

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087382.D
 Acq On : 21 Jul 2025 16:03
 Operator : JC\MD
 Sample : Q2649-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-5

Quant Time: Jul 22 03:09:46 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)

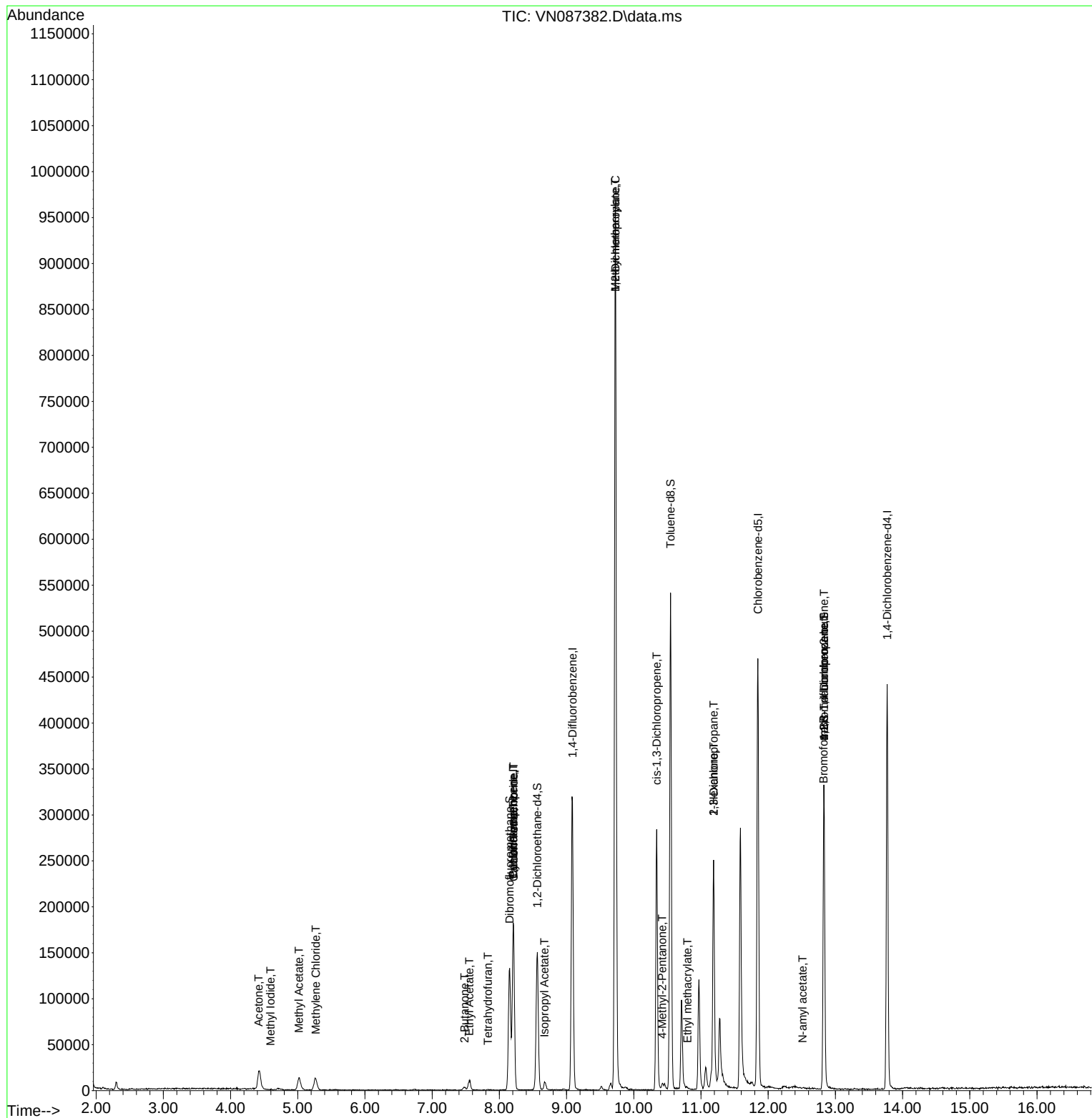
Internal Standards						
1) Pentafluorobenzene	8.206	168	130161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	267394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	261756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	118147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	125656	56.895	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.800%
35) Dibromofluoromethane	8.153	113	96295	52.207	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.420%
50) Toluene-d8	10.547	98	351392	53.407	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.820%
62) 4-Bromofluorobenzene	12.829	95	114910	47.272	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.540%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.595	142	58	5.669	ug/l #	40
16) Acetone	4.418	43	40128	38.751	ug/l	99
18) Methyl Acetate	5.018	43	29056	11.168	ug/l	99
20) Methylene Chloride	5.271	84	9612	4.914	ug/l	97
25) 2-Butanone	7.483	43	6113	3.821	ug/l	100
29) Tetrahydrofuran	7.830	42	293	0.282	ug/l #	35
31) Cyclohexane	8.206	56	3440	1.267	ug/l #	1
36) 1,1-Dichloropropene	8.206	75	11814	4.848	ug/l #	47
37) Ethyl Acetate	7.553	43	16887	4.798	ug/l	99
38) Carbon Tetrachloride	8.212	117	13878	5.170	ug/l #	15
43) Isopropyl Acetate	8.671	43	11214	2.053	ug/l #	91
45) 1,2-Dichloropropane	9.730	63	1031	0.515	ug/l #	41
48) Methyl methacrylate	9.724	41	89583	36.423	ug/l #	47
51) 4-Methyl-2-Pentanone	10.424	43	5745	1.663	ug/l	89
54) cis-1,3-Dichloropropene	10.341	75	48273	15.300	ug/l #	67
56) Ethyl methacrylate	10.800	69	67	0.656	ug/l #	24
57) 1,3-Dichloropropane	11.188	76	2627	0.784	ug/l #	42
59) 2-Hexanone	11.188	43	53736	23.439	ug/l #	47
71) Bromoform	12.823	173	1246	0.772	ug/l #	1
74) N-amyl acetate	12.512	43	806	0.261	ug/l #	40
76) 1,2,3-Trichloropropane	12.829	75	63495	23.966	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	63495	65.575	ug/l #	8

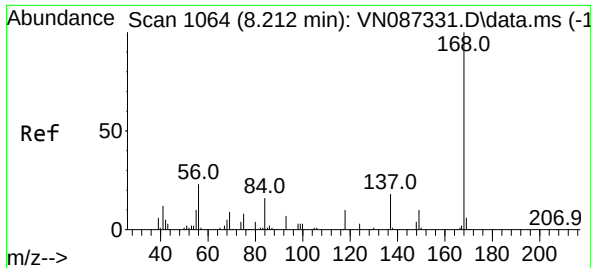
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

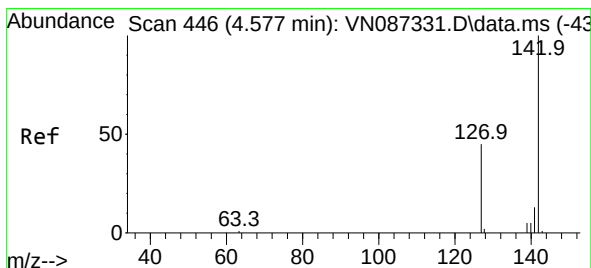
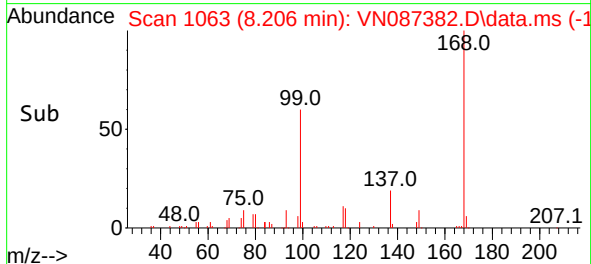
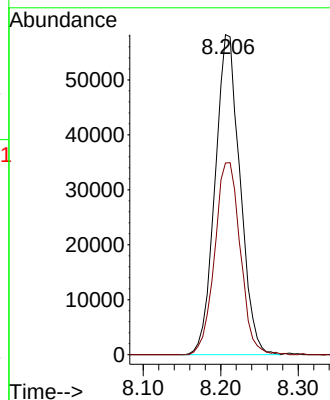
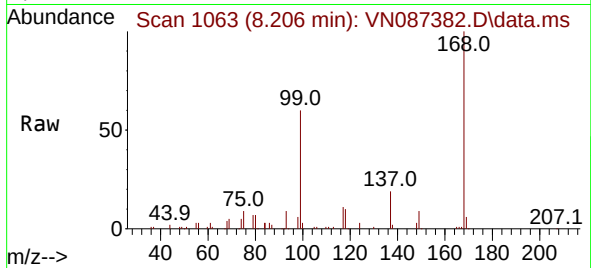




