

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085600.D
 Acq On : 31 Jan 2025 14:27
 Operator : JC\MD
 Sample : PB166357ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

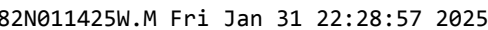
Instrument :
 MSVOA_N
 ClientSampleId :

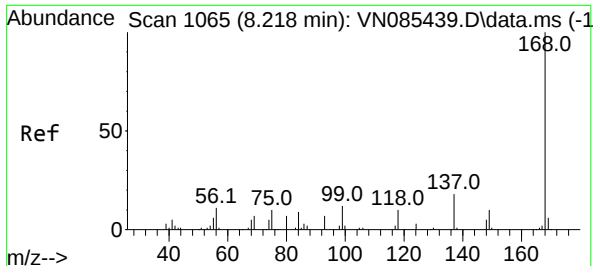
Quant Time: Jan 31 22:28:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	178308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	351666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160892	55.899	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	111.800%	
35) Dibromofluoromethane	8.165	113	121405	49.762	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.520%	
50) Toluene-d8	10.565	98	447884	51.670	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	103.340%	
62) 4-Bromofluorobenzene	12.847	95	135902	45.833	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	91.660%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	125	0.379	ug/l #	71
16) Acetone	4.436	43	30691	33.001	ug/l	97
18) Methyl Acetate	5.036	43	2890	1.022	ug/l #	70
20) Methylene Chloride	5.289	84	4507	1.958	ug/l #	74
25) 2-Butanone	7.494	43	5585	4.081	ug/l	99
28) Bromochloromethane	7.965	49	480	0.245	ug/l #	18
29) Tetrahydrofuran	7.853	42	616	0.710	ug/l #	43
30) Chloroform	7.965	83	6839	1.575	ug/l	94
31) Cyclohexane	8.224	56	5008	1.371	ug/l #	32
36) 1,1-Dichloropropene	8.224	75	16800	4.906	ug/l #	52
37) Ethyl Acetate	7.559	43	4081	1.181	ug/l #	81
38) Carbon Tetrachloride	8.230	117	19187	4.895	ug/l #	18
41) Methacrylonitrile	7.835	41	405	0.225	ug/l #	49
42) 1,2-Dichloroethane	8.671	62	1098	0.283	ug/l #	76
43) Isopropyl Acetate	8.688	43	196762	35.530	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	1909	0.726	ug/l #	43
48) Methyl methacrylate	9.735	41	149126	59.838	ug/l #	46
49) 1,4-Dioxane	9.729	88	58	1.382	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	5464	1.700	ug/l #	78
53) t-1,3-Dichloropropene	10.718	75	1061	0.291	ug/l	96
54) cis-1,3-Dichloropropene	10.359	75	47384	12.151	ug/l #	71
56) Ethyl methacrylate	10.976	69	2612	2.563	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7090	1.728	ug/l #	43
59) 2-Hexanone	11.200	43	85974	38.022	ug/l #	58
74) N-amyl acetate	12.482	43	1873	0.523	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	74517	31.038	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74517	83.976	ug/l #	3

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

Quant Time: Jan 31 22:28:46 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

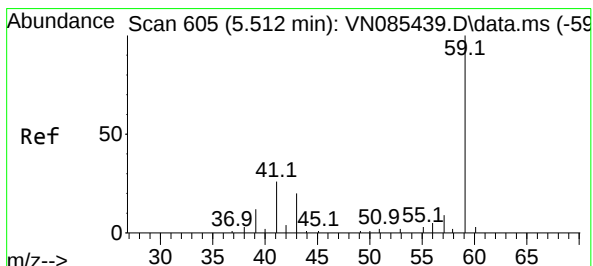
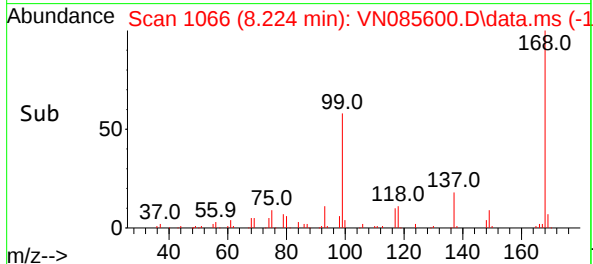
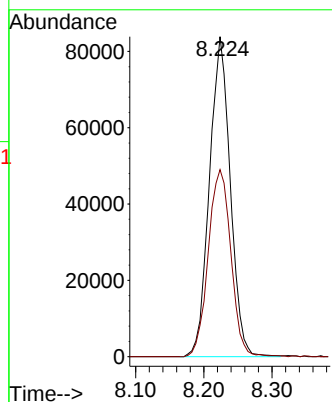
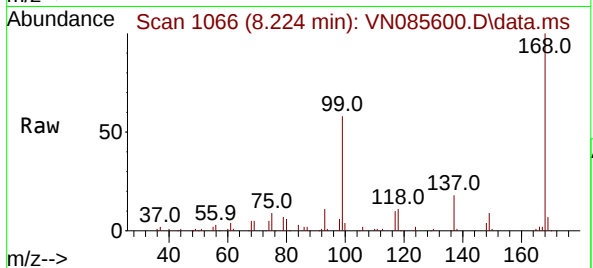




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

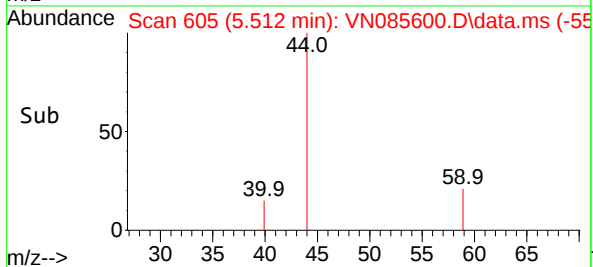
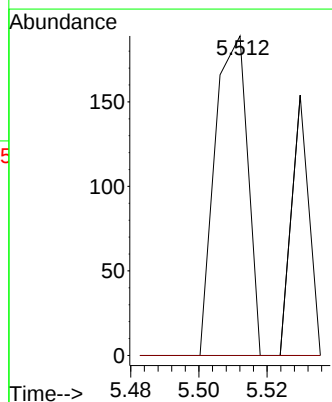
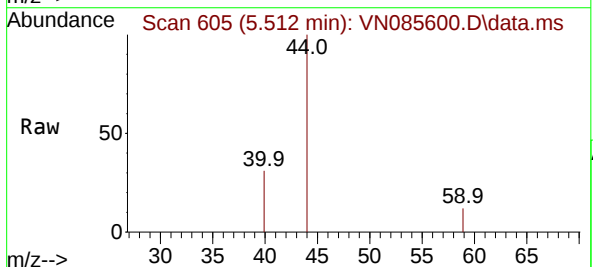
Instrument :
MSVOA_N
ClientSampleId :

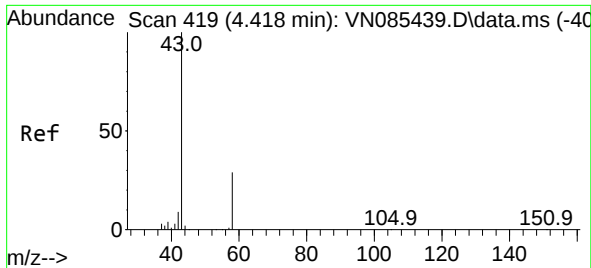
Tgt Ion:168 Resp: 178308
Ion Ratio Lower Upper
168 100
99 58.4 53.6 80.4



#11
Tert butyl alcohol
Concen: 0.379 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

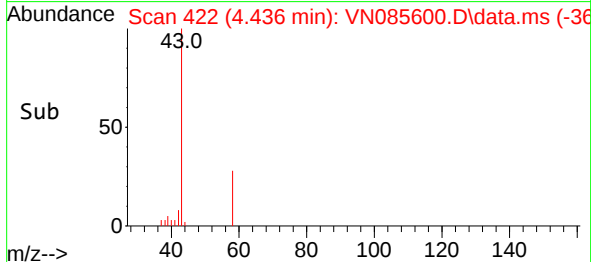
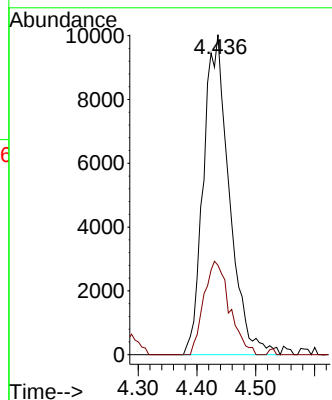
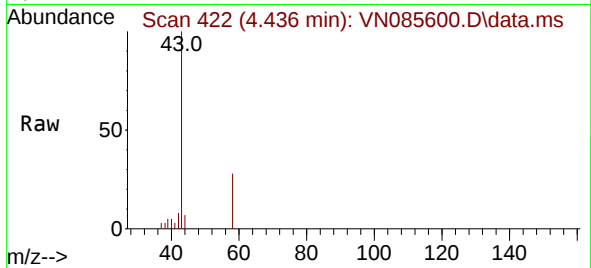




#16
Acetone
Concen: 33.001 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

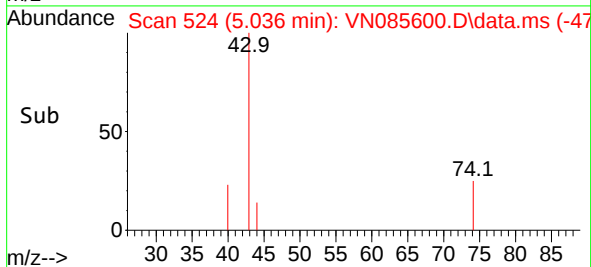
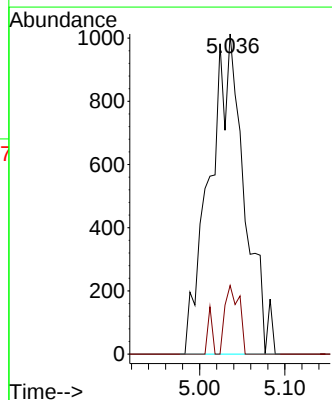
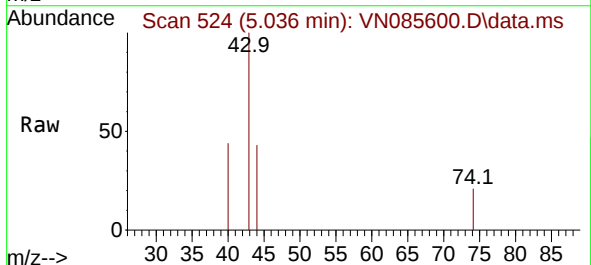
Instrument :
MSVOA_N
ClientSampleId :

