

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087380.D
 Acq On : 21 Jul 2025 15:20
 Operator : JC\MD
 Sample : Q2649-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

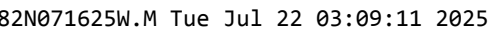
Quant Time: Jul 22 03:09:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

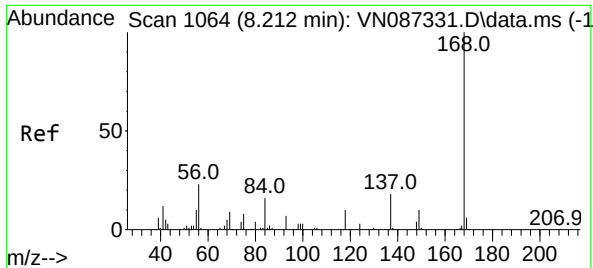
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	154483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	324874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	322391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	144929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	153993	58.748	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.500%			
35) Dibromofluoromethane	8.153	113	115340	51.469	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.940%			
50) Toluene-d8	10.547	98	429241	53.696	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.400%			
62) 4-Bromofluorobenzene	12.829	95	148103	50.148	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.300%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.512	59	428	0.860	ug/l #	72
16) Acetone	4.424	43	37754	30.719	ug/l #	88
18) Methyl Acetate	5.024	43	31032	10.050	ug/l #	78
20) Methylene Chloride	5.259	84	9146	3.811	ug/l #	88
25) 2-Butanone	7.471	43	6589	3.470	ug/l	95
29) Tetrahydrofuran	7.824	42	271	0.220	ug/l #	35
31) Cyclohexane	8.212	56	3554	1.103	ug/l #	1
36) 1,1-Dichloropropene	8.206	75	13923	4.703	ug/l #	47
37) Ethyl Acetate	7.553	43	18534	4.334	ug/l	98
38) Carbon Tetrachloride	8.212	117	16898	5.181	ug/l #	12
43) Isopropyl Acetate	8.677	43	12601	1.898	ug/l #	88
45) 1,2-Dichloropropane	9.718	63	1400	0.576	ug/l #	41
48) Methyl methacrylate	9.724	41	113164	37.869	ug/l #	44
49) 1,4-Dioxane	9.735	88	125	2.731	ug/l #	1
51) 4-Methyl-2-Pentanone	10.341	43	122457	29.169	ug/l #	47
54) cis-1,3-Dichloropropene	10.341	75	55307	14.428	ug/l #	68
56) Ethyl methacrylate	10.935	69	58	0.650	ug/l #	24
57) 1,3-Dichloropropane	11.188	76	4010	0.985	ug/l #	42
59) 2-Hexanone	11.188	43	65059	23.357	ug/l #	49
76) 1,2,3-Trichloropropane	12.829	75	81212	24.989	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	81212	68.374	ug/l #	8

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

Quant Time: Jul 22 03:09:02 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

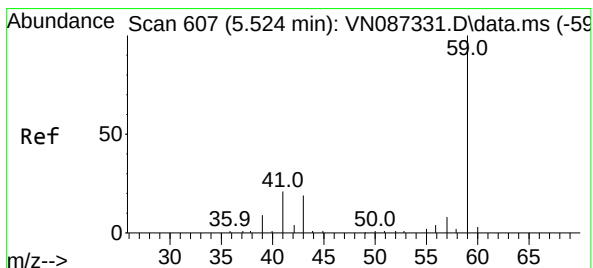
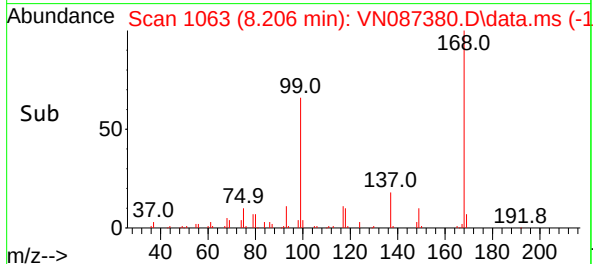
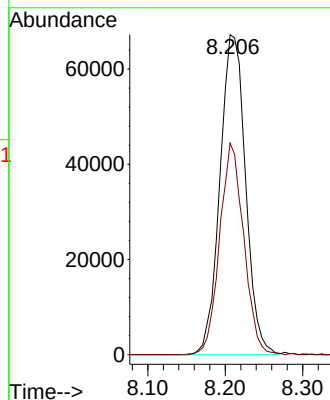
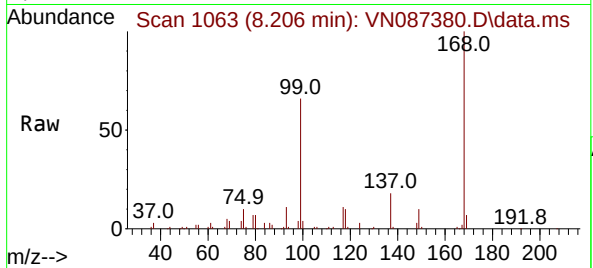




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

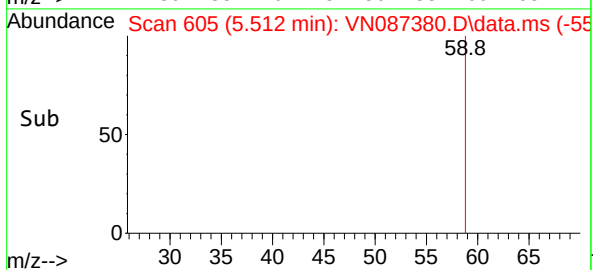
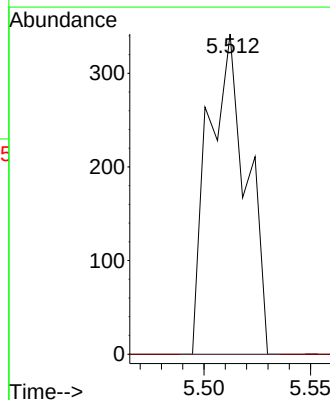
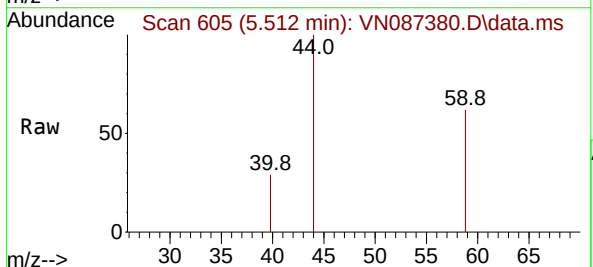
Instrument :
MSVOA_N
ClientSampleId :
WC-3

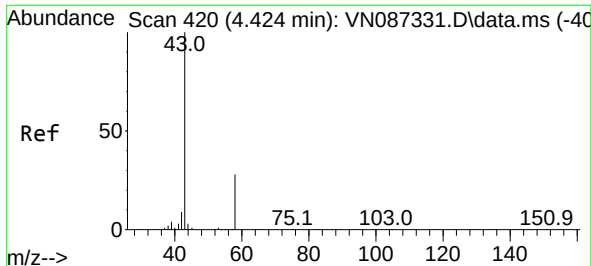
Tgt Ion:168 Resp: 154483
Ion Ratio Lower Upper
168 100
99 66.1 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.860 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

Tgt Ion: 59 Resp: 428
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

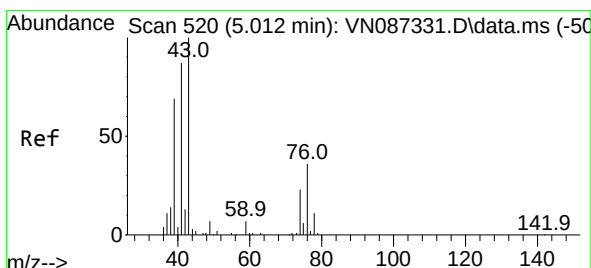
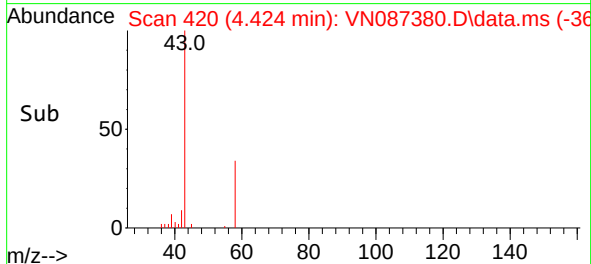
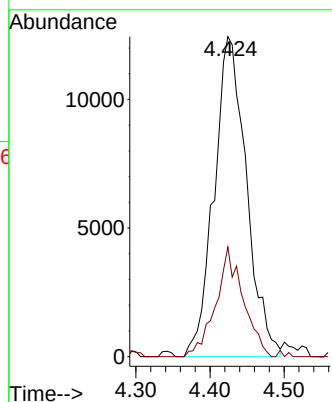
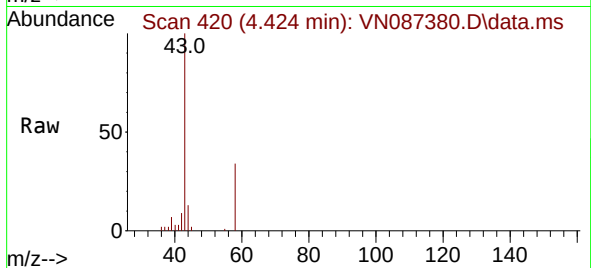