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

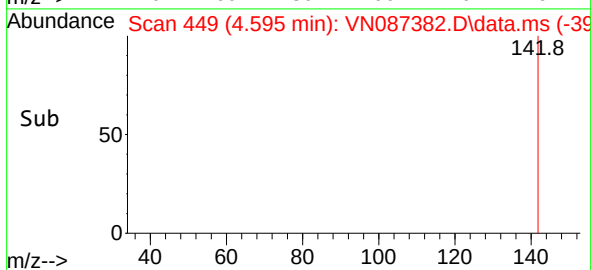
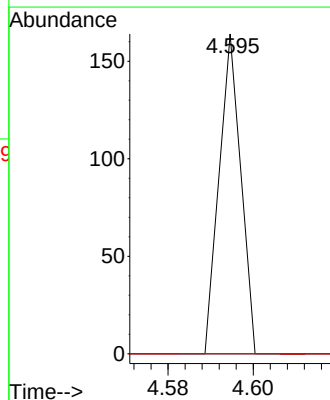
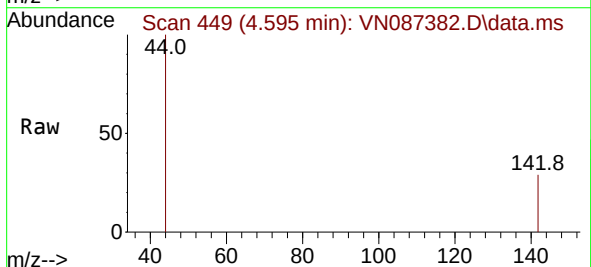
Instrument :
MSVOA_N
ClientSampleId :
WC-5

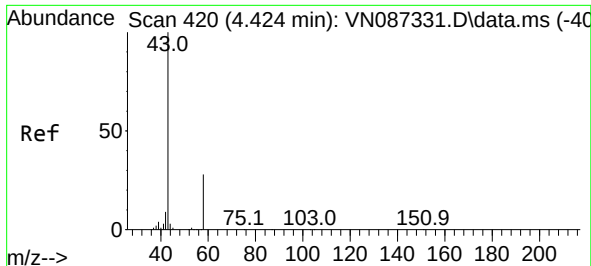
Tgt Ion:168 Resp: 130161
Ion Ratio Lower Upper
168 100
99 59.9 47.9 71.9



#10
Methyl Iodide
Concen: 5.669 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.018 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#

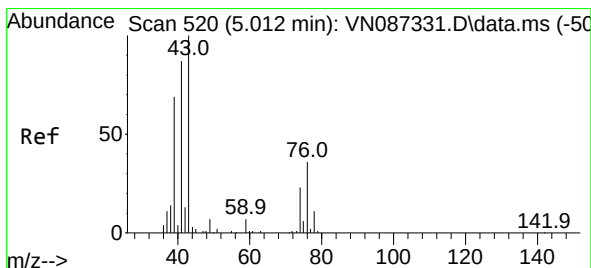
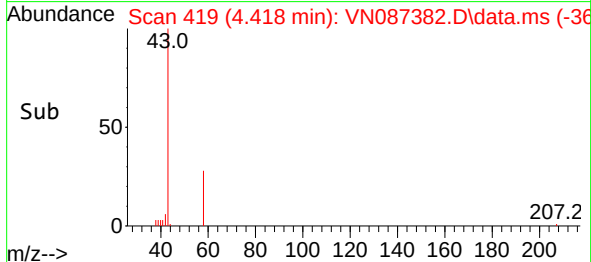
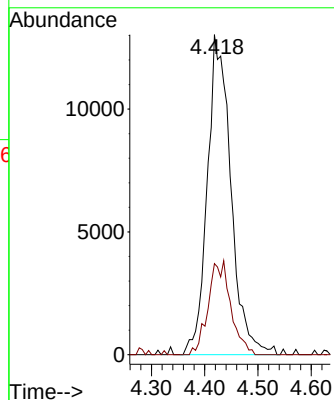
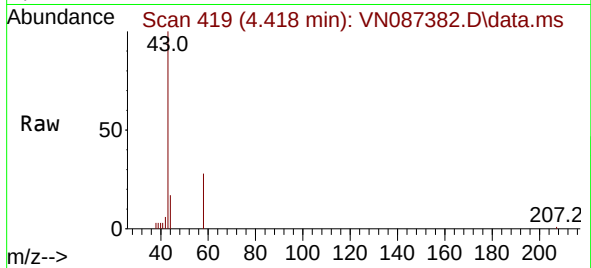




#16
Acetone
Concen: 38.751 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

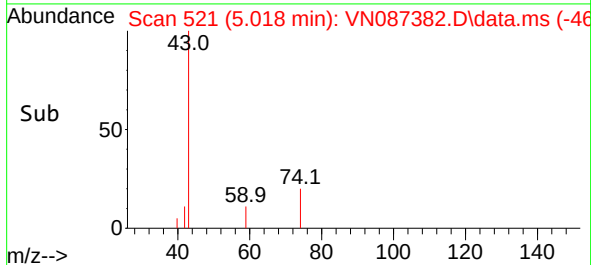
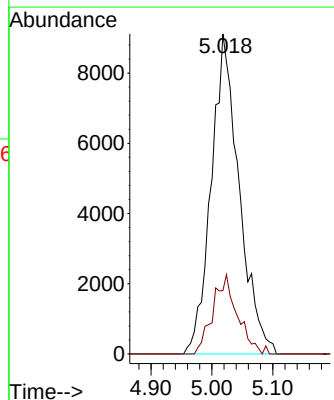
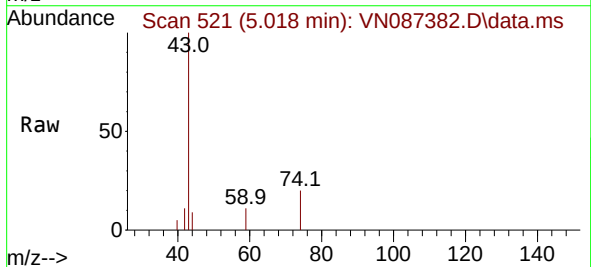
Instrument :
MSVOA_N
ClientSampleId :
WC-5

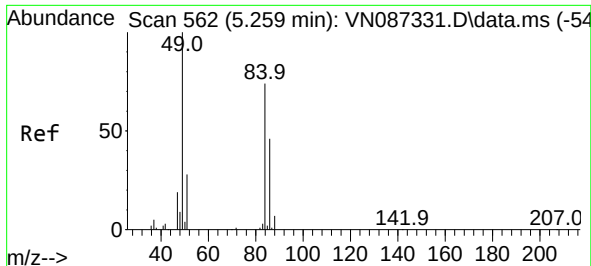
Tgt Ion: 43 Resp: 40128
Ion Ratio Lower Upper
43 100
58 28.5 22.3 33.5



#18
Methyl Acetate
Concen: 11.168 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

Tgt Ion: 43 Resp: 29056
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.6

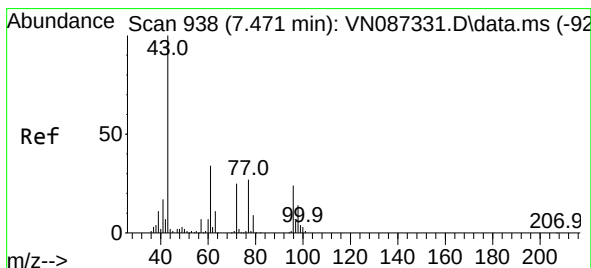
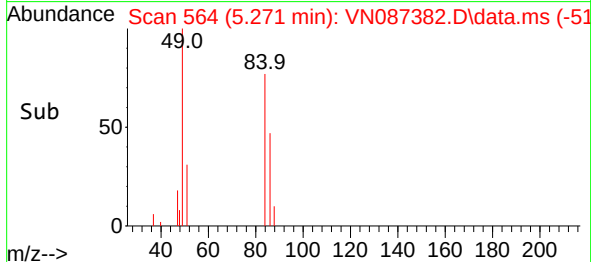
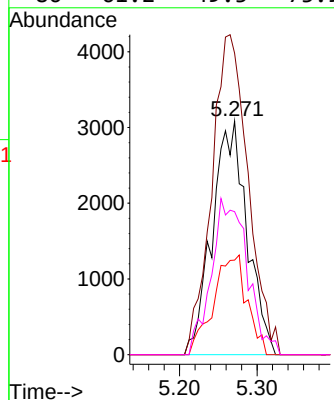
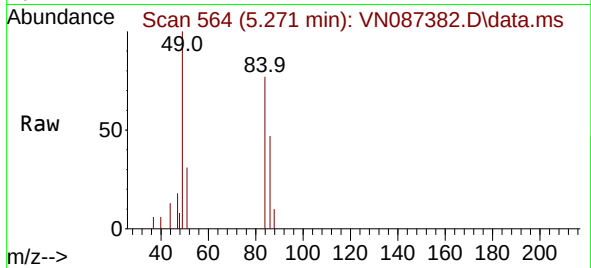




#20
Methylene Chloride
Concen: 4.914 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