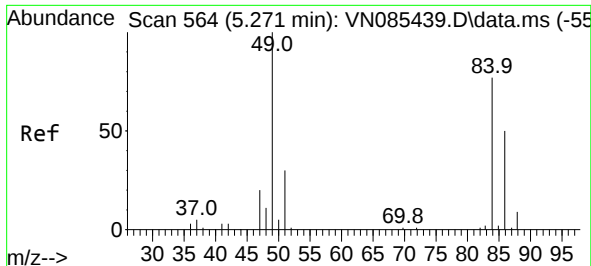
Tgt Ion: 43 Resp: 30691
Ion Ratio Lower Upper
43 100
58 27.9 23.8 35.6



#18
Methyl Acetate
Concen: 1.022 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

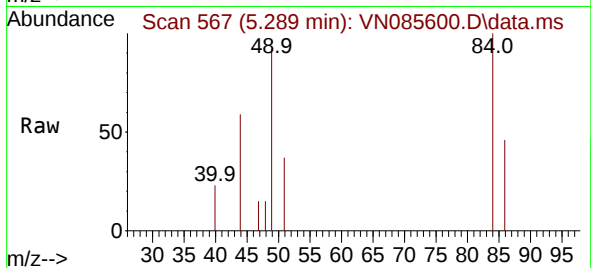
Tgt Ion: 43 Resp: 2890
Ion Ratio Lower Upper
43 100
74 8.7 18.6 28.0#



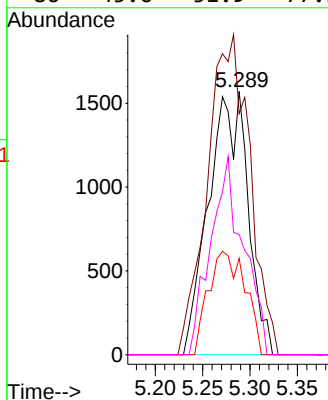
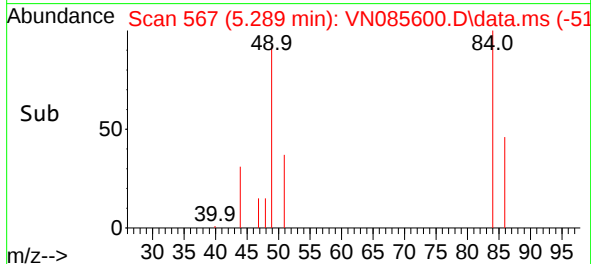


#20
Methylene Chloride
Concen: 1.958 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Instrument :
MSVOA_N
ClientSampleId :

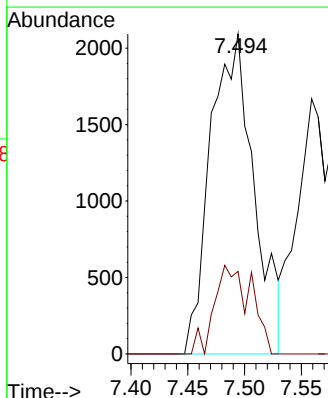
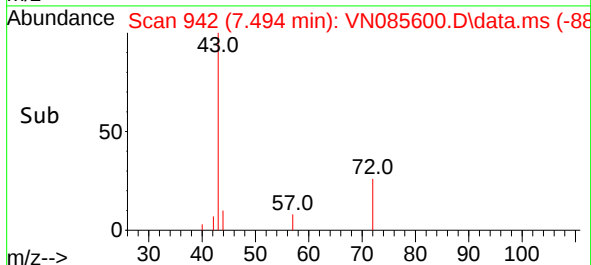
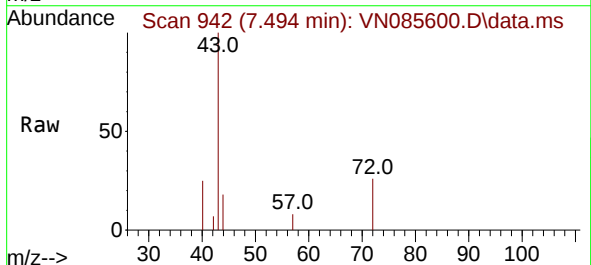


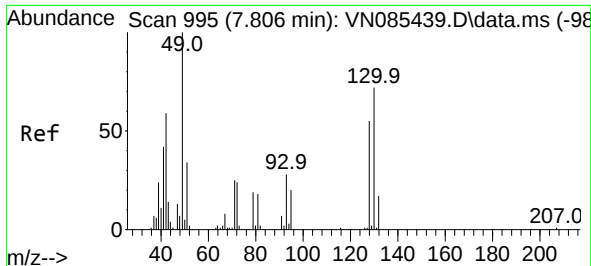
Tgt Ion: 84 Resp: 4507
Ion Ratio Lower Upper
84 100
49 91.7 104.1 156.1#
51 36.6 31.0 46.4
86 45.6 51.9 77.9#



#25
2-Butanone
Concen: 4.081 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

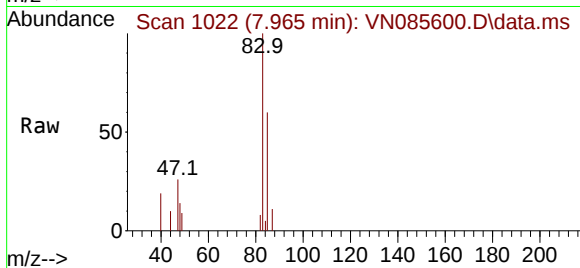
Tgt Ion: 43 Resp: 5585
Ion Ratio Lower Upper
43 100
72 25.8 20.2 30.4



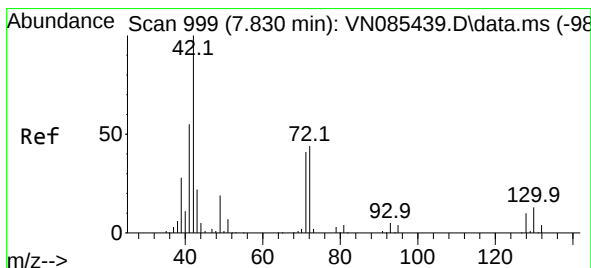
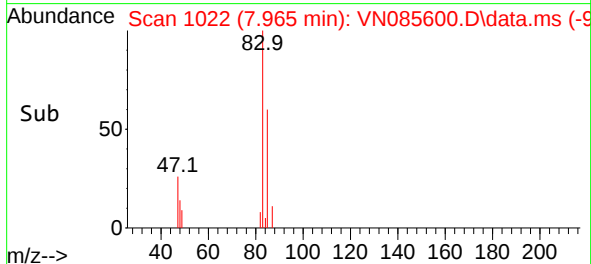
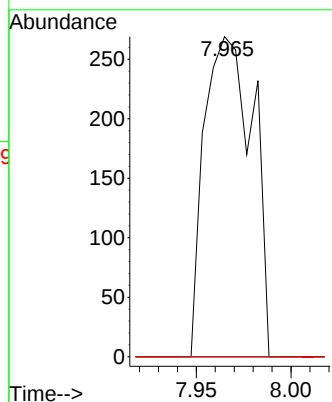


#28
Bromochloromethane
Concen: 0.245 ug/l
RT: 7.965 min Scan# 1000
Delta R.T. 0.159 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Instrument :
MSVOA_N
ClientSampleId :

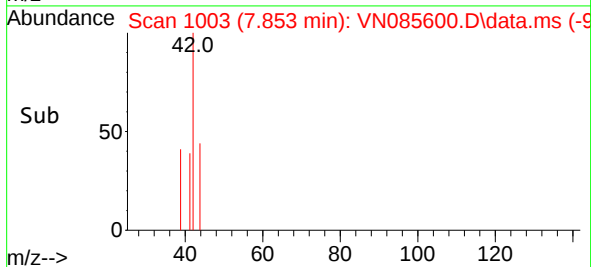
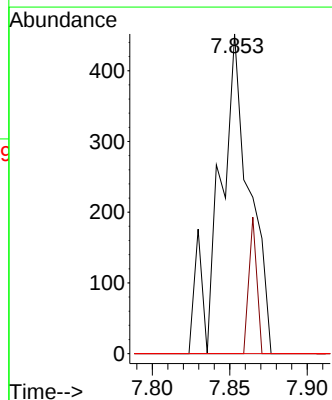
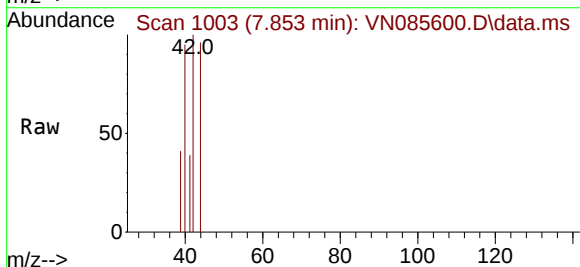


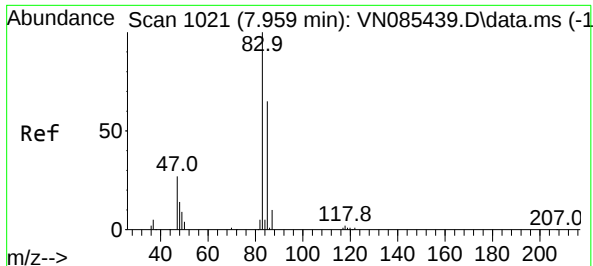
Tgt Ion: 49 Resp: 480
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 55.0 82.4#



#29
Tetrahydrofuran
Concen: 0.710 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.023 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Tgt Ion: 42 Resp: 616
Ion Ratio Lower Upper
42 100
72 11.0 34.2 51.2#
71 0.0 32.5 48.7#