#16
Acetone
Concen: 30.719 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

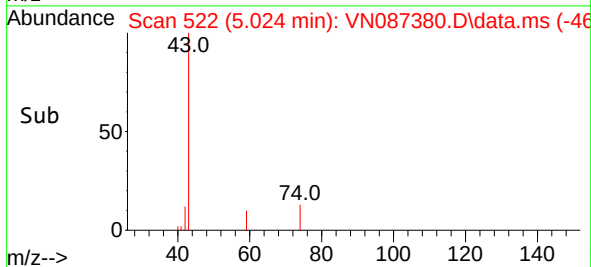
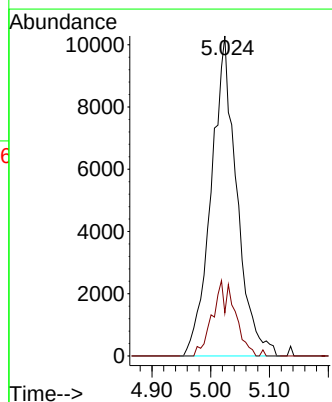
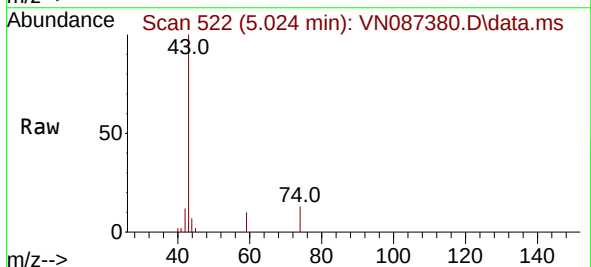
Instrument :
MSVOA_N
ClientSampleId :
WC-3

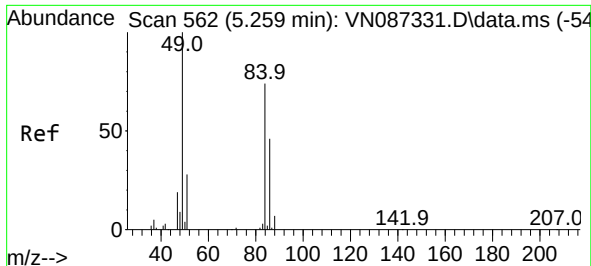
Tgt Ion: 43 Resp: 37754
Ion Ratio Lower Upper
43 100
58 34.3 22.3 33.5#



#18
Methyl Acetate
Concen: 10.050 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.012 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

Tgt Ion: 43 Resp: 31032
Ion Ratio Lower Upper
43 100
74 11.6 17.8 26.6#

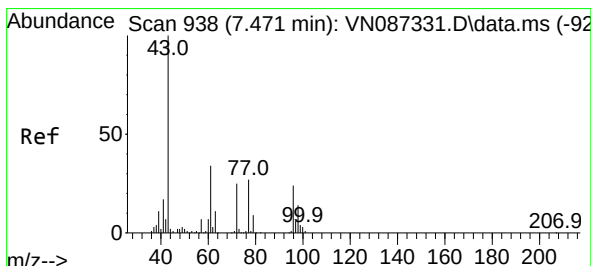
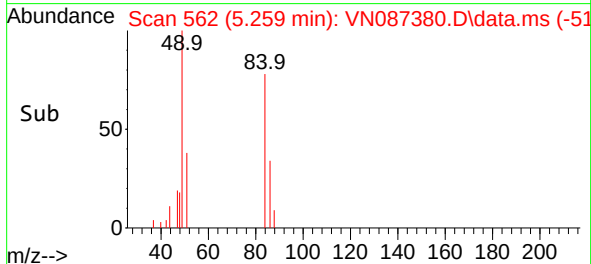
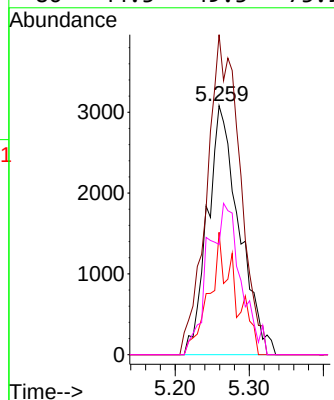
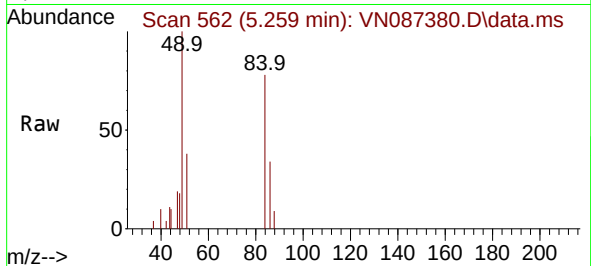




#20
Methylene Chloride
Concen: 3.811 ug/l
RT: 5.259 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

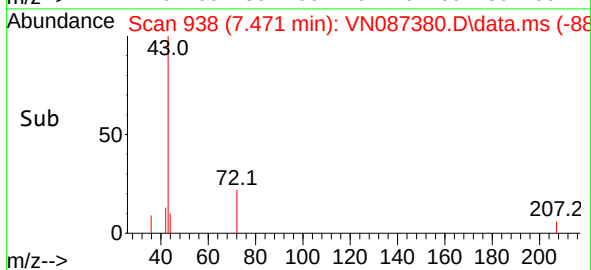
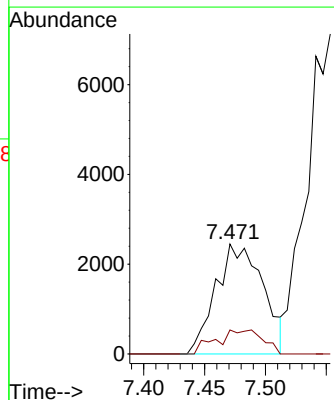
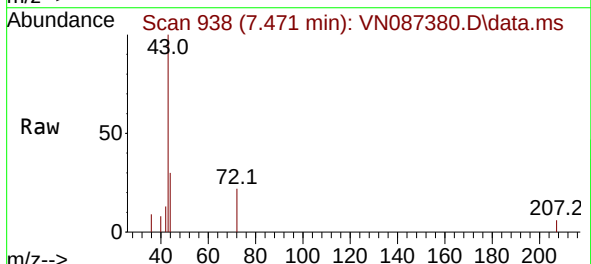
Instrument :
MSVOA_N
ClientSampleId :
WC-3

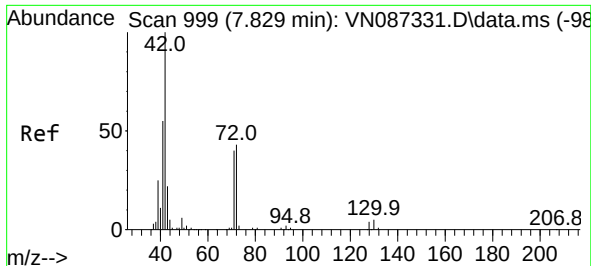
Tgt Ion:	84	Resp:	9146
Ion	Ratio	Lower	Upper
84	100		
49	128.6	107.5	161.3
51	49.2	30.2	45.2#
86	44.3	49.3	73.9#



#25
2-Butanone
Concen: 3.470 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

Tgt Ion:	43	Resp:	6589
Ion	Ratio	Lower	Upper
43	100		
72	21.8	19.6	29.4





#29

Tetrahydrofuran

Concen: 0.220 ug/l

RT: 7.824 min Scan# 99

Delta R.T. -0.006 min

Lab File: VN087380.D

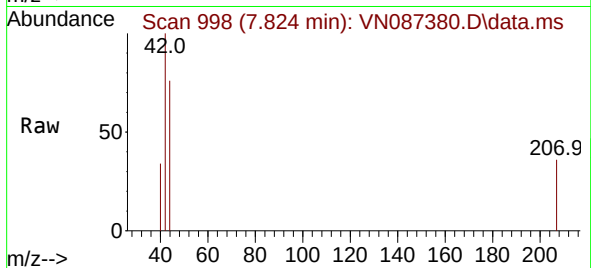
Acq: 21 Jul 2025 15:20

Instrument :