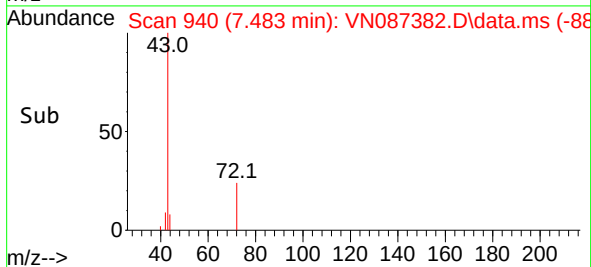
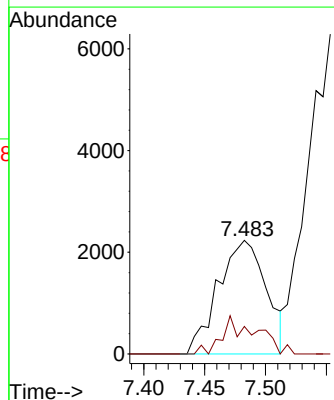
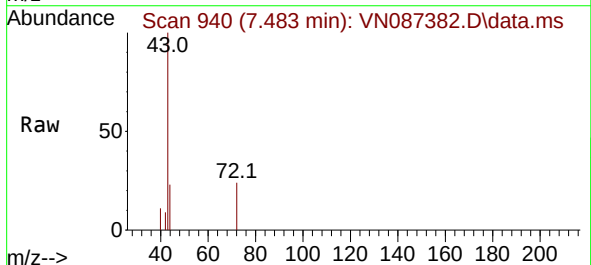
Instrument :
MSVOA_N
ClientSampleId :
WC-5

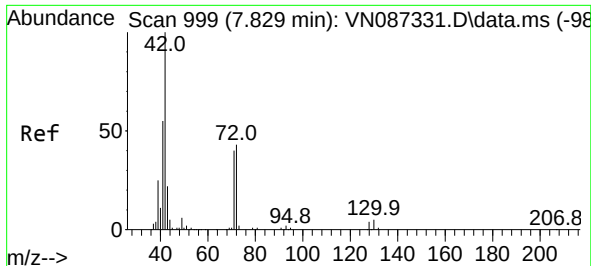
Tgt Ion:	84	Resp:	9612
Ion	Ratio	Lower	Upper
84	100		
49	129.1	107.5	161.3
51	40.5	30.2	45.2
86	61.2	49.3	73.9



#25
2-Butanone
Concen: 3.821 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

Tgt Ion:	43	Resp:	6113
Ion	Ratio	Lower	Upper
43	100		
72	24.3	19.6	29.4





#29

Tetrahydrofuran

Concen: 0.282 ug/l

RT: 7.830 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN087382.D

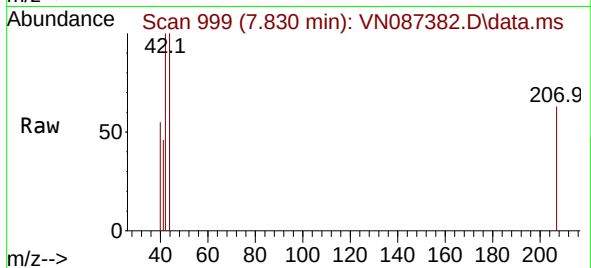
Acq: 21 Jul 2025 16:03

Instrument :

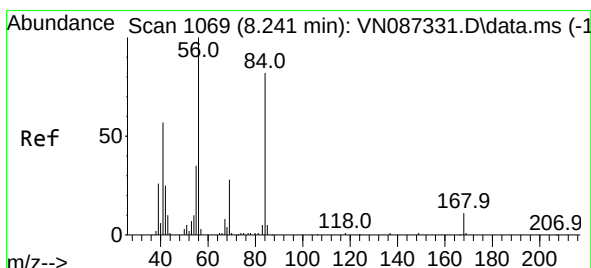
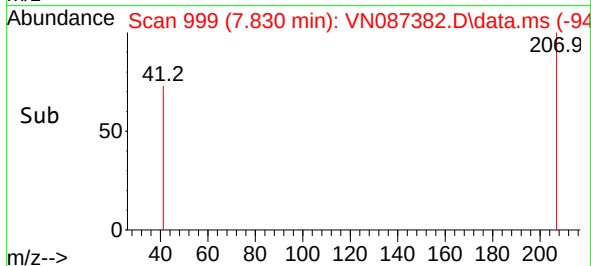
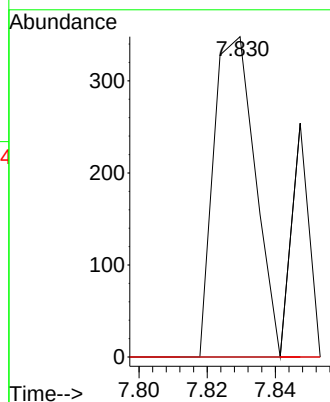
MSVOA_N

ClientSampleId :

WC-5



Tgt Ion:	42	Resp:	293
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.0#
71	0.0	31.2	46.8#



#31

Cyclohexane

Concen: 1.267 ug/l

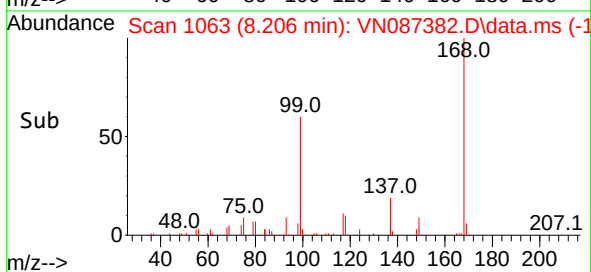
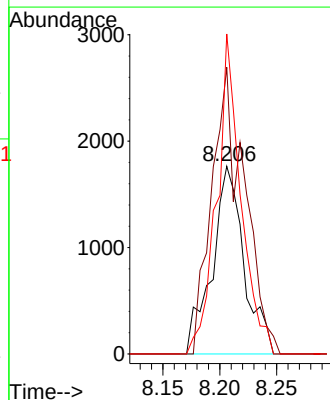
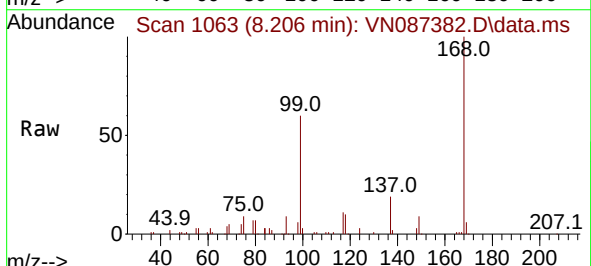
RT: 8.206 min Scan# 1063

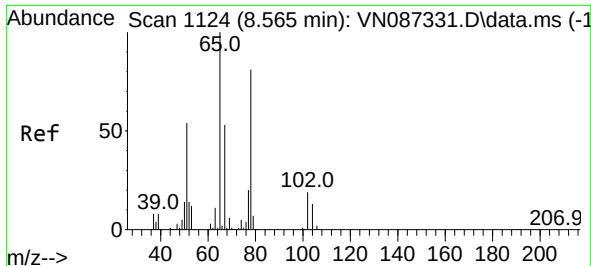
Delta R.T. -0.035 min

Lab File: VN087382.D

Acq: 21 Jul 2025 16:03

Tgt Ion:	56	Resp:	3440
Ion	Ratio	Lower	Upper
56	100		
69	152.8	22.7	34.1#
84	170.5	65.8	98.6#





#33

1,2-Dichloroethane-d4

Concen: 56.895 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087382.D

Acq: 21 Jul 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

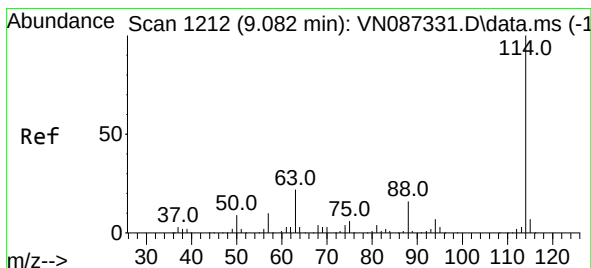
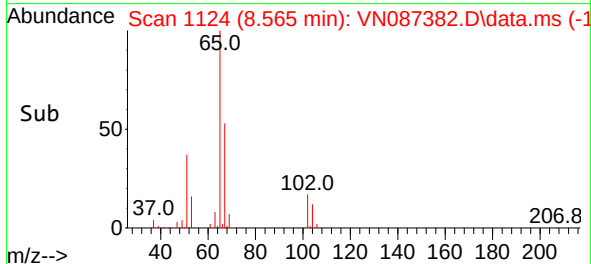
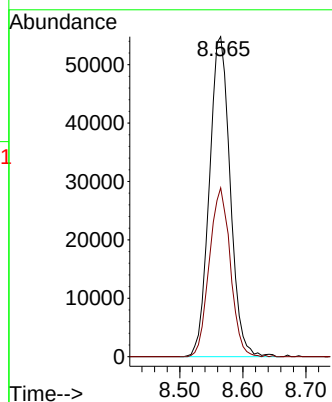
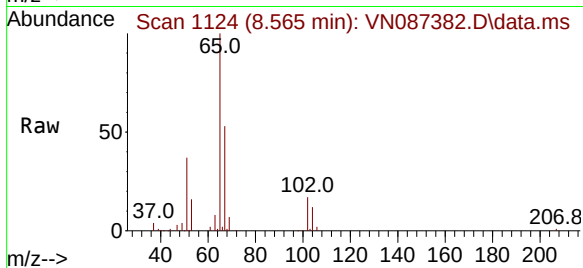
WC-5