#30

Chloroform

Concen: 1.575 ug/l

RT: 7.965 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN085600.D

Acq: 31 Jan 2025 14:27

Instrument :

MSVOA_N

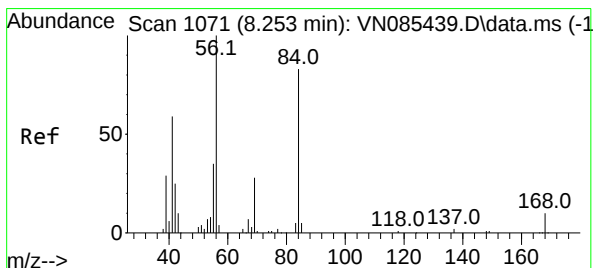
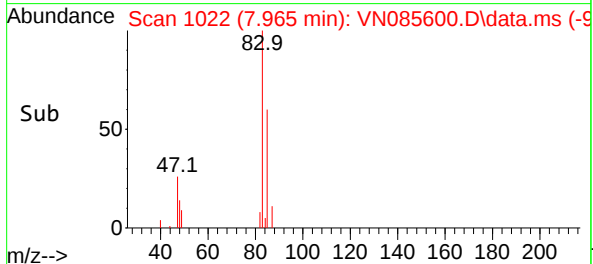
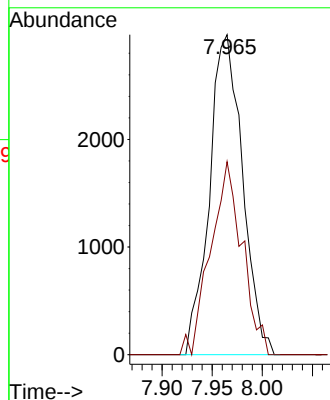
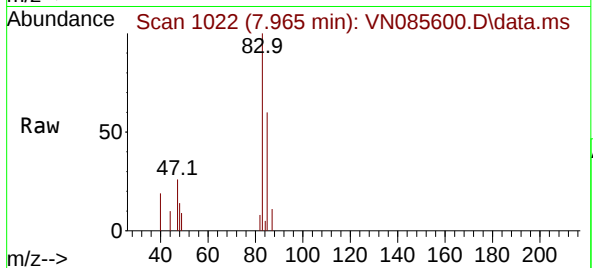
ClientSampleId :

Tgt Ion: 83 Resp: 6839

Ion Ratio Lower Upper

83 100

85 60.3 51.8 77.6



#31

Cyclohexane

Concen: 1.371 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN085600.D

Acq: 31 Jan 2025 14:27

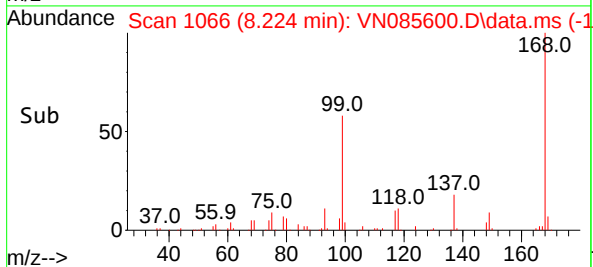
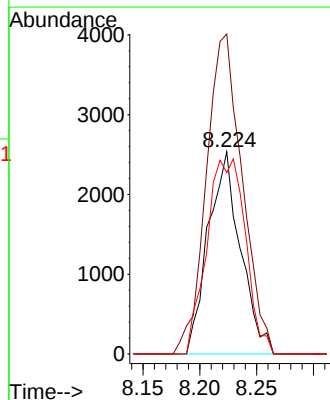
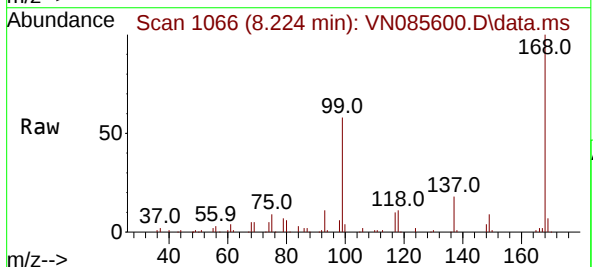
Tgt Ion: 56 Resp: 5008

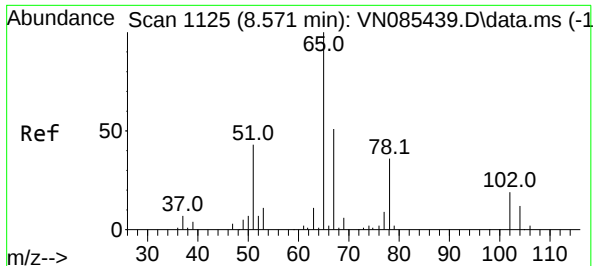
Ion Ratio Lower Upper

56 100

69 158.3 22.2 33.4#

84 89.7 66.4 99.6

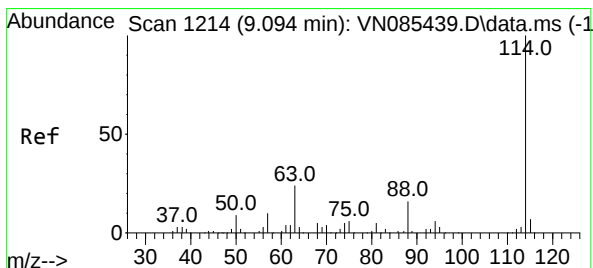
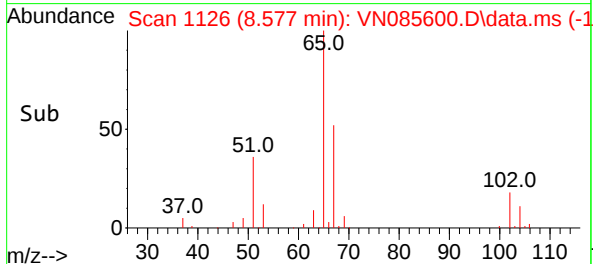
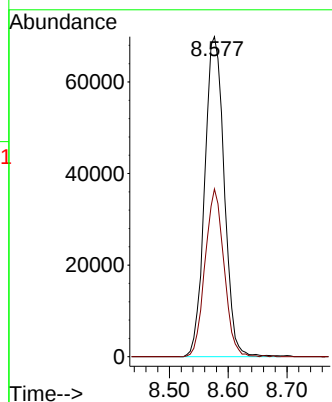
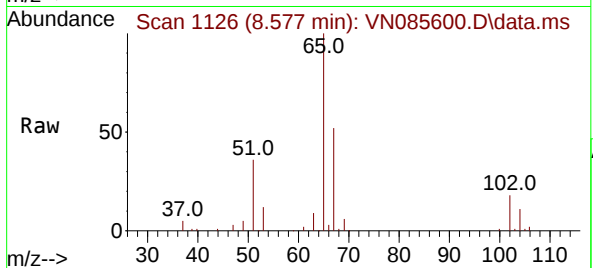




#33
1,2-Dichloroethane-d4
Concen: 55.899 ug/l
RT: 8.577 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

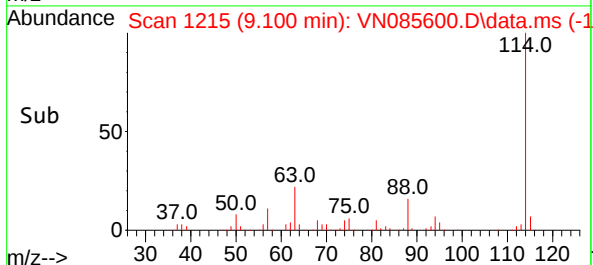
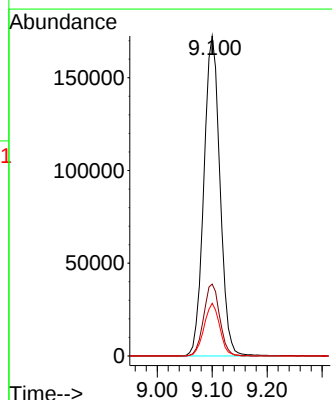
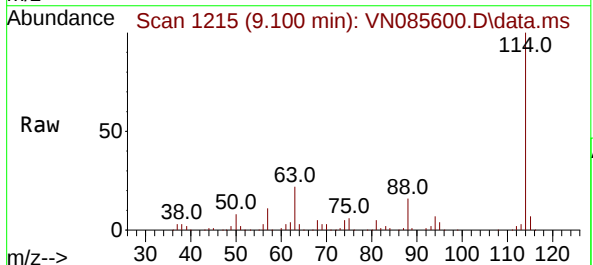
Instrument :
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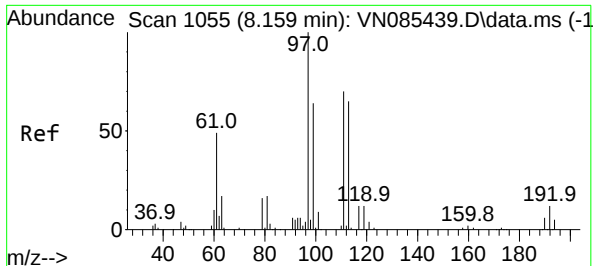
Tgt Ion: 65 Resp: 160892
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Tgt Ion: 114 Resp: 351666
Ion Ratio Lower Upper
114 100
63 22.5 0.0 47.6
88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.762 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

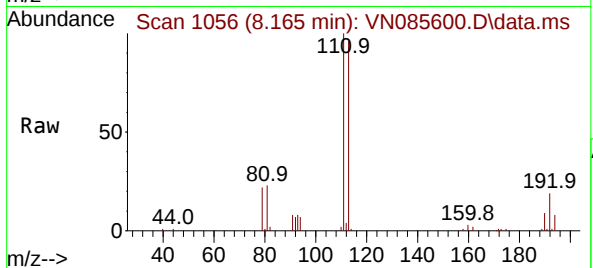
Lab File: VN085600.D

Acq: 31 Jan 2025 14:27

Instrument :

MSVOA_N

ClientSampleId :



