

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087379.D
 Acq On : 21 Jul 2025 14:59
 Operator : JC\MD
 Sample : Q2649-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2

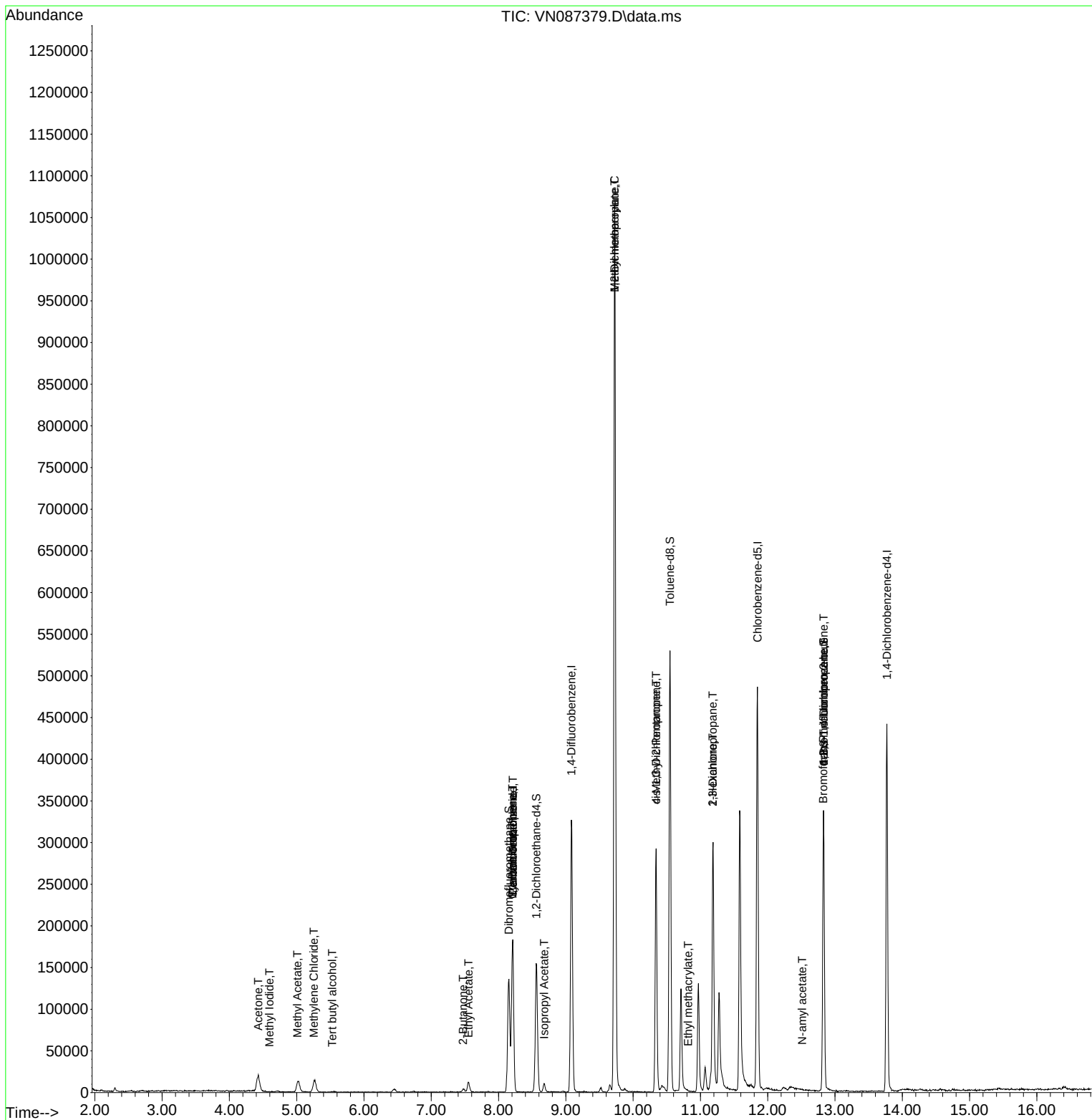
Quant Time: Jul 22 03:08:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

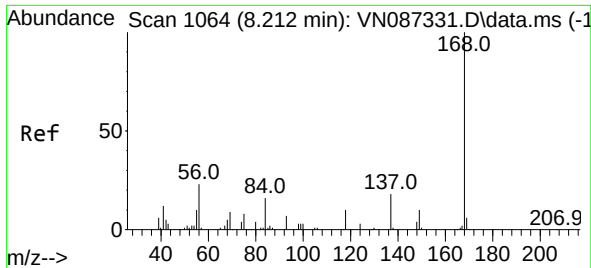
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.212	168	128977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	269676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	267581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	117791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	127299	58.168	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.340%			
35) Dibromofluoromethane	8.153	113	99087	53.266	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.540%			
50) Toluene-d8	10.547	98	355874	53.631	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.260%			
62) 4-Bromofluorobenzene	12.829	95	118362	48.280	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.560%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.595	142	148	5.730	ug/l #	40
11) Tert butyl alcohol	5.530	59	164	0.395	ug/l #	72
16) Acetone	4.430	43	38795	37.808	ug/l	95
18) Methyl Acetate	5.012	43	29313	11.371	ug/l #	70
20) Methylene Chloride	5.253	84	5968	2.837	ug/l	85
25) 2-Butanone	7.471	43	6297	3.972	ug/l	99
31) Cyclohexane	8.206	56	3444	1.280	ug/l #	48
36) 1,1-Dichloropropene	8.206	75	11890	4.838	ug/l #	49
37) Ethyl Acetate	7.553	43	18577	5.234	ug/l	100
38) Carbon Tetrachloride	8.212	117	14022	5.179	ug/l #	13
43) Isopropyl Acetate	8.677	43	11671	2.118	ug/l #	92
45) 1,2-Dichloropropane	9.724	63	1510	0.748	ug/l #	41
48) Methyl methacrylate	9.724	41	98446	39.687	ug/l #	45
51) 4-Methyl-2-Pentanone	10.341	43	112007	32.140	ug/l #	48
54) cis-1,3-Dichloropropene	10.341	75	50145	15.759	ug/l #	63
56) Ethyl methacrylate	10.818	69	204	0.698	ug/l #	24
57) 1,3-Dichloropropane	11.182	76	3244	0.960	ug/l #	42
59) 2-Hexanone	11.182	43	58792	25.428	ug/l #	50
71) Bromoform	12.823	173	953	0.577	ug/l #	29
74) N-amyl acetate	12.512	43	855	0.278	ug/l #	40
76) 1,2,3-Trichloropropane	12.829	75	65318	24.729	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	65318	67.662	ug/l #	8

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

Quant Time: Jul 22 03:08:39 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

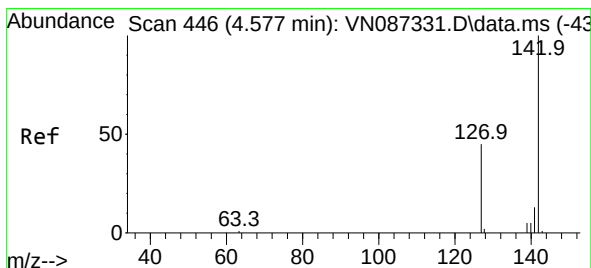
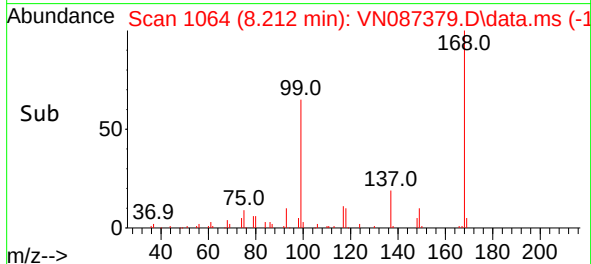
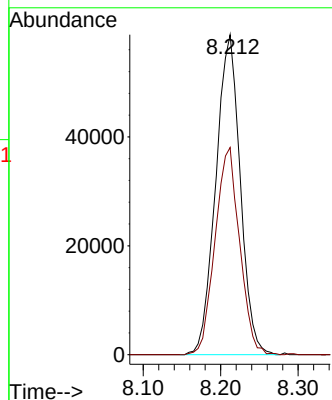
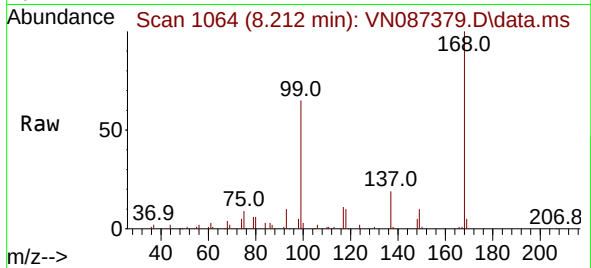




