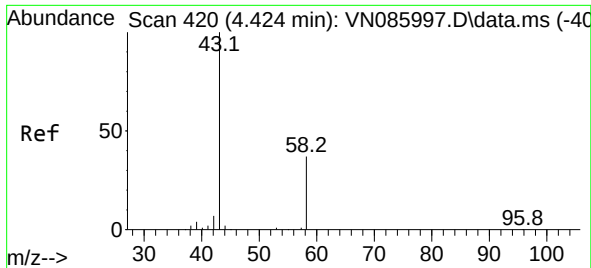
Tgt Ion:168 Resp: 166979
Ion Ratio Lower Upper
168 100
99 62.9 49.4 74.2



#11
Tert butyl alcohol
Concen: 2.484 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion: 59 Resp: 804
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

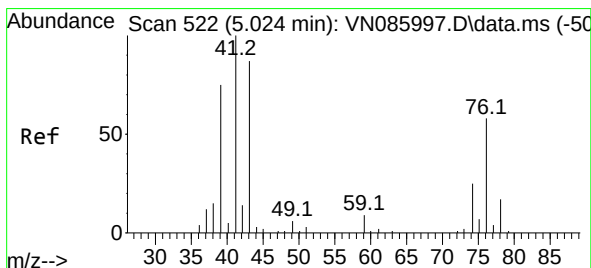
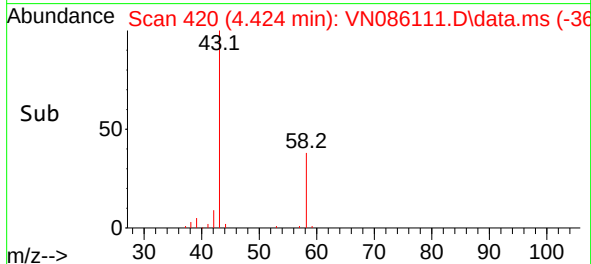
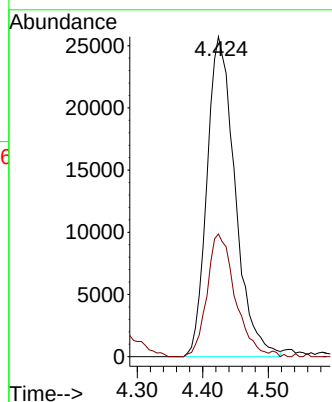
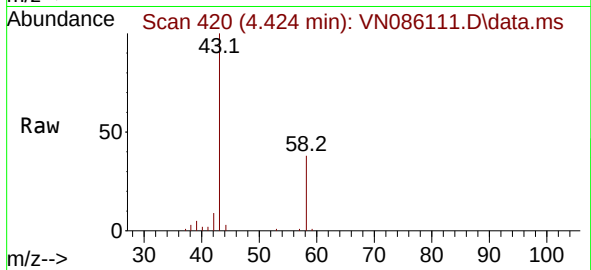




#16
Acetone
Concen: 109.693 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

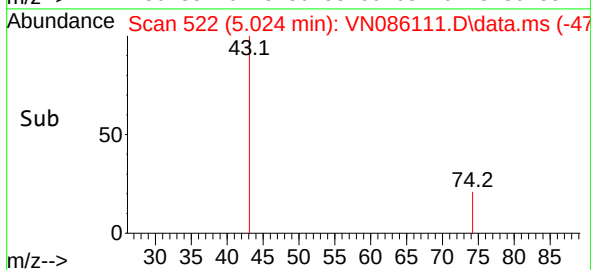
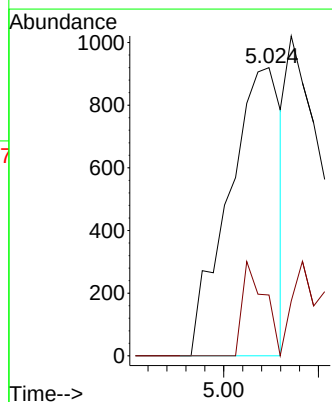
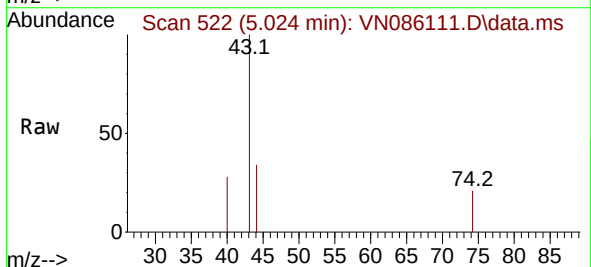
Instrument :
MSVOA_N
ClientSampleId :
CO-32-1

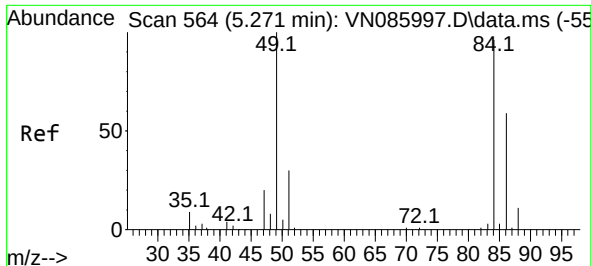
Tgt Ion: 43 Resp: 76626
Ion Ratio Lower Upper
43 100
58 38.3 29.4 44.2



#18
Methyl Acetate
Concen: 1.022 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion: 43 Resp: 1766
Ion Ratio Lower Upper
43 100
74 13.8 23.9 35.9#

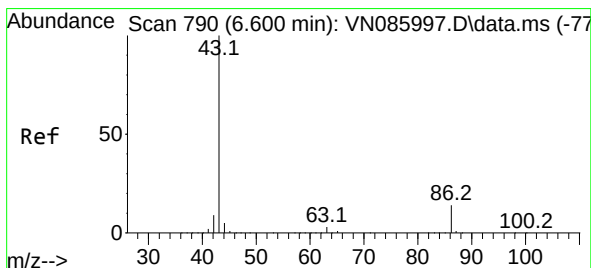
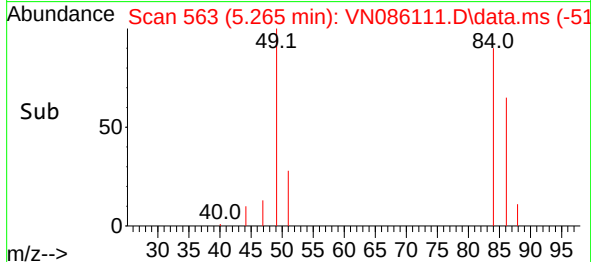
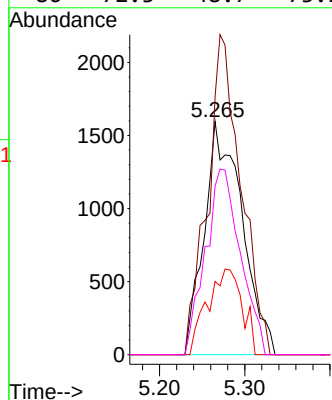
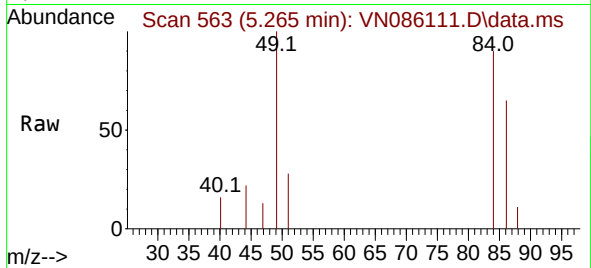




#20
Methylene Chloride
Concen: 2.397 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

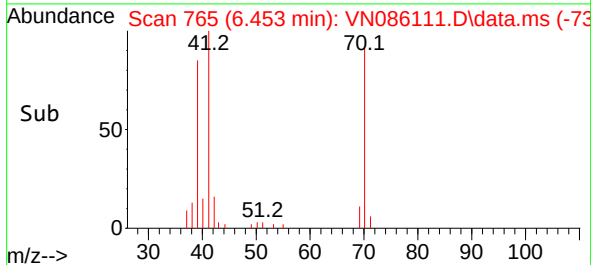
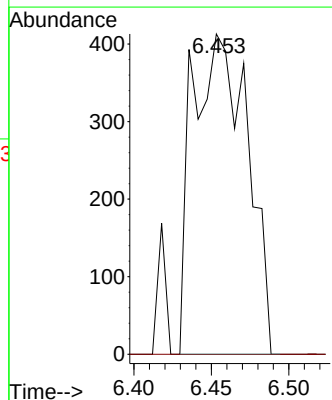
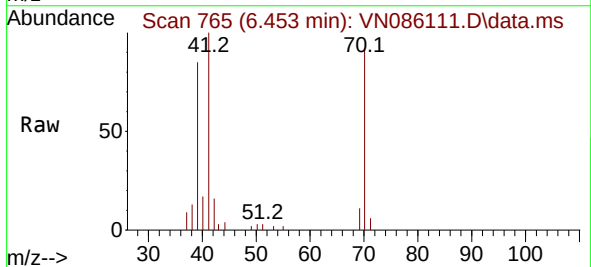
Instrument :
MSVOA_N
ClientSampleId :
CO-32-1