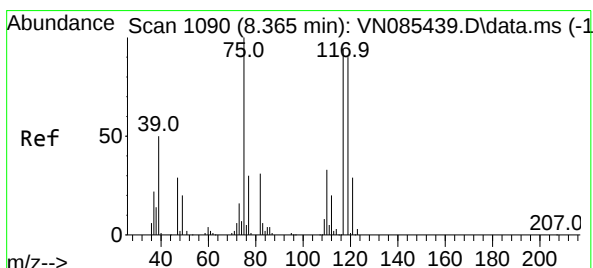
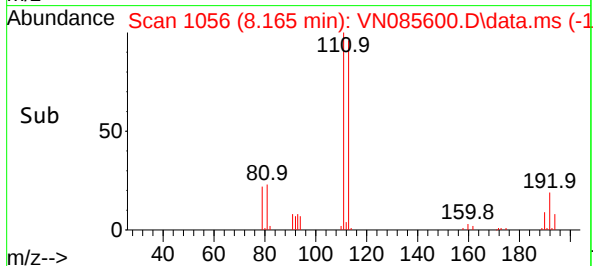
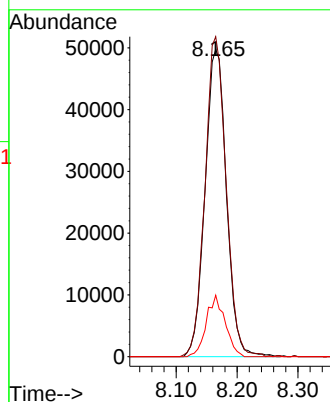
Tgt Ion:113 Resp: 121405

Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

192 17.6 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.906 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085600.D

Acq: 31 Jan 2025 14:27

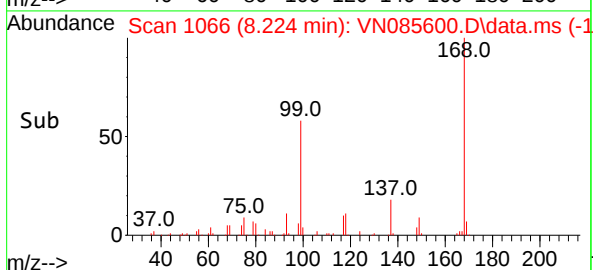
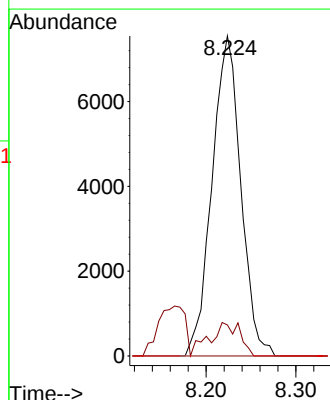
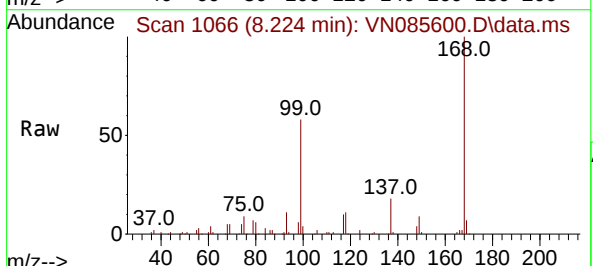
Tgt Ion: 75 Resp: 16800

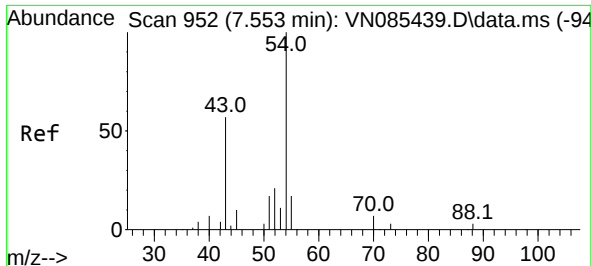
Ion Ratio Lower Upper

75 100

110 9.6 16.5 49.5#

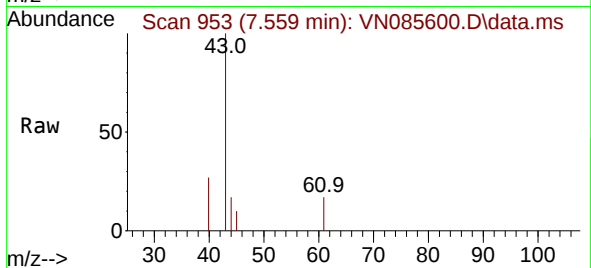
77 0.0 24.4 36.6#



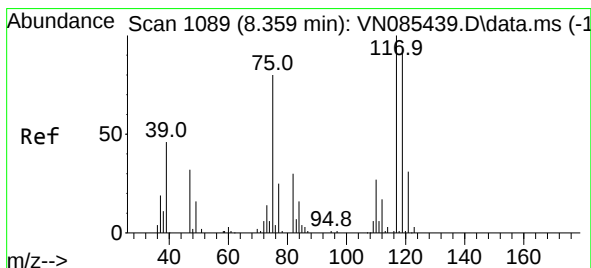
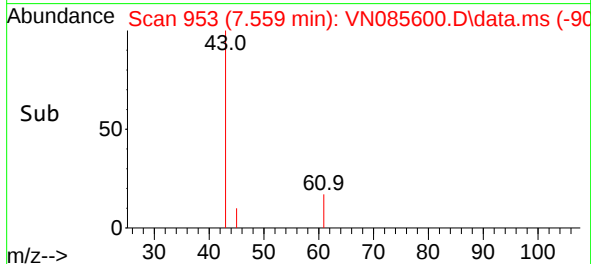
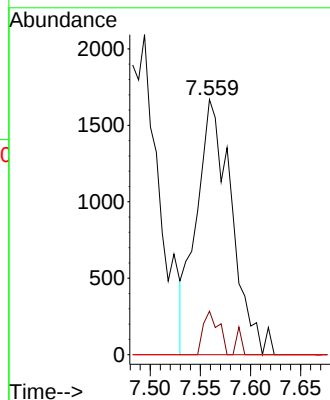


#37
Ethyl Acetate
Concen: 1.181 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Instrument :
MSVOA_N
ClientSampleId :

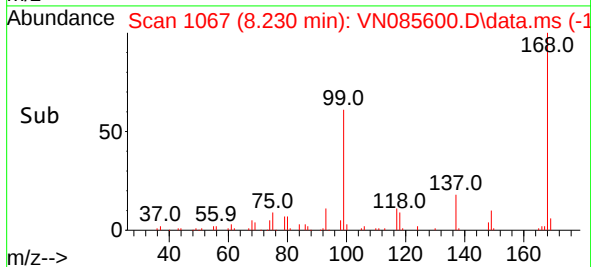
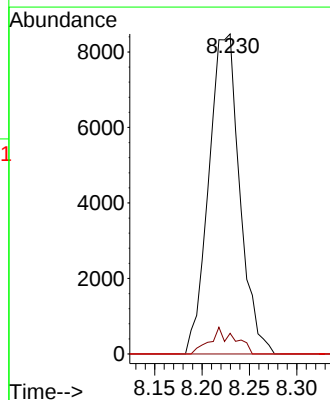
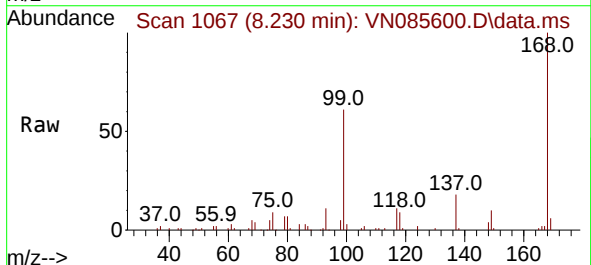


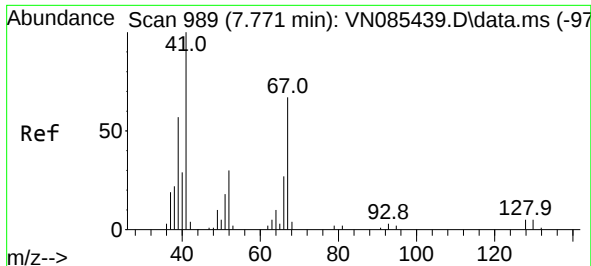
Tgt Ion: 43 Resp: 4081
Ion Ratio Lower Upper
43 100
61 7.5 10.9 16.3#
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 4.895 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

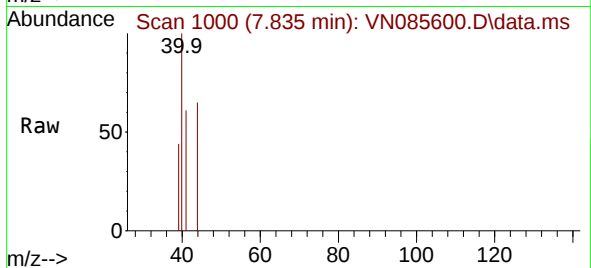
Tgt Ion: 117 Resp: 19187
Ion Ratio Lower Upper
117 100
119 6.5 75.4 113.2#
121 0.0 24.6 37.0#



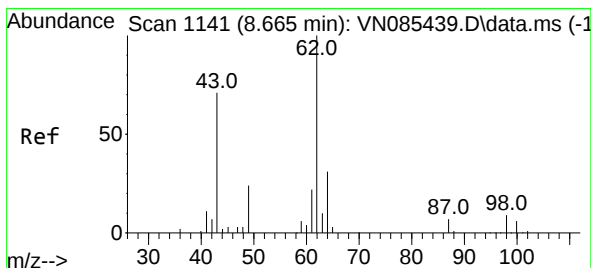
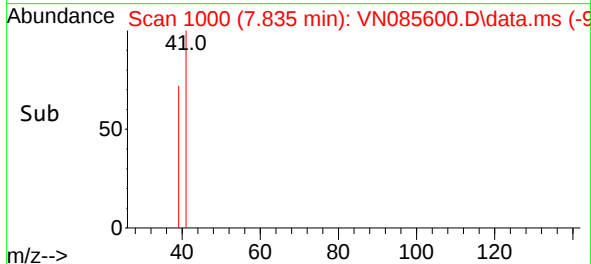
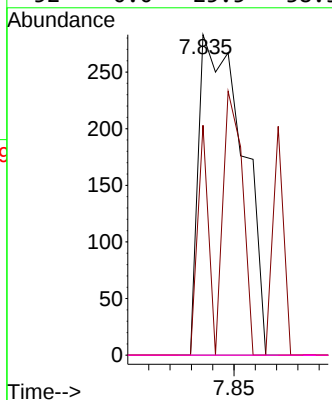