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

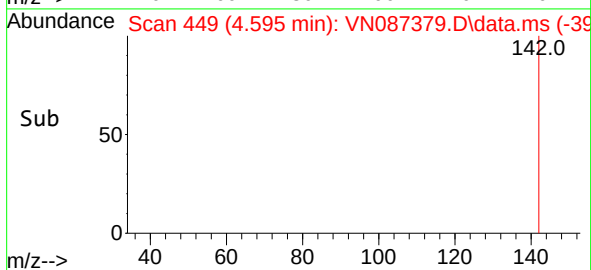
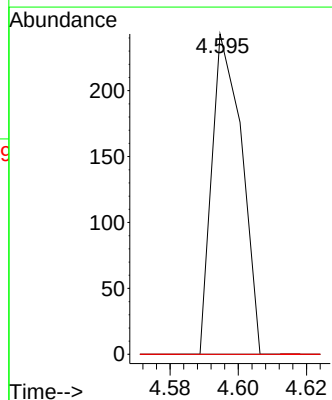
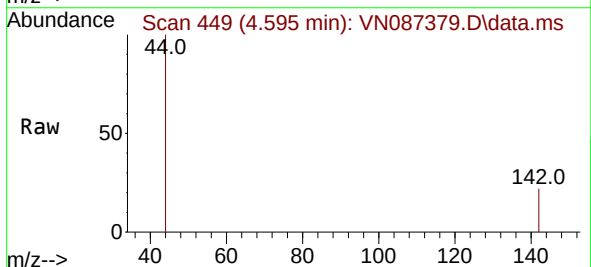
Instrument :
MSVOA_N
ClientSampleId :
WC-2

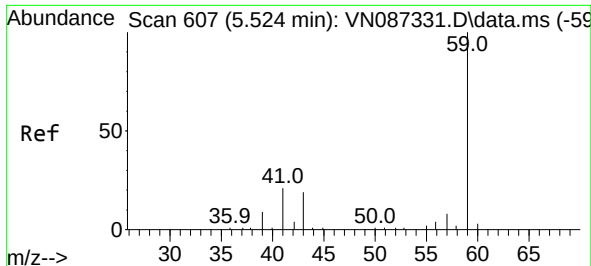
Tgt Ion:168 Resp: 128977
Ion Ratio Lower Upper
168 100
99 64.8 47.9 71.9



#10
Methyl Iodide
Concen: 5.730 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.018 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Tgt Ion:142 Resp: 148
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#

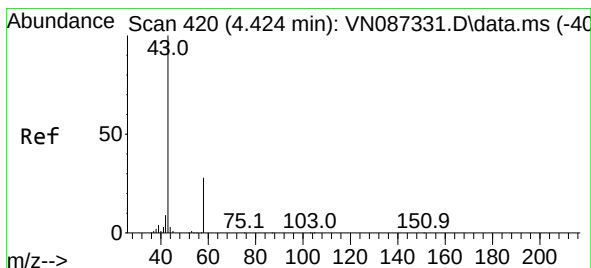
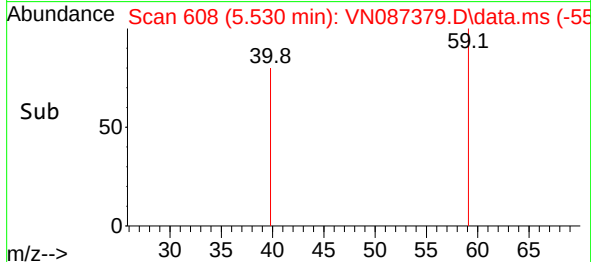
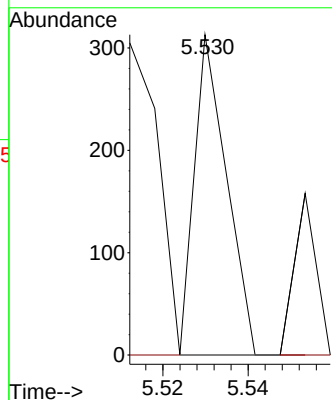
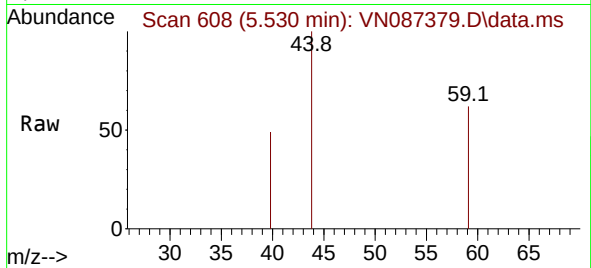




#11
Tert butyl alcohol
Concen: 0.395 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

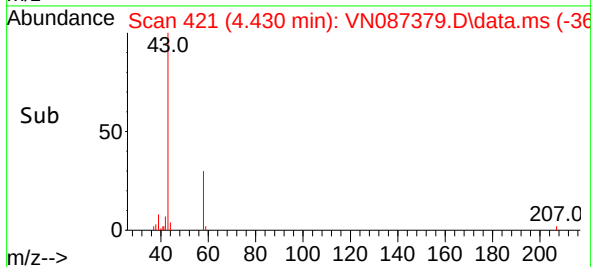
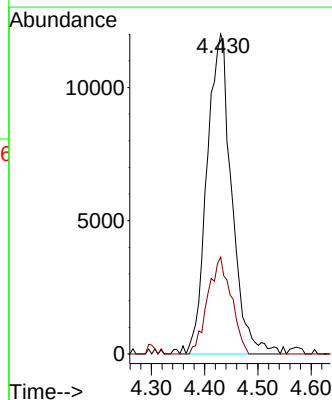
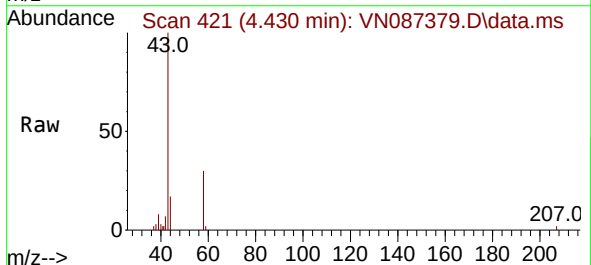
Instrument :
MSVOA_N
ClientSampleId :
WC-2

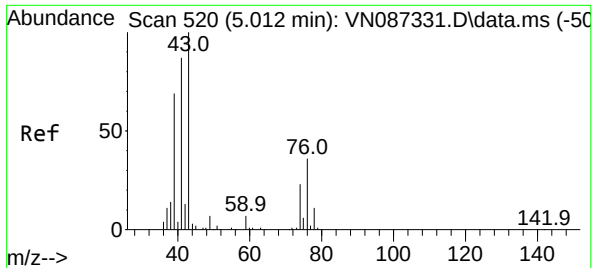
Tgt Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 37.808 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Tgt Ion: 43 Resp: 38795
Ion Ratio Lower Upper
43 100
58 30.3 22.3 33.5

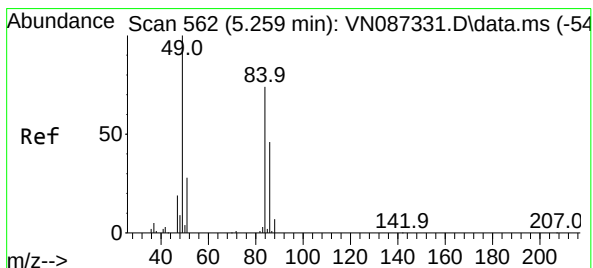
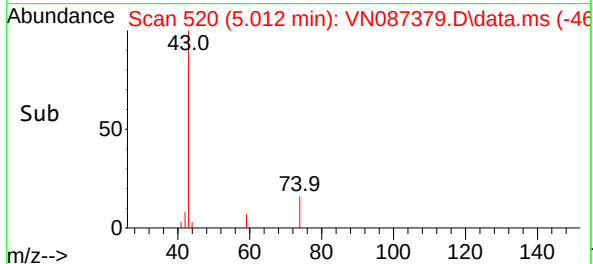
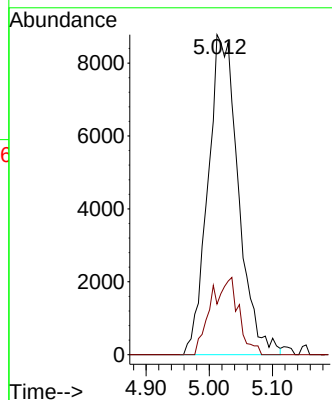
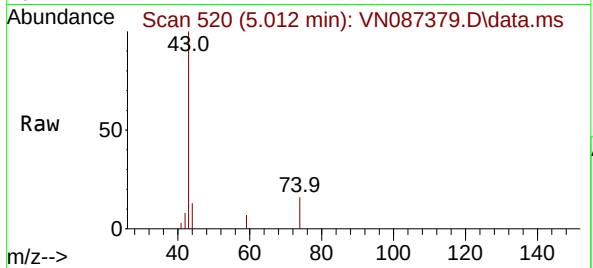




#18
Methyl Acetate
Concen: 11.371 ug/l
RT: 5.012 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