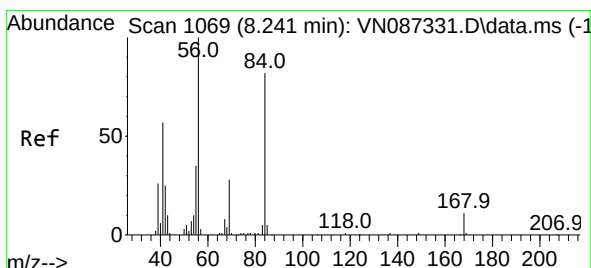
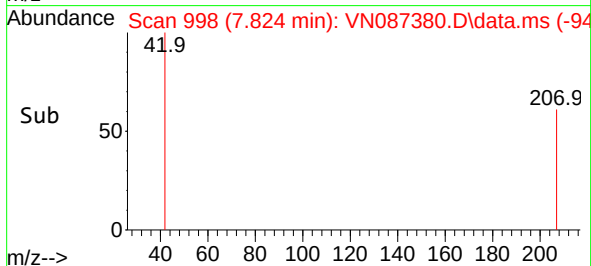
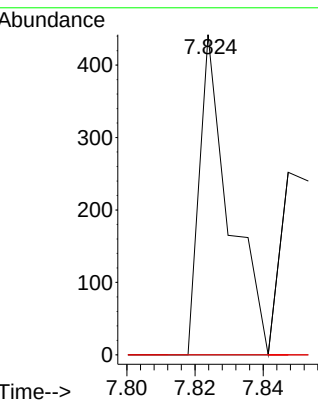
MSVOA_N

ClientSampleId :

WC-3



Tgt Ion:	42	Resp:	271
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.0#
71	0.0	31.2	46.8#



#31

Cyclohexane

Concen: 1.103 ug/l

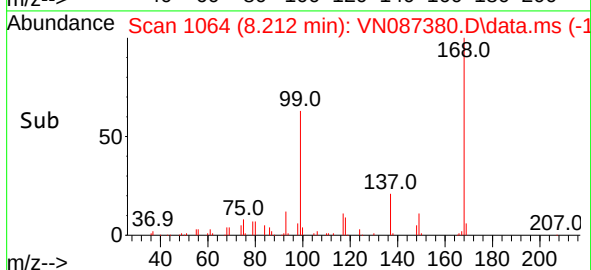
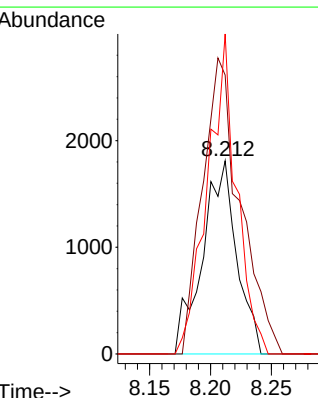
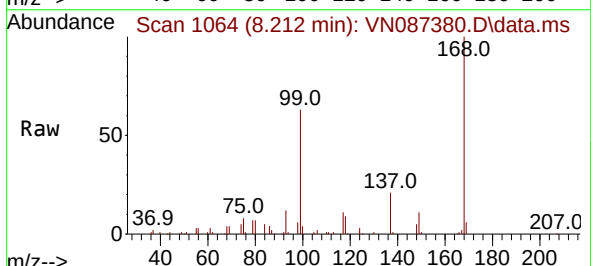
RT: 8.212 min Scan# 1064

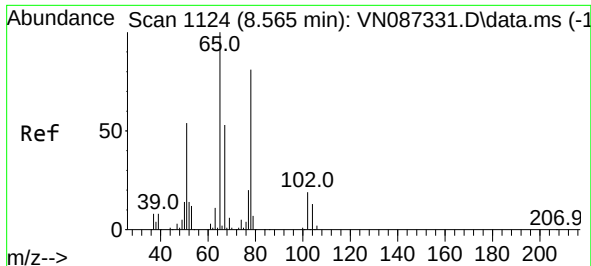
Delta R.T. -0.029 min

Lab File: VN087380.D

Acq: 21 Jul 2025 15:20

Tgt Ion:	56	Resp:	3554
Ion	Ratio	Lower	Upper
56	100		
69	144.5	22.7	34.1#
84	165.7	65.8	98.6#





#33

1,2-Dichloroethane-d4

Concen: 58.748 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087380.D

Acq: 21 Jul 2025 15:20

Instrument :

MSVOA_N

ClientSampleId :

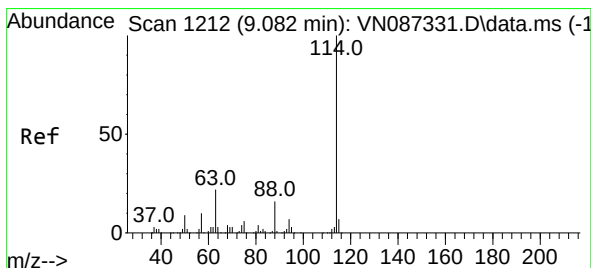
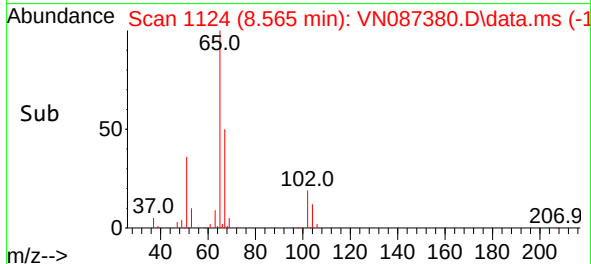
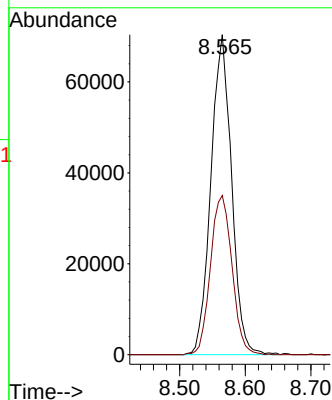
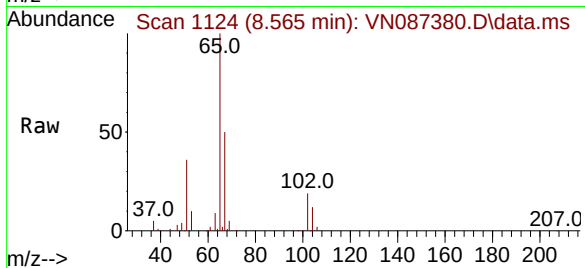
WC-3

Tgt Ion: 65 Resp: 153993

Ion Ratio Lower Upper

65 100

67 51.8 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: VN087380.D

Acq: 21 Jul 2025 15:20

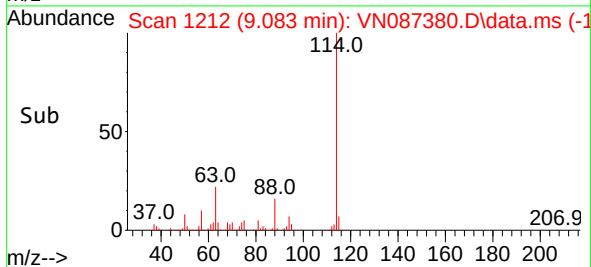
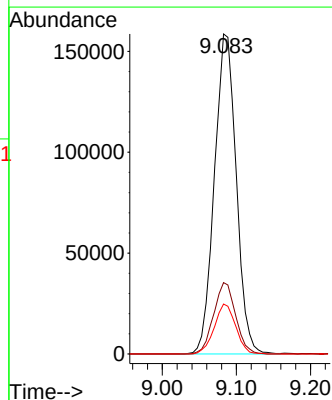
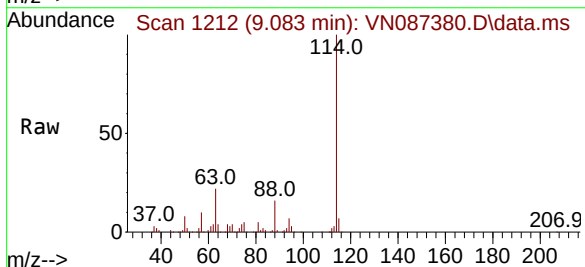
Tgt Ion: 114 Resp: 324874

