

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087383.D
 Acq On : 21 Jul 2025 16:24
 Operator : JC\MD
 Sample : Q2649-24
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-6

Quant Time: Jul 22 03:10:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

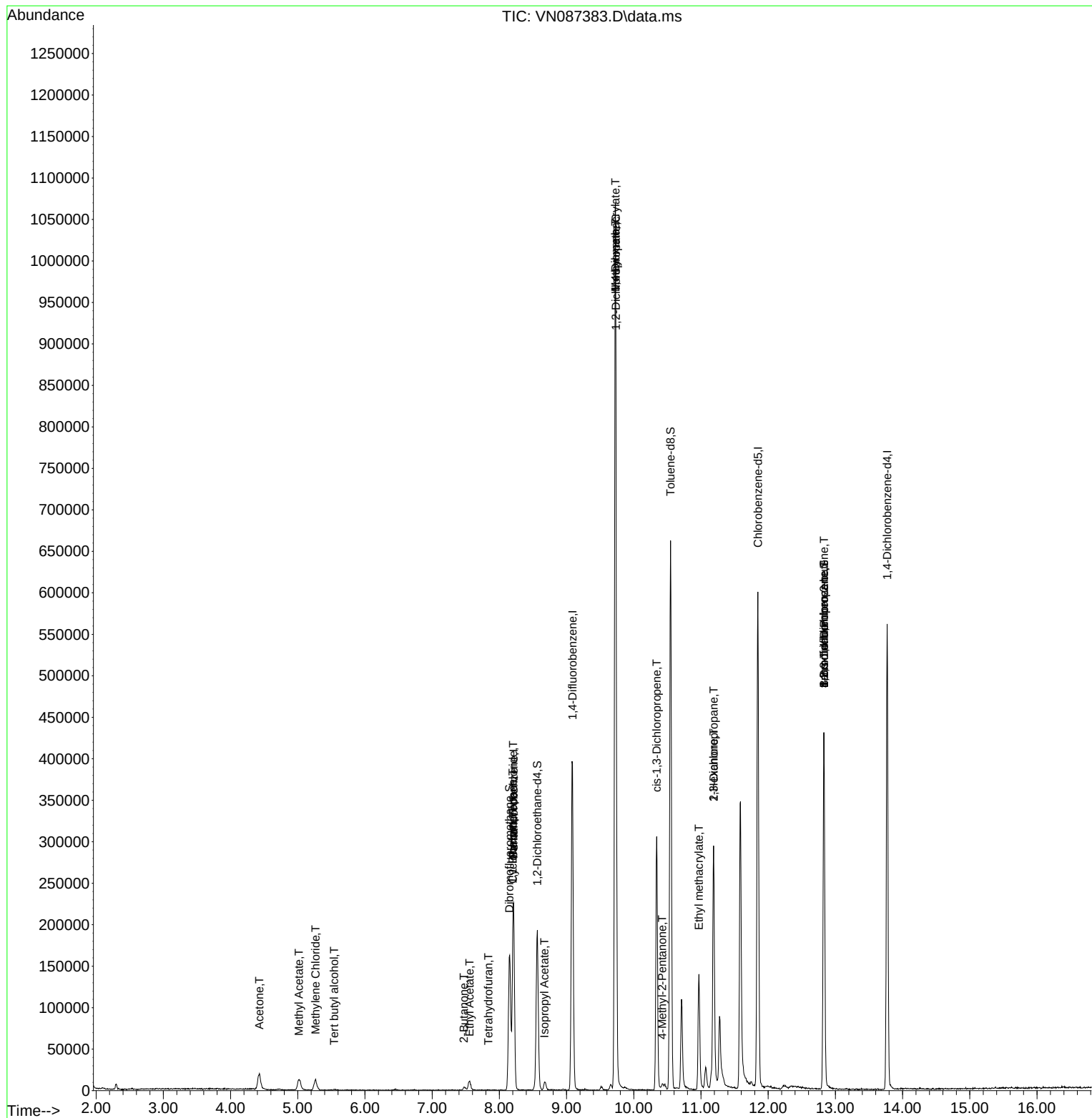
Internal Standards						
1) Pentafluorobenzene	8.212	168	160832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	333797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	328907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	146952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	156289	57.270	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 114.540%		
35) Dibromofluoromethane	8.147	113	120566	52.362	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.720%		
50) Toluene-d8	10.547	98	443436	53.989	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 107.980%		
62) 4-Bromofluorobenzene	12.829	95	148263	48.860	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 97.720%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.542	59	327	0.631	ug/l #	72
16) Acetone	4.430	43	37991	29.691	ug/l	96
18) Methyl Acetate	5.018	43	30056	9.350	ug/l	97
20) Methylene Chloride	5.265	84	8672	3.413	ug/l #	89
25) 2-Butanone	7.471	43	6461	3.268	ug/l #	84
29) Tetrahydrofuran	7.836	42	462	0.360	ug/l #	51
31) Cyclohexane	8.200	56	4162	1.241	ug/l #	34
36) 1,1-Dichloropropene	8.200	75	13968	4.592	ug/l #	44
37) Ethyl Acetate	7.559	43	18303	4.166	ug/l	99
38) Carbon Tetrachloride	8.206	117	18439	5.502	ug/l #	14
43) Isopropyl Acetate	8.671	43	11724	1.719	ug/l	96
45) 1,2-Dichloropropane	9.735	63	1394	0.558	ug/l #	41
48) Methyl methacrylate	9.730	41	102634	33.428	ug/l #	44
49) 1,4-Dioxane	9.730	88	58	1.233	ug/l #	1
51) 4-Methyl-2-Pentanone	10.424	43	4455	1.033	ug/l	88
54) cis-1,3-Dichloropropene	10.341	75	52508	13.332	ug/l #	66
56) Ethyl methacrylate	10.971	69	1442	0.997	ug/l #	1
57) 1,3-Dichloropropane	11.188	76	3469	0.829	ug/l #	42
59) 2-Hexanone	11.188	43	45551	15.916	ug/l #	54
71) Bromoform	12.829	173	979	0.483	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	82498	25.035	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	82498	68.500	ug/l #	8

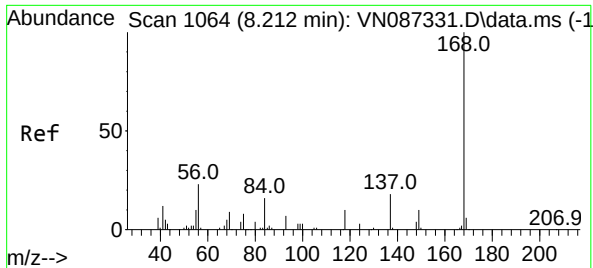
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

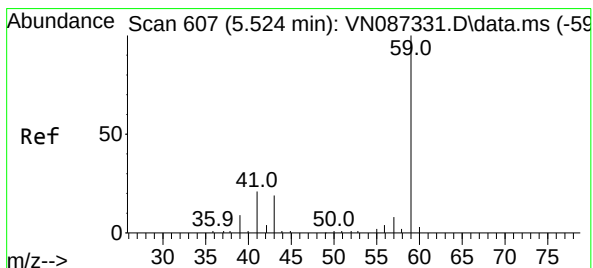
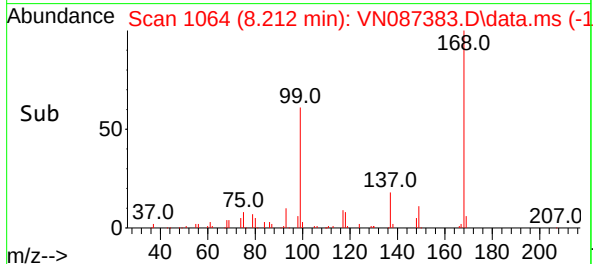
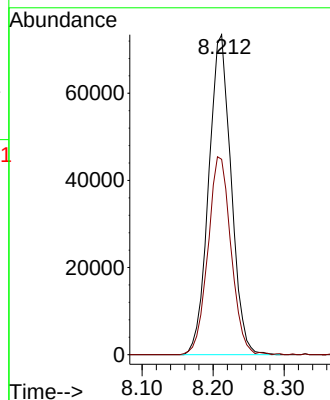
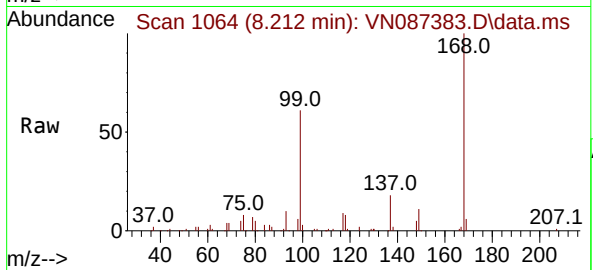