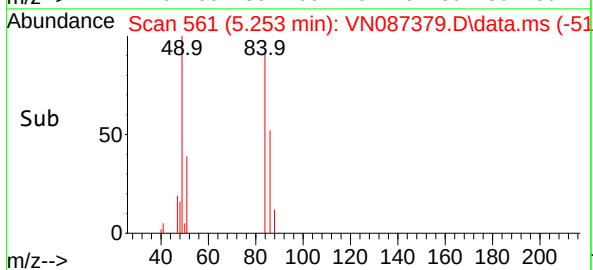
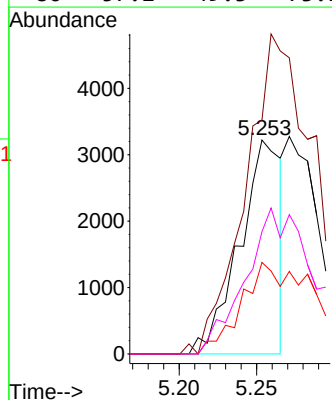
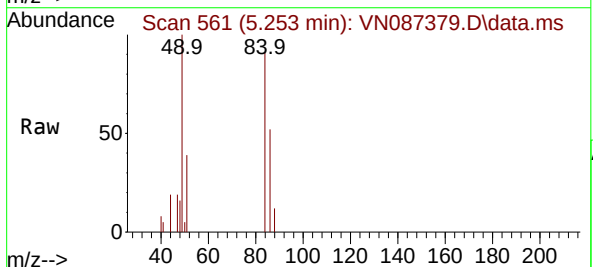
Instrument :
MSVOA_N
ClientSampleId :
WC-2

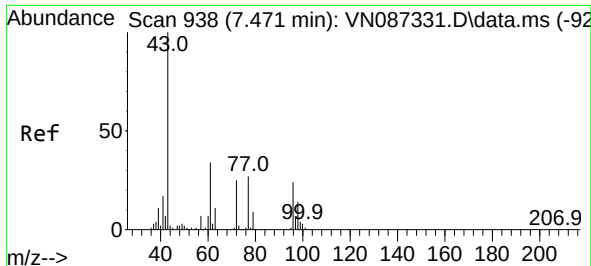
Tgt Ion: 43 Resp: 29313
Ion Ratio Lower Upper
43 100
74 7.8 17.8 26.6#



#20
Methylene Chloride
Concen: 2.837 ug/l
RT: 5.253 min Scan# 561
Delta R.T. -0.006 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Tgt Ion: 84 Resp: 5968
Ion Ratio Lower Upper
84 100
49 109.4 107.5 161.3
51 42.8 30.2 45.2
86 57.2 49.3 73.9

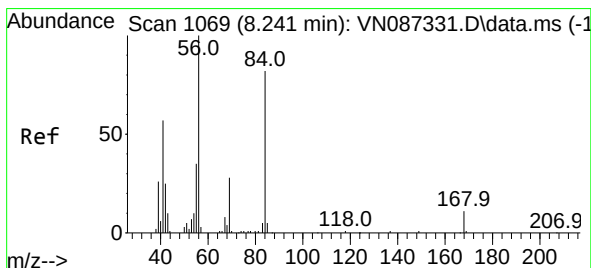
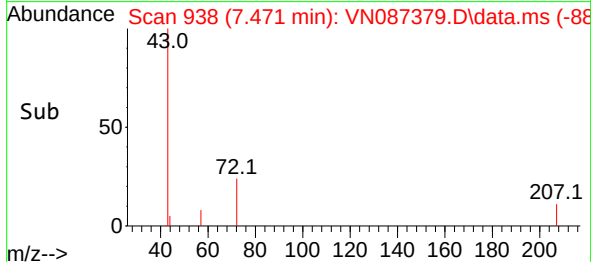
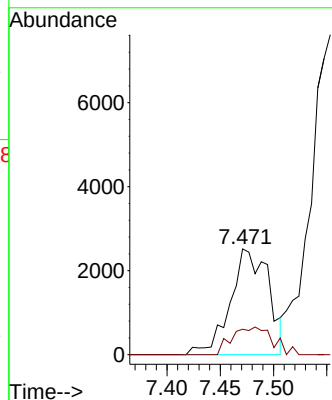
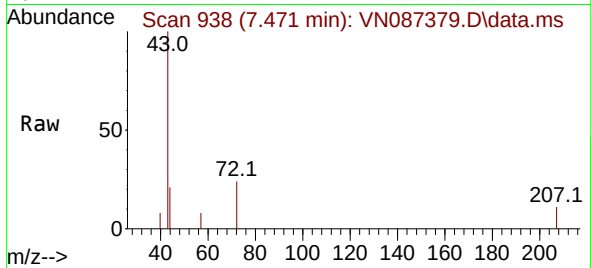




#25
2-Butanone
Concen: 3.972 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

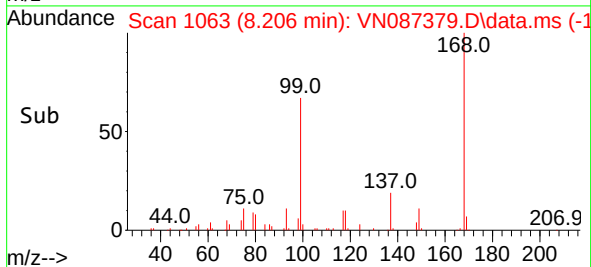
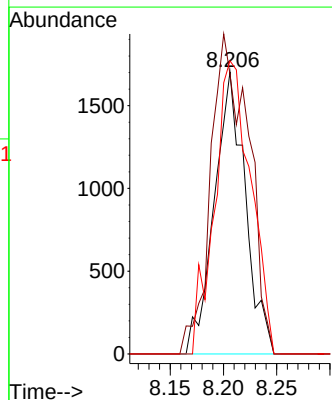
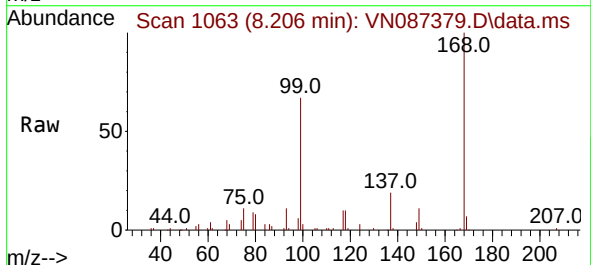
Instrument :
MSVOA_N
ClientSampleId :
WC-2

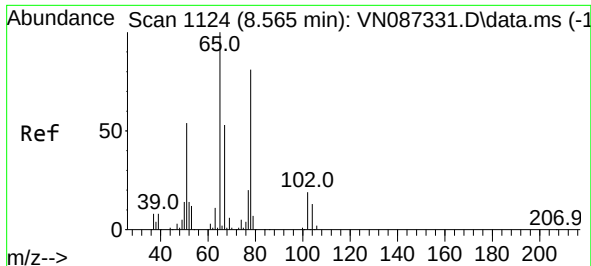
Tgt Ion: 43 Resp: 6297
Ion Ratio Lower Upper
43 100
72 24.0 19.6 29.4



#31
Cyclohexane
Concen: 1.280 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Tgt Ion: 56 Resp: 3444
Ion Ratio Lower Upper
56 100
69 99.2 22.7 34.1#
84 103.9 65.8 98.6#





#33

1,2-Dichloroethane-d4

Concen: 58.168 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087379.D

Acq: 21 Jul 2025 14:59

Instrument :

MSVOA_N

ClientSampleId :

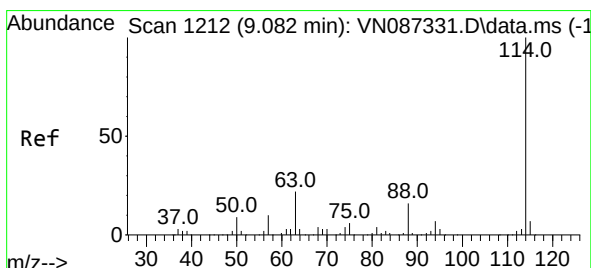
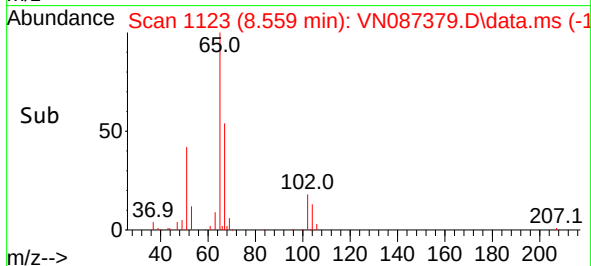
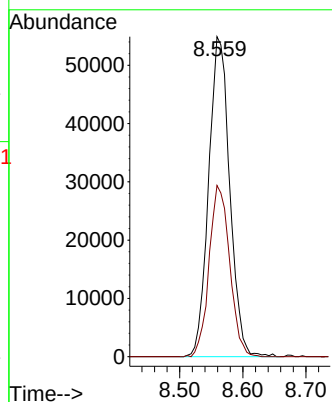
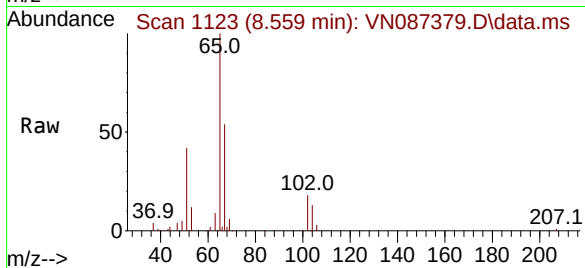
WC-2