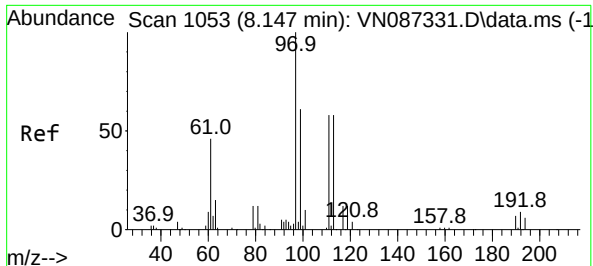
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.6

88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.469 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087380.D

Acq: 21 Jul 2025 15:20

Instrument :

MSVOA_N

ClientSampleId :

WC-3

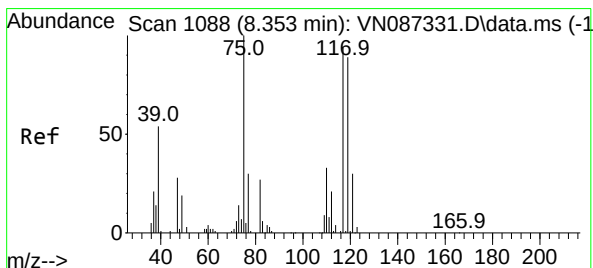
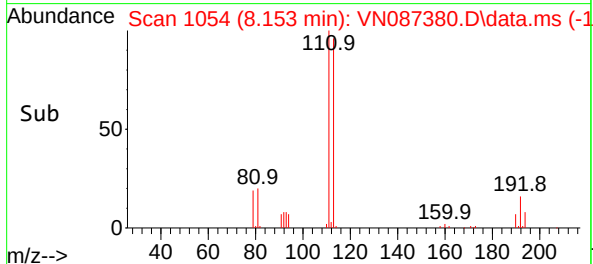
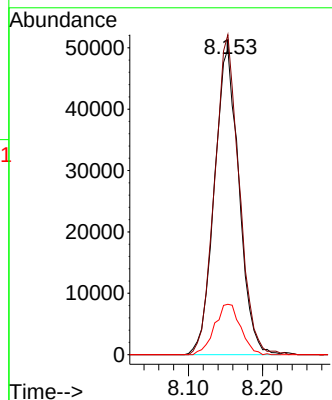
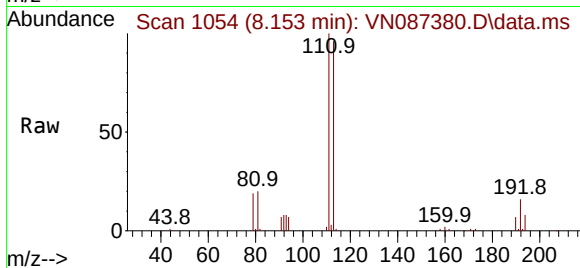
Tgt Ion:113 Resp: 115340

Ion Ratio Lower Upper

113 100

111 103.6 82.5 123.7

192 17.3 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.703 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087380.D

Acq: 21 Jul 2025 15:20

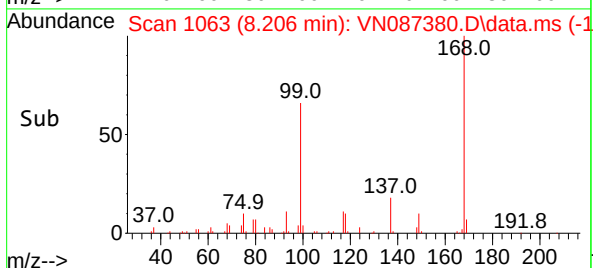
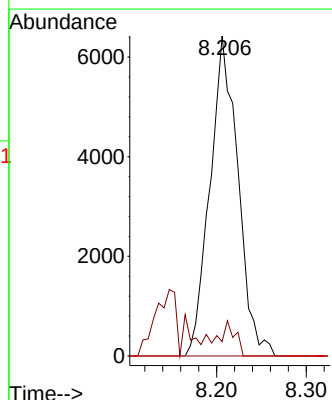
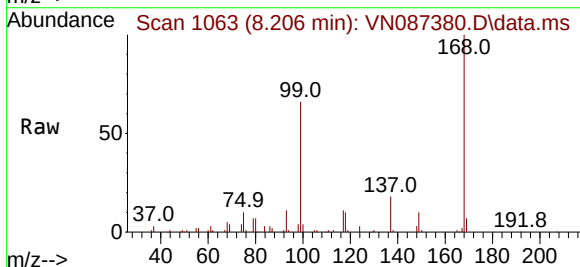
Tgt Ion: 75 Resp: 13923

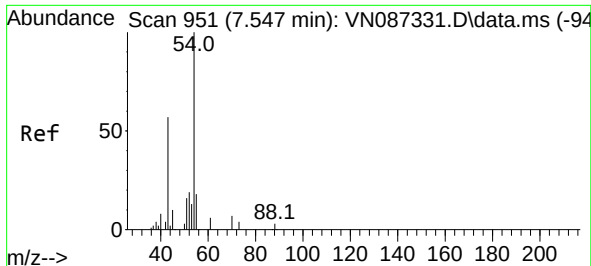
Ion Ratio Lower Upper

75 100

110 5.7 16.7 50.1#

77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 4.334 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN087380.D

Acq: 21 Jul 2025 15:20

Instrument :

MSVOA_N

ClientSampleId :

WC-3

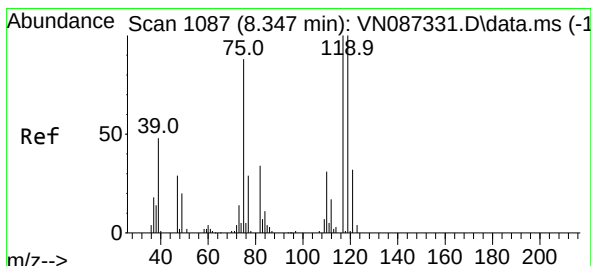
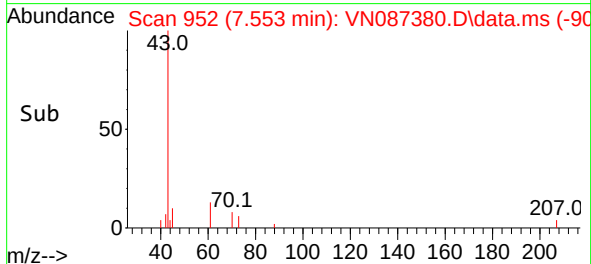
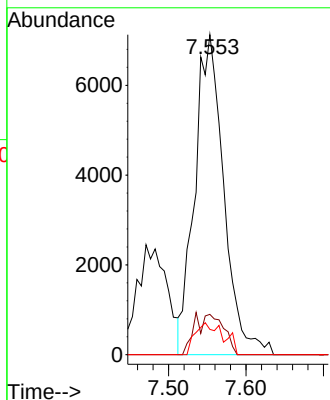
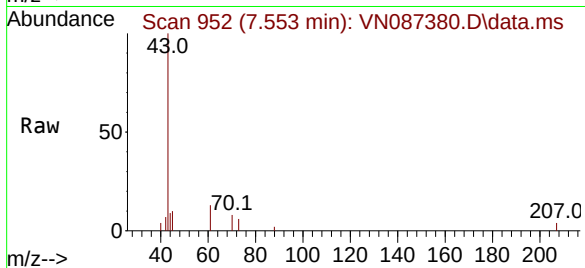
Tgt Ion: 43 Resp: 18534

Ion Ratio Lower Upper

43 100

61 12.7 10.9 16.3

70 9.7 7.4 11.0



#38

Carbon Tetrachloride

Concen: 5.181 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.135 min

Lab File: VN087380.D

Acq: 21 Jul 2025 15:20

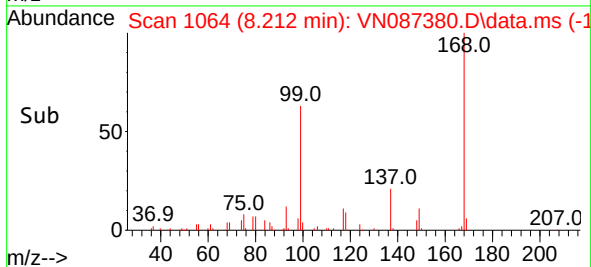
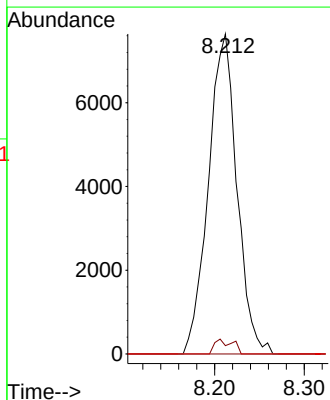
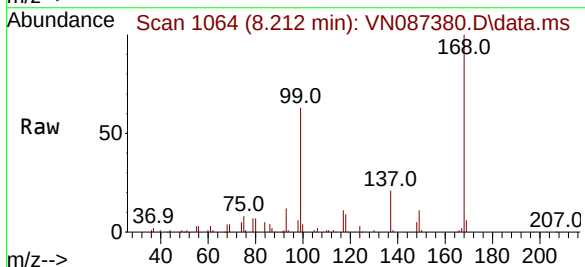
Tgt Ion: 117 Resp: 16898