Tgt Ion: 65 Resp: 125656

Ion Ratio Lower Upper

65 100

67 52.9 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: VN087382.D

Acq: 21 Jul 2025 16:03

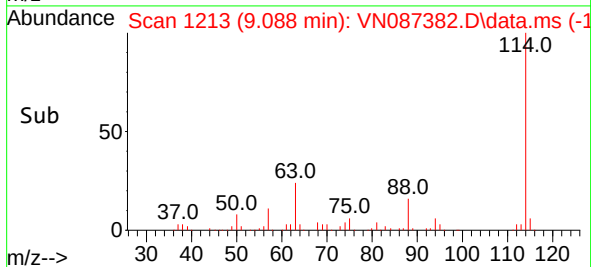
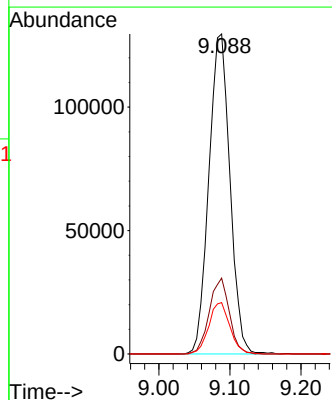
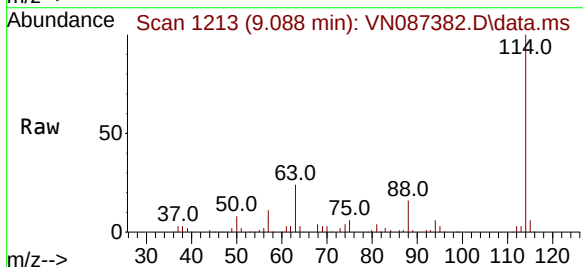
Tgt Ion: 114 Resp: 267394

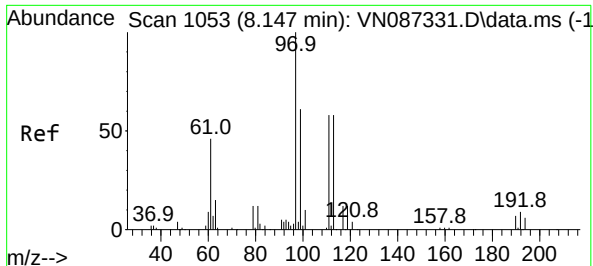
Ion Ratio Lower Upper

114 100

63 23.7 0.0 44.6

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.207 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087382.D

Acq: 21 Jul 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

WC-5

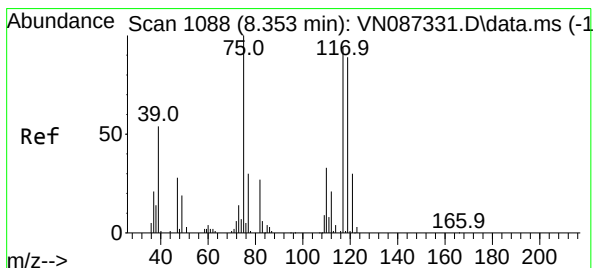
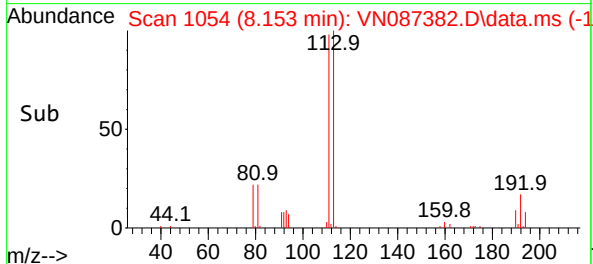
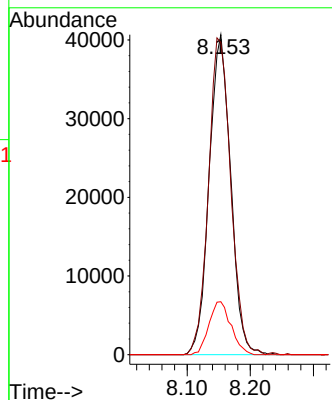
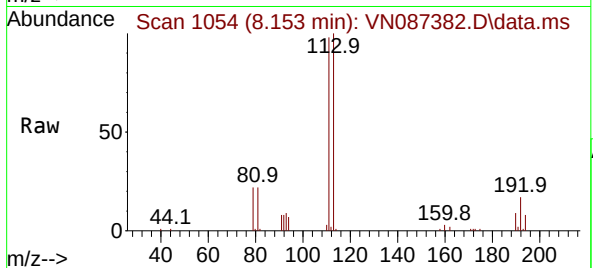
Tgt Ion:113 Resp: 96295

Ion Ratio Lower Upper

113 100

111 102.3 82.5 123.7

192 17.0 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.848 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087382.D

Acq: 21 Jul 2025 16:03

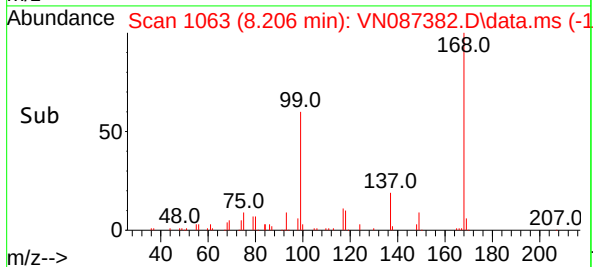
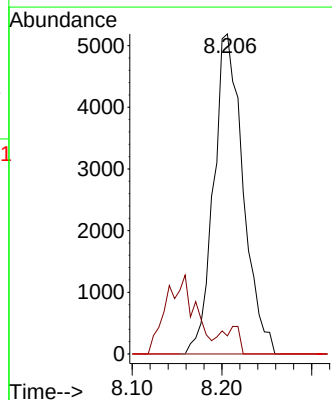
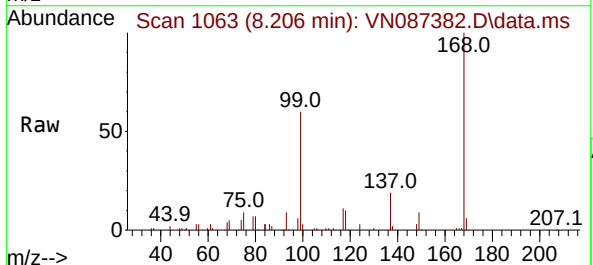
Tgt Ion: 75 Resp: 11814

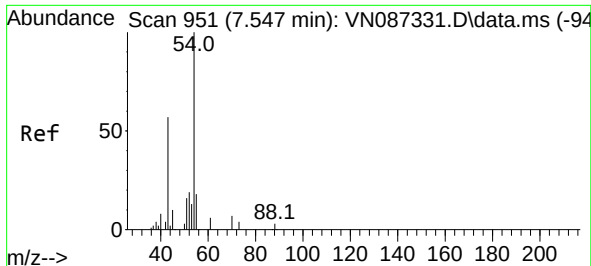
Ion Ratio Lower Upper

75 100

110 5.5 16.7 50.1#

77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 4.798 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN087382.D

Acq: 21 Jul 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

WC-5

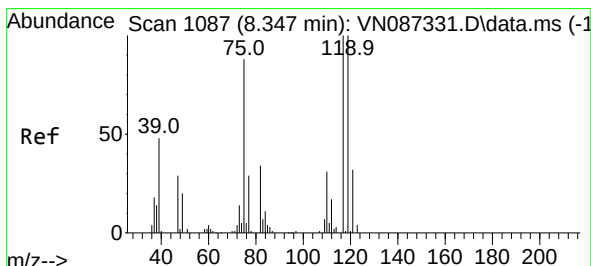
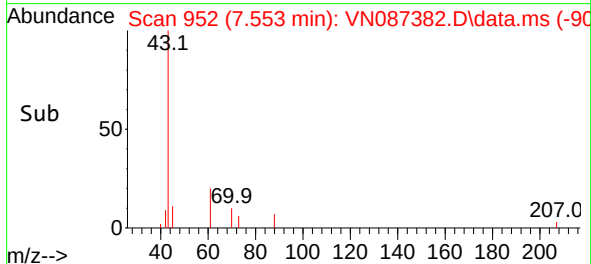
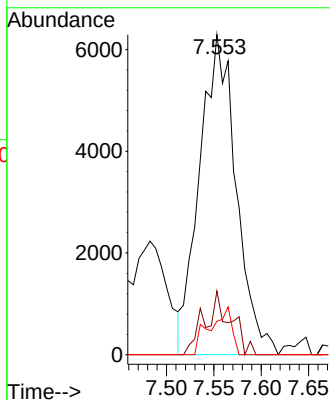
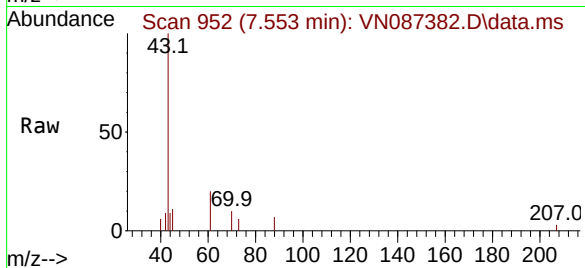
Tgt Ion: 43 Resp: 16887