Tgt Ion: 65 Resp: 127299

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VN087379.D

Acq: 21 Jul 2025 14:59

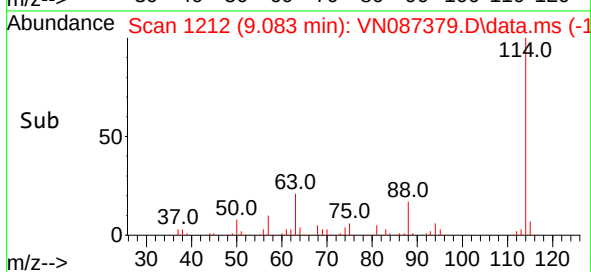
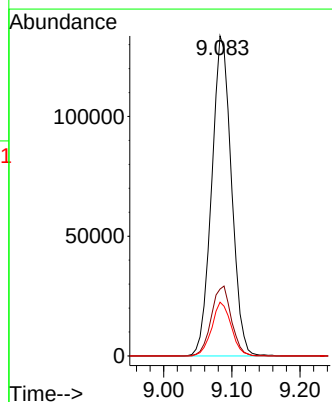
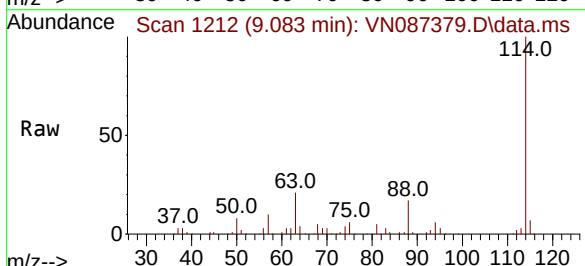
Tgt Ion: 114 Resp: 269676

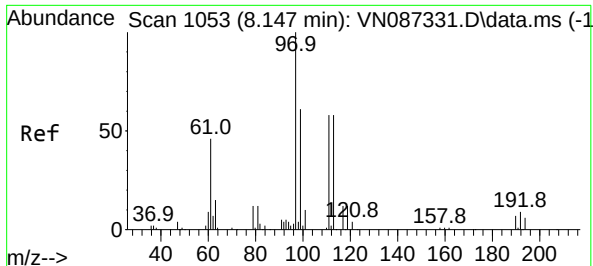
Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.6

88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.266 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087379.D

Acq: 21 Jul 2025 14:59

Instrument :

MSVOA_N

ClientSampleId :

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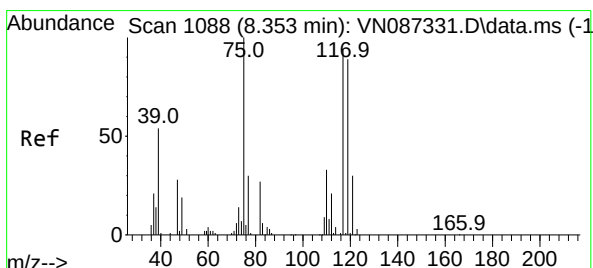
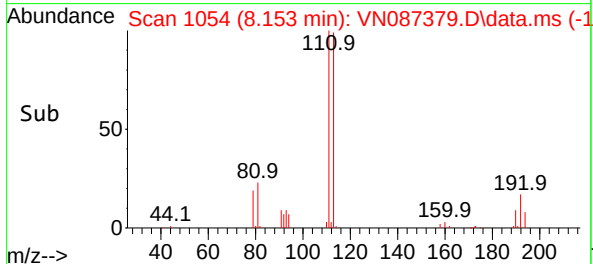
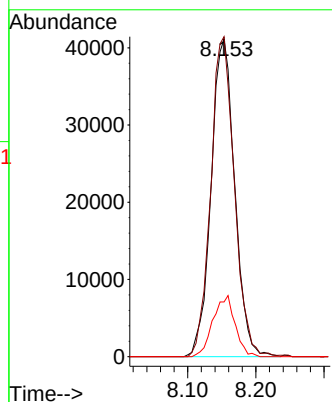
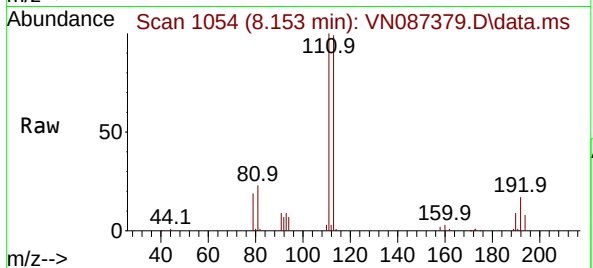
Tgt Ion:113 Resp: 99087

Ion Ratio Lower Upper

113 100

111 100.5 82.5 123.7

192 18.0 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.838 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087379.D

Acq: 21 Jul 2025 14:59

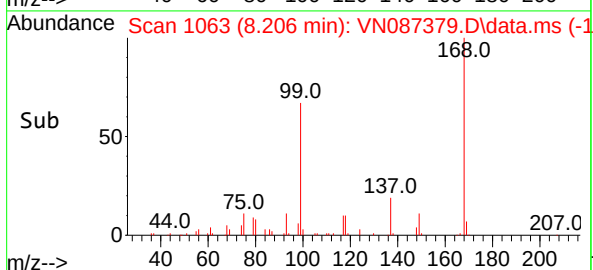
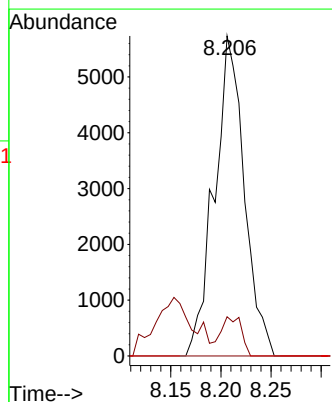
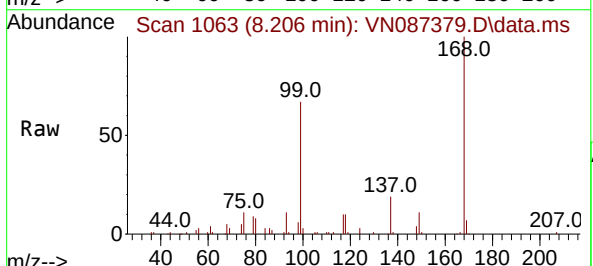
Tgt Ion: 75 Resp: 11890

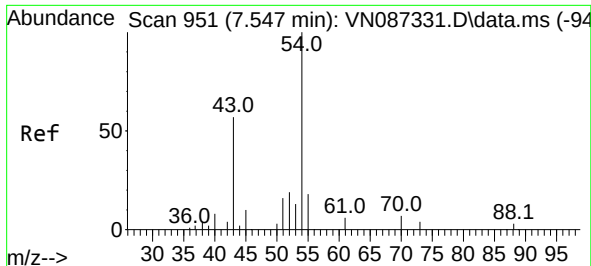
Ion Ratio Lower Upper

75 100

110 8.0 16.7 50.1#

77 0.0 25.2 37.8#

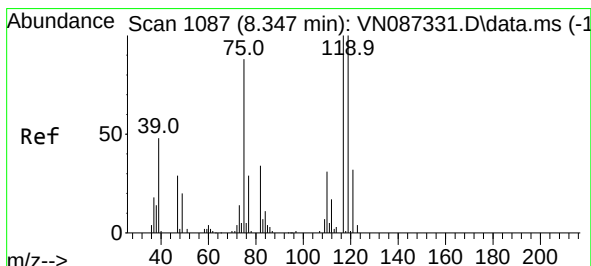
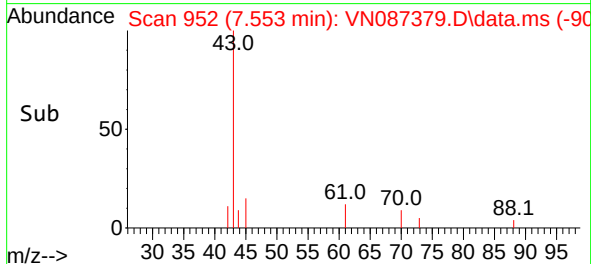
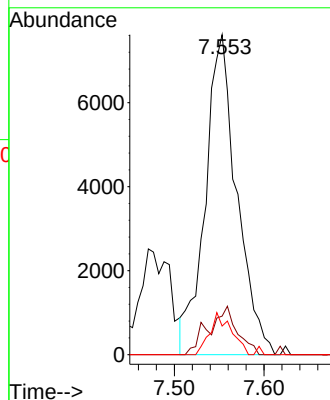
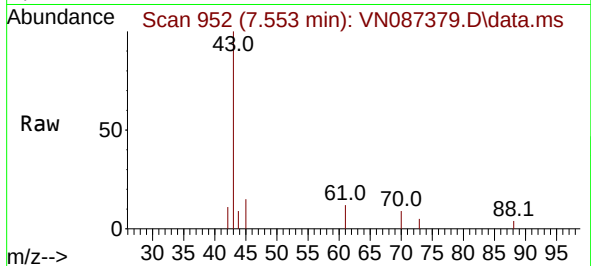




#37
Ethyl Acetate
Concen: 5.234 ug/l
RT: 7.553 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