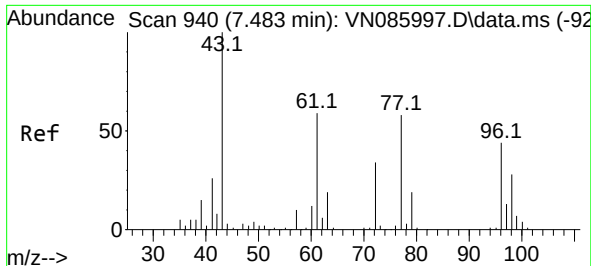
Tgt Ion:	84	Resp:	4898
Ion	Ratio	Lower	Upper
84	100		
49	110.6	83.3	124.9
51	31.4	24.8	37.2
86	72.3	48.7	73.1



#23
Vinyl Acetate
Concen: 0.294 ug/l
RT: 6.453 min Scan# 765
Delta R.T. -0.147 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion:	43	Resp:	1014
Ion	Ratio	Lower	Upper
43	100		
86	0.0	11.2	16.8#

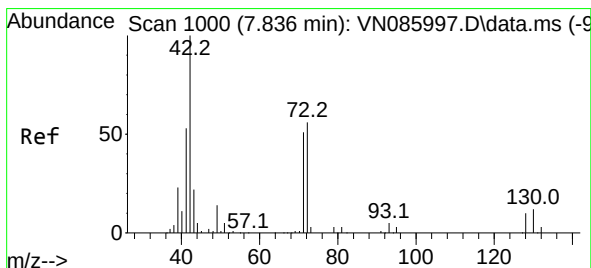
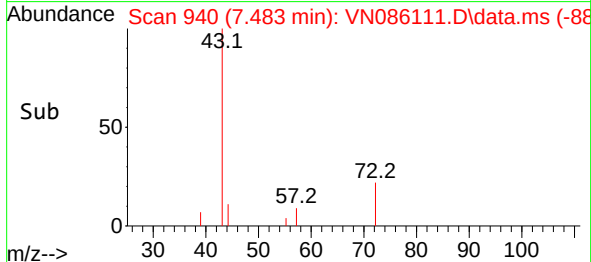
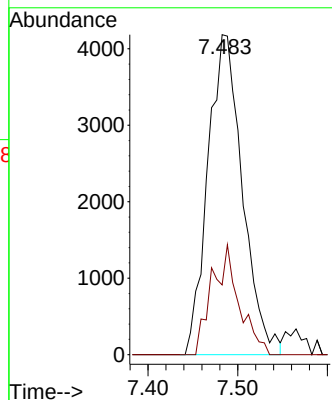
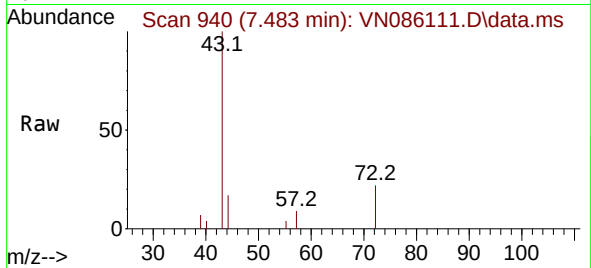




#25
2-Butanone
Concen: 11.110 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

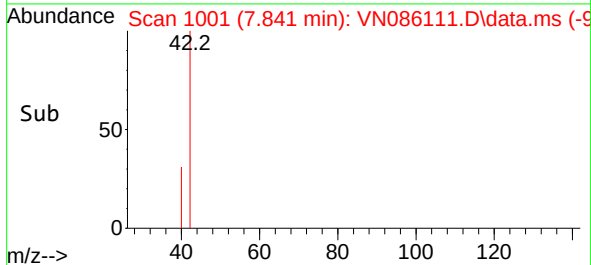
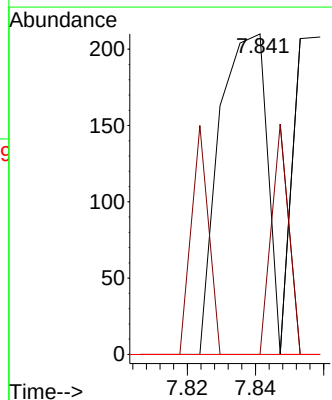
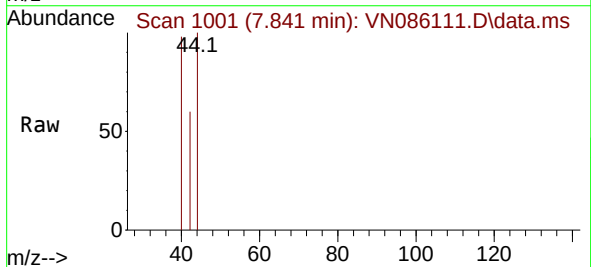
Instrument :
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ClientSampleId :
CO-32-1

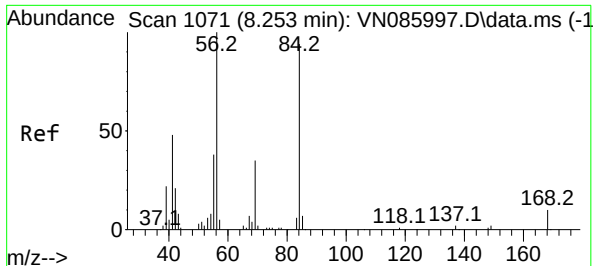
Tgt Ion: 43 Resp: 11198
Ion Ratio Lower Upper
43 100
72 21.8 27.4 41.0#



#29
Tetrahydrofuran
Concen: 0.328 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

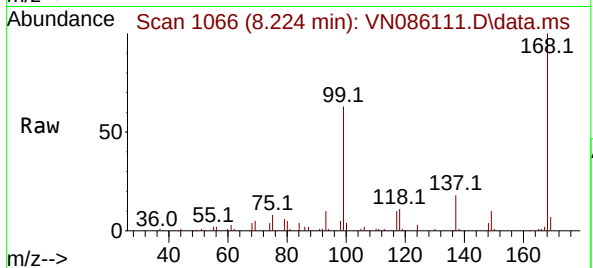
Tgt Ion: 42 Resp: 204
Ion Ratio Lower Upper
42 100
72 26.0 45.0 67.4#
71 0.0 41.9 62.9#



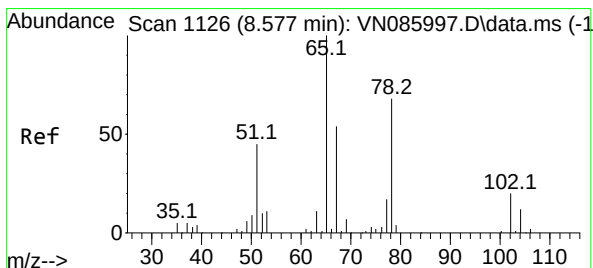
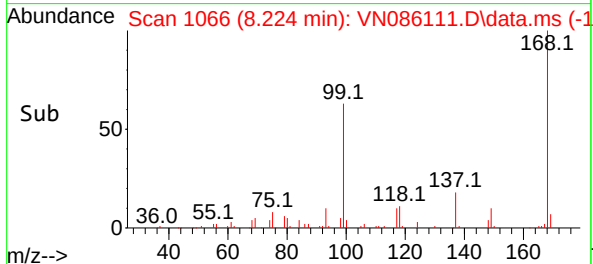
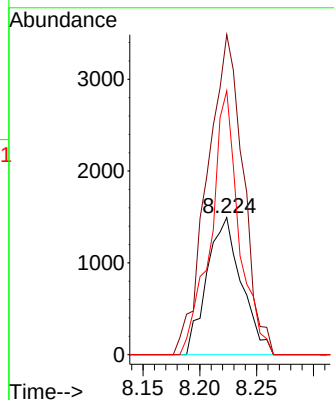