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

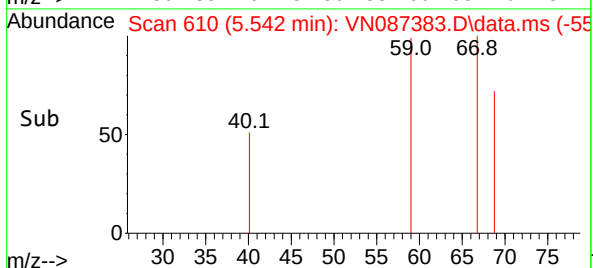
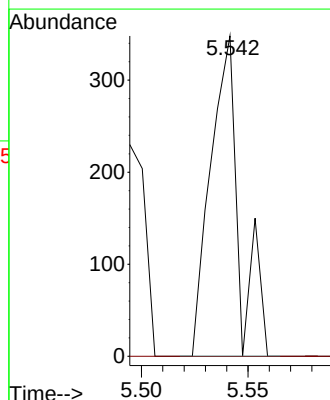
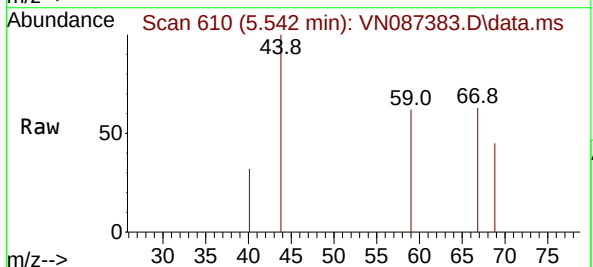
Instrument :
MSVOA_N
ClientSampleId :
WC-6

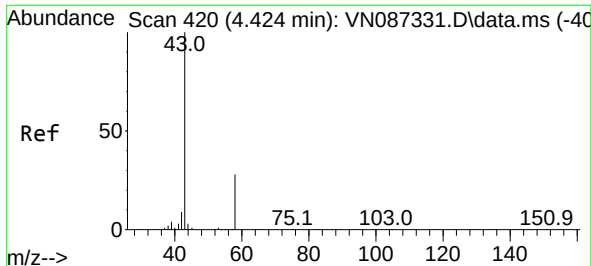
Tgt Ion:168 Resp: 160832
Ion Ratio Lower Upper
168 100
99 61.0 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.631 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.018 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

Tgt Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

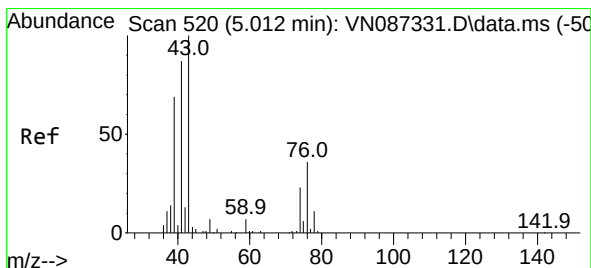
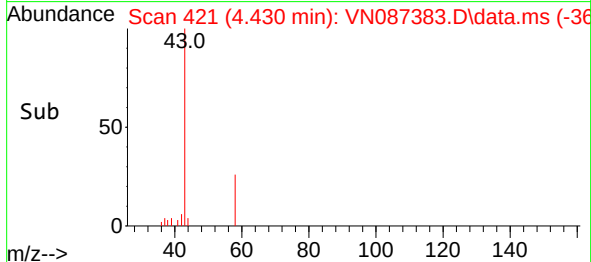
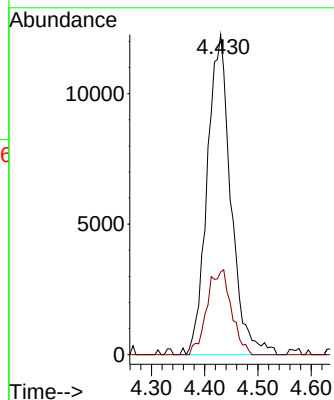
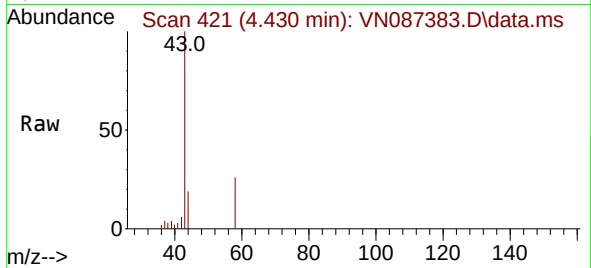




#16
Acetone
Concen: 29.691 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

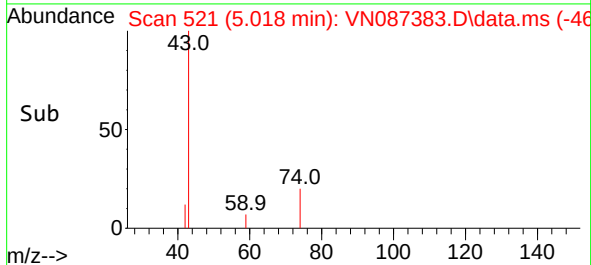
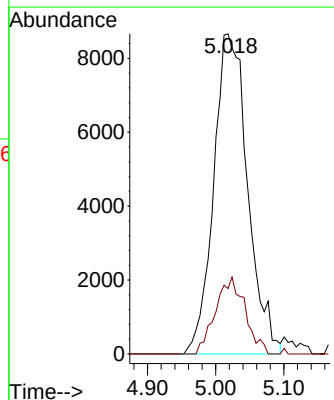
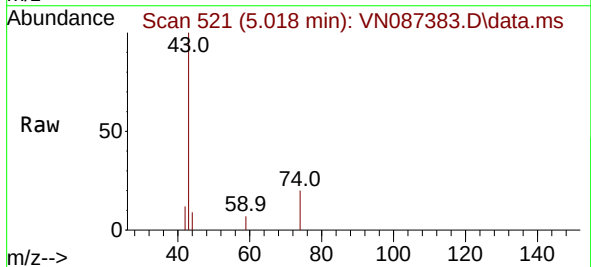
Instrument :
MSVOA_N
ClientSampleId :
WC-6

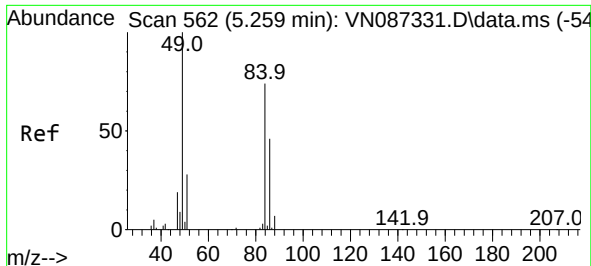
Tgt Ion: 43 Resp: 37991
Ion Ratio Lower Upper
43 100
58 25.9 22.3 33.5



#18
Methyl Acetate
Concen: 9.350 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

Tgt Ion: 43 Resp: 30056
Ion Ratio Lower Upper
43 100
74 20.9 17.8 26.6

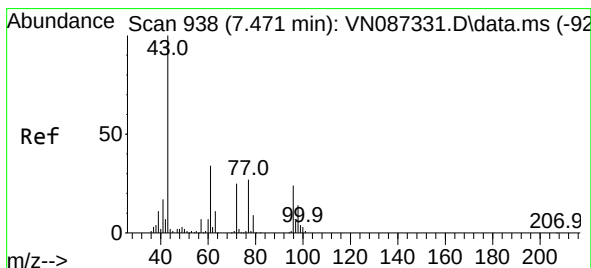
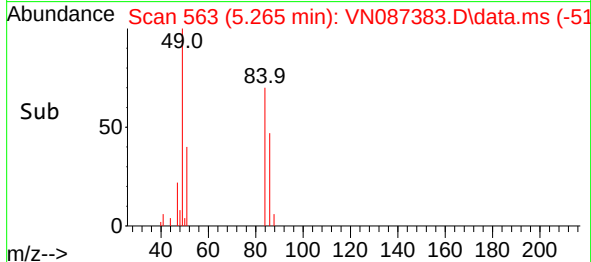
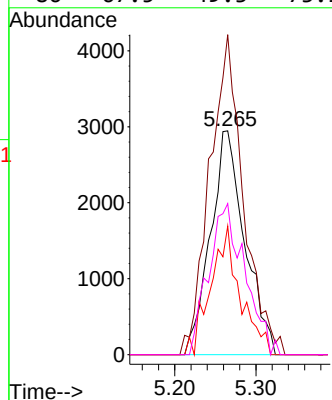
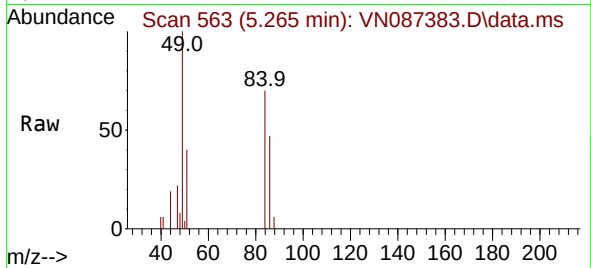




#20
Methylene Chloride
Concen: 3.413 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