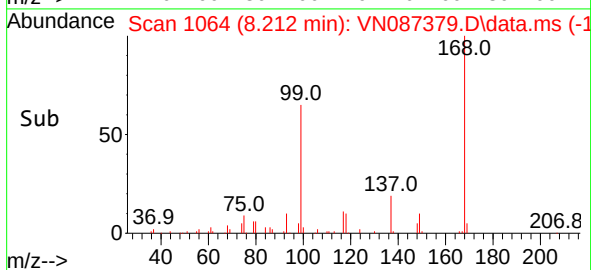
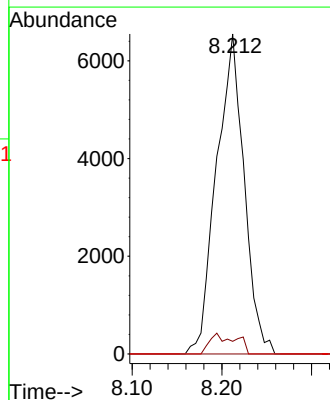
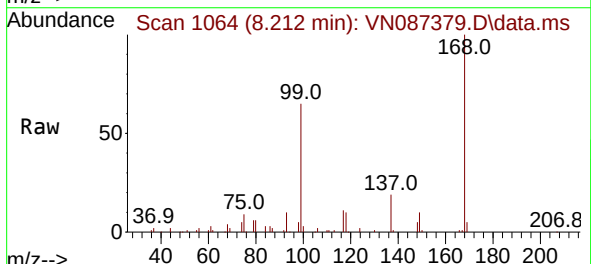
Instrument :
MSVOA_N
ClientSampleId :
WC-2

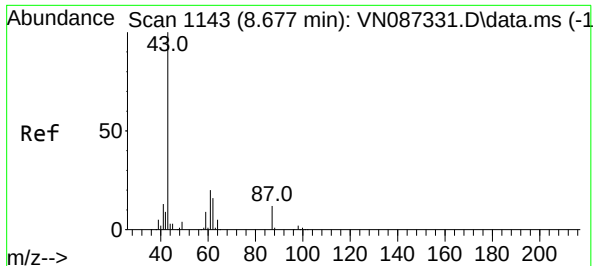
Tgt Ion:	43	Resp:	18577
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	9.0	7.4	11.0



#38
Carbon Tetrachloride
Concen: 5.179 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Tgt Ion:	117	Resp:	14022
Ion	Ratio	Lower	Upper
117	100		
119	4.0	80.2	120.2#
121	0.0	25.4	38.2#

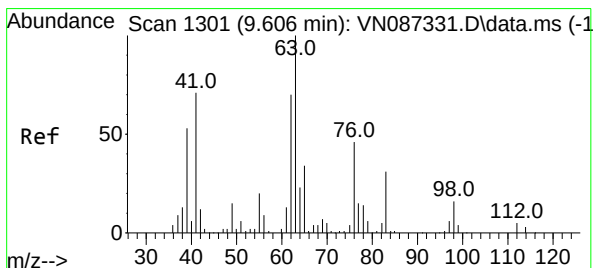
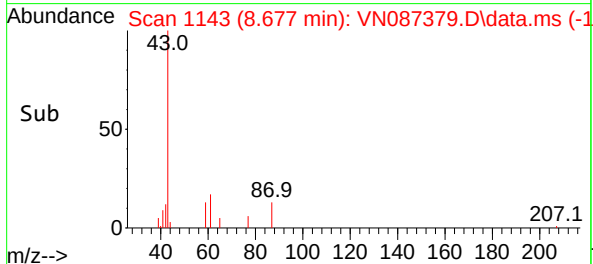
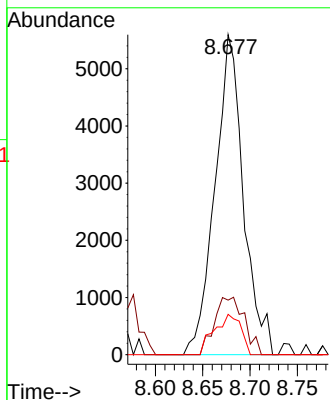
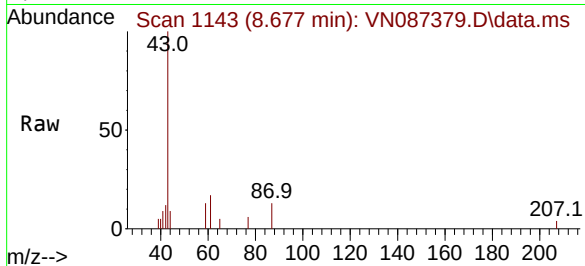




#43
Isopropyl Acetate
Concen: 2.118 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

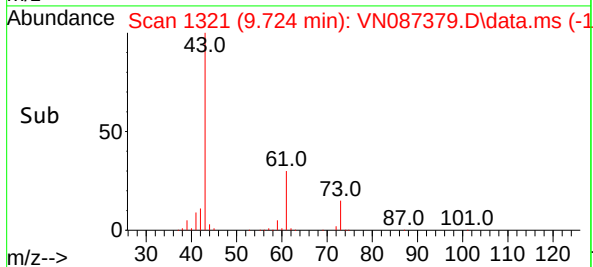
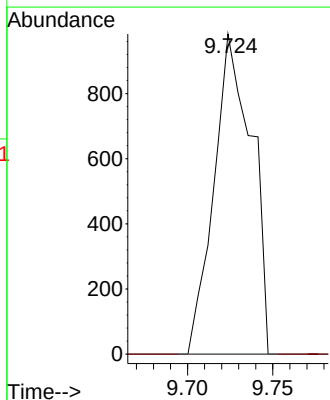
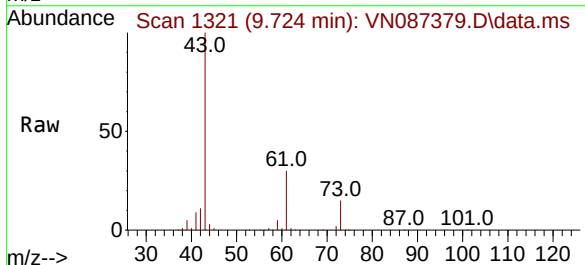
Instrument :
MSVOA_N
ClientSampleId :
WC-2

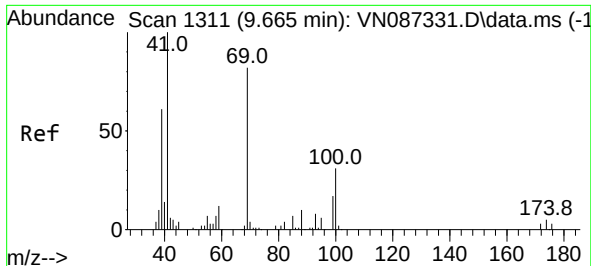
Tgt Ion:	43	Resp:	11671
Ion	Ratio	Lower	Upper
43	100		
61	18.9	19.8	29.8#
87	11.8	9.8	14.6



#45
1,2-Dichloropropane
Concen: 0.748 ug/l
RT: 9.724 min Scan# 1321
Delta R.T. 0.118 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Tgt Ion:	63	Resp:	1510
Ion	Ratio	Lower	Upper
63	100		
65	0.0	27.0	40.4#

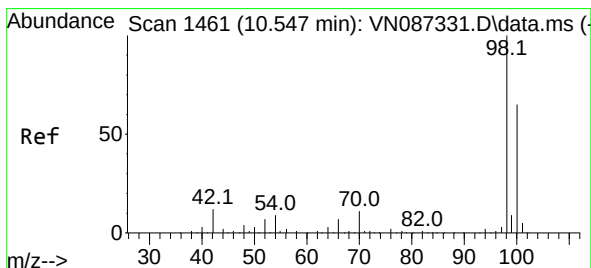
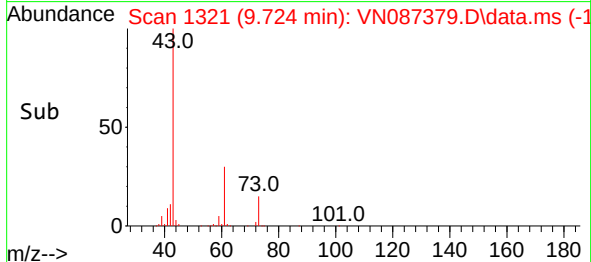
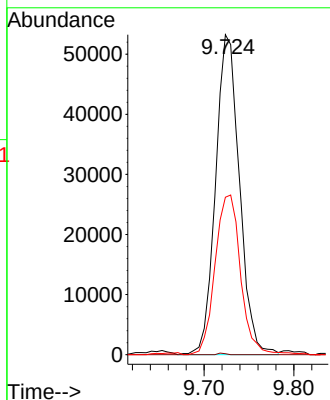
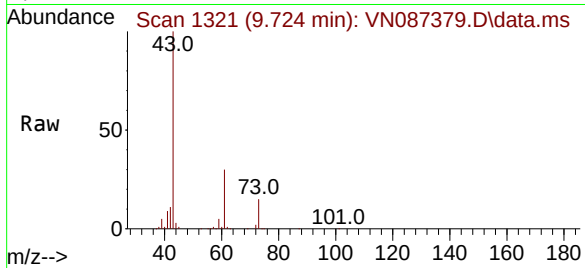




#48
Methyl methacrylate
Concen: 39.687 ug/l
RT: 9.724 min Scan# 1311
Delta R.T. 0.059 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