#31
Cyclohexane
Concen: 1.113 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Instrument :
MSVOA_N
ClientSampleId :
CO-32-1

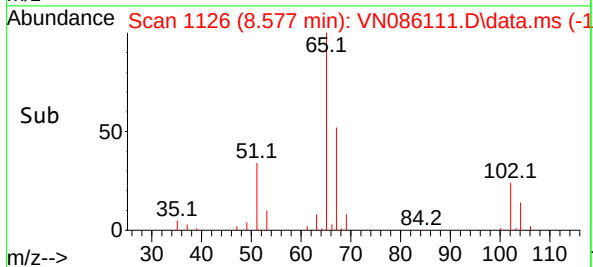
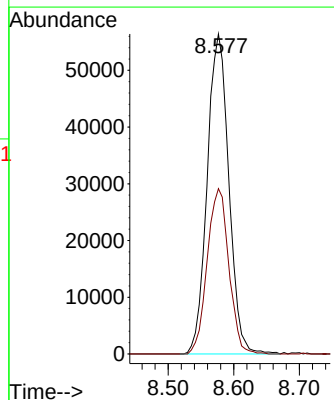
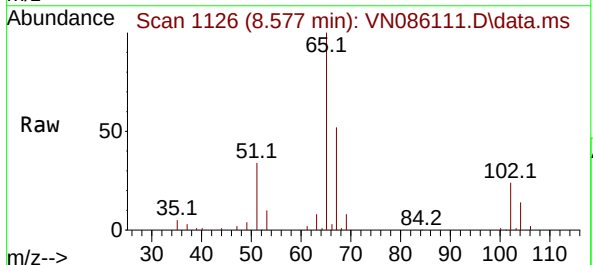


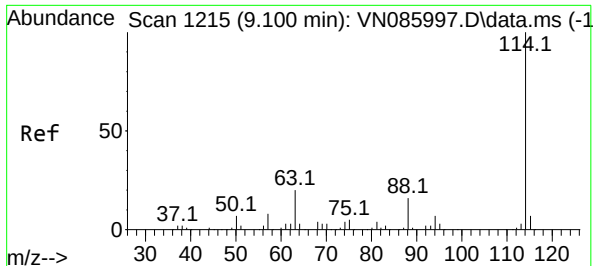
Tgt Ion: 56 Resp: 3170
Ion Ratio Lower Upper
56 100
69 233.3 28.0 42.0#
84 192.4 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 56.517 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion: 65 Resp: 129226
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.2

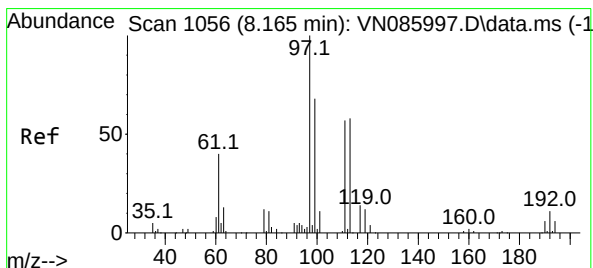
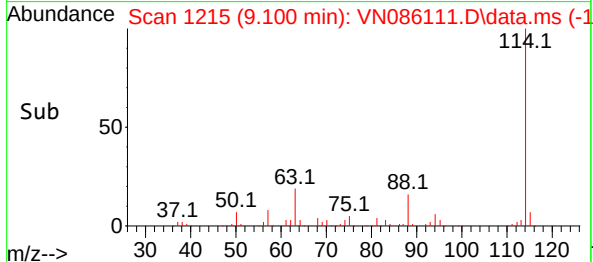
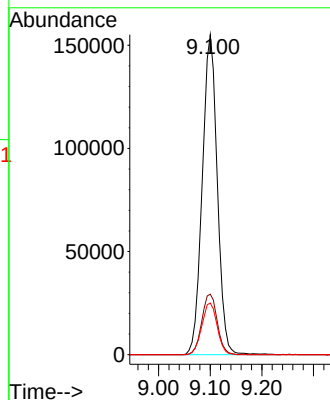
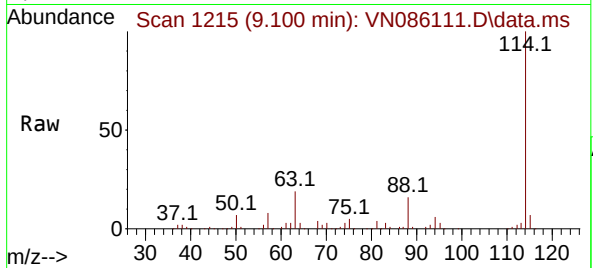




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

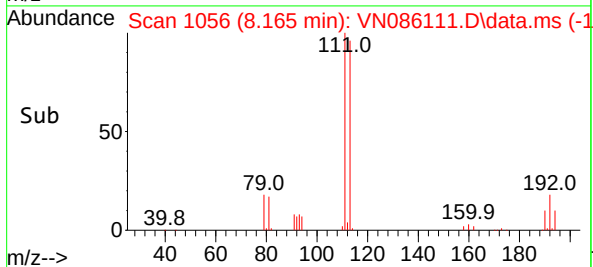
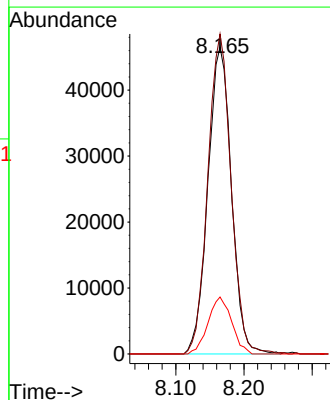
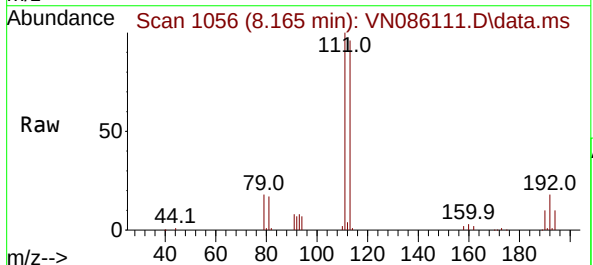
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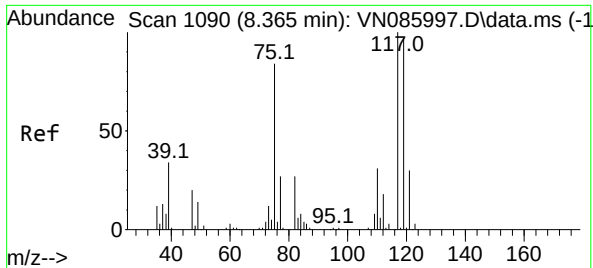
Tgt Ion:114 Resp: 313069
Ion Ratio Lower Upper
114 100
63 18.9 0.0 39.6
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.220 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion:113 Resp: 111924
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 18.5 15.9 23.9

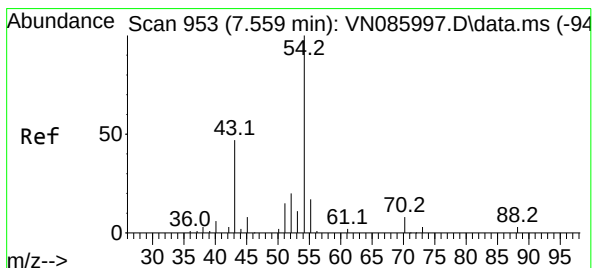
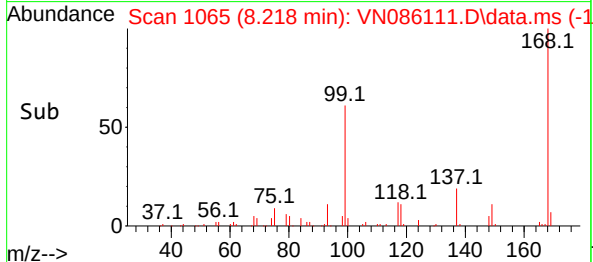
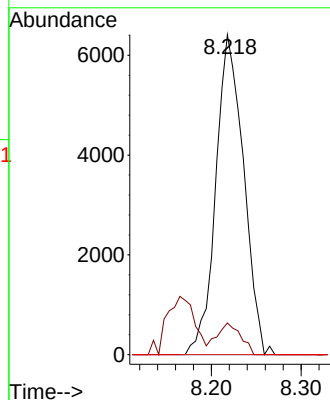
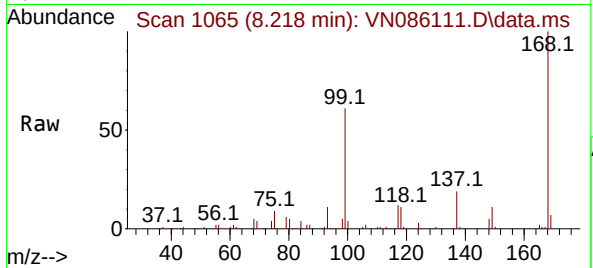