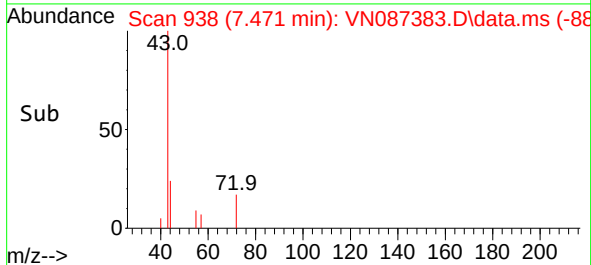
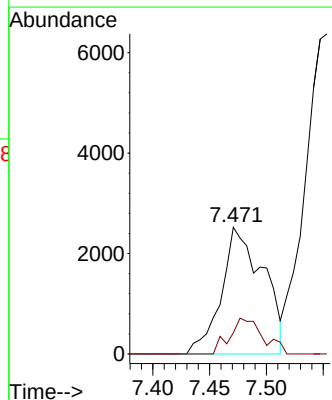
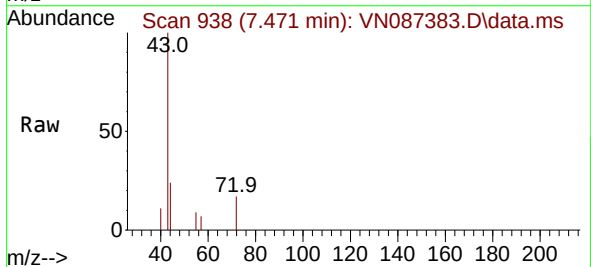
Instrument :
MSVOA_N
ClientSampleId :
WC-6

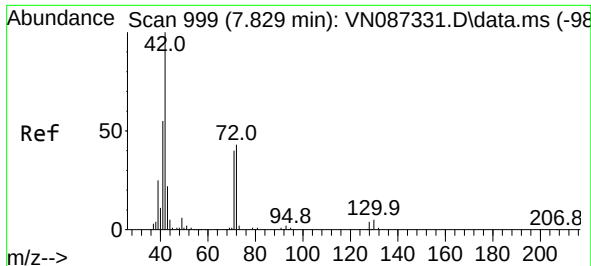
Tgt Ion: 84 Resp: 8672
Ion Ratio Lower Upper
84 100
49 142.9 107.5 161.3
51 57.4 30.2 45.2#
86 67.5 49.3 73.9



#25
2-Butanone
Concen: 3.268 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

Tgt Ion: 43 Resp: 6461
Ion Ratio Lower Upper
43 100
72 16.7 19.6 29.4#

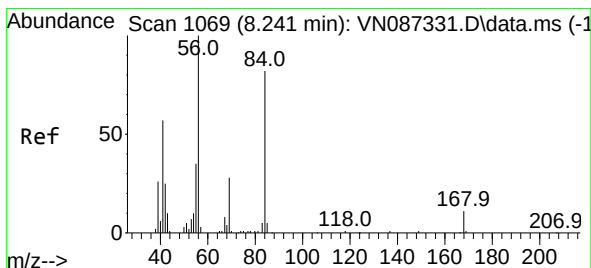
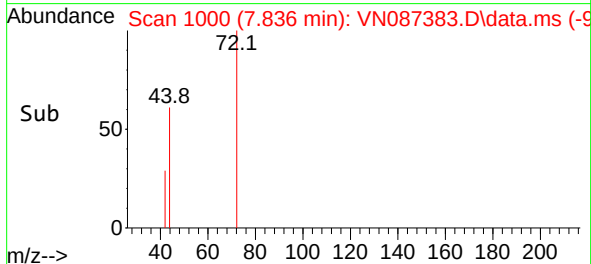
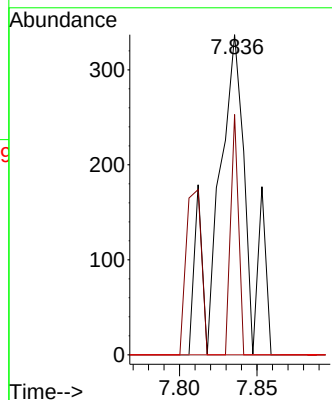
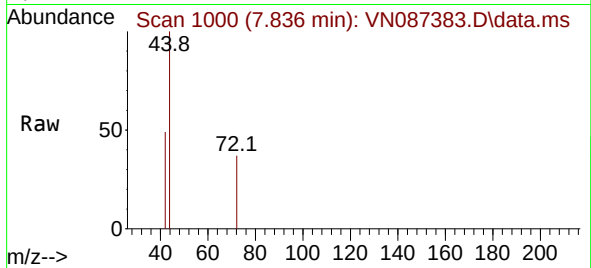




#29
Tetrahydrofuran
Concen: 0.360 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

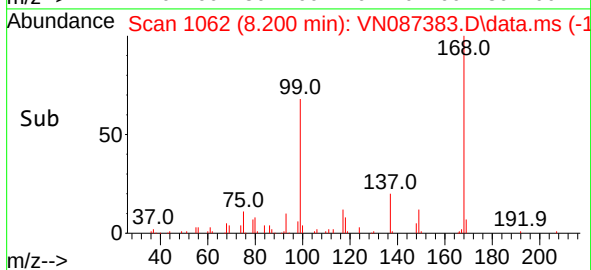
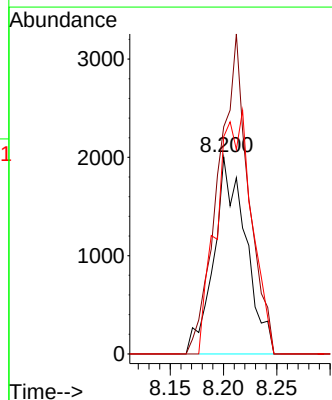
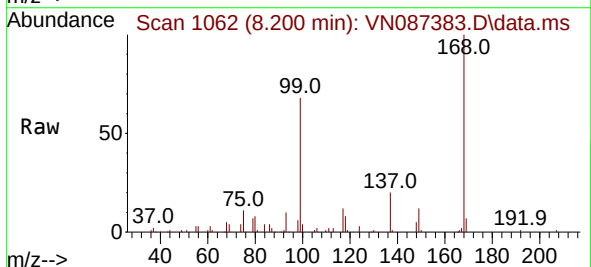
Instrument :
MSVOA_N
ClientSampleId :
WC-6

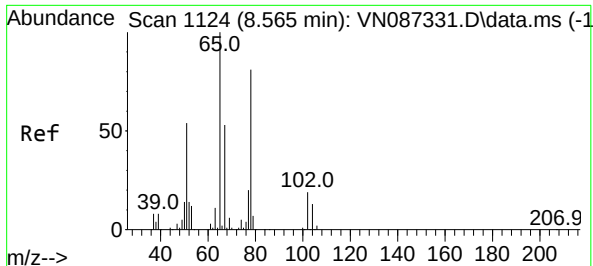
Tgt Ion: 42 Resp: 462
Ion Ratio Lower Upper
42 100
72 19.3 33.4 50.0#
71 0.0 31.2 46.8#



#31
Cyclohexane
Concen: 1.241 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.041 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

Tgt Ion: 56 Resp: 4162
Ion Ratio Lower Upper
56 100
69 115.5 22.7 34.1#
84 110.4 65.8 98.6#





#33

1,2-Dichloroethane-d4

Concen: 57.270 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087383.D

Acq: 21 Jul 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

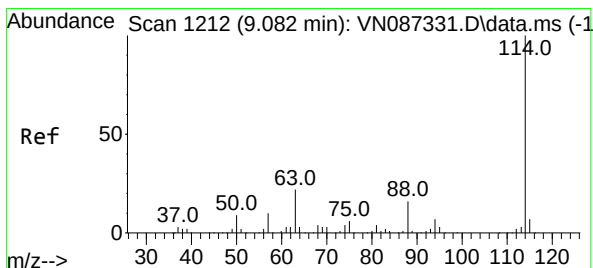
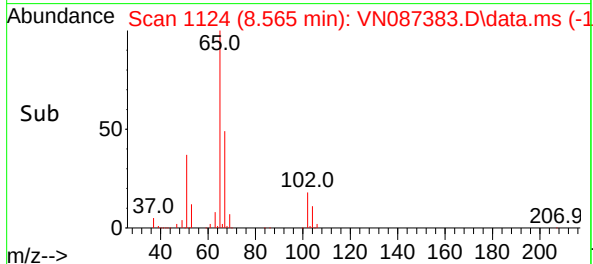
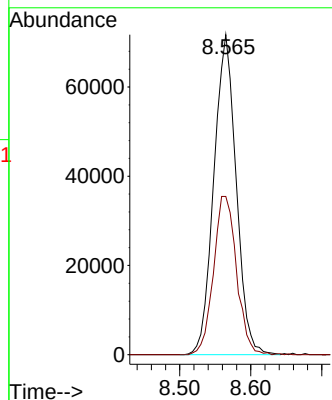
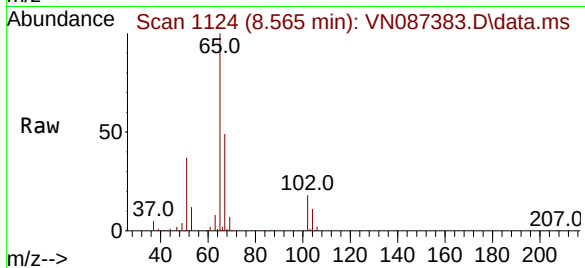
WC-6