#41
Methacrylonitrile
Concen: 0.225 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.065 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Instrument :
MSVOA_N
ClientSampleId :

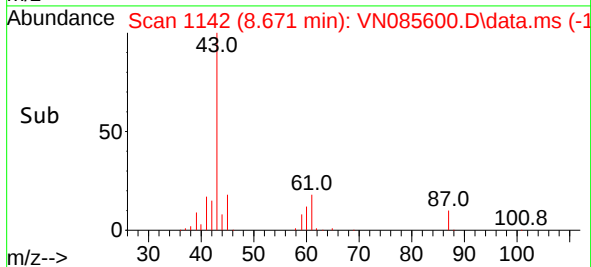
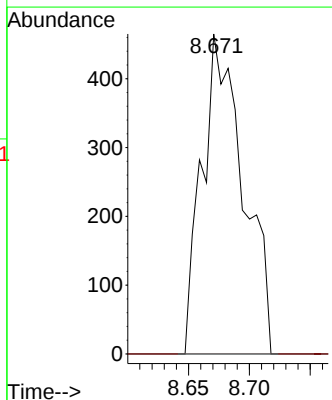
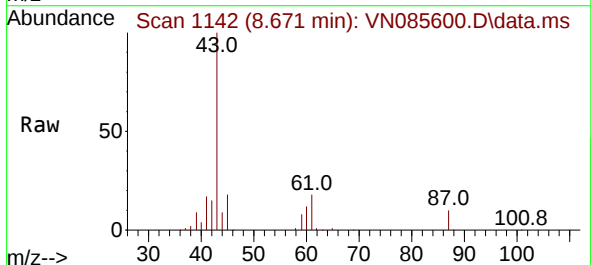


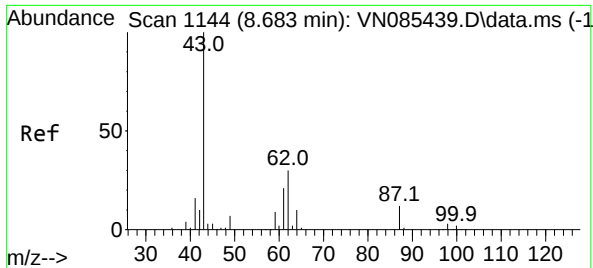
Tgt Ion:	41	Resp:	405
Ion	Ratio	Lower	Upper
41	100		
39	54.1	46.0	69.0
67	0.0	57.4	86.2#
52	0.0	25.5	38.3#



#42
1,2-Dichloroethane
Concen: 0.283 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Tgt Ion:	62	Resp:	1098
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.0

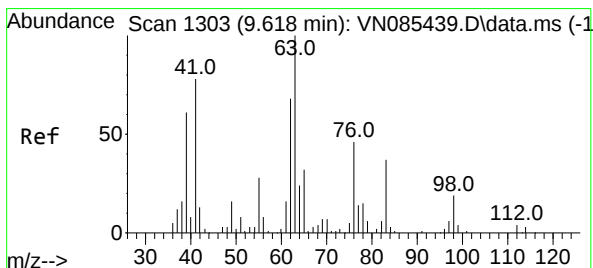
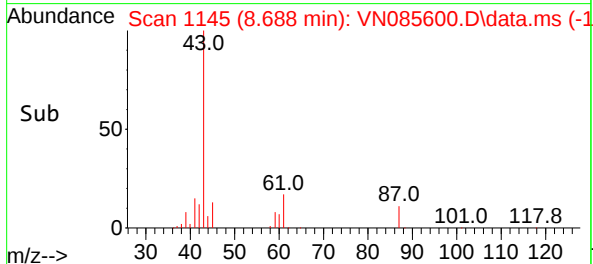
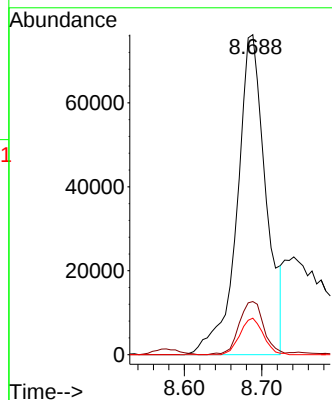
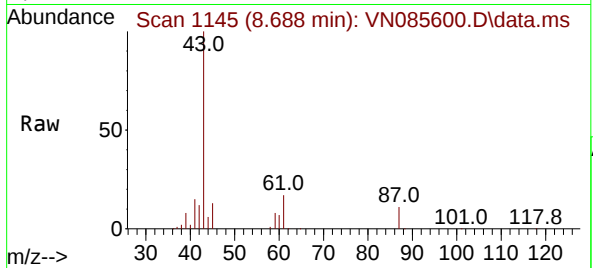




#43
Isopropyl Acetate
Concen: 35.530 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

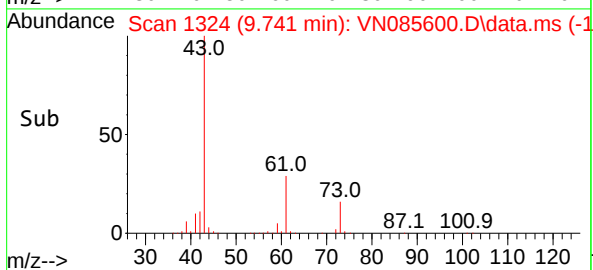
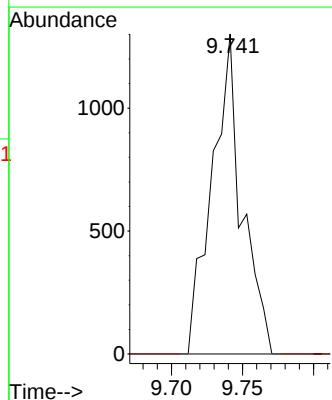
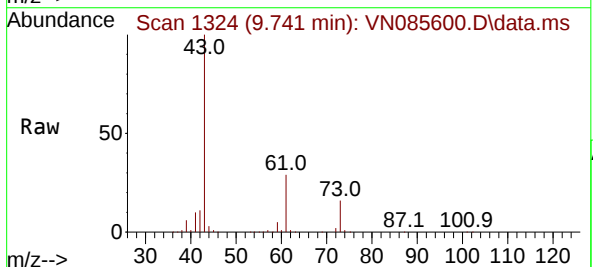
Instrument :
MSVOA_N
ClientSampleId :

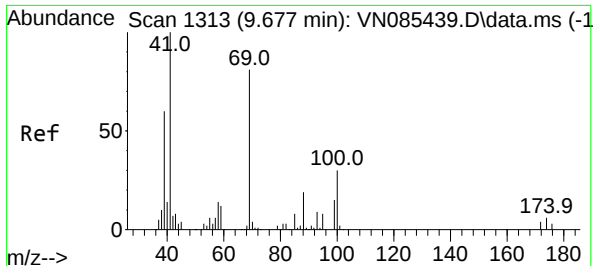
Tgt Ion: 43 Resp: 196762
Ion Ratio Lower Upper
43 100
61 14.4 20.7 31.1#
87 9.2 9.8 14.8#



#45
1,2-Dichloropropane
Concen: 0.726 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

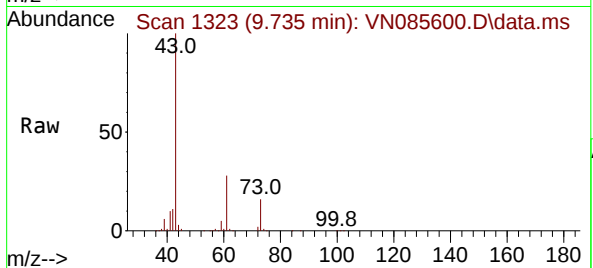
Tgt Ion: 63 Resp: 1909
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



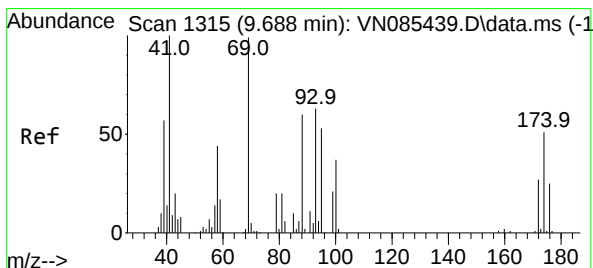
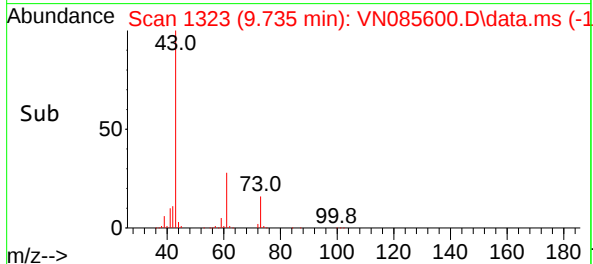
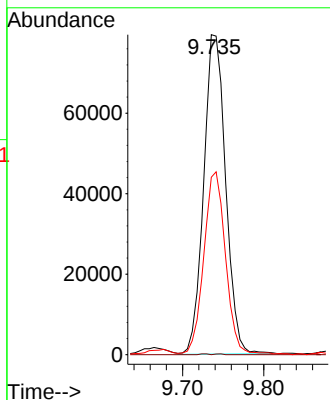


#48
Methyl methacrylate
Concen: 59.838 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.058 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Instrument :
MSVOA_N
ClientSampleId :