Ion Ratio Lower Upper

43 100

61 14.0 10.9 16.3

70 8.9 7.4 11.0



#38

Carbon Tetrachloride

Concen: 5.170 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.135 min

Lab File: VN087382.D

Acq: 21 Jul 2025 16:03

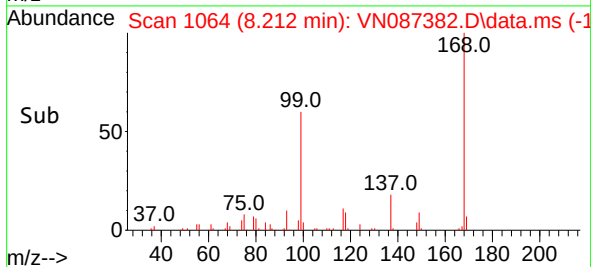
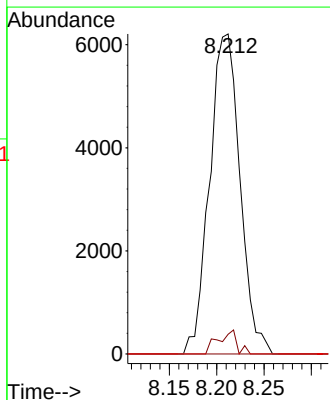
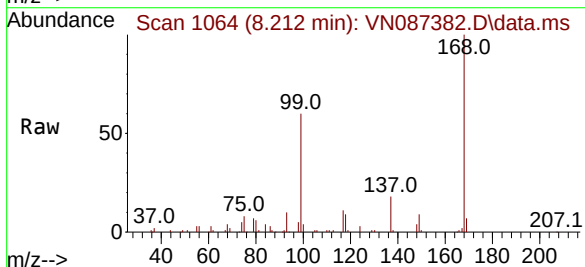
Tgt Ion:117 Resp: 13878

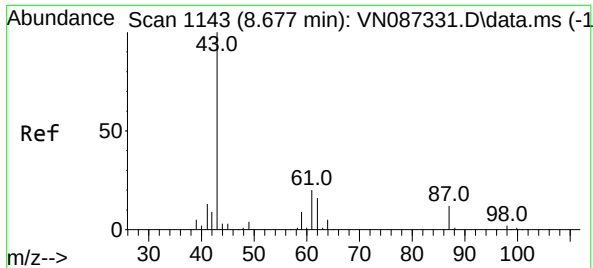
Ion Ratio Lower Upper

117 100

119 6.2 80.2 120.2#

121 0.0 25.4 38.2#

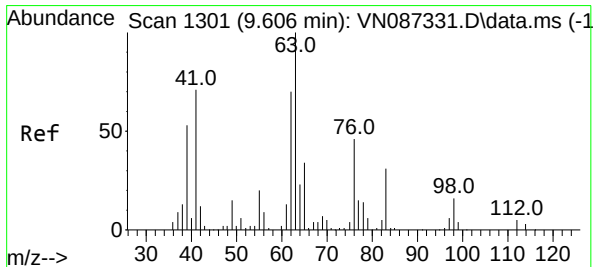
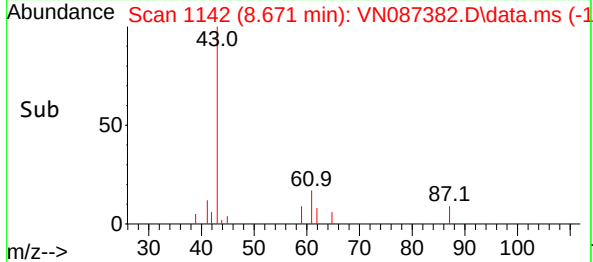
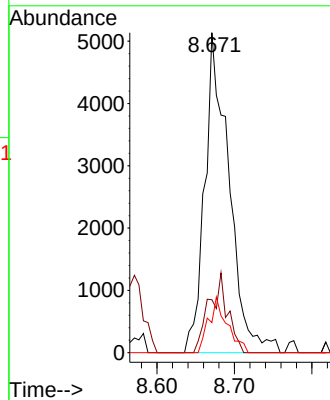
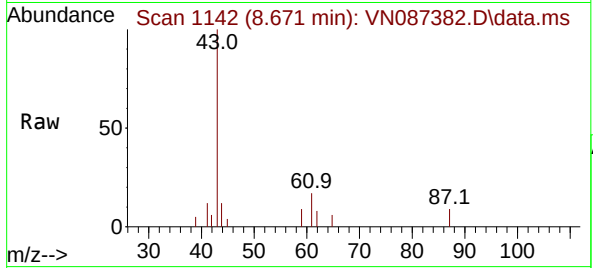




#43
Isopropyl Acetate
Concen: 2.053 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

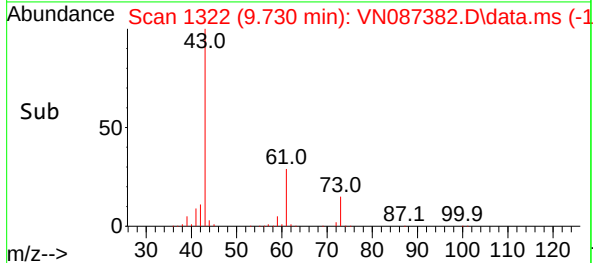
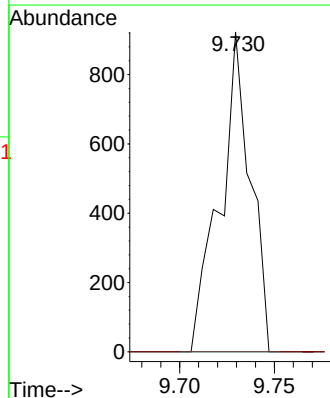
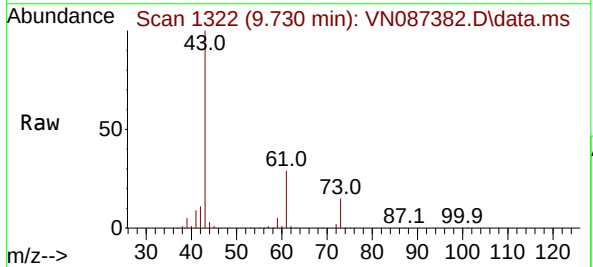
Instrument :
MSVOA_N
ClientSampleId :
WC-5

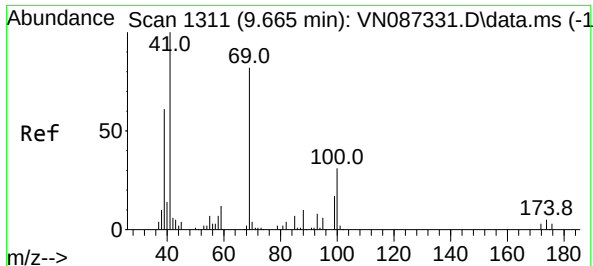
Tgt Ion: 43	Resp: 11214
Ion Ratio	Lower Upper
43	100
61	19.0 19.8 29.8#
87	13.2 9.8 14.6



#45
1,2-Dichloropropane
Concen: 0.515 ug/l
RT: 9.730 min Scan# 1322
Delta R.T. 0.124 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

Tgt Ion: 63	Resp: 1031
Ion Ratio	Lower Upper
63	100
65	0.0 27.0 40.4#





#48

Methyl methacrylate

Concen: 36.423 ug/l

RT: 9.724 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN087382.D

Acq: 21 Jul 2025 16:03

Instrument :

MSVOA_N

ClientSampleId :

WC-5

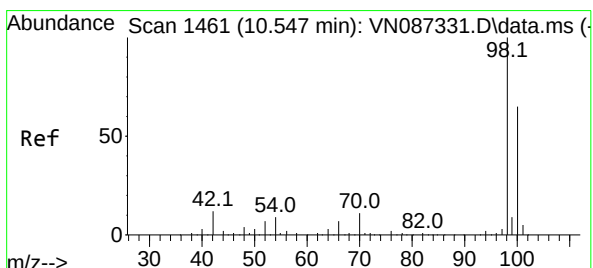
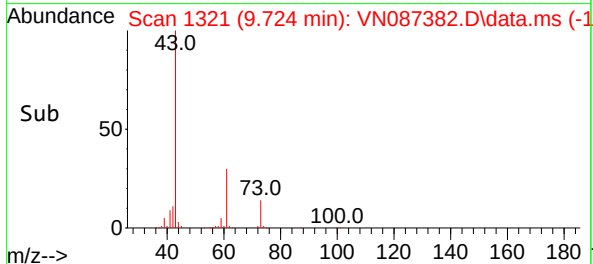
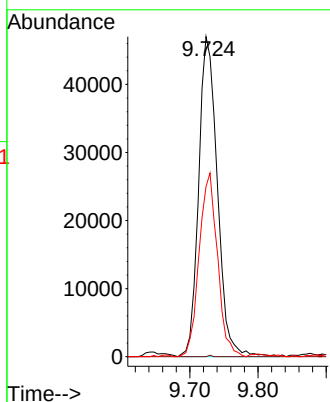
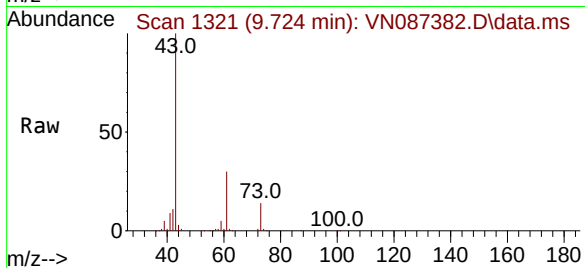
Tgt Ion: 41 Resp: 89583