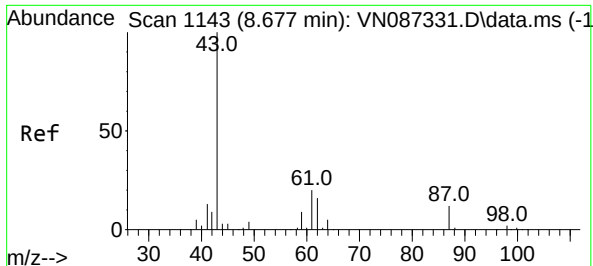
Ion Ratio Lower Upper

117 100

119 2.6 80.2 120.2#

121 0.0 25.4 38.2#

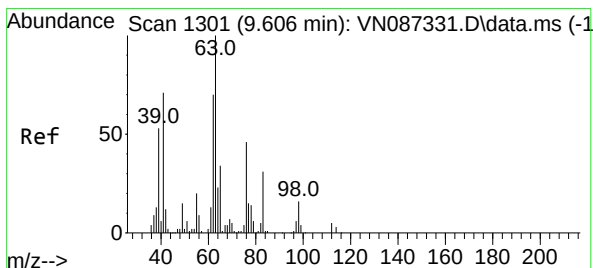
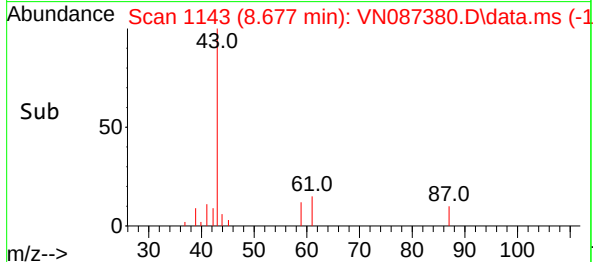
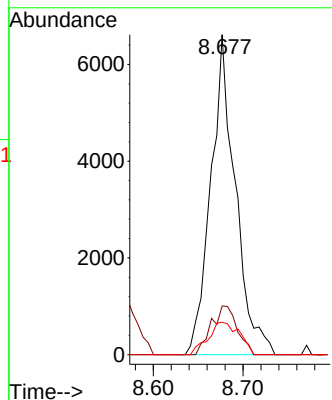
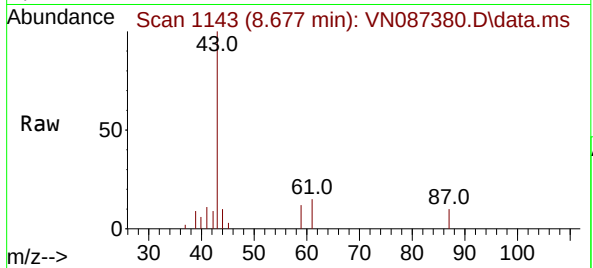




#43
Isopropyl Acetate
Concen: 1.898 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

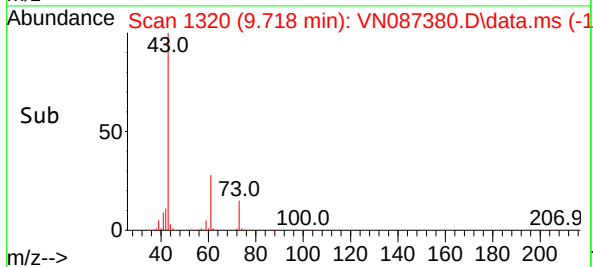
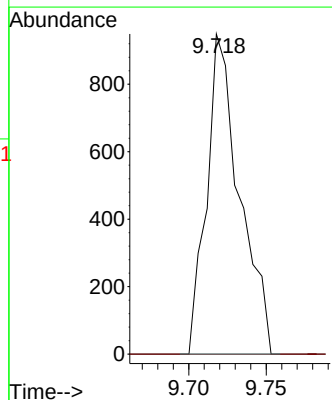
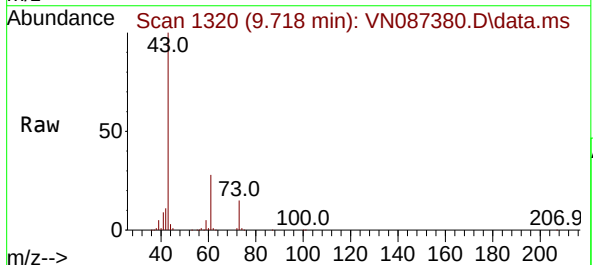
Instrument :
MSVOA_N
ClientSampleId :
WC-3

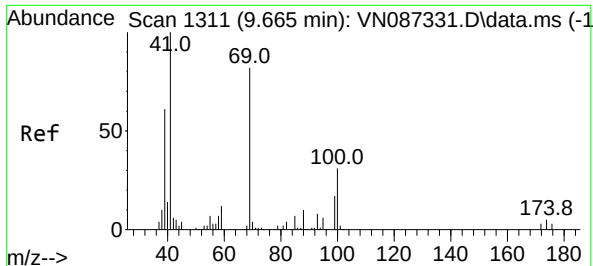
Tgt Ion:	43	Resp:	12601
Ion	Ratio	Lower	Upper
43	100		
61	16.1	19.8	29.8#
87	12.9	9.8	14.6



#45
1,2-Dichloropropane
Concen: 0.576 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.112 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

Tgt Ion:	63	Resp:	1400
Ion	Ratio	Lower	Upper
63	100		
65	0.0	27.0	40.4#





#48

Methyl methacrylate

Concen: 37.869 ug/l

RT: 9.724 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN087380.D

Acq: 21 Jul 2025 15:20

Instrument :

MSVOA_N

ClientSampleId :

WC-3

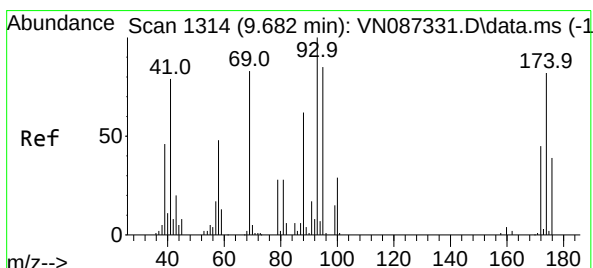
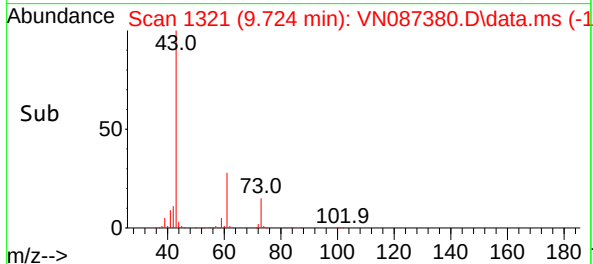
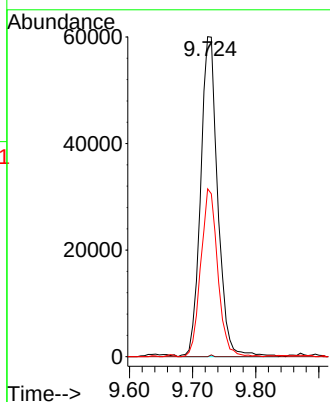
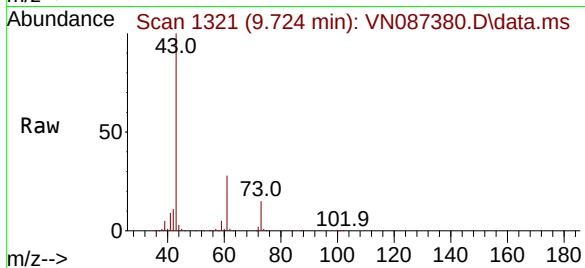
Tgt Ion: 41 Resp: 113164