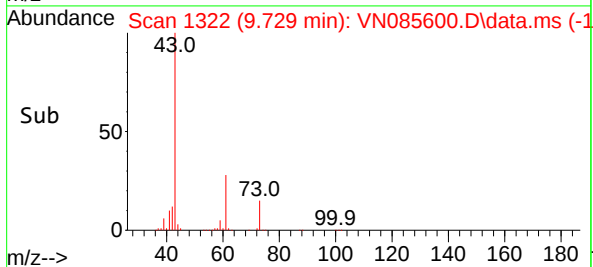
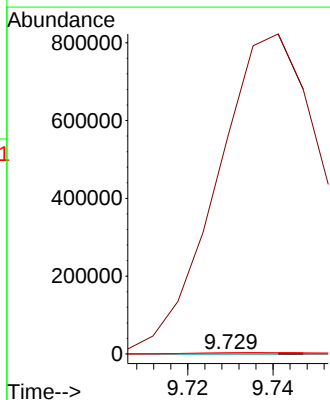
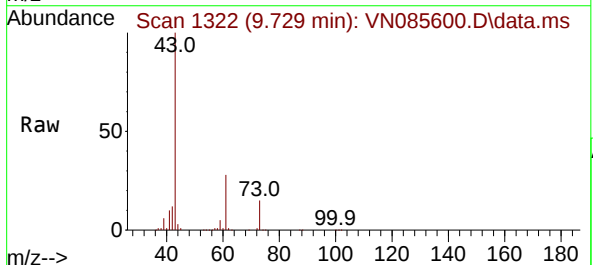


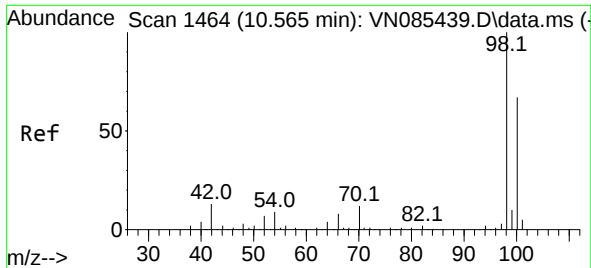
Tgt Ion: 41 Resp: 149126
Ion Ratio Lower Upper
41 100
69 0.1 64.7 97.1#
39 56.9 49.0 73.6



#49
1,4-Dioxane
Concen: 1.382 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.041 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 2546501.7 26.6 39.8#
58 13037.9 59.5 89.3#

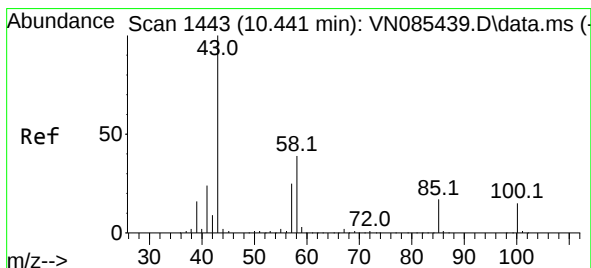
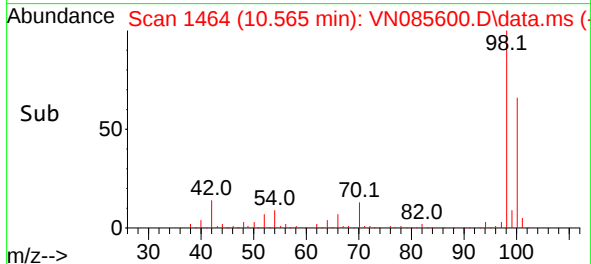
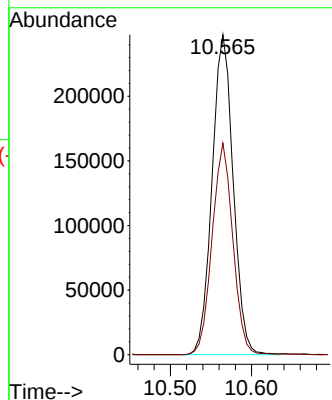
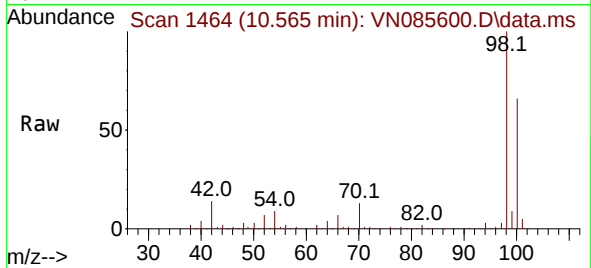




#50
Toluene-d8
Concen: 51.670 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

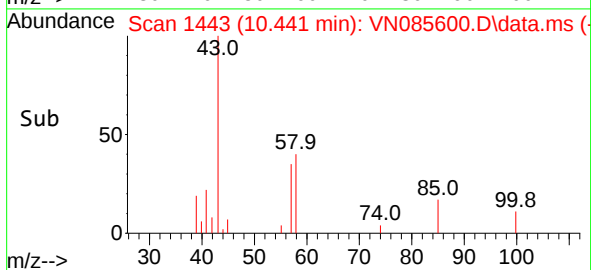
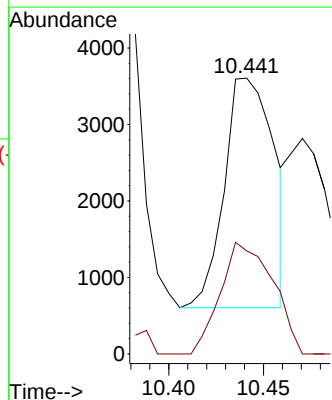
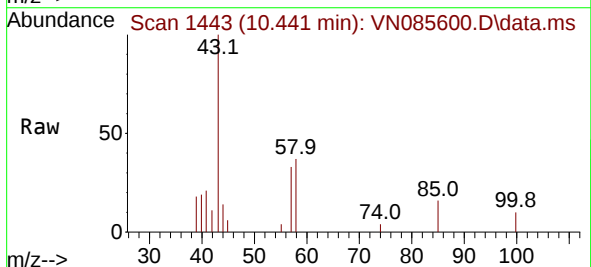
Instrument :
MSVOA_N
ClientSampleId :

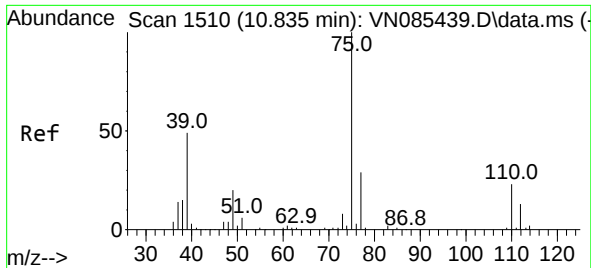
Tgt Ion: 98 Resp: 447884
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.700 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Tgt Ion: 43 Resp: 5464
Ion Ratio Lower Upper
43 100
58 51.5 30.5 45.7#

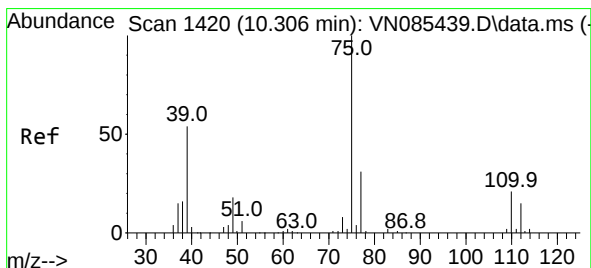
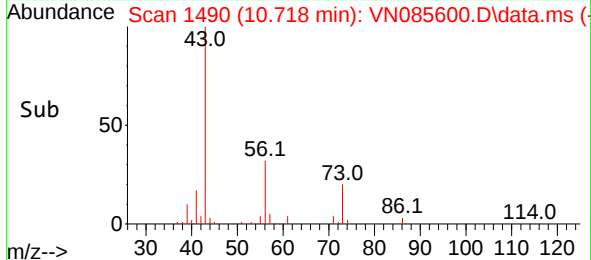
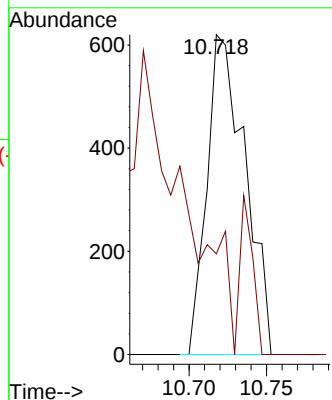
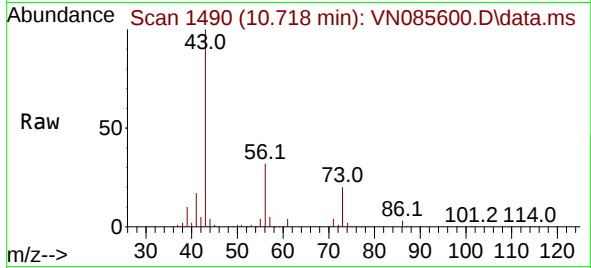




#53
 t-1,3-Dichloropropene
 Concen: 0.291 ug/l
 RT: 10.718 min Scan# 1490
 Delta R.T. -0.118 min
 Lab File: VN085600.D
 Acq: 31 Jan 2025 14:27

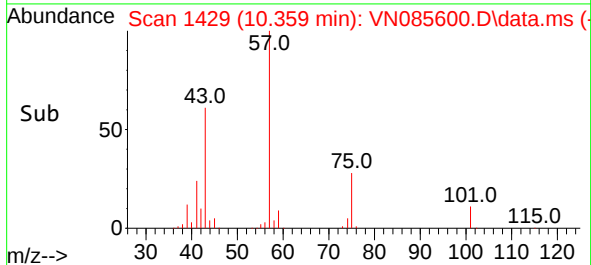
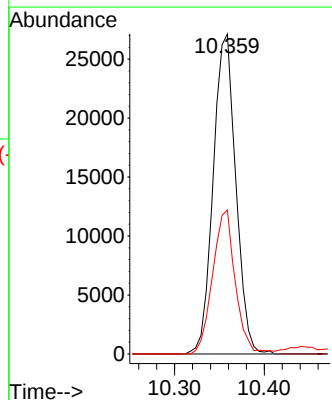
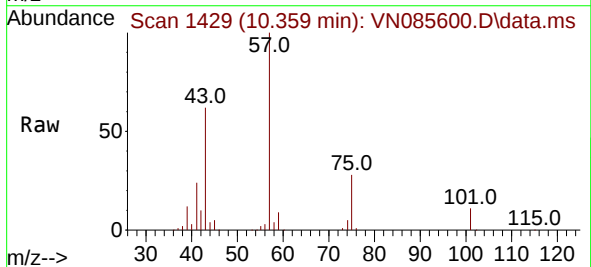
Instrument :
 MSVOA_N
 ClientSampleId :