#36
1,1-Dichloropropene
Concen: 4.795 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

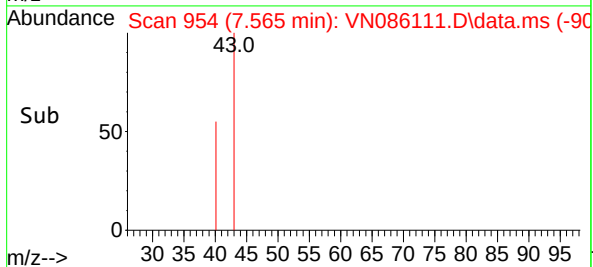
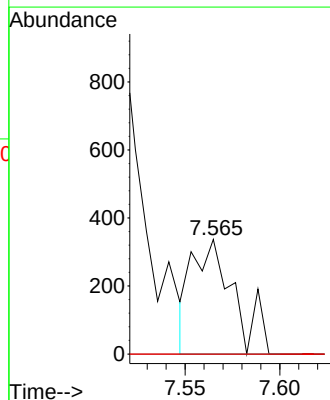
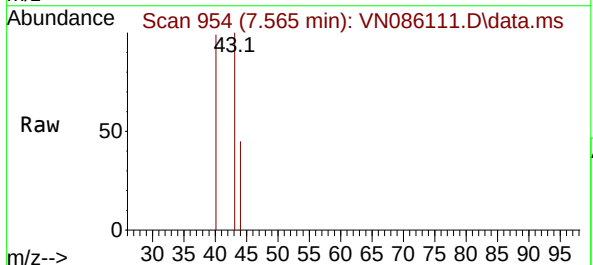
Instrument :
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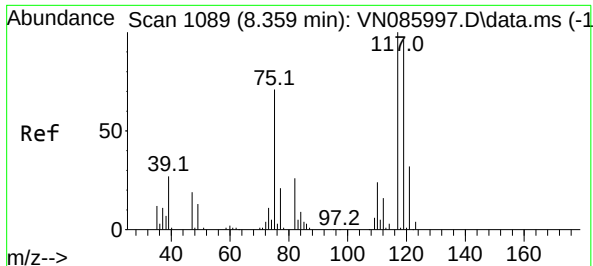
Tgt Ion: 75 Resp: 13796
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.214 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#

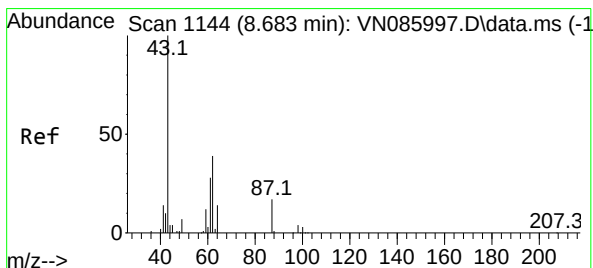
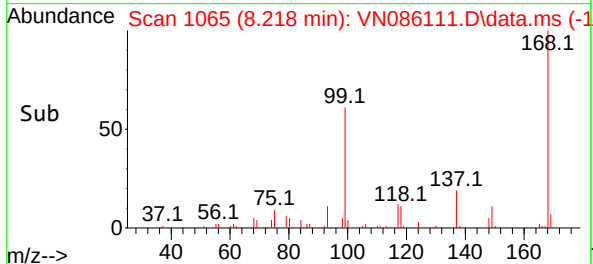
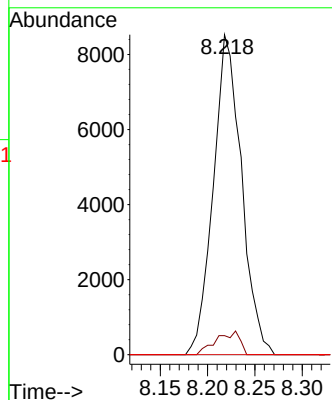
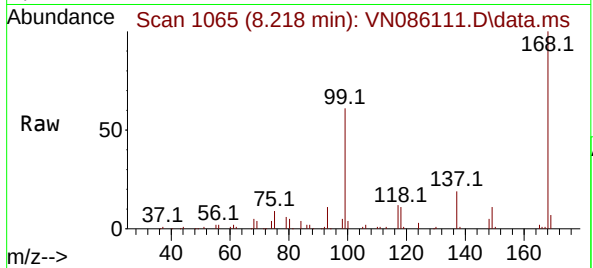




#38
Carbon Tetrachloride
Concen: 4.666 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

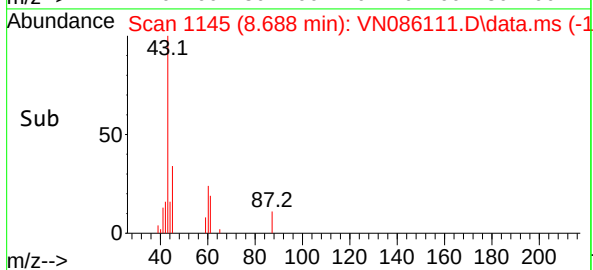
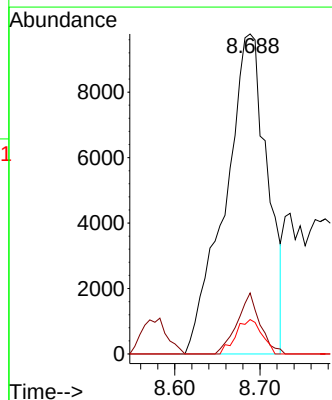
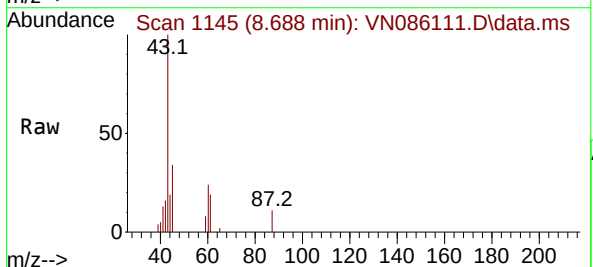
Instrument :
MSVOA_N
ClientSampleId :
CO-32-1

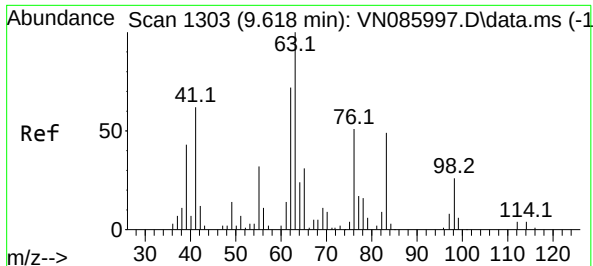
Tgt Ion:117 Resp: 17654
Ion Ratio Lower Upper
117 100
119 5.9 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 6.408 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion: 43 Resp: 33709
Ion Ratio Lower Upper
43 100
61 10.3 25.0 37.6#
87 6.6 13.0 19.4#





#45

1,2-Dichloropropane

Concen: 0.261 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN086111.D

Acq: 25 Mar 2025 19:28

Instrument :

MSVOA_N

ClientSampleId :