Ion Ratio Lower Upper

41 100

69 0.1 64.1 96.1#

39 56.3 45.5 68.3



#50

Toluene-d8

Concen: 53.407 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087382.D

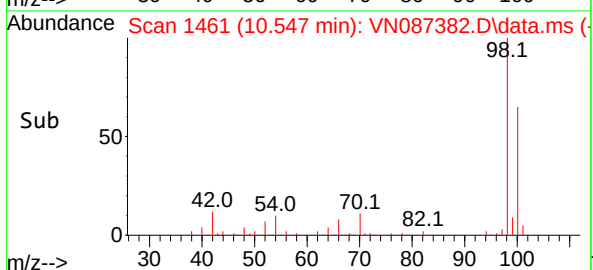
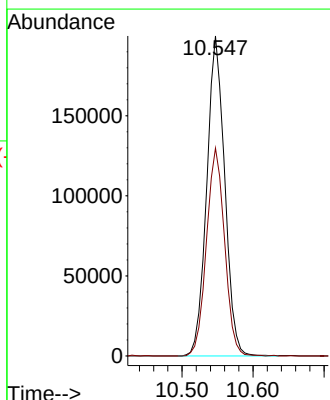
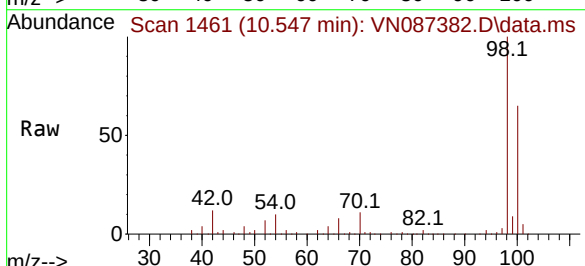
Acq: 21 Jul 2025 16:03

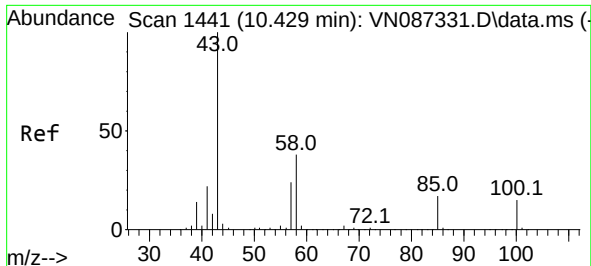
Tgt Ion: 98 Resp: 351392

Ion Ratio Lower Upper

98 100

100 65.5 52.1 78.1

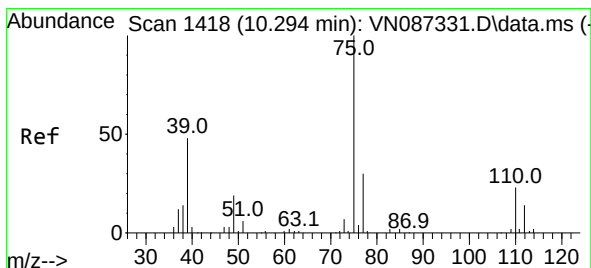
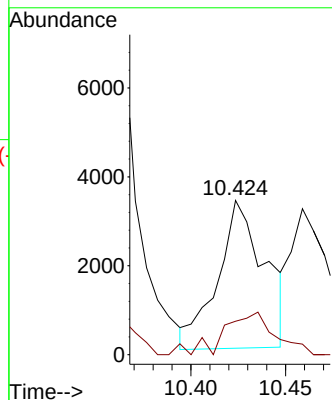
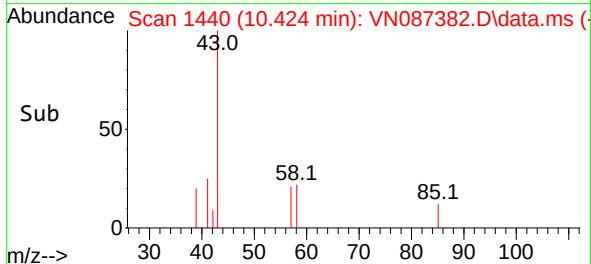
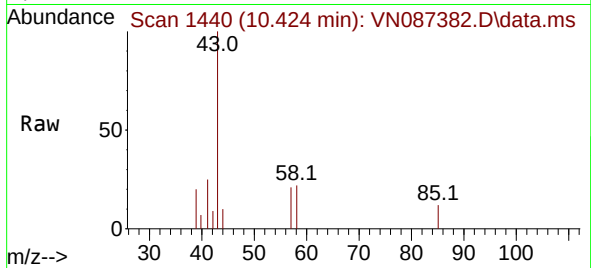




#51
4-Methyl-2-Pentanone
Concen: 1.663 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.005 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

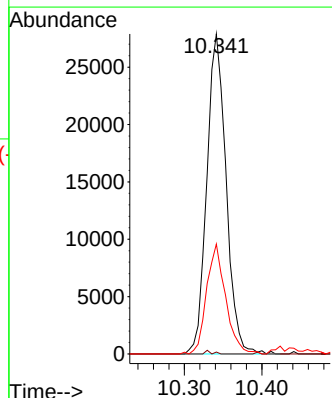
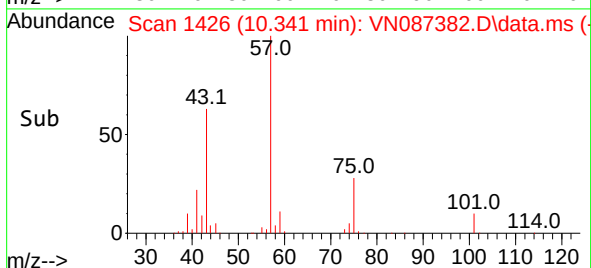
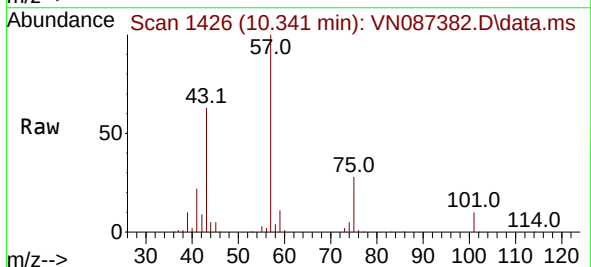
Instrument :
MSVOA_N
ClientSampleId :
WC-5

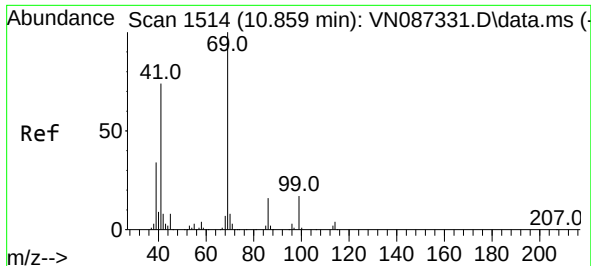
Tgt Ion: 43 Resp: 5745
Ion Ratio Lower Upper
43 100
58 31.9 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 15.300 ug/l
RT: 10.341 min Scan# 1426
Delta R.T. 0.047 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

Tgt Ion: 75 Resp: 48273
Ion Ratio Lower Upper
75 100
77 0.6 24.2 36.2#
39 34.3 38.4 57.6#

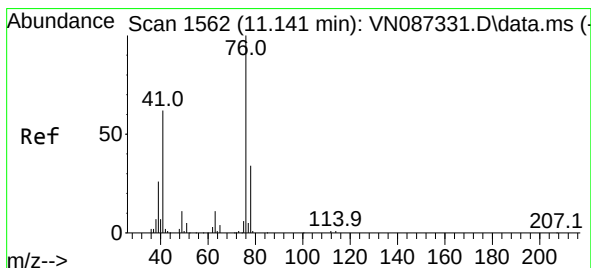
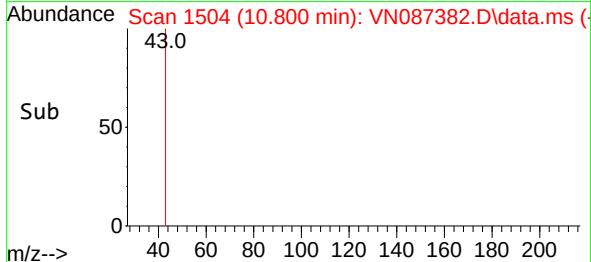
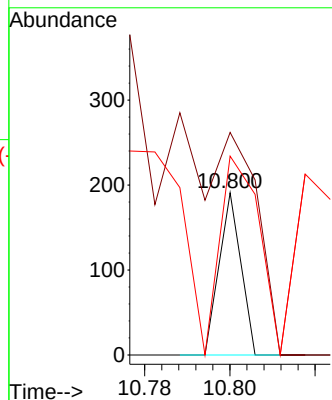
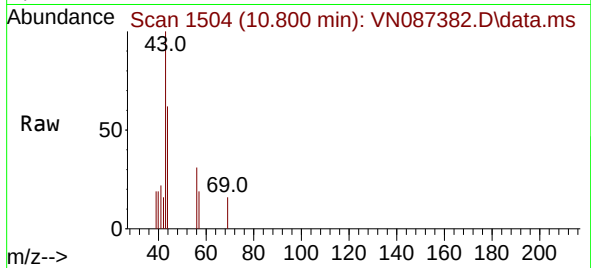