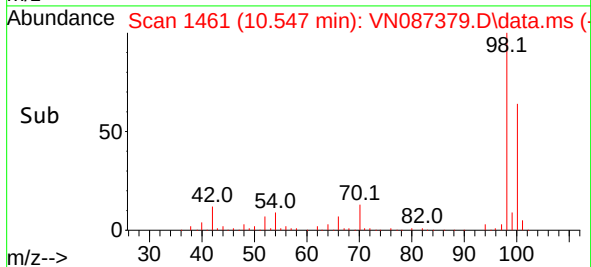
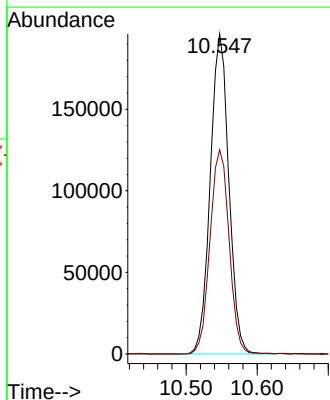
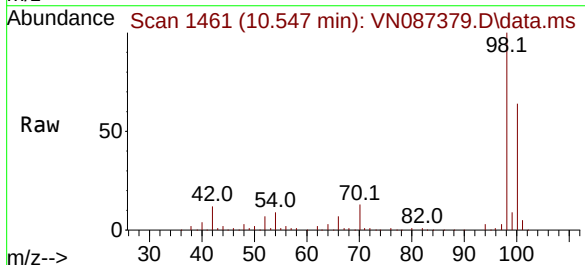
Instrument :
MSVOA_N
ClientSampleId :
WC-2

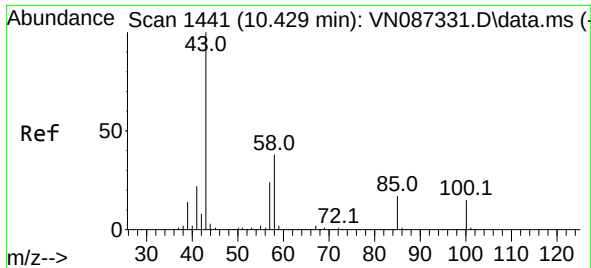
Tgt Ion: 41 Resp: 98446
Ion Ratio Lower Upper
41 100
69 0.2 64.1 96.1#
39 53.4 45.5 68.3



#50
Toluene-d8
Concen: 53.631 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Tgt Ion: 98 Resp: 355874
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1

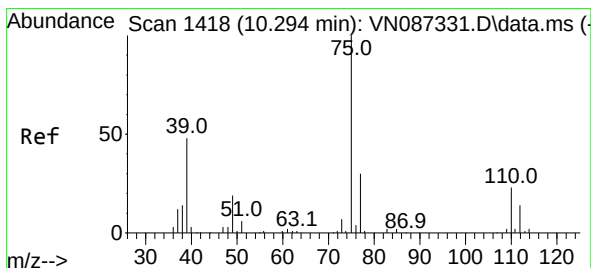
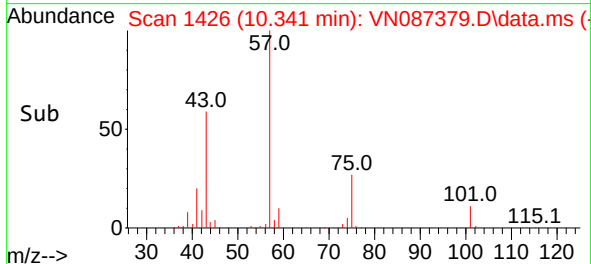
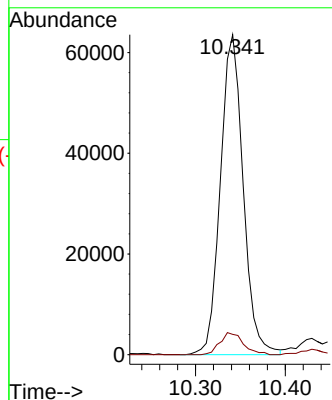
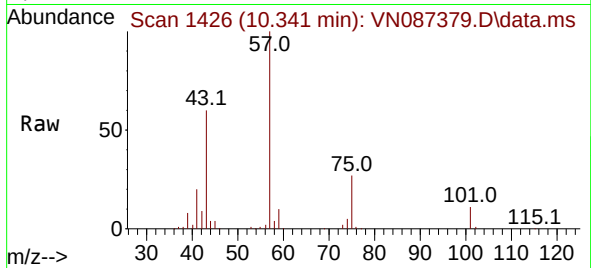




#51
4-Methyl-2-Pentanone
Concen: 32.140 ug/l
RT: 10.341 min Scan# 1426
Delta R.T. -0.088 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

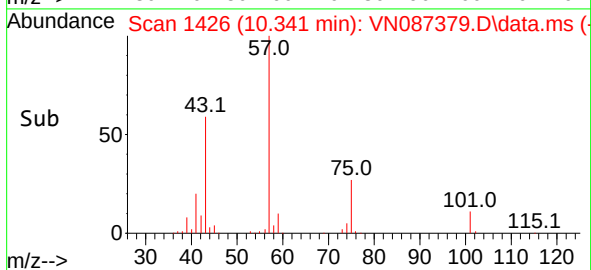
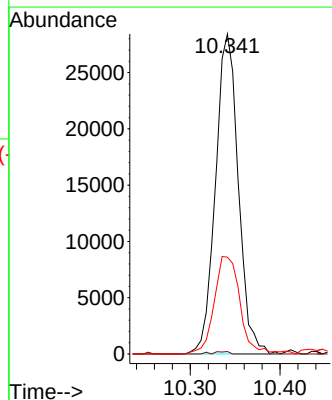
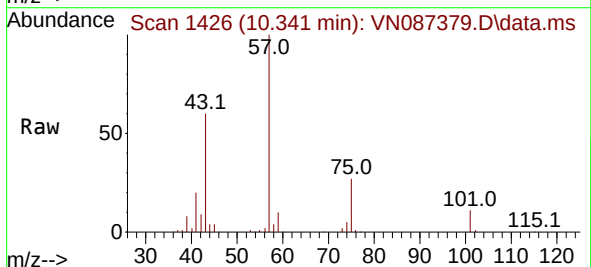
Instrument :
MSVOA_N
ClientSampleId :
WC-2

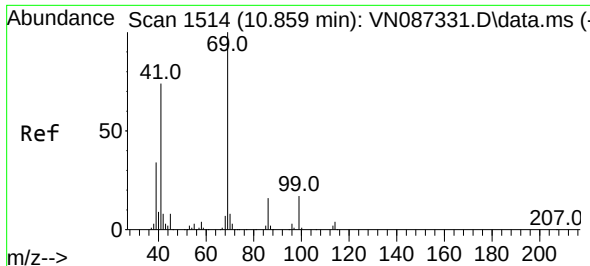
Tgt Ion: 43 Resp: 112007
Ion Ratio Lower Upper
43 100
58 7.1 30.8 46.2#



#54
cis-1,3-Dichloropropene
Concen: 15.759 ug/l
RT: 10.341 min Scan# 1426
Delta R.T. 0.047 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Tgt Ion: 75 Resp: 50145
Ion Ratio Lower Upper
75 100
77 0.7 24.2 36.2#
39 30.2 38.4 57.6#

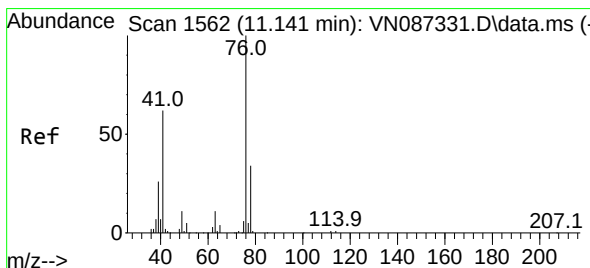
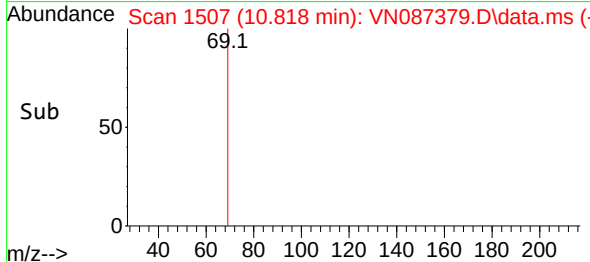
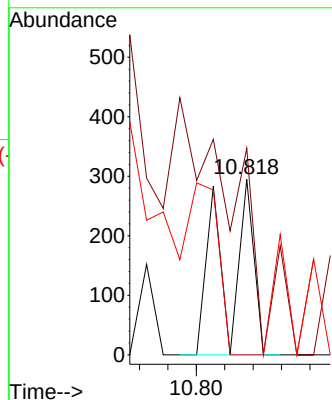
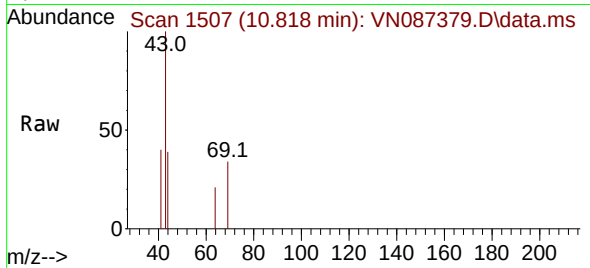




#56
Ethyl methacrylate
Concen: 0.698 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.041 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