Tgt Ion: 65 Resp: 156289

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.006 min

Lab File: VN087383.D

Acq: 21 Jul 2025 16:24

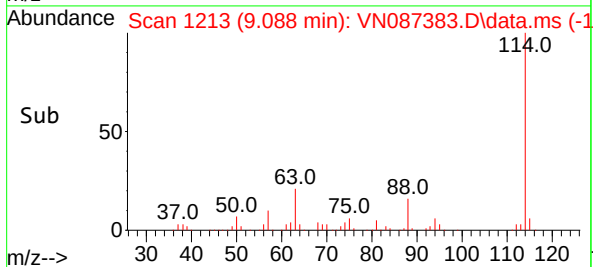
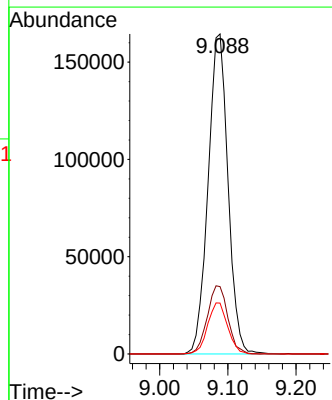
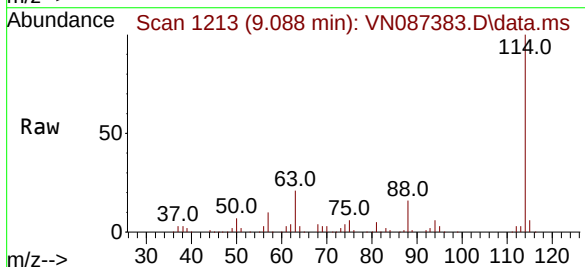
Tgt Ion: 114 Resp: 333797

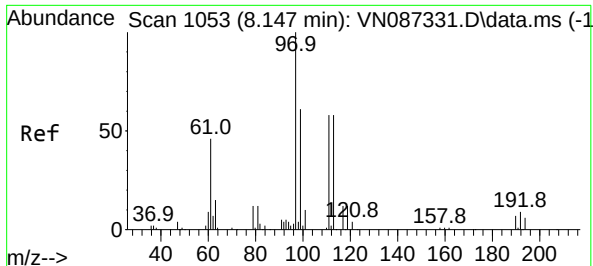
Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.6

88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.362 ug/l

RT: 8.147 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087383.D

Acq: 21 Jul 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

WC-6

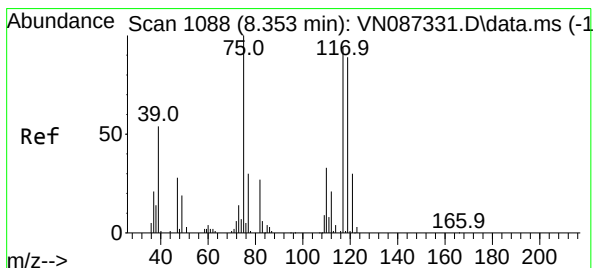
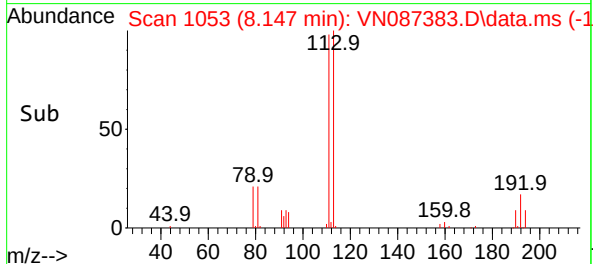
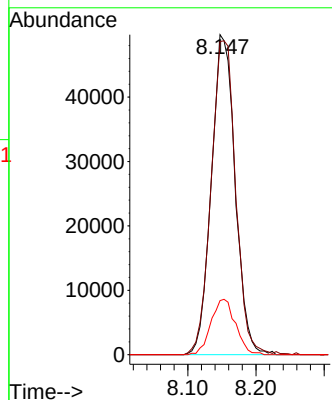
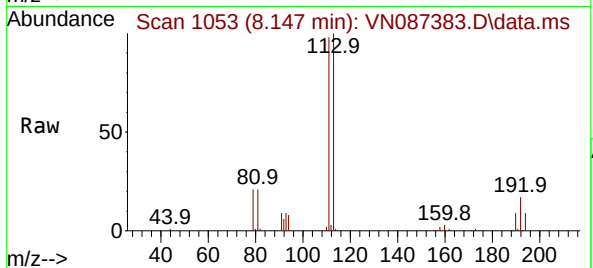
Tgt Ion:113 Resp: 120566

Ion Ratio Lower Upper

113 100

111 101.3 82.5 123.7

192 17.9 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.592 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN087383.D

Acq: 21 Jul 2025 16:24

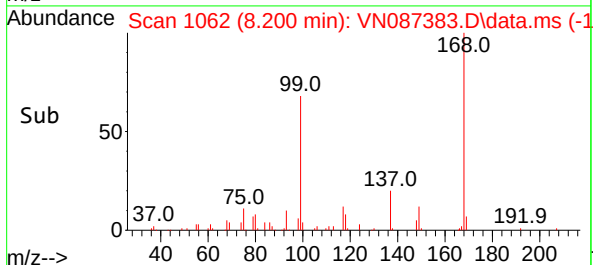
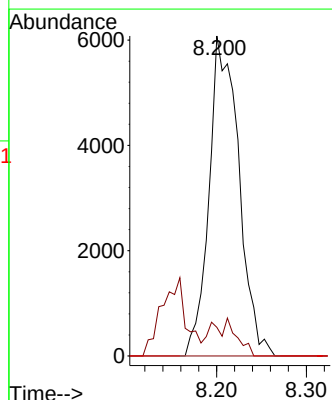
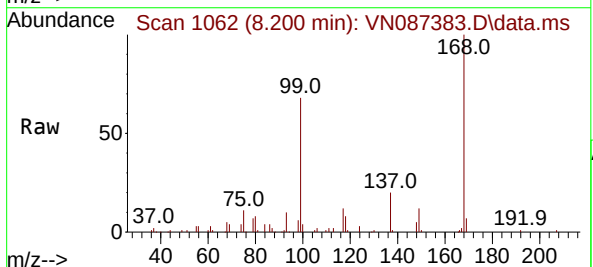
Tgt Ion: 75 Resp: 13968

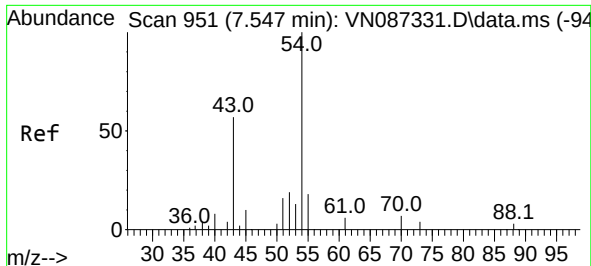
Ion Ratio Lower Upper

75 100

110 2.4 16.7 50.1#

77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 4.166 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN087383.D

Acq: 21 Jul 2025 16:24

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MSVOA_N

ClientSampleId :

WC-6

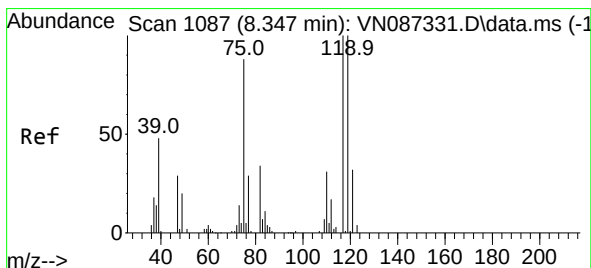
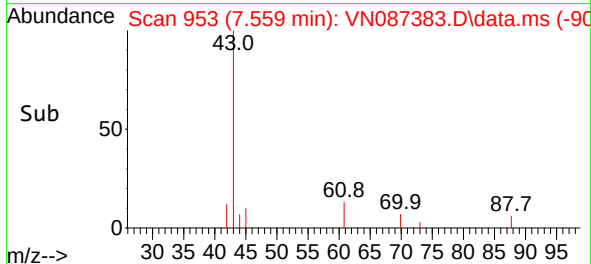
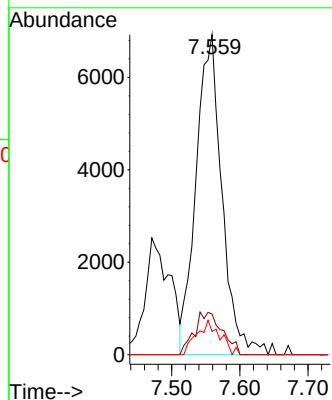
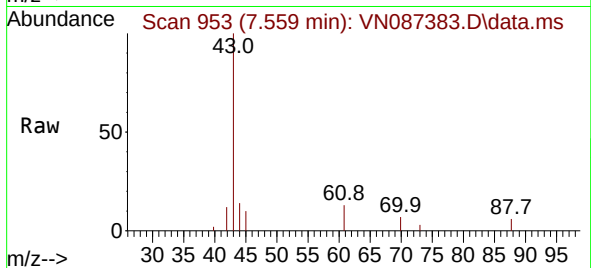
Tgt Ion: 43 Resp: 18303