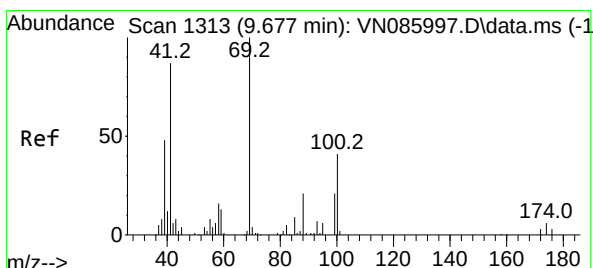
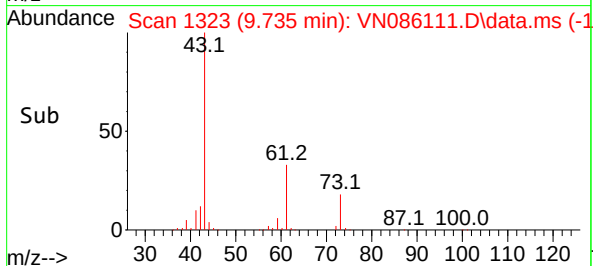
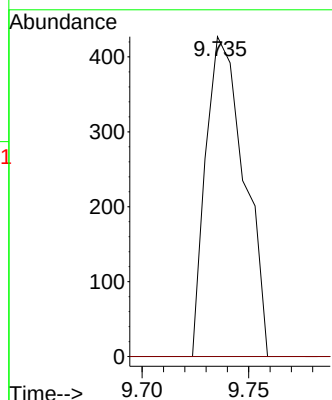
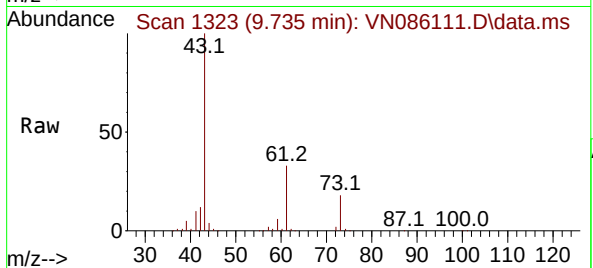
CO-32-1

Tgt Ion: 63 Resp: 536

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 24.912 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN086111.D

Acq: 25 Mar 2025 19:28

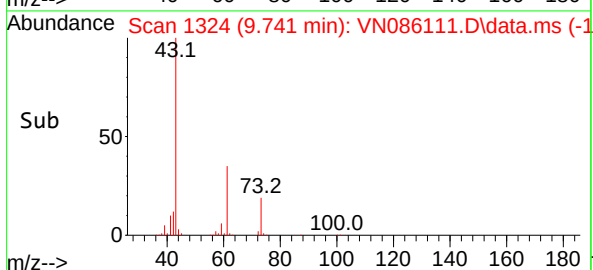
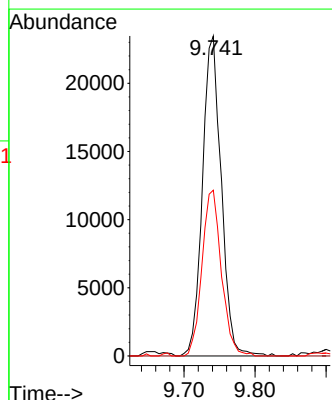
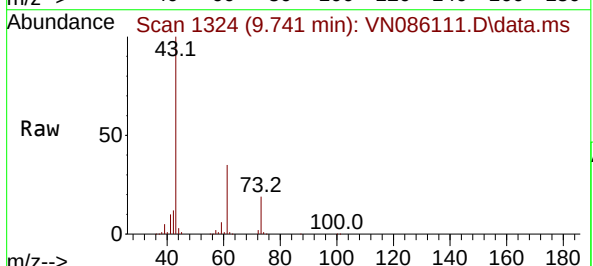
Tgt Ion: 41 Resp: 43243

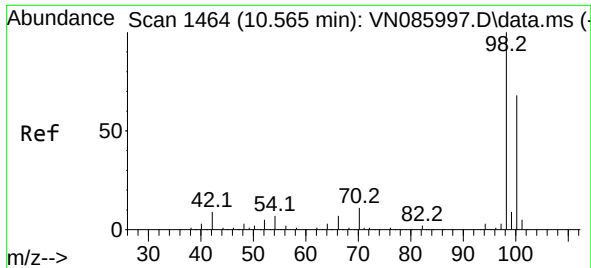
Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 53.6 45.6 68.4

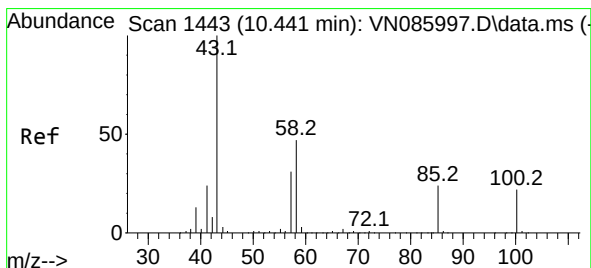
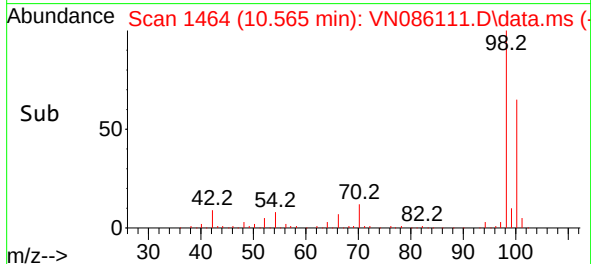
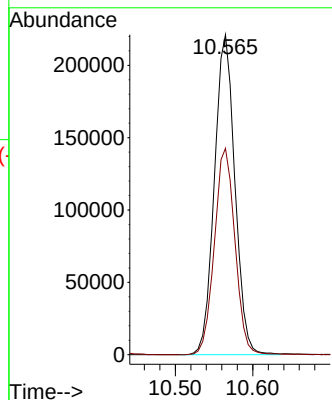
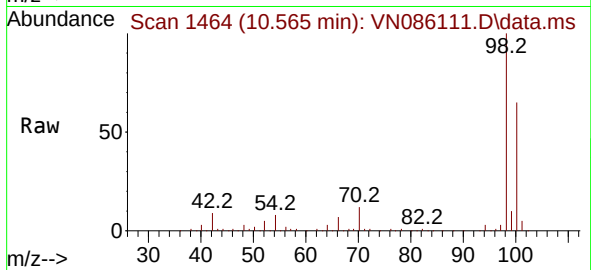




#50
Toluene-d8
Concen: 51.182 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

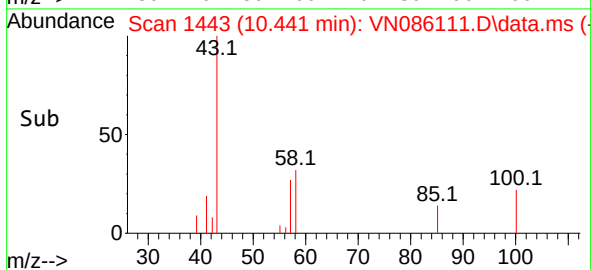
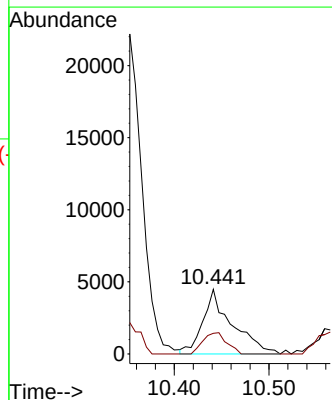
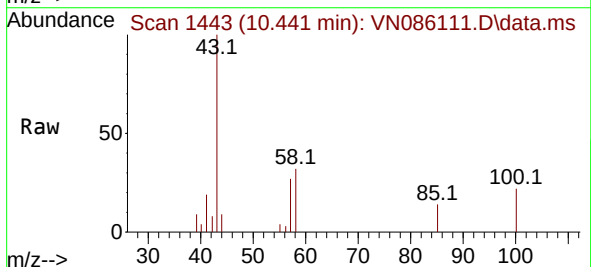
Instrument :
MSVOA_N
ClientSampleId :
CO-32-1

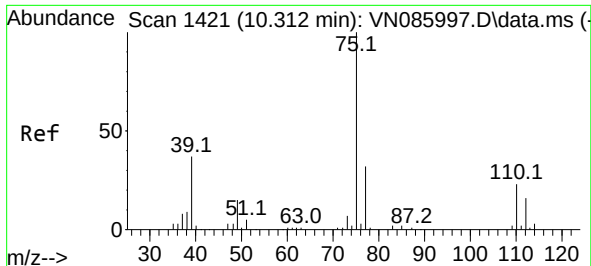
Tgt Ion: 98 Resp: 405905
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 4.140 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion: 43 Resp: 9604
Ion Ratio Lower Upper
43 100
58 26.7 37.4 56.0#