Ion Ratio Lower Upper

41 100

69 0.1 64.1 96.1#

39 52.0 45.5 68.3



#49

1,4-Dioxane

Concen: 2.731 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.053 min

Lab File: VN087380.D

Acq: 21 Jul 2025 15:20

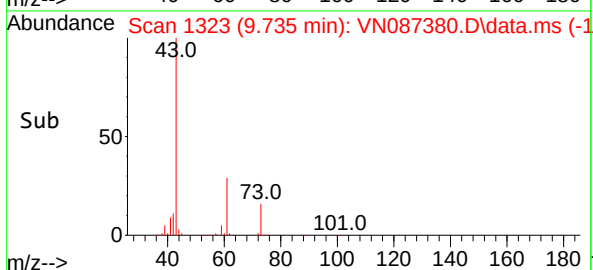
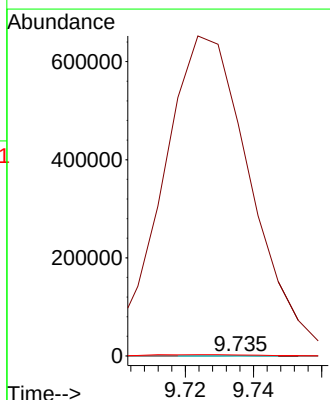
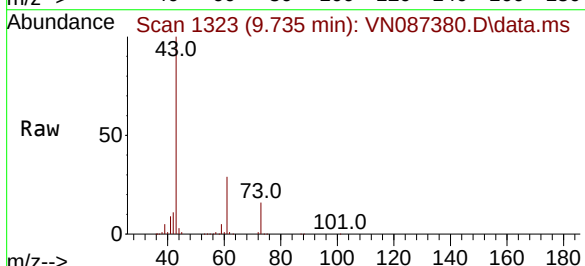
Tgt Ion: 88 Resp: 125

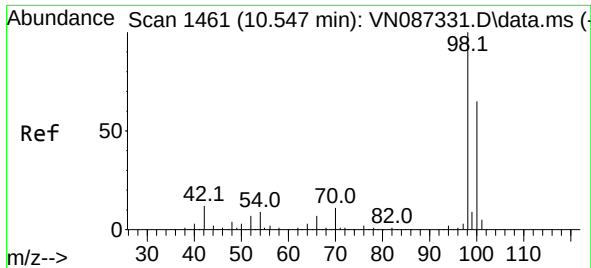
Ion Ratio Lower Upper

88 100

43 961205.6 0.0 0.0#

58 5018.4 61.1 91.7#

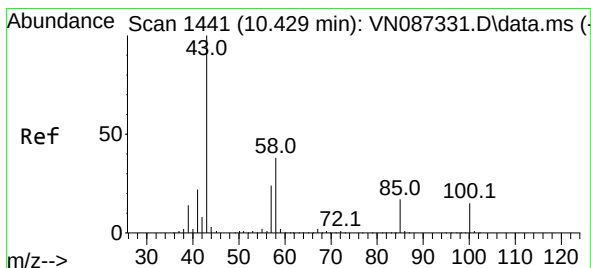
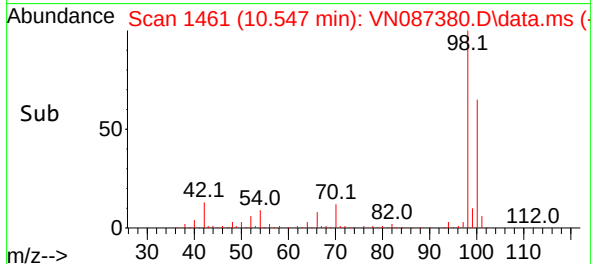
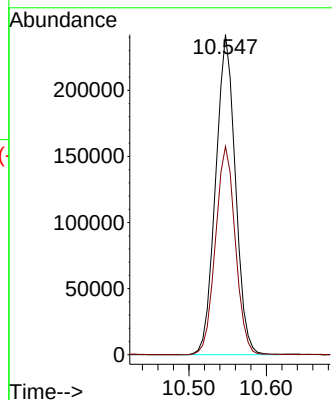
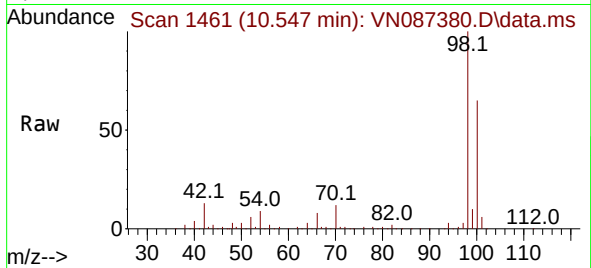




#50
Toluene-d8
Concen: 53.696 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

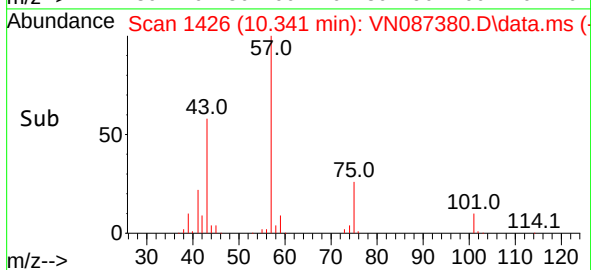
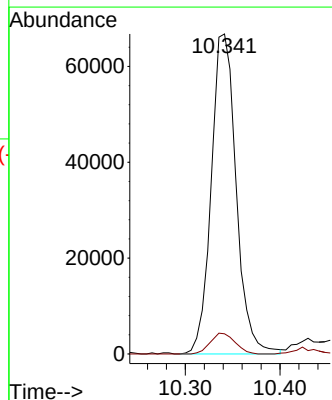
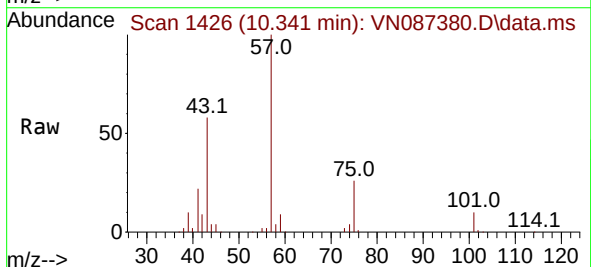
Instrument :
MSVOA_N
ClientSampleId :
WC-3

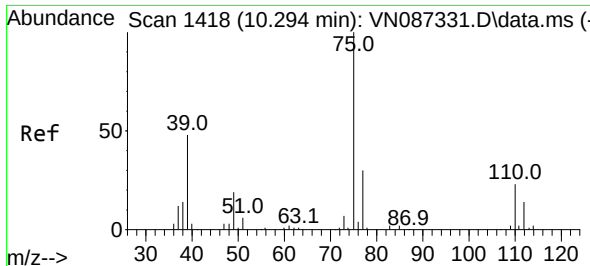
Tgt Ion: 98 Resp: 429241
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 29.169 ug/l
RT: 10.341 min Scan# 1426
Delta R.T. -0.088 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

Tgt Ion: 43 Resp: 122457
Ion Ratio Lower Upper
43 100
58 6.4 30.8 46.2#

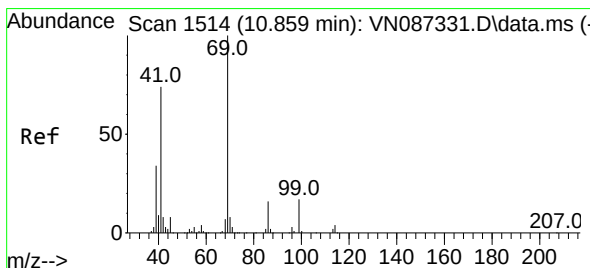
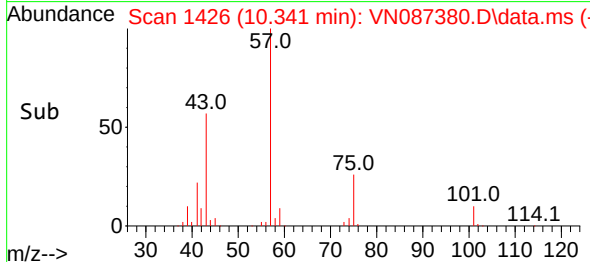
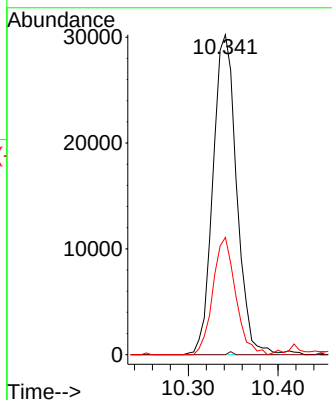
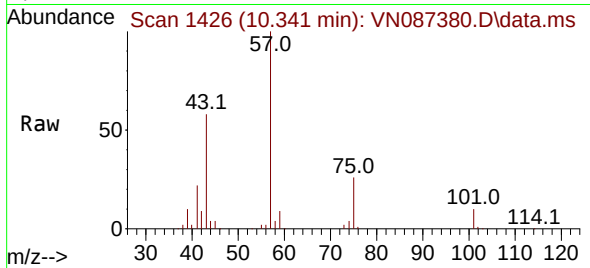