Ion Ratio Lower Upper

43 100

61 14.3 10.9 16.3

70 9.6 7.4 11.0



#38

Carbon Tetrachloride

Concen: 5.502 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN087383.D

Acq: 21 Jul 2025 16:24

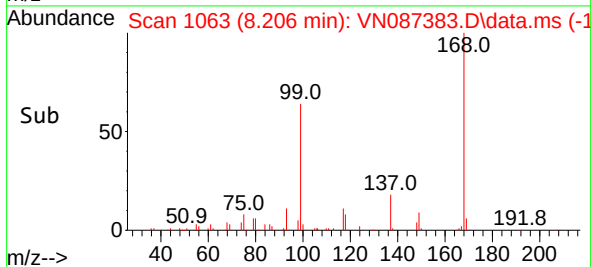
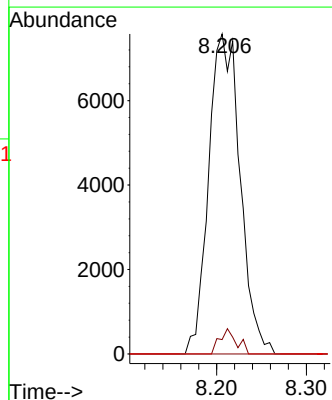
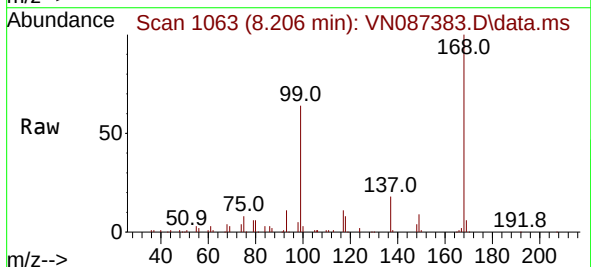
Tgt Ion: 117 Resp: 18439

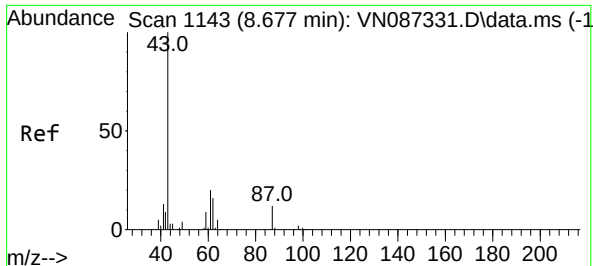
Ion Ratio Lower Upper

117 100

119 4.5 80.2 120.2#

121 0.0 25.4 38.2#

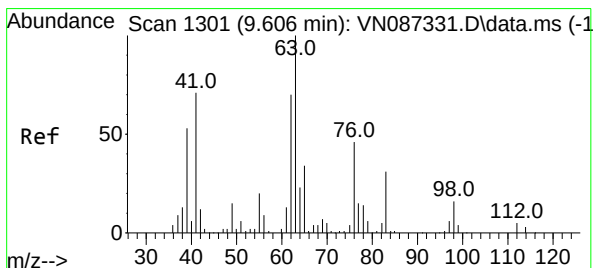
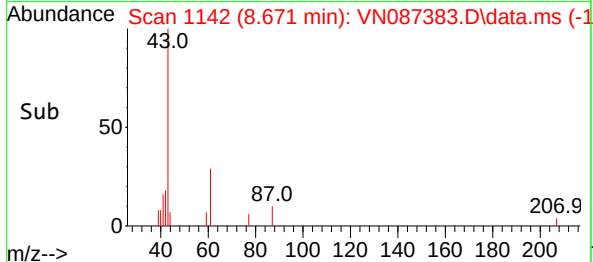
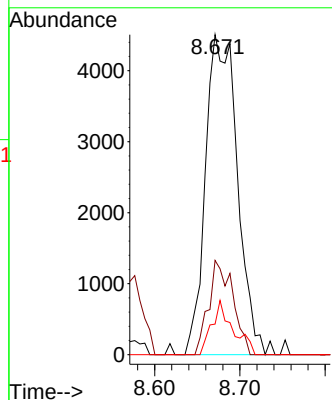
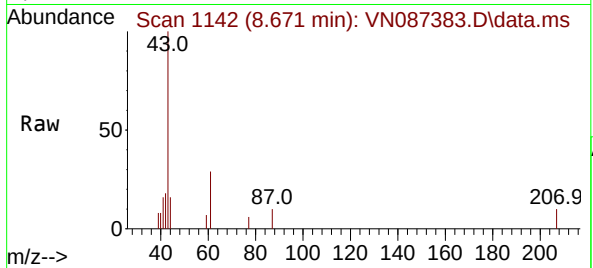




#43
Isopropyl Acetate
Concen: 1.719 ug/l
RT: 8.671 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

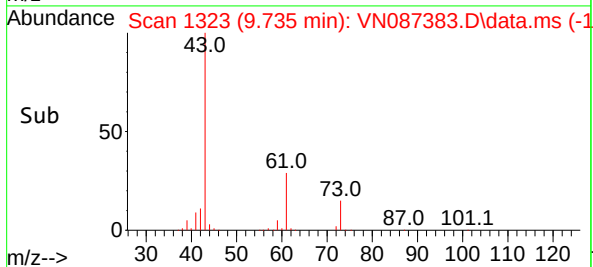
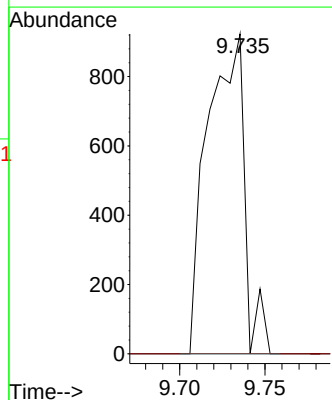
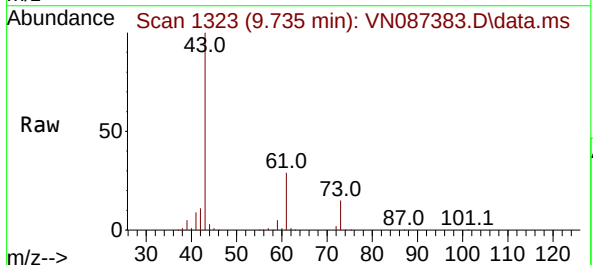
Instrument :
MSVOA_N
ClientSampleId :
WC-6

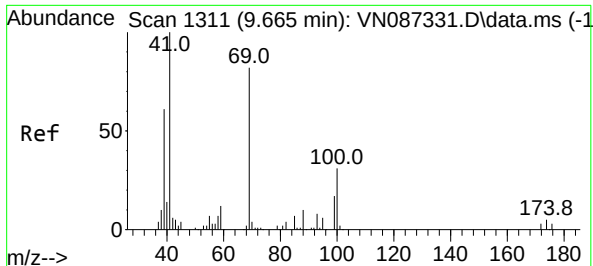
Tgt Ion:	43	Resp:	11724
Ion	Ratio	Lower	Upper
43	100		
61	22.4	19.8	29.8
87	11.2	9.8	14.6



#45
1,2-Dichloropropane
Concen: 0.558 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.129 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

Tgt Ion:	63	Resp:	1394
Ion	Ratio	Lower	Upper
63	100		
65	0.0	27.0	40.4#

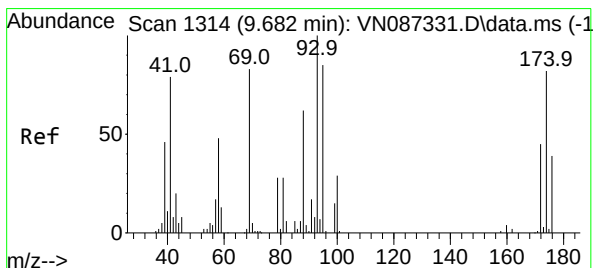
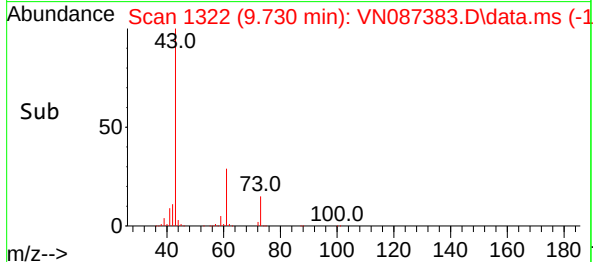
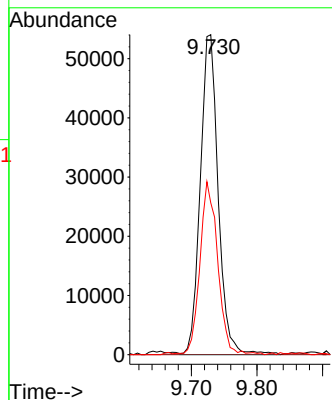
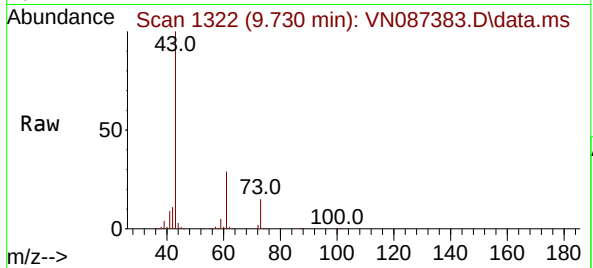




#48
Methyl methacrylate
Concen: 33.428 ug/l
RT: 9.730 min Scan# 1311
Delta R.T. 0.065 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