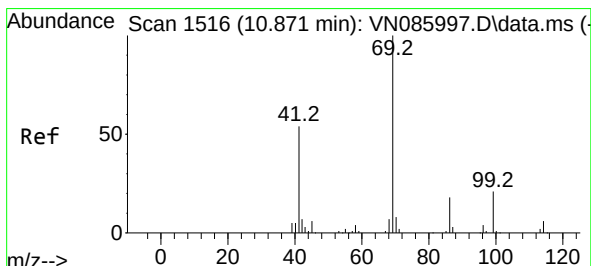
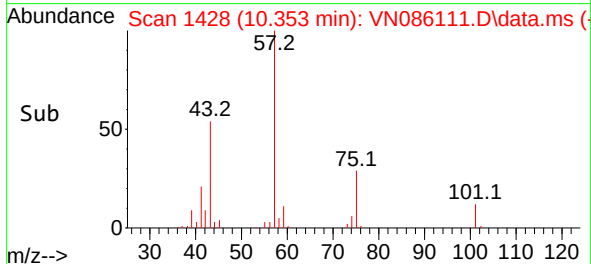
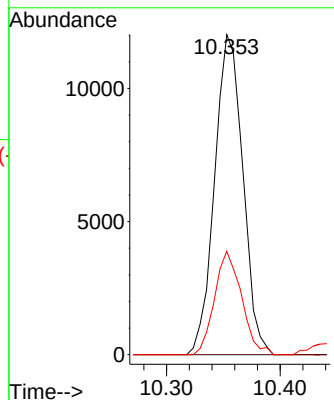
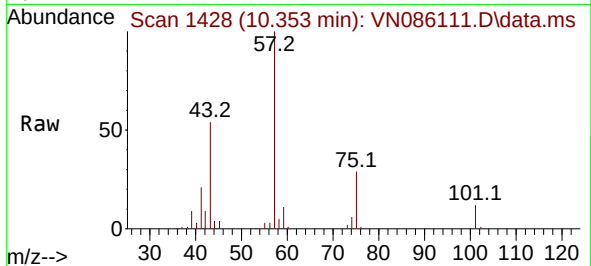




#54
 cis-1,3-Dichloropropene
 Concen: 5.999 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN086111.D
 Acq: 25 Mar 2025 19:28

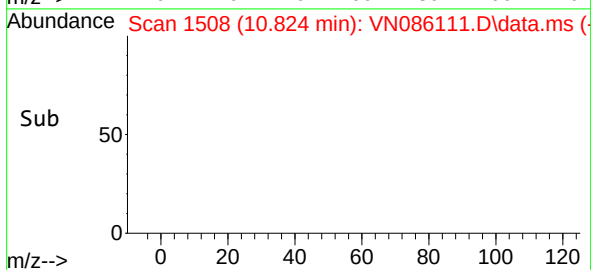
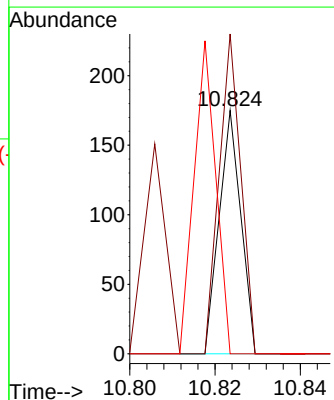
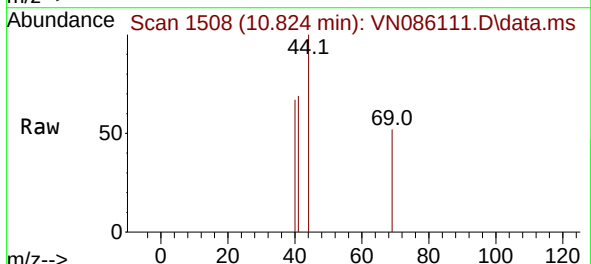
Instrument :
 MSVOA_N
 ClientSampleId :
 CO-32-1

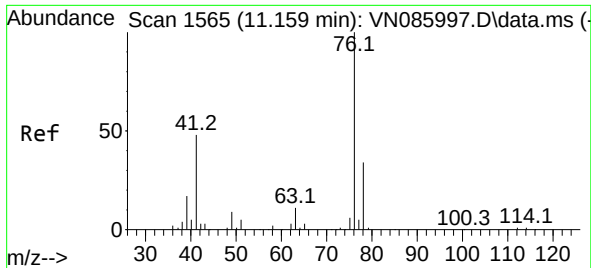
Tgt Ion: 75 Resp: 20756
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 32.3 29.6 44.4



#56
 Ethyl methacrylate
 Concen: 0.210 ug/l
 RT: 10.824 min Scan# 1508
 Delta R.T. -0.047 min
 Lab File: VN086111.D
 Acq: 25 Mar 2025 19:28

Tgt Ion: 69 Resp: 62
 Ion Ratio Lower Upper
 69 100
 41 0.0 41.6 62.4#
 39 0.0 21.8 32.8#





#57

1,3-Dichloropropane

Concen: 0.534 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN086111.D

Acq: 25 Mar 2025 19:28

Instrument :

MSVOA_N

ClientSampleId :

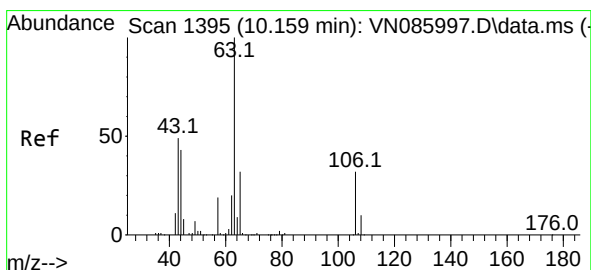
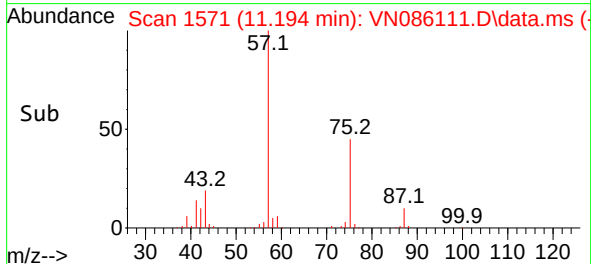
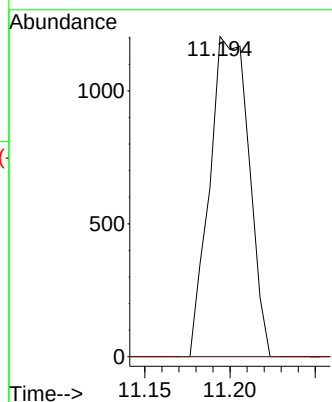
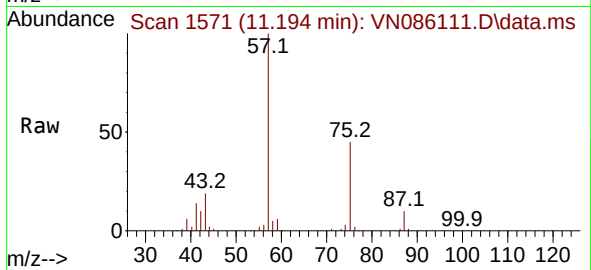
CO-32-1

Tgt Ion: 76 Resp: 1918

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#58

2-Chloroethyl Vinyl ether

Concen: 4.068 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN086111.D

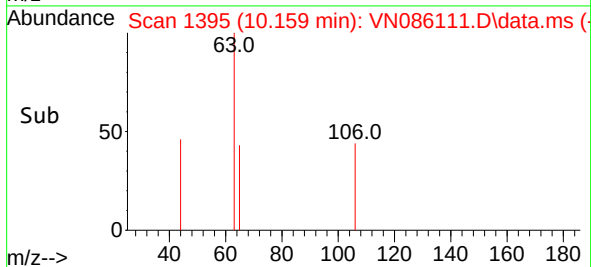
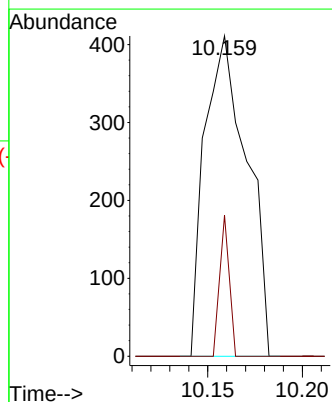
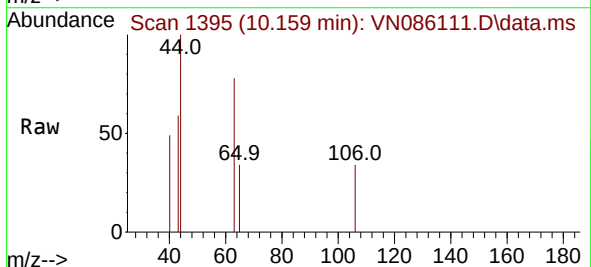
Acq: 25 Mar 2025 19:28