#56
Ethyl methacrylate
Concen: 0.656 ug/l
RT: 10.800 min Scan# 11
Delta R.T. -0.059 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

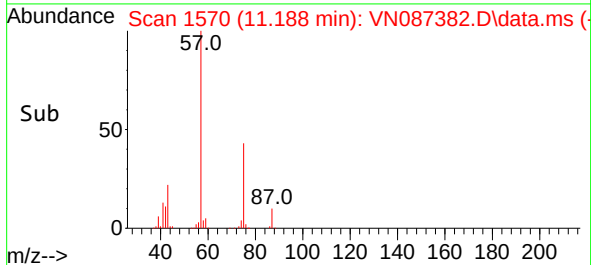
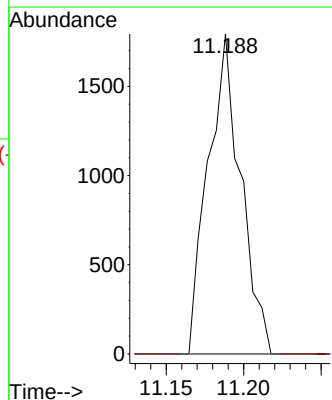
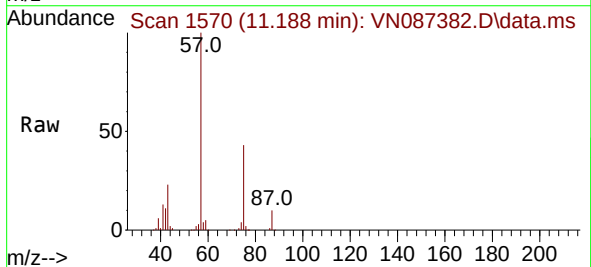
Instrument :
MSVOA_N
ClientSampleId :
WC-5

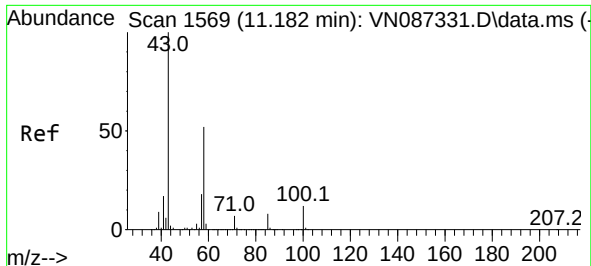
Tgt Ion: 69 Resp: 67
Ion Ratio Lower Upper
69 100
41 0.0 55.1 82.7#
39 0.0 27.9 41.9#



#57
1,3-Dichloropropane
Concen: 0.784 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. 0.047 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

Tgt Ion: 76 Resp: 2627
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

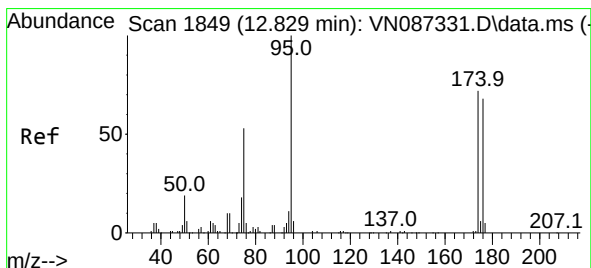
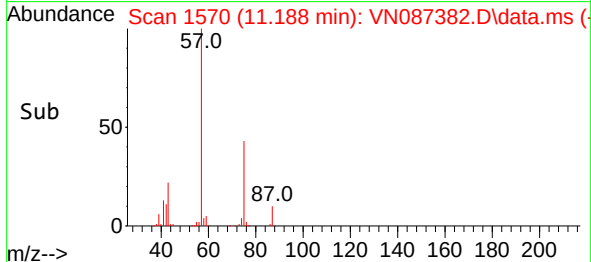
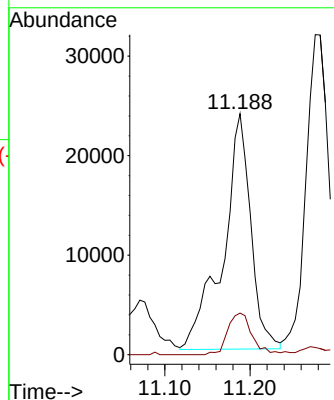
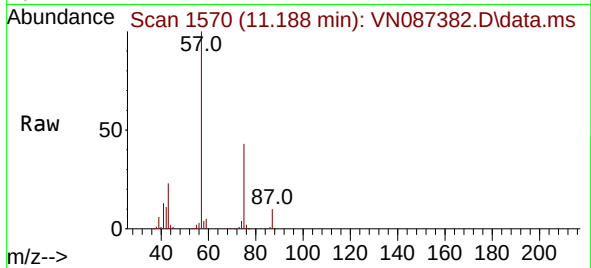




#59
2-Hexanone
Concen: 23.439 ug/l
RT: 11.188 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

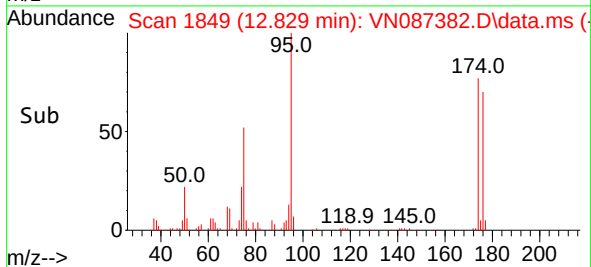
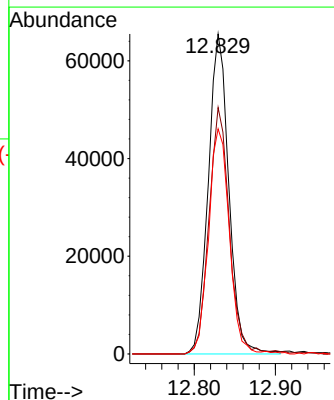
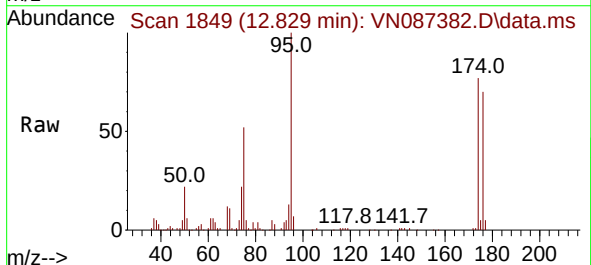
Instrument :
MSVOA_N
ClientSampleId :
WC-5

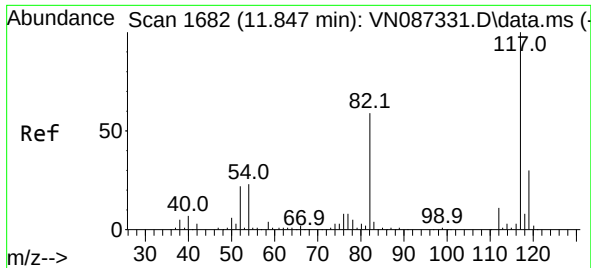
Tgt Ion: 43 Resp: 53736
Ion Ratio Lower Upper
43 100
58 15.4 26.7 80.0#



#62
4-Bromofluorobenzene
Concen: 47.272 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

Tgt Ion: 95 Resp: 114910
Ion Ratio Lower Upper
95 100
174 76.2 0.0 149.4
176 71.7 0.0 141.2