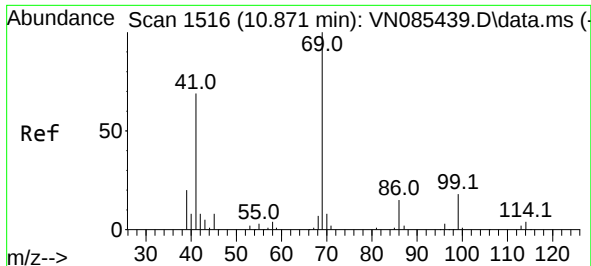
Tgt Ion: 75 Resp: 1061
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.5 35.3



#54
 cis-1,3-Dichloropropene
 Concen: 12.151 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085600.D
 Acq: 31 Jan 2025 14:27

Tgt Ion: 75 Resp: 47384
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 45.0 43.1 64.7

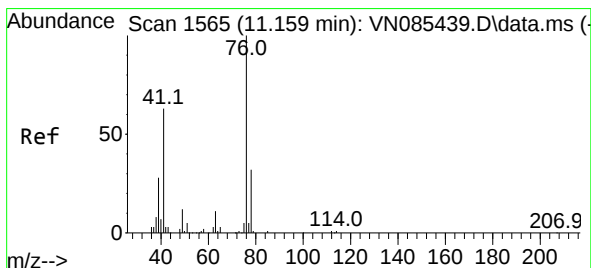
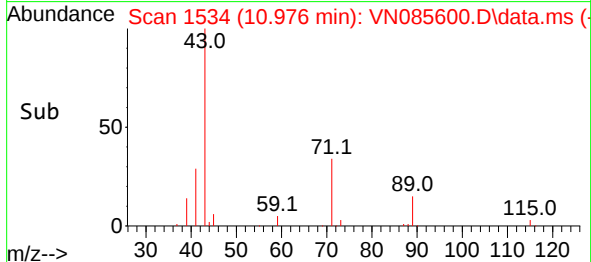
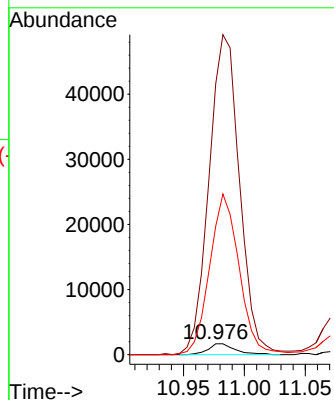
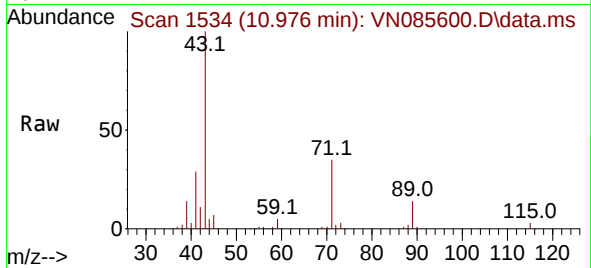




#56
Ethyl methacrylate
Concen: 2.563 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.105 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

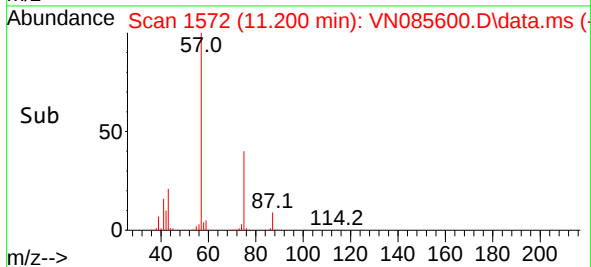
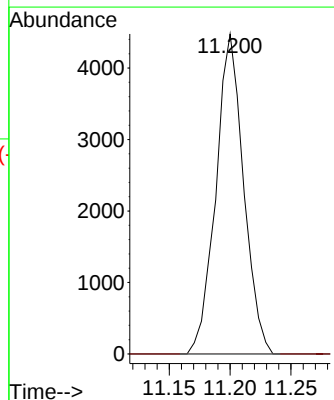
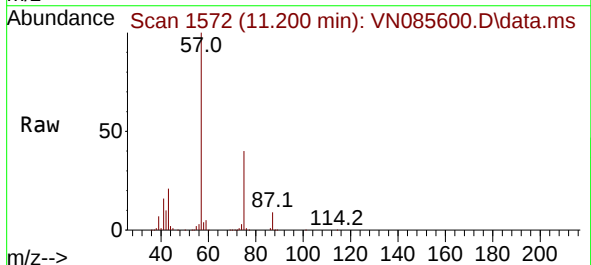
Instrument :
MSVOA_N
ClientSampleId :

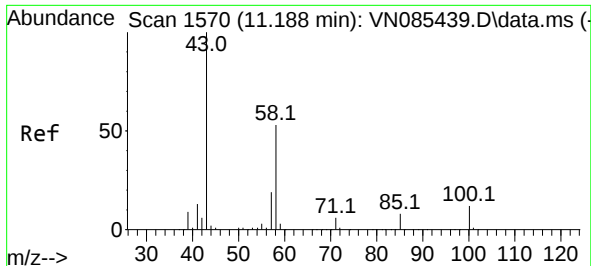
Tgt Ion: 69 Resp: 2612
Ion Ratio Lower Upper
69 100
41 3291.6 54.6 82.0#
39 1592.7 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.728 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Tgt Ion: 76 Resp: 7090
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

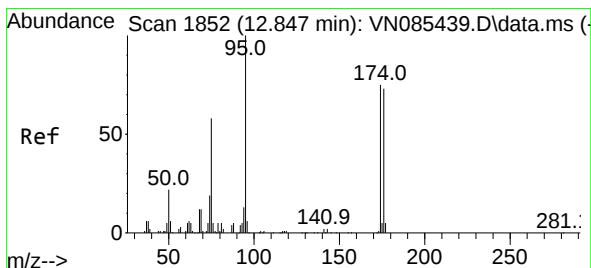
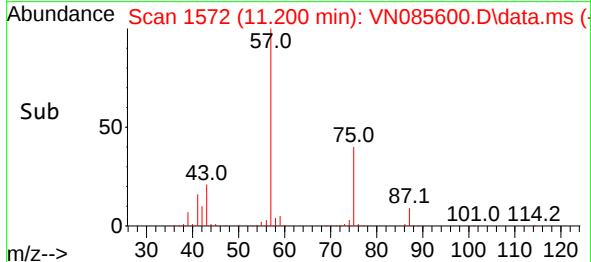
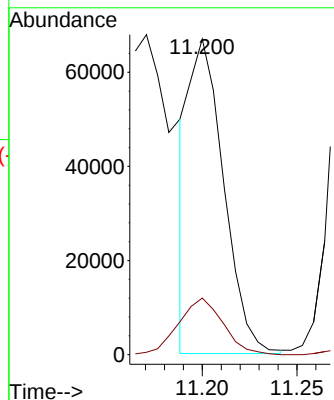
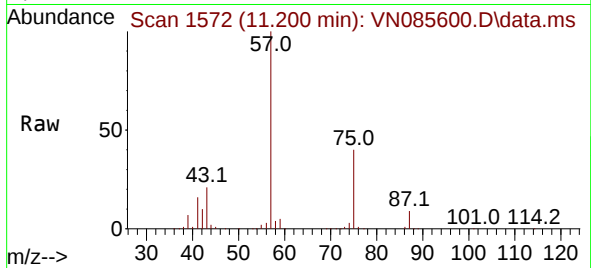




#59
2-Hexanone
Concen: 38.022 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

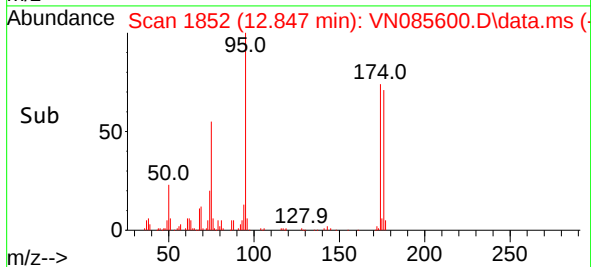
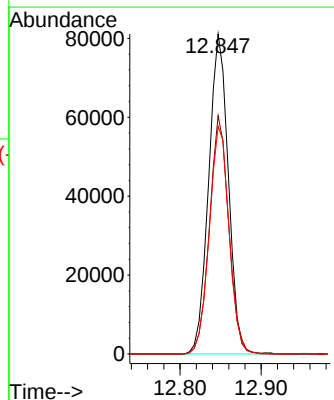
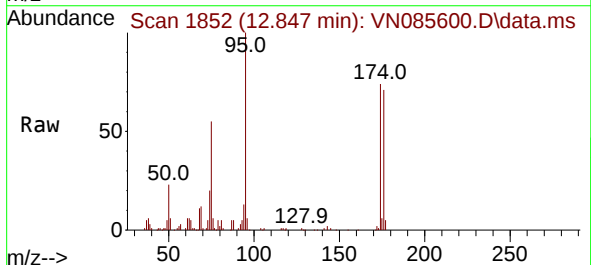
Instrument :
MSVOA_N
ClientSampleId :

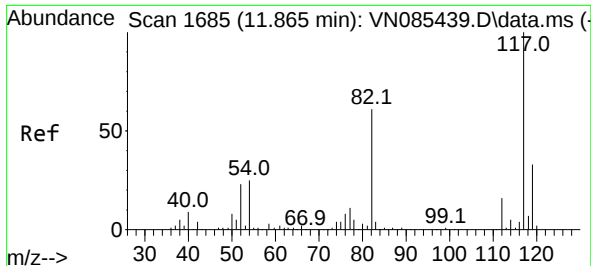
Tgt Ion: 43 Resp: 85974
Ion Ratio Lower Upper
43 100
58 22.9 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 45.833 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