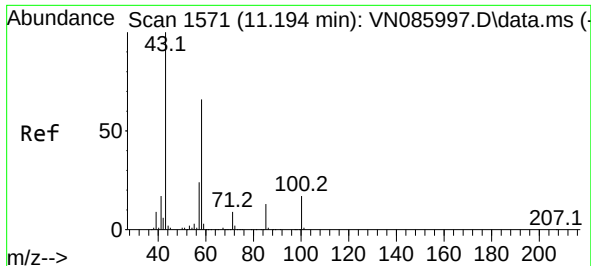
Tgt Ion: 63 Resp: 638

Ion Ratio Lower Upper

63 100

106 10.0 25.0 37.6#

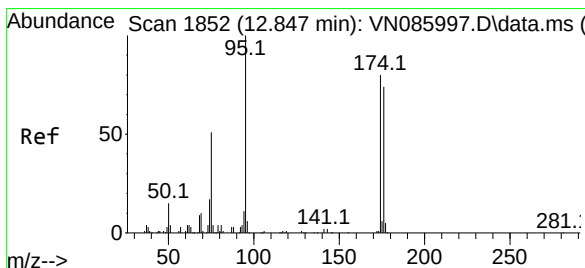
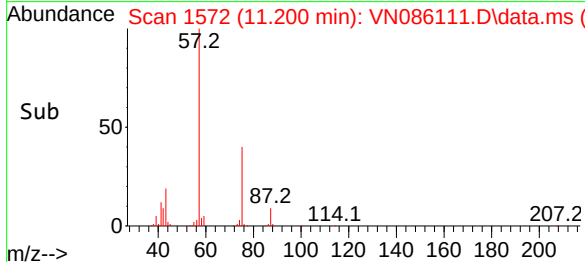
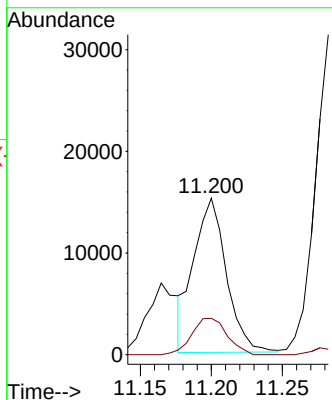
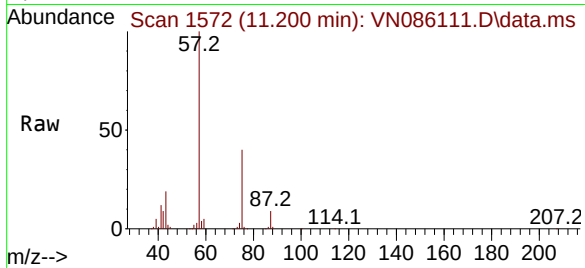




#59
2-Hexanone
Concen: 14.394 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

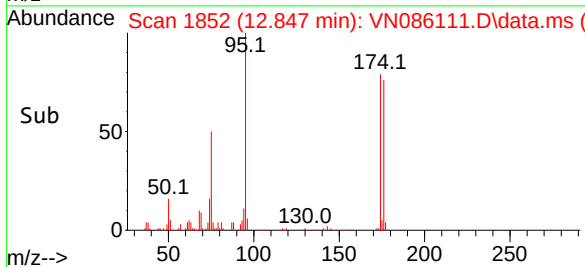
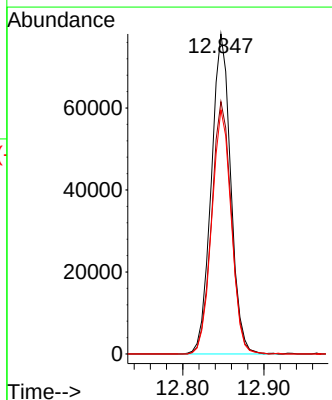
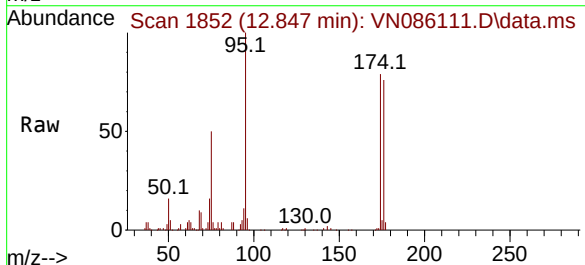
Instrument :
MSVOA_N
ClientSampleId :
CO-32-1

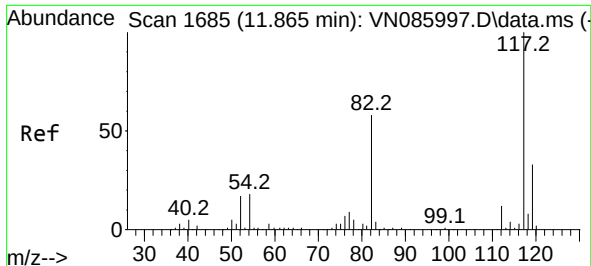
Tgt Ion: 43 Resp: 24325
Ion Ratio Lower Upper
43 100
58 25.4 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 46.004 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion: 95 Resp: 130113
Ion Ratio Lower Upper
95 100
174 80.3 0.0 156.8
176 76.4 0.0 152.2

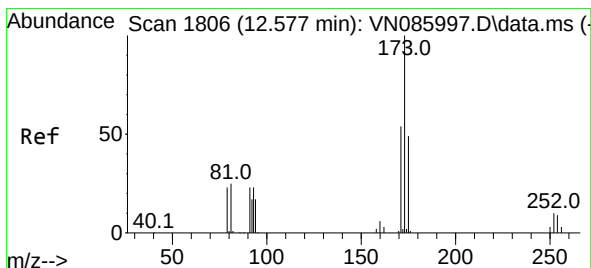
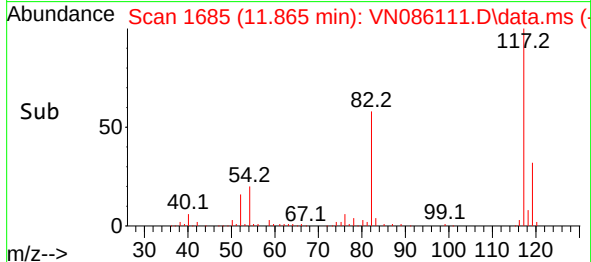
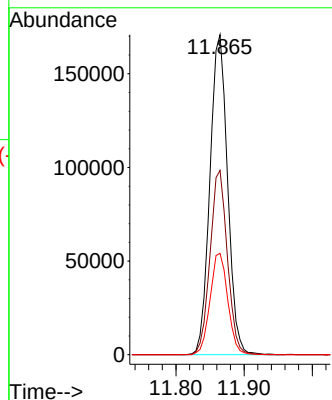
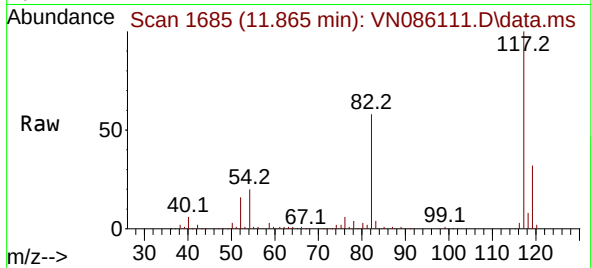




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

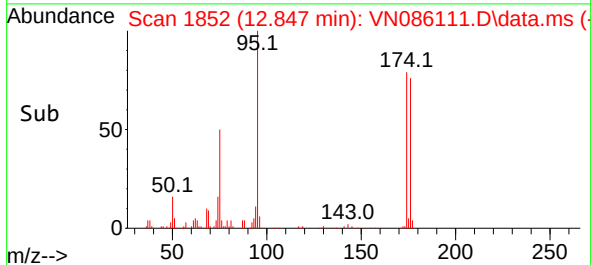
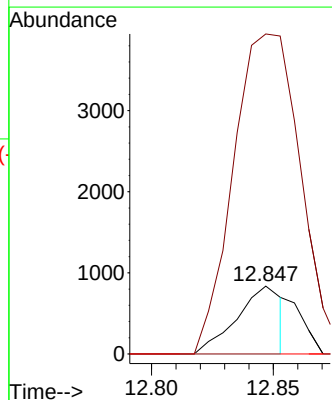
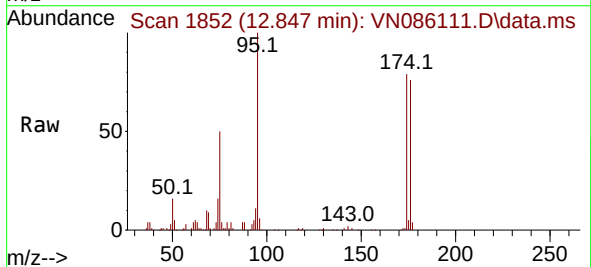
Instrument :
MSVOA_N
ClientSampleId :
CO-32-1