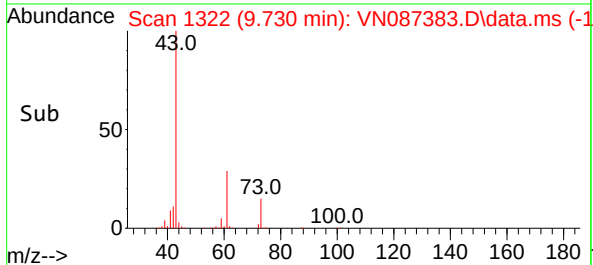
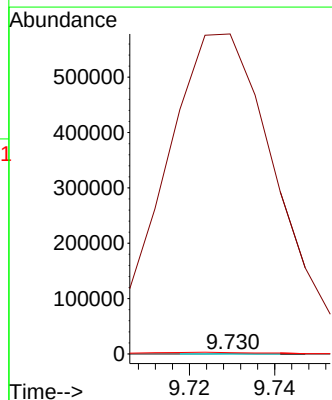
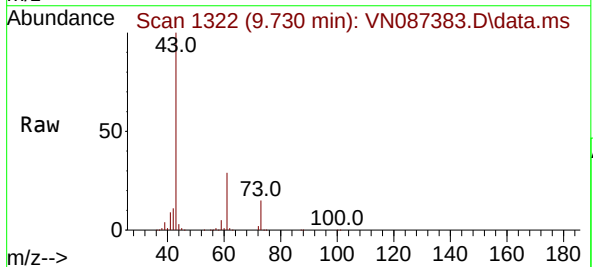
Instrument :
MSVOA_N
ClientSampleId :
WC-6

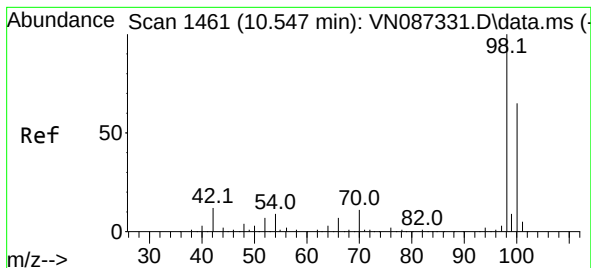
Tgt Ion: 41 Resp: 102634
Ion Ratio Lower Upper
41 100
69 0.0 64.1 96.1#
39 52.2 45.5 68.3



#49
1,4-Dioxane
Concen: 1.233 ug/l
RT: 9.730 min Scan# 1322
Delta R.T. 0.048 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 1886674.1 0.0 0.0#
58 10751.7 61.1 91.7#

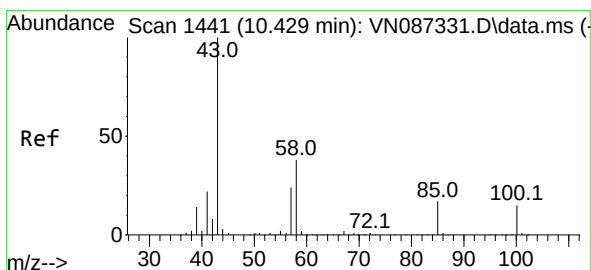
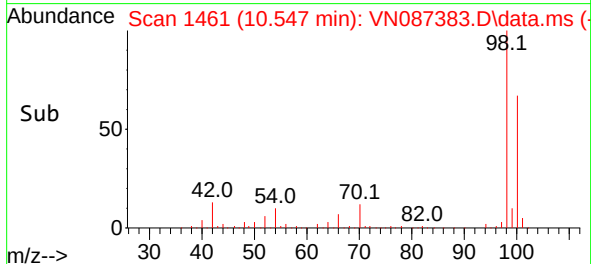
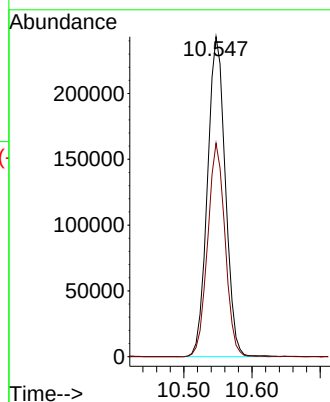
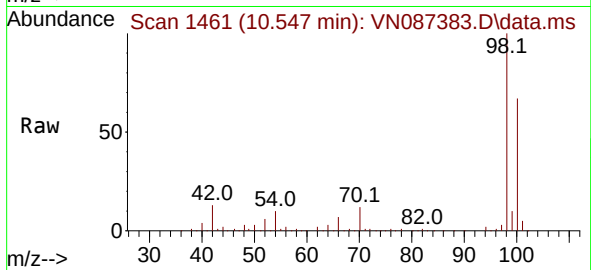




#50
Toluene-d8
Concen: 53.989 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

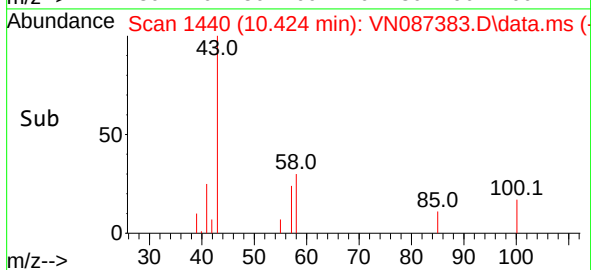
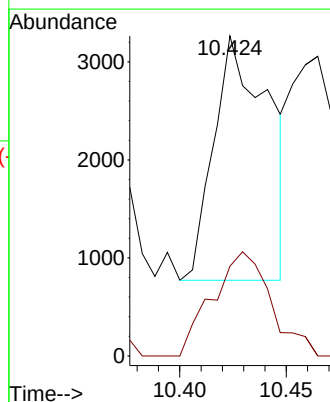
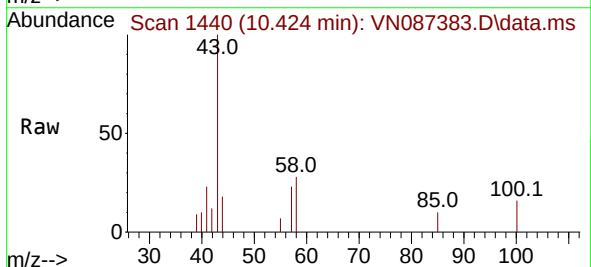
Instrument :
MSVOA_N
ClientSampleId :
WC-6

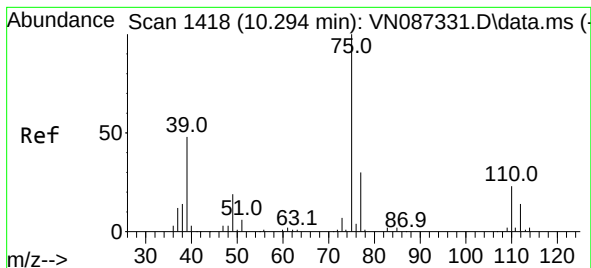
Tgt Ion: 98 Resp: 443436
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.033 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.005 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

Tgt Ion: 43 Resp: 4455
Ion Ratio Lower Upper
43 100
58 45.5 30.8 46.2

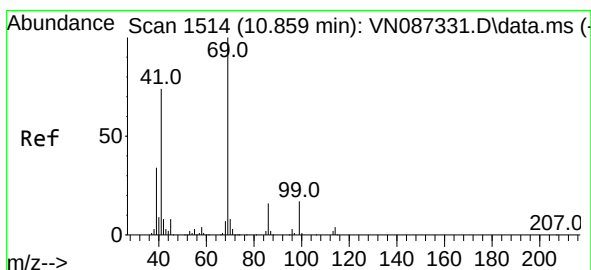
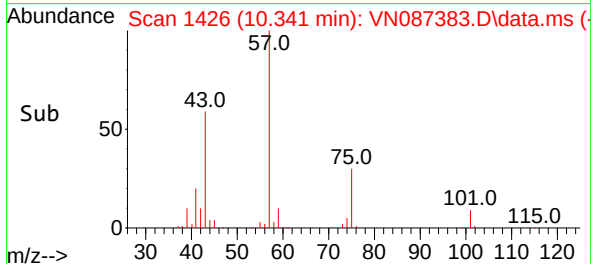
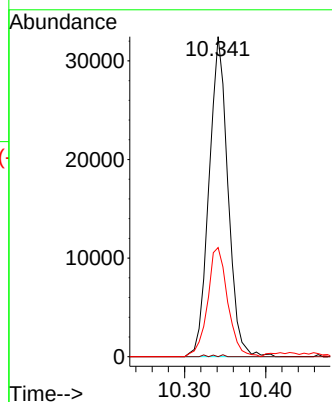
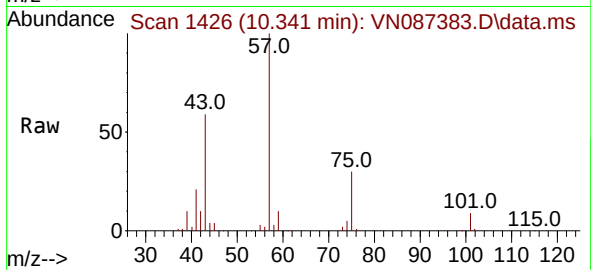




#54
 cis-1,3-Dichloropropene
 Concen: 13.332 ug/l
 RT: 10.341 min Scan# 1418
 Delta R.T. 0.047 min
 Lab File: VN087383.D
 Acq: 21 Jul 2025 16:24