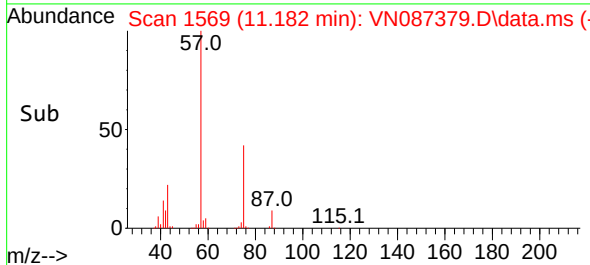
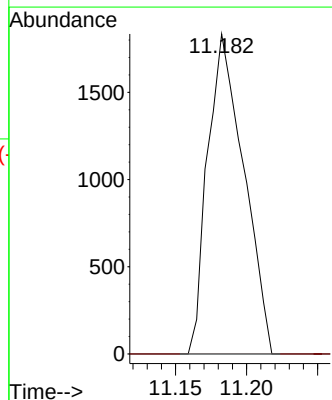
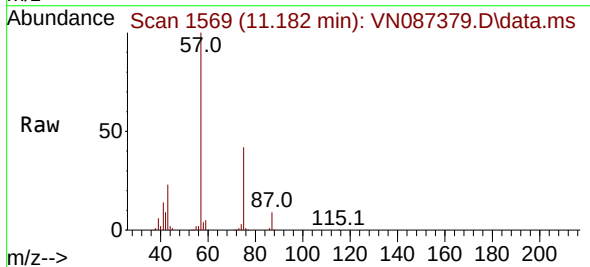
Instrument :
MSVOA_N
ClientSampleId :
WC-2

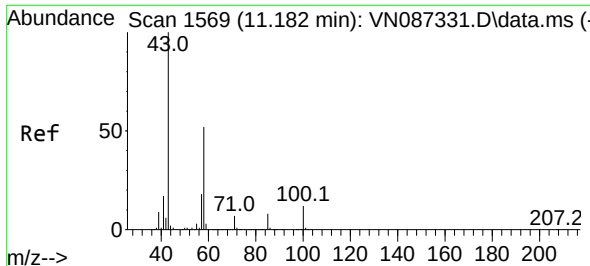
Tgt Ion: 69 Resp: 204
Ion Ratio Lower Upper
69 100
41 0.0 55.1 82.7#
39 0.0 27.9 41.9#



#57
1,3-Dichloropropane
Concen: 0.960 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. 0.041 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Tgt Ion: 76 Resp: 3244
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

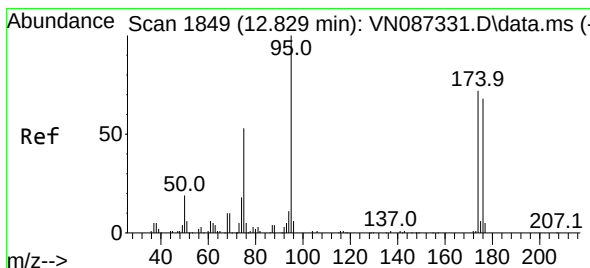
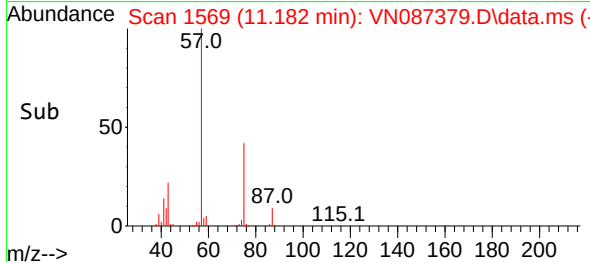
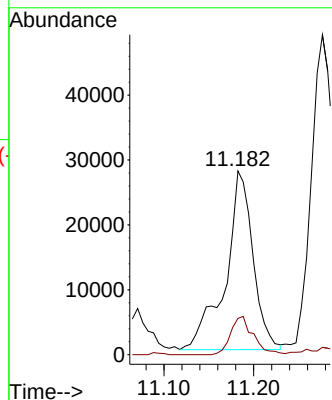
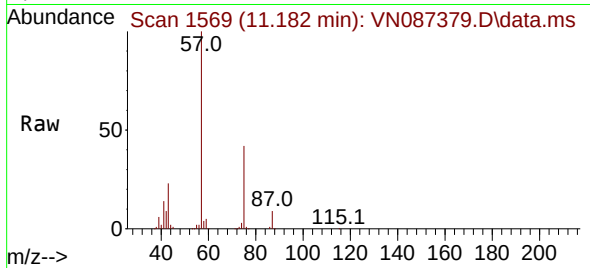




#59
2-Hexanone
Concen: 25.428 ug/l
RT: 11.182 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

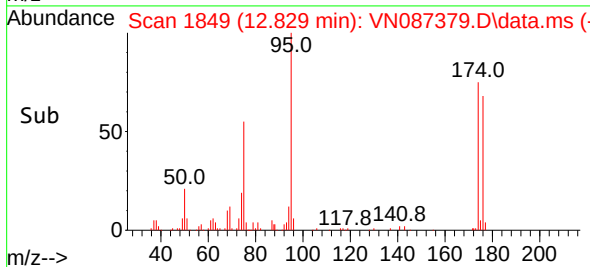
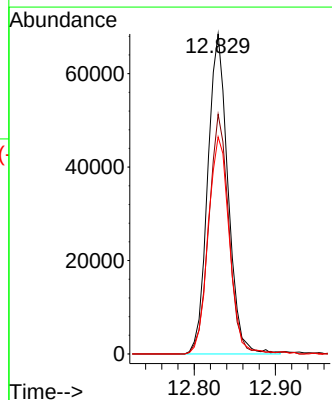
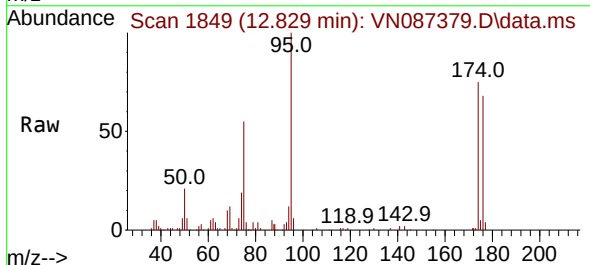
Instrument :
MSVOA_N
ClientSampleId :
WC-2

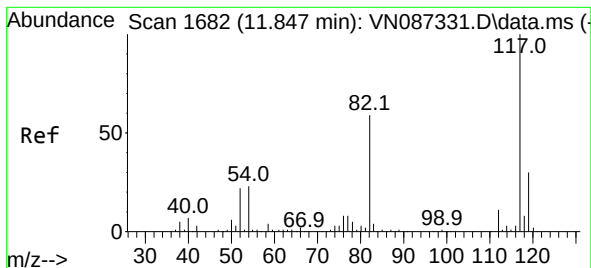
Tgt Ion: 43 Resp: 58792
Ion Ratio Lower Upper
43 100
58 17.6 26.7 80.0#



#62
4-Bromofluorobenzene
Concen: 48.280 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Tgt Ion: 95 Resp: 118362
Ion Ratio Lower Upper
95 100
174 74.8 0.0 149.4
176 71.0 0.0 141.2

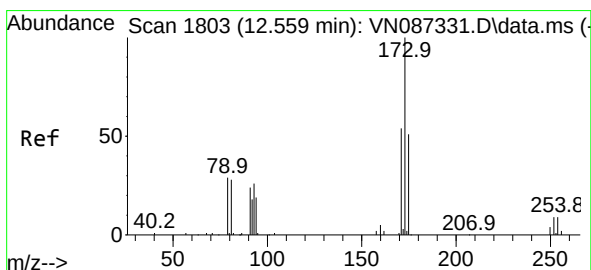
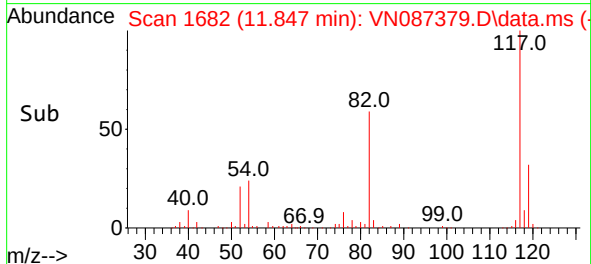
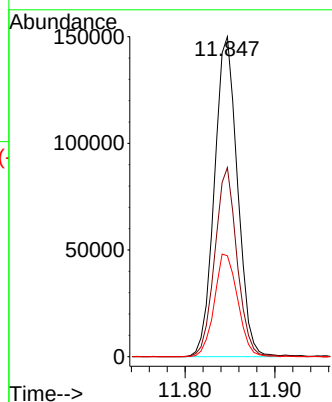
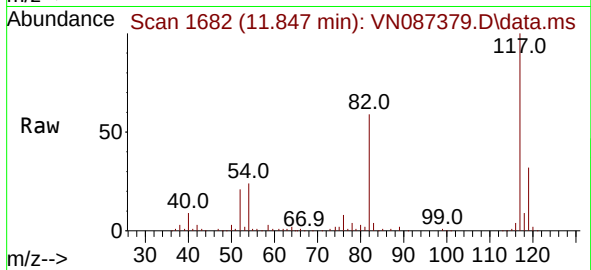