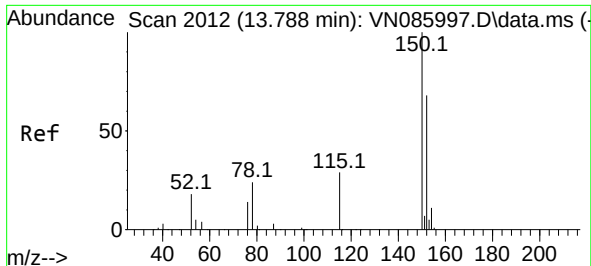
Tgt Ion:117 Resp: 308081
Ion Ratio Lower Upper
117 100
82 57.6 46.7 70.1
119 31.6 26.5 39.7



#71
Bromoform
Concen: 0.494 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion:173 Resp: 1083
Ion Ratio Lower Upper
173 100
175 527.8 24.3 73.0#
254 0.0 0.0 0.0

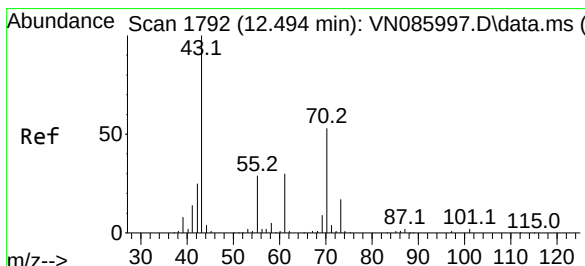
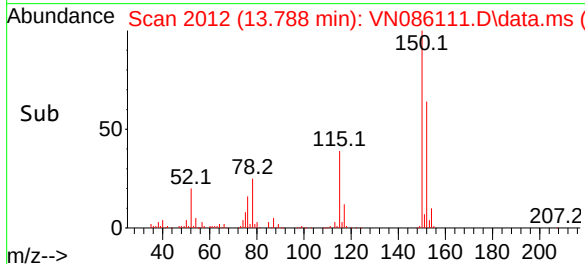
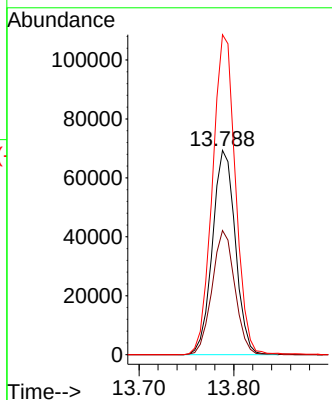
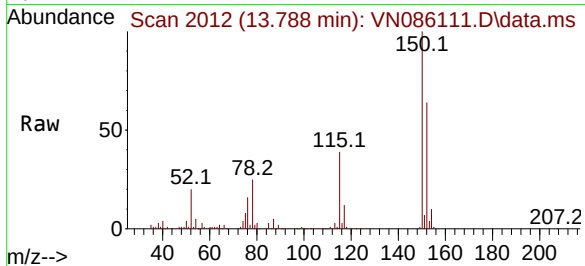




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086111.D
 Acq: 25 Mar 2025 19:28

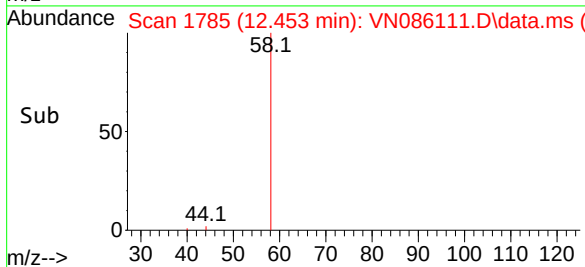
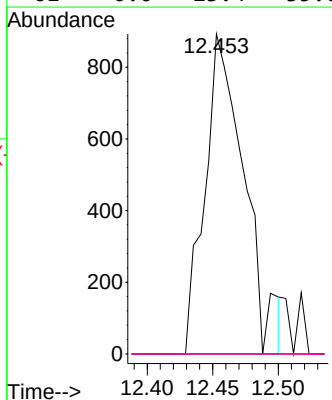
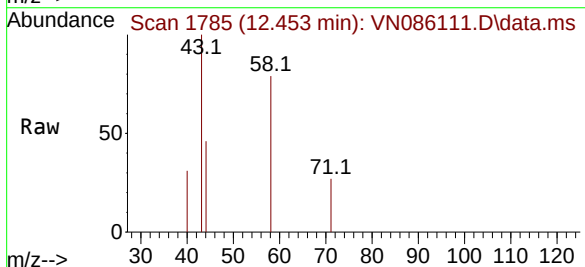
Instrument :
 MSVOA_N
 ClientSampleId :
 CO-32-1

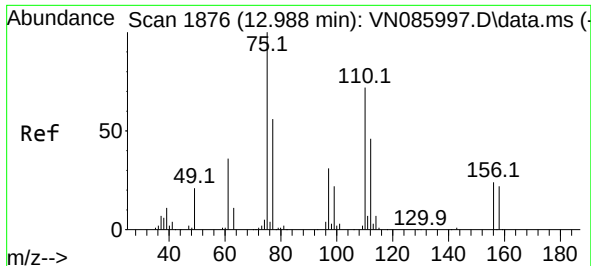
Tgt Ion:152 Resp: 116432
 Ion Ratio Lower Upper
 152 100
 115 60.6 31.1 93.2
 150 158.0 0.0 359.6



#74
 N-ethyl acetate
 Concen: 0.704 ug/l
 RT: 12.453 min Scan# 1785
 Delta R.T. -0.041 min
 Lab File: VN086111.D
 Acq: 25 Mar 2025 19:28

Tgt Ion: 43 Resp: 1873
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.0 64.4#
 55 0.0 23.8 35.8#
 61 0.0 23.4 35.0#

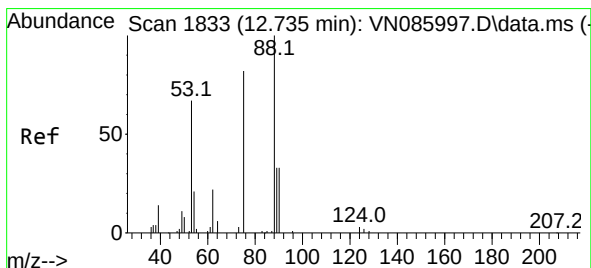
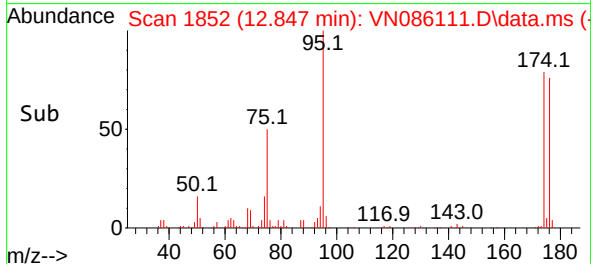
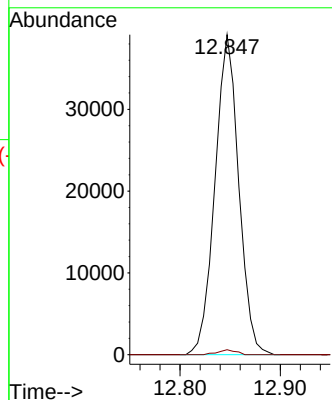
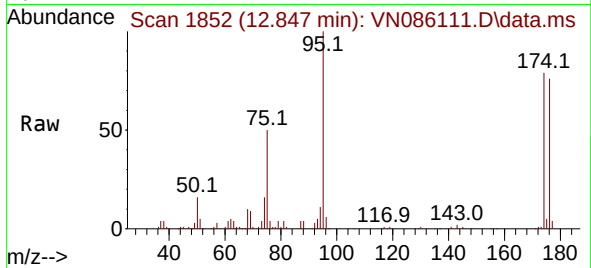




#76
1,2,3-Trichloropropane
Concen: 24.687 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Instrument :
MSVOA_N
ClientSampleId :
CO-32-1

Tgt Ion: 75 Resp: 64350
Ion Ratio Lower Upper
75 100
77 1.2 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.267 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion: 75 Resp: 64350
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#