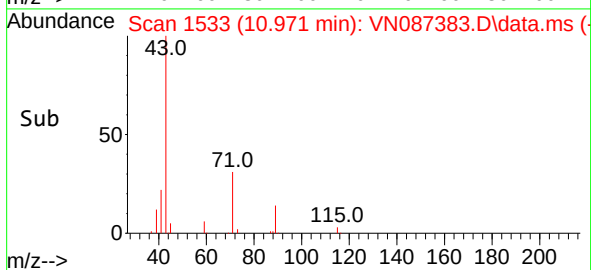
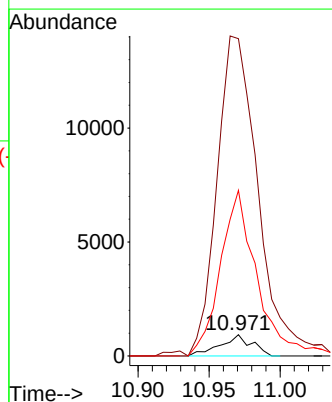
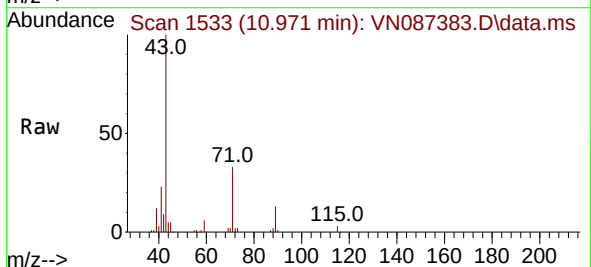
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-6

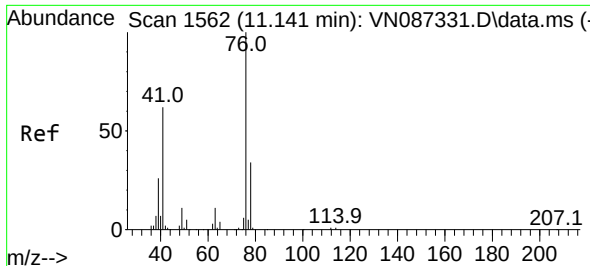
Tgt Ion: 75 Resp: 52508
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 34.1 38.4 57.6#



#56
 Ethyl methacrylate
 Concen: 0.997 ug/l
 RT: 10.971 min Scan# 1533
 Delta R.T. 0.112 min
 Lab File: VN087383.D
 Acq: 21 Jul 2025 16:24

Tgt Ion: 69 Resp: 1442
 Ion Ratio Lower Upper
 69 100
 41 1977.7 55.1 82.7#
 39 906.5 27.9 41.9#

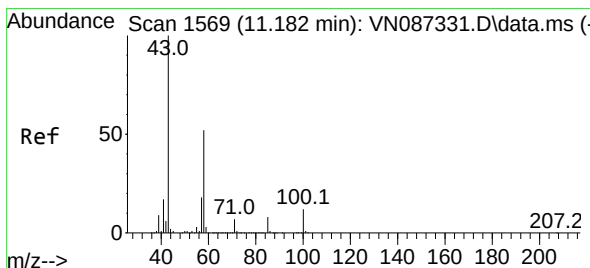
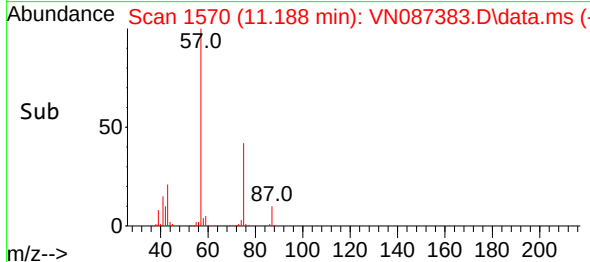
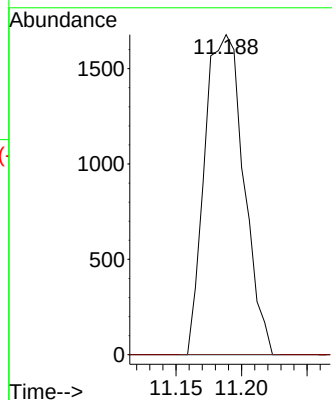
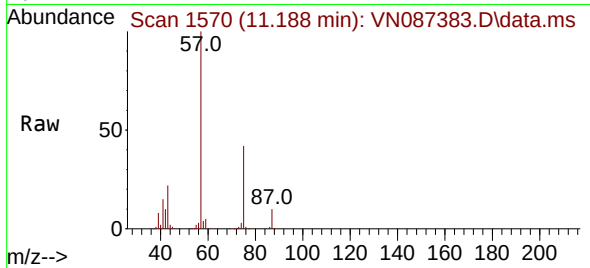




#57
1,3-Dichloropropane
Concen: 0.829 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. 0.047 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

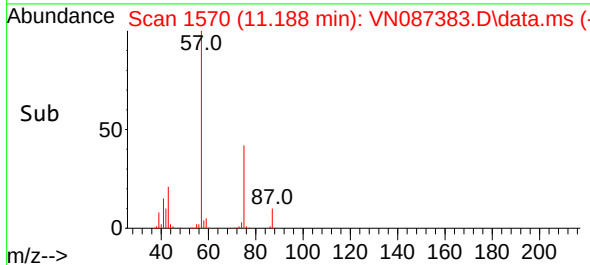
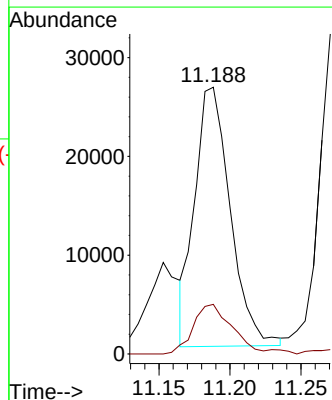
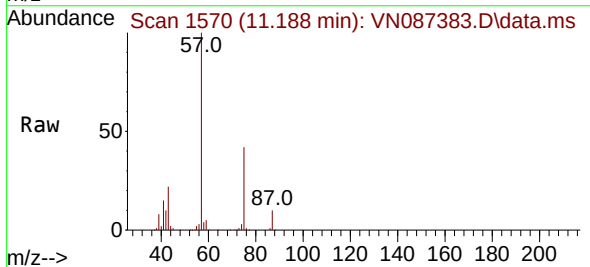
Instrument :
MSVOA_N
ClientSampleId :
WC-6

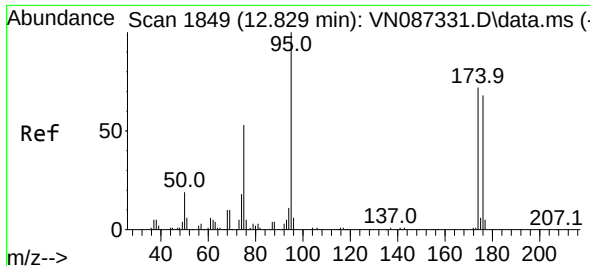
Tgt Ion: 76 Resp: 3469
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 15.916 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

Tgt Ion: 43 Resp: 45551
Ion Ratio Lower Upper
43 100
58 20.8 26.7 80.0#

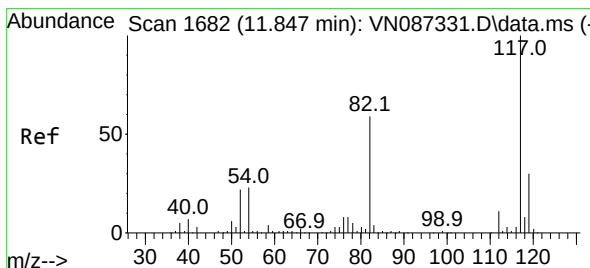
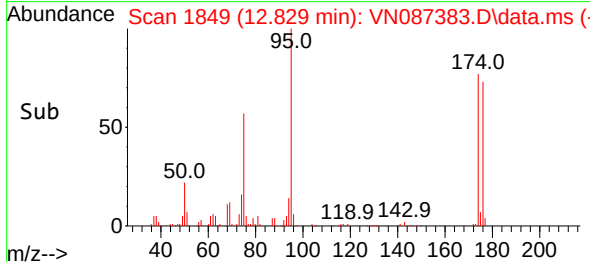
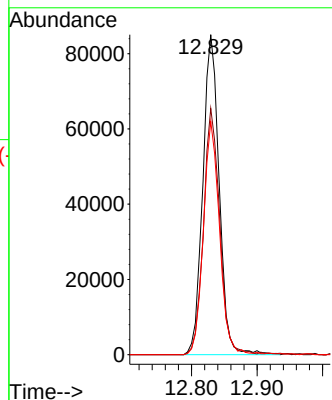
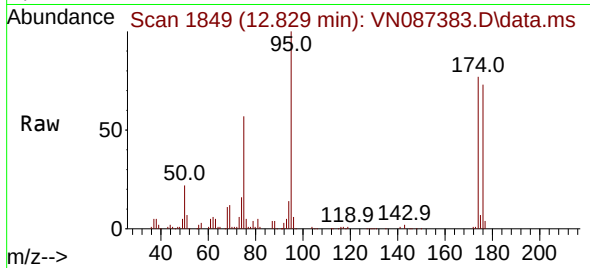




#62
4-Bromofluorobenzene
Concen: 48.860 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