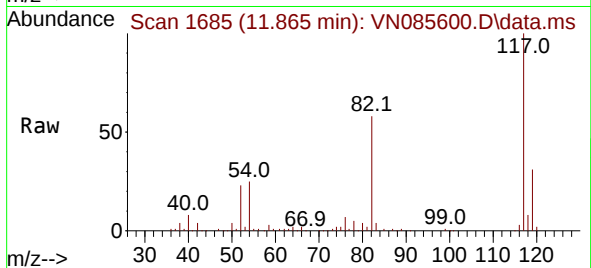
Tgt Ion: 95 Resp: 135902
Ion Ratio Lower Upper
95 100
174 73.2 0.0 145.0
176 71.5 0.0 142.4



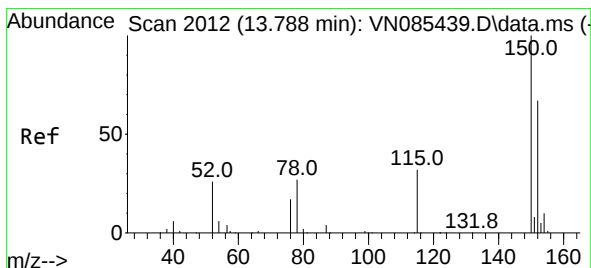
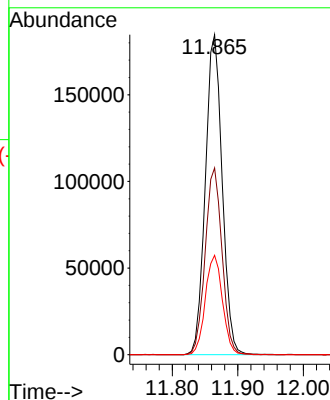
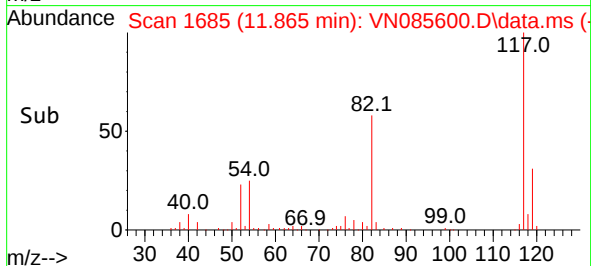


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Instrument :
MSVOA_N
ClientSampleId :

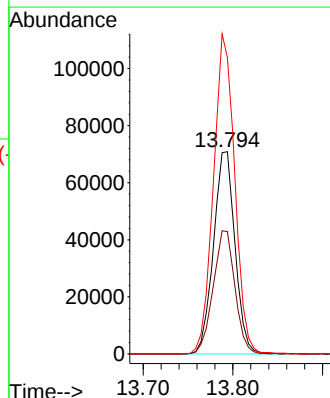
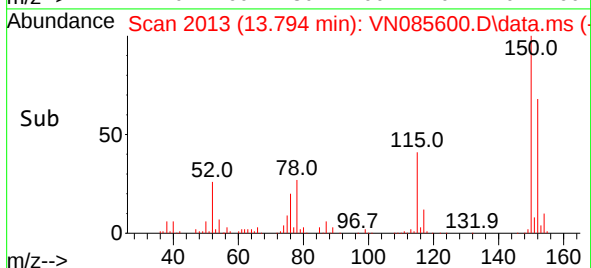
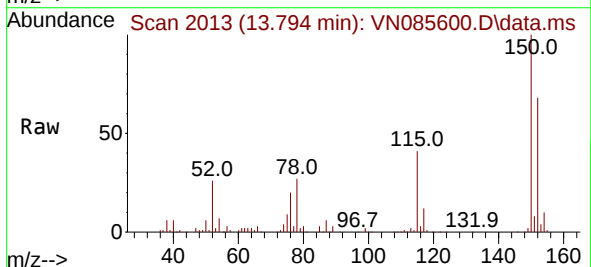


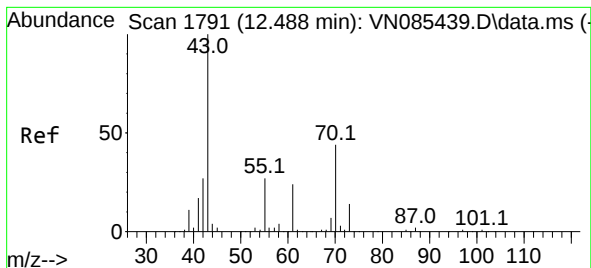
Tgt Ion:117 Resp: 330047
Ion Ratio Lower Upper
117 100
82 58.3 48.6 72.8
119 31.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085600.D
Acq: 31 Jan 2025 14:27

Tgt Ion:152 Resp: 118120
Ion Ratio Lower Upper
152 100
115 61.6 31.1 93.3
150 156.2 0.0 343.6





#74

N-amy1 acetate

Concen: 0.523 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN085600.D

Acq: 31 Jan 2025 14:27

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 1873

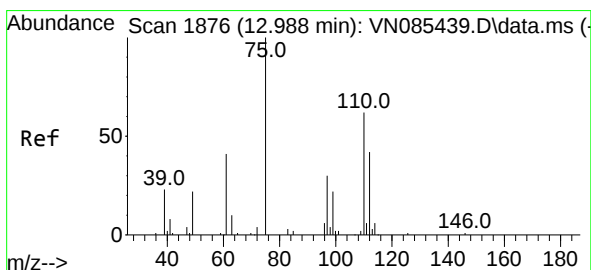
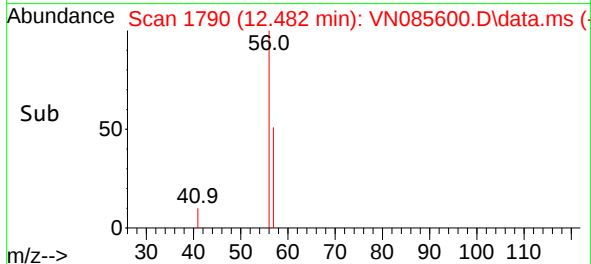
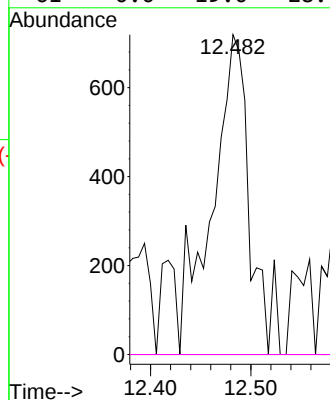
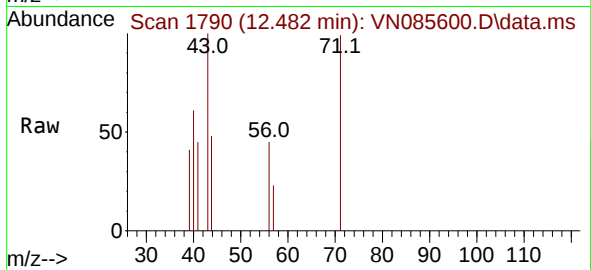
Ion Ratio Lower Upper

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: 31.038 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085600.D

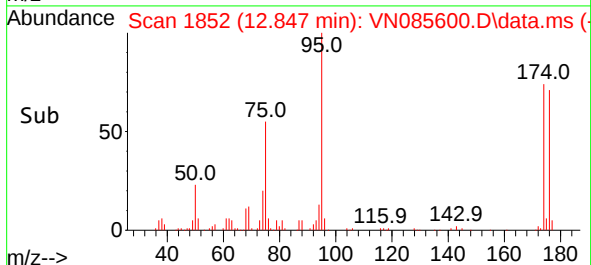
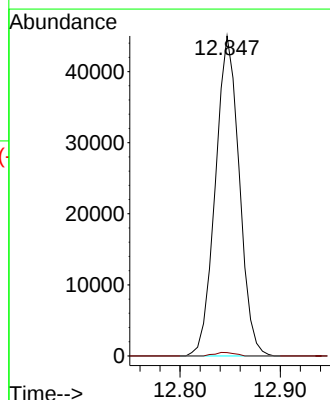
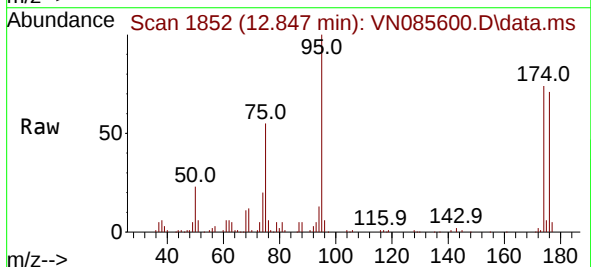
Acq: 31 Jan 2025 14:27

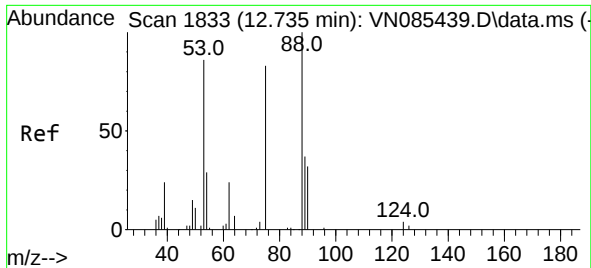
Tgt Ion: 75 Resp: 74517

Ion Ratio Lower Upper

75 100

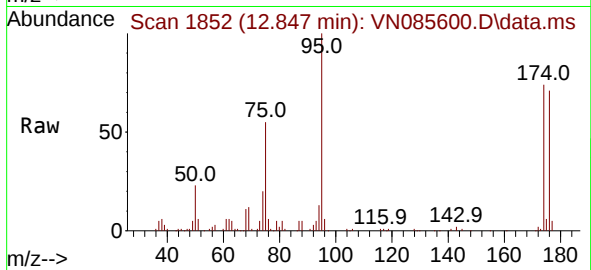
77 0.9 109.7 329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.976 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085600.D
 Acq: 31 Jan 2025 14:27

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 74517
 Ion Ratio Lower Upper
 75 100
 53 0.2 95.6 143.4#
 89 0.0 37.0 55.6#