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

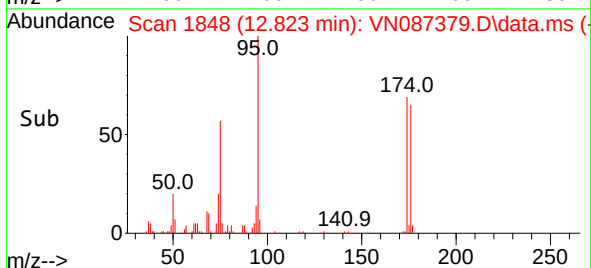
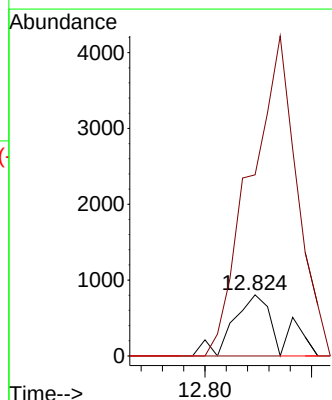
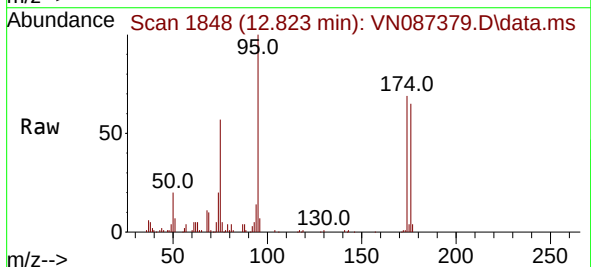
Instrument :
MSVOA_N
ClientSampleId :
WC-2

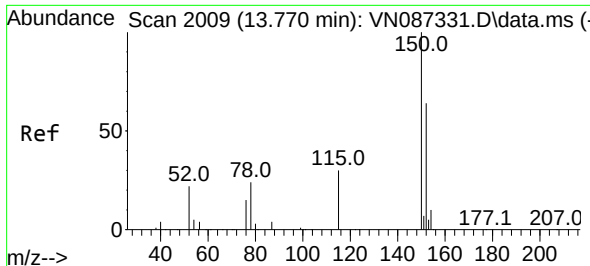
Tgt Ion:117 Resp: 267581
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 31.5 23.8 35.8



#71
Bromoform
Concen: 0.577 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.265 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Tgt Ion:173 Resp: 953
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0

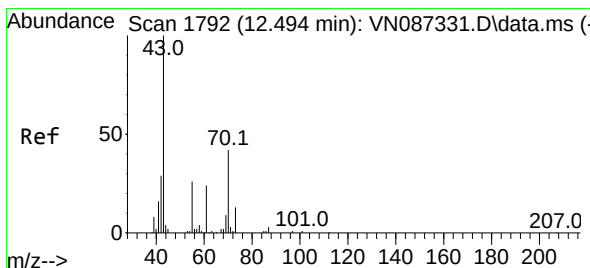
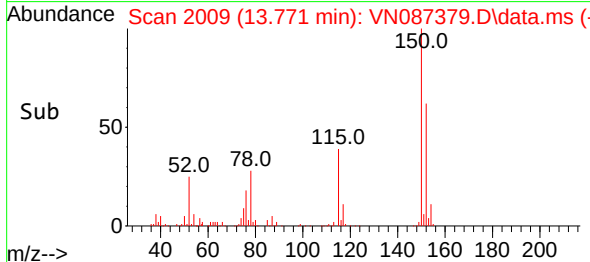
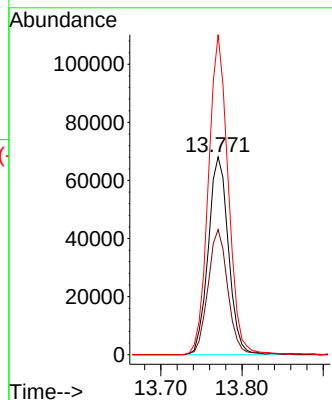
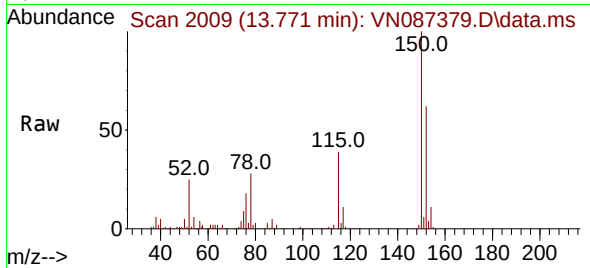




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

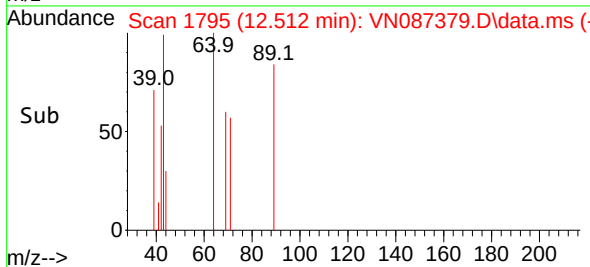
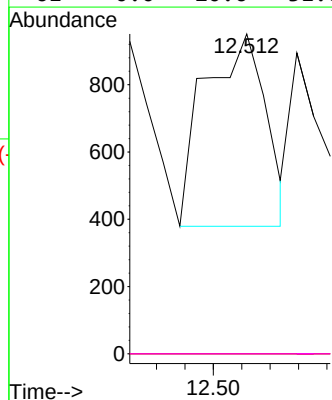
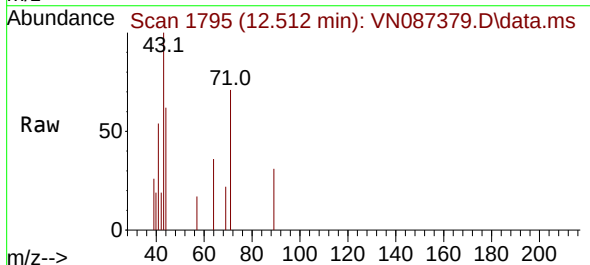
Instrument :
MSVOA_N
ClientSampleId :
WC-2

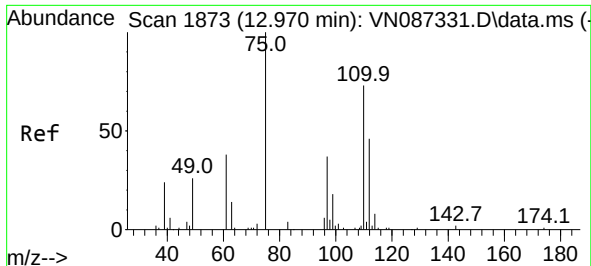
Tgt Ion:152 Resp: 117791
Ion Ratio Lower Upper
152 100
115 61.9 31.1 93.5
150 158.5 0.0 349.0



#74
N-ethyl acetate
Concen: 0.278 ug/l
RT: 12.512 min Scan# 1795
Delta R.T. 0.018 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
70 0.0 37.6 56.4#
55 0.0 19.6 29.4#
61 0.0 20.6 31.0#

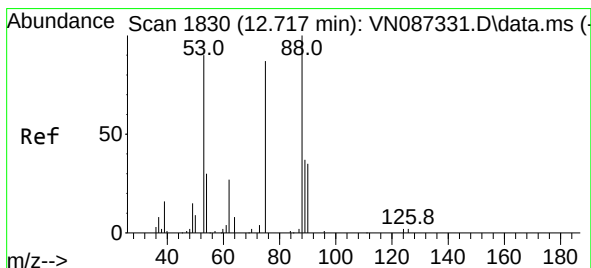
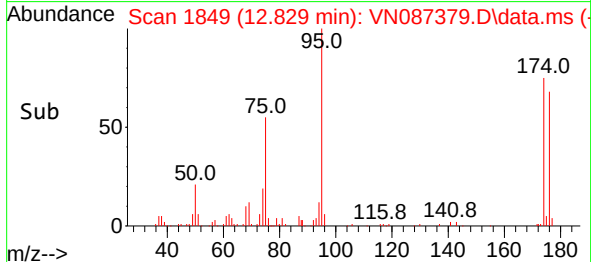
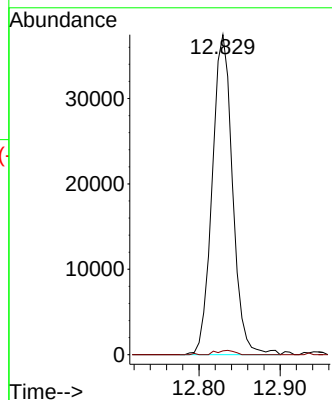
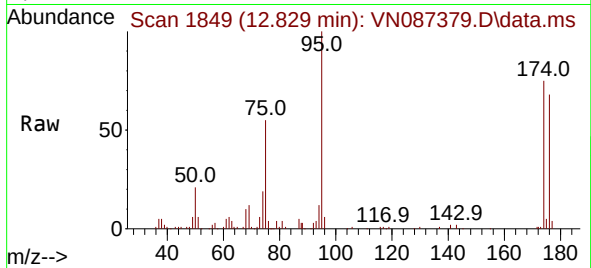




#76
1,2,3-Trichloropropane
Concen: 24.729 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Instrument :
MSVOA_N
ClientSampleId :
WC-2

Tgt Ion: 75 Resp: 65318
Ion Ratio Lower Upper
75 100
77 1.2 94.5 283.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.662 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087379.D
Acq: 21 Jul 2025 14:59

Tgt Ion: 75 Resp: 65318
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.8 38.4 57.6#