#54
 cis-1,3-Dichloropropene
 Concen: 14.428 ug/l
 RT: 10.341 min Scan# 1418
 Delta R.T. 0.047 min
 Lab File: VN087380.D
 Acq: 21 Jul 2025 15:20

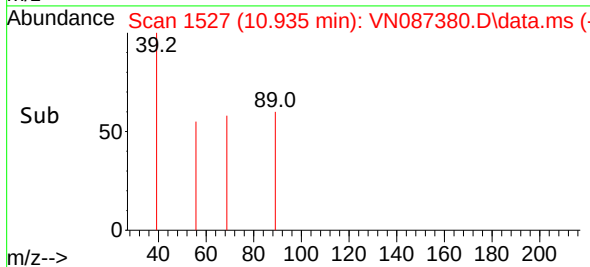
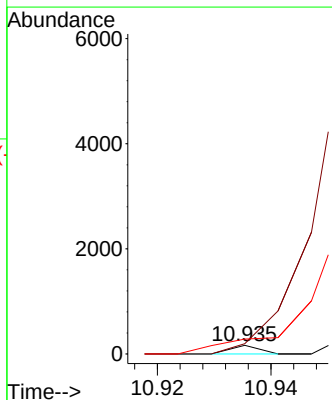
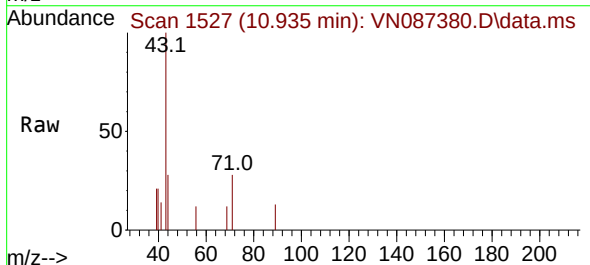
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

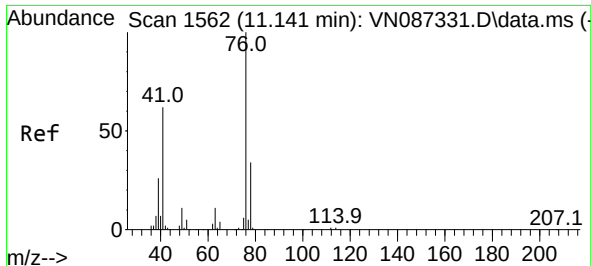
Tgt Ion: 75 Resp: 55307
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 36.6 38.4 57.6#



#56
 Ethyl methacrylate
 Concen: 0.650 ug/l
 RT: 10.935 min Scan# 1527
 Delta R.T. 0.076 min
 Lab File: VN087380.D
 Acq: 21 Jul 2025 15:20

Tgt Ion: 69 Resp: 58
 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: 0.985 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.047 min

Lab File: VN087380.D

Acq: 21 Jul 2025 15:20

Instrument :

MSVOA_N

ClientSampleId :

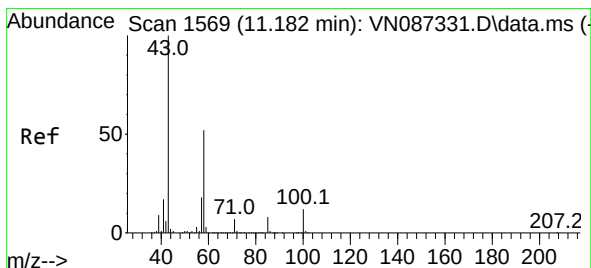
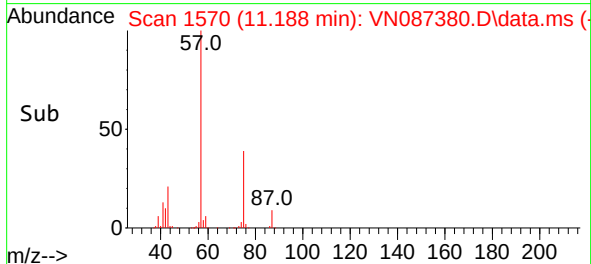
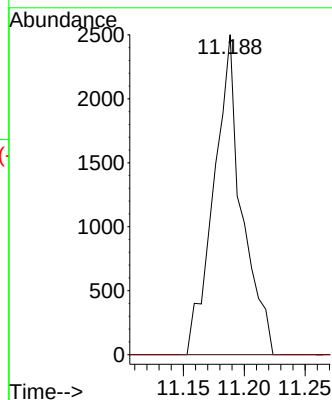
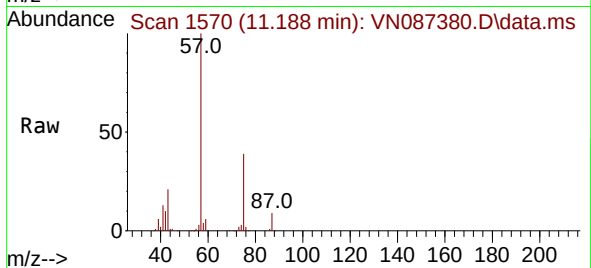
WC-3

Tgt Ion: 76 Resp: 4010

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 23.357 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VN087380.D

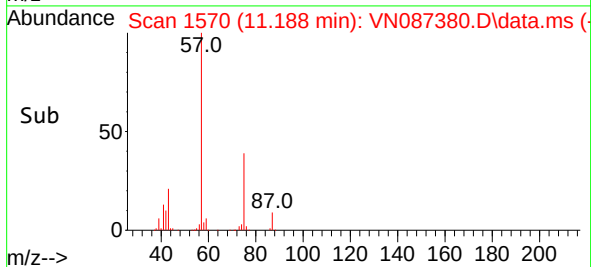
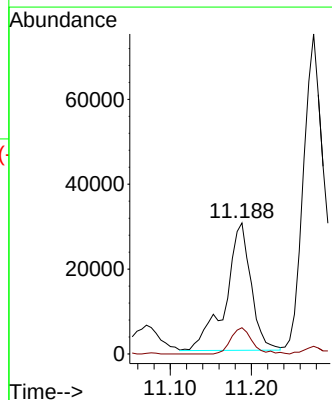
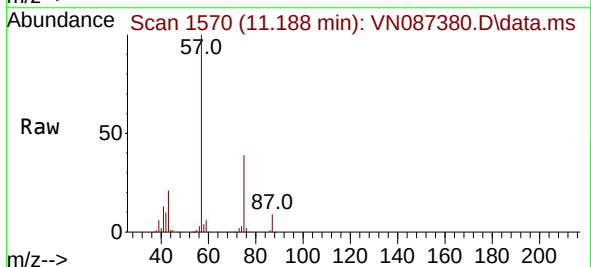
Acq: 21 Jul 2025 15:20

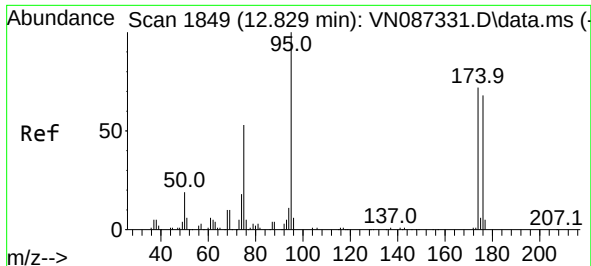
Tgt Ion: 43 Resp: 65059

Ion Ratio Lower Upper

43 100

58 17.3 26.7 80.0#

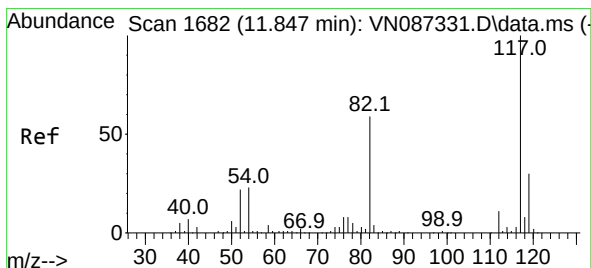
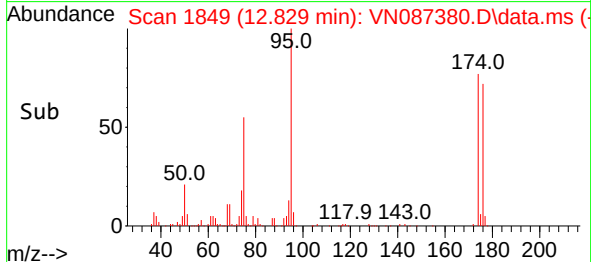
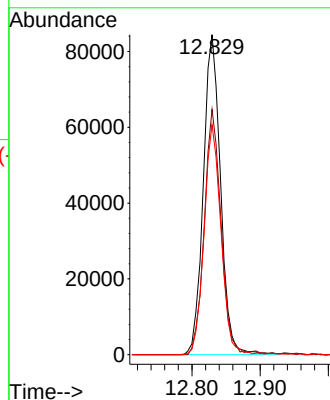
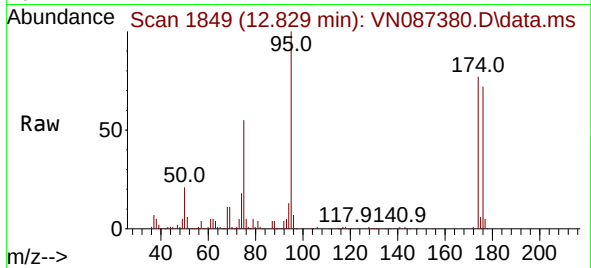