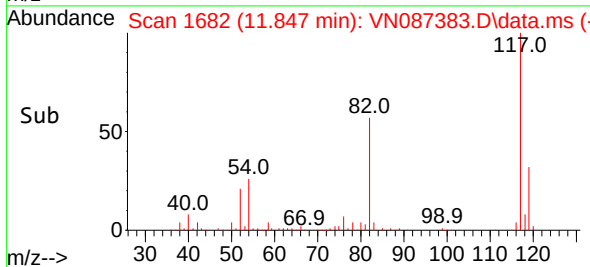
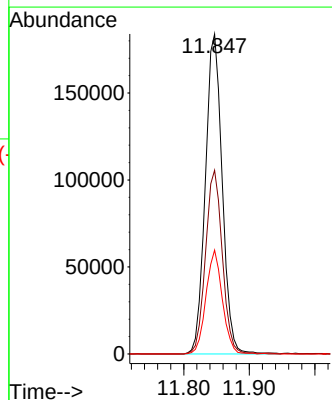
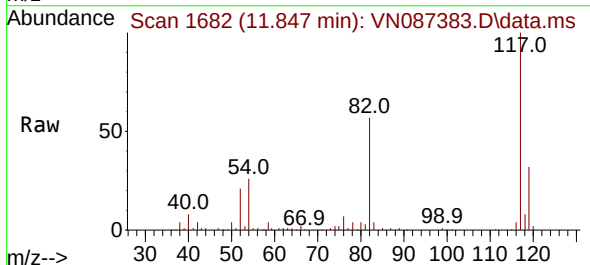
Instrument :
MSVOA_N
ClientSampleId :
WC-6

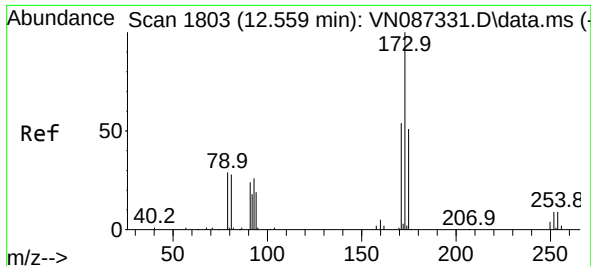
Tgt Ion: 95 Resp: 148263
Ion Ratio Lower Upper
95 100
174 76.1 0.0 149.4
176 71.8 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

Tgt Ion: 117 Resp: 328907
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 32.5 23.8 35.8

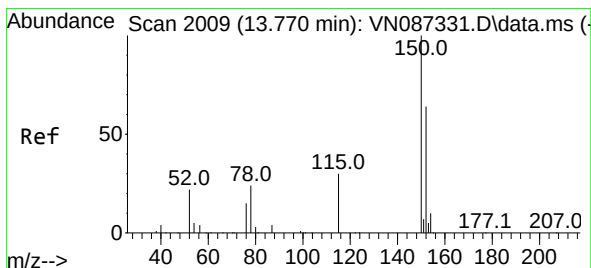
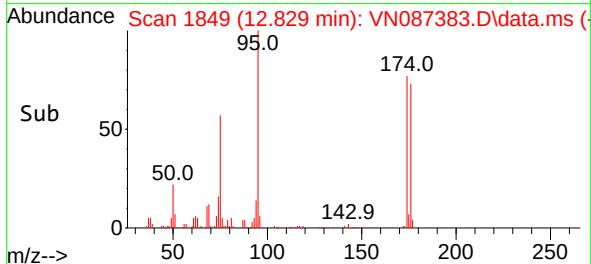
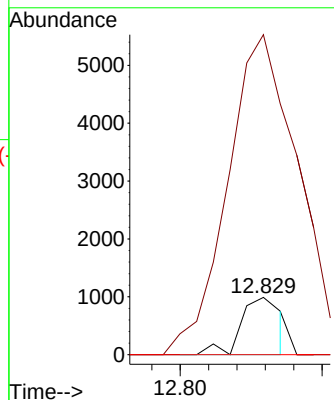
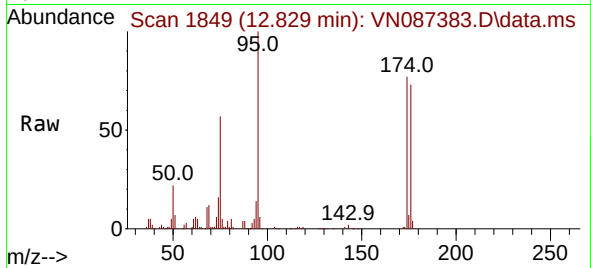




#71
Bromoform
Concen: 0.483 ug/l
RT: 12.829 min Scan# 1803
Delta R.T. 0.271 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

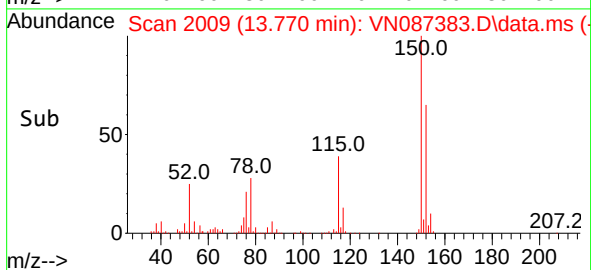
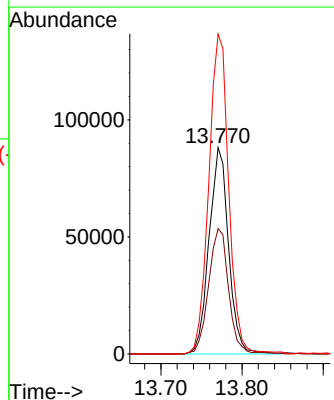
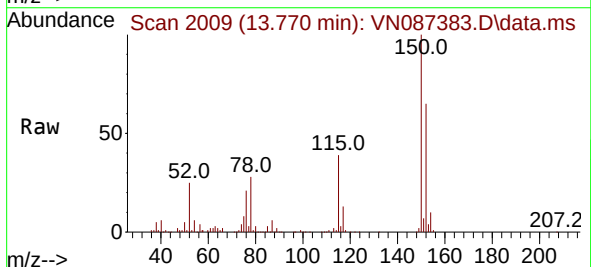
Instrument :
MSVOA_N
ClientSampleId :
WC-6

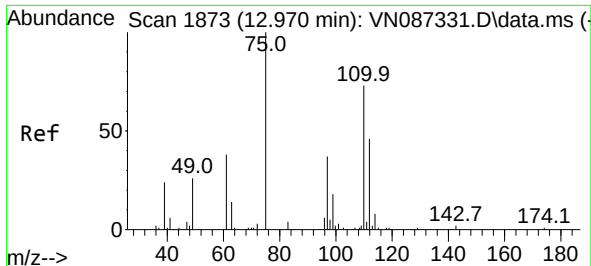
Tgt Ion:173 Resp: 979
Ion Ratio Lower Upper
173 100
175 744.1 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087383.D
Acq: 21 Jul 2025 16:24

Tgt Ion:152 Resp: 146952
Ion Ratio Lower Upper
152 100
115 62.4 31.1 93.5
150 158.3 0.0 349.0

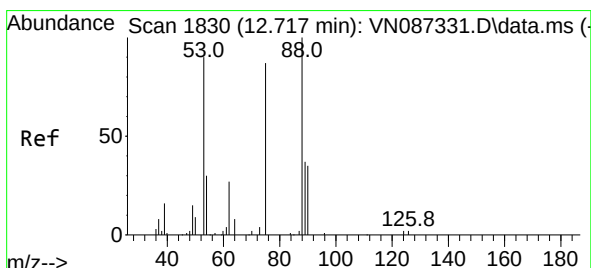
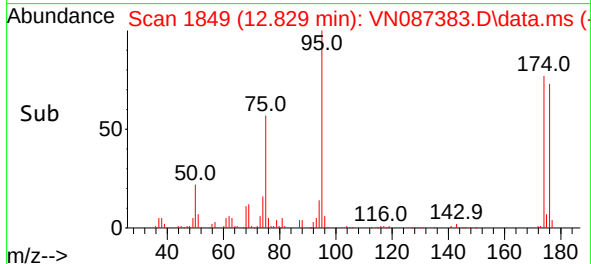
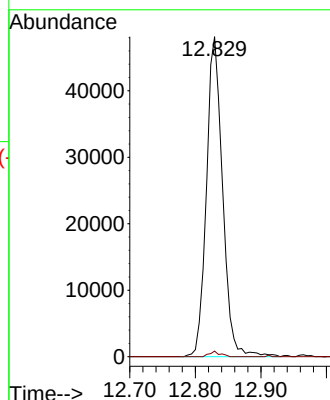
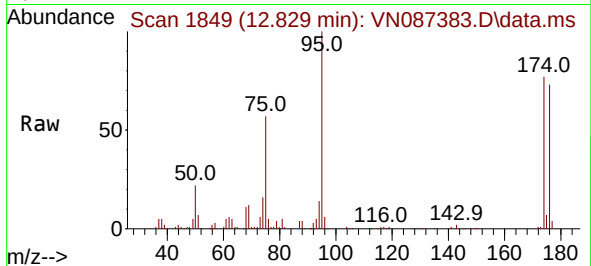




#76
 1,2,3-Trichloropropane
 Concen: 25.035 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087383.D
 Acq: 21 Jul 2025 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-6

Tgt Ion: 75 Resp: 82498
 Ion Ratio Lower Upper
 75 100
 77 1.1 94.5 283.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.500 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN087383.D
 Acq: 21 Jul 2025 16:24

Tgt Ion: 75 Resp: 82498
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.5 125.3#
 89 0.3 38.4 57.6#