#62
4-Bromofluorobenzene
Concen: 50.148 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

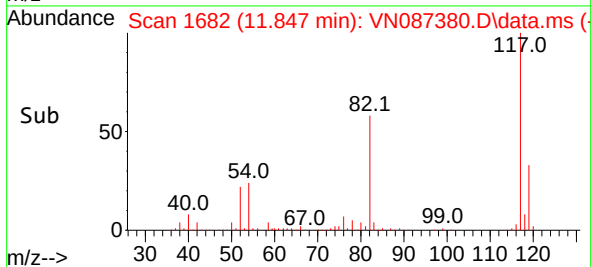
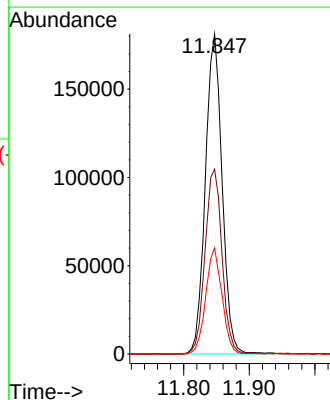
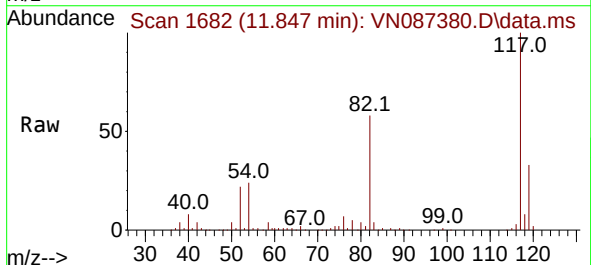
Instrument :
MSVOA_N
ClientSampleId :
WC-3

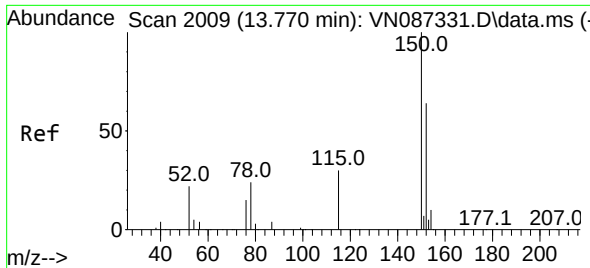
Tgt Ion: 95 Resp: 148103
Ion Ratio Lower Upper
95 100
174 74.3 0.0 149.4
176 70.3 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

Tgt Ion: 117 Resp: 322391
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 33.1 23.8 35.8

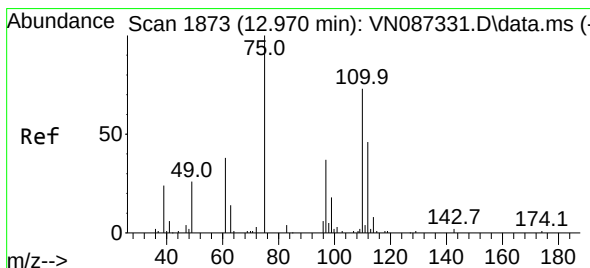
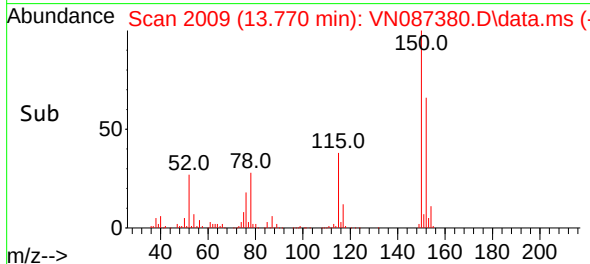
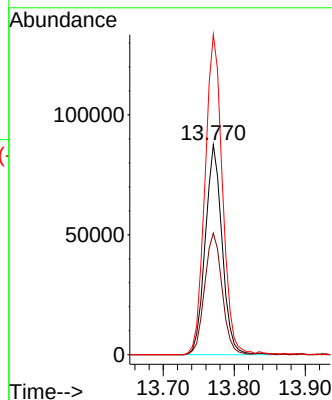
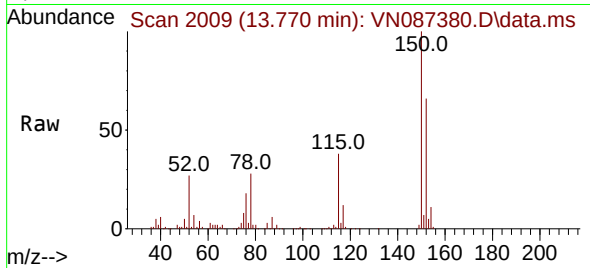




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

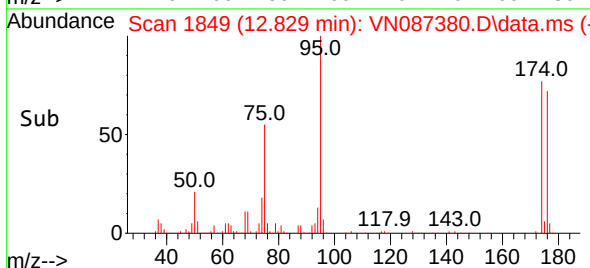
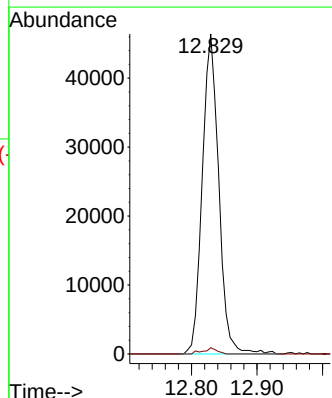
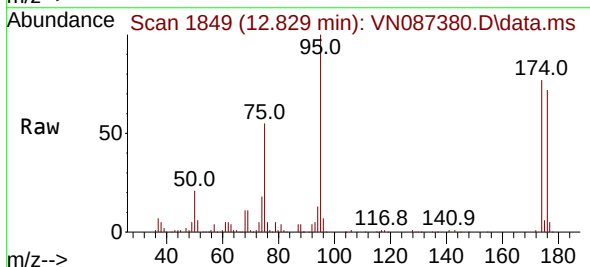
Instrument :
MSVOA_N
ClientSampleId :
WC-3

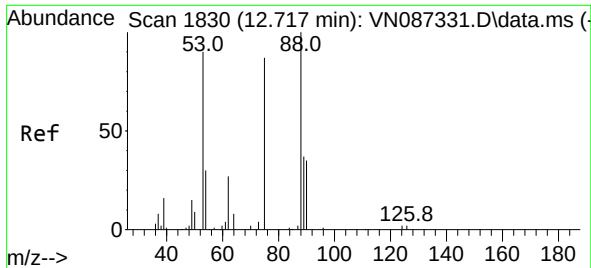
Tgt Ion:	152	Resp:	144929
Ion Ratio	Lower	Upper	
152	100		
115	59.9	31.1	93.5
150	156.8	0.0	349.0



#76
1,2,3-Trichloropropane
Concen: 24.989 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

Tgt Ion:	75	Resp:	81212
Ion Ratio	Lower	Upper	
75	100		
77	1.6	94.5	283.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.374 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087380.D
Acq: 21 Jul 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
WC-3

Tgt Ion: 75 Resp: 81212
Ion Ratio Lower Upper
75 100
53 0.1 83.5 125.3#
89 0.3 38.4 57.6#