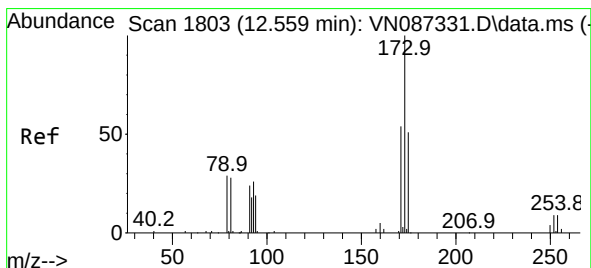
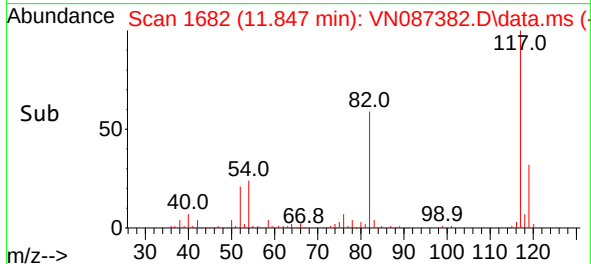
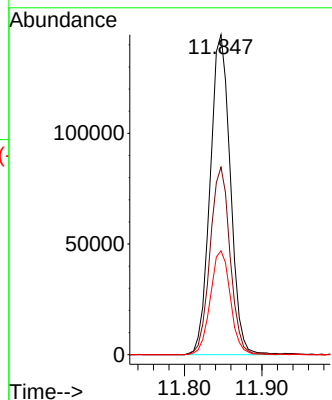
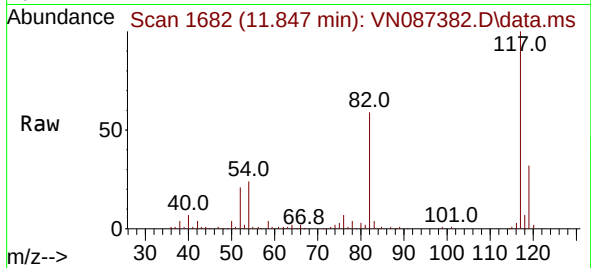




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

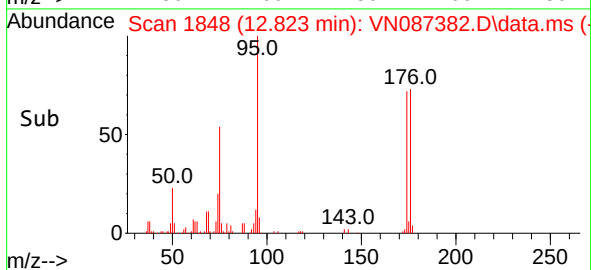
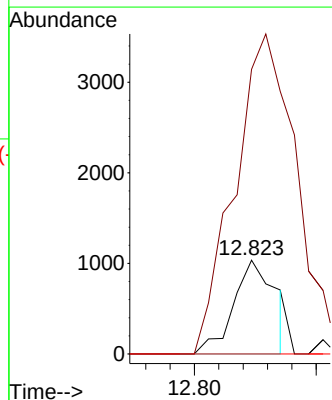
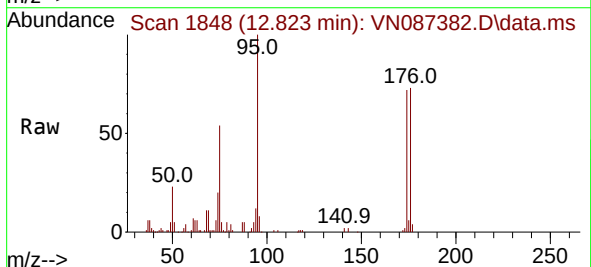
Instrument :
MSVOA_N
ClientSampleId :
WC-5

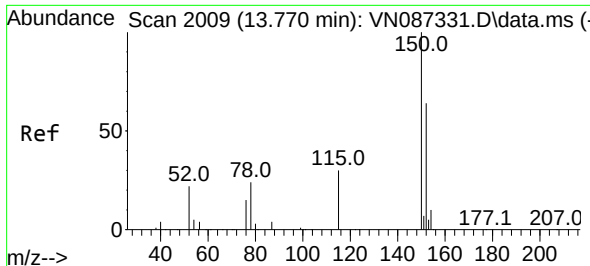
Tgt Ion:117 Resp: 261756
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 32.4 23.8 35.8



#71
Bromoform
Concen: 0.772 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.265 min
Lab File: VN087382.D
Acq: 21 Jul 2025 16:03

Tgt Ion:173 Resp: 1246
Ion Ratio Lower Upper
173 100
175 381.2 24.1 72.3#
254 0.0 0.0 0.0

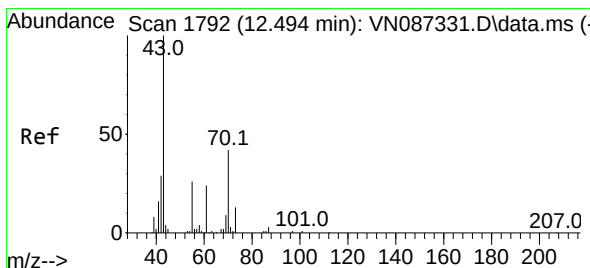
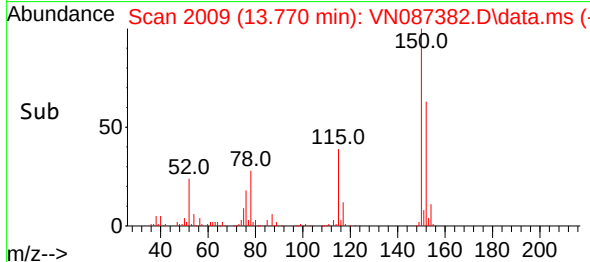
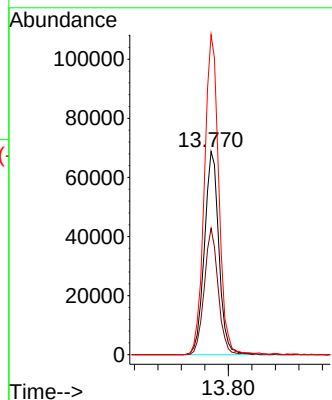
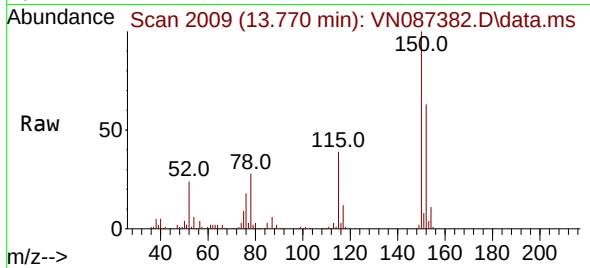




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN087382.D
 Acq: 21 Jul 2025 16:03

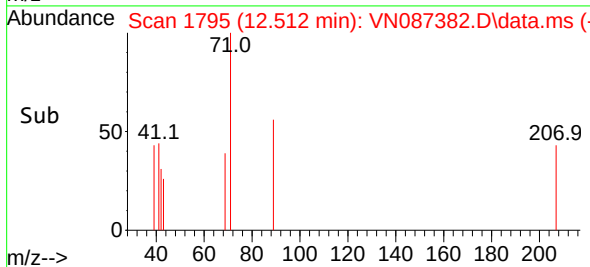
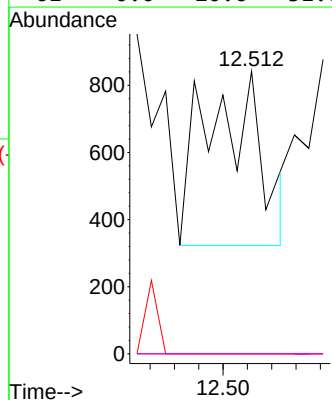
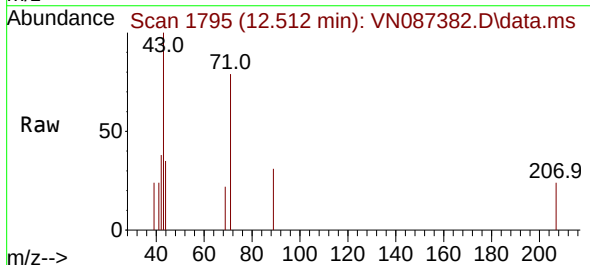
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-5

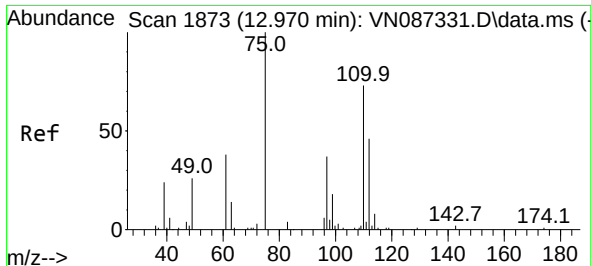
Tgt Ion:152 Resp: 118147
 Ion Ratio Lower Upper
 152 100
 115 59.5 31.1 93.5
 150 156.3 0.0 349.0



#74
 N-ethyl acetate
 Concen: 0.261 ug/l
 RT: 12.512 min Scan# 1795
 Delta R.T. 0.018 min
 Lab File: VN087382.D
 Acq: 21 Jul 2025 16:03

Tgt Ion: 43 Resp: 806
 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#

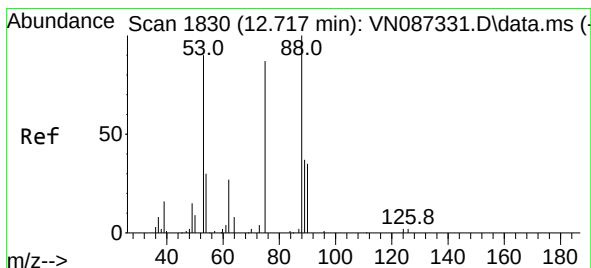
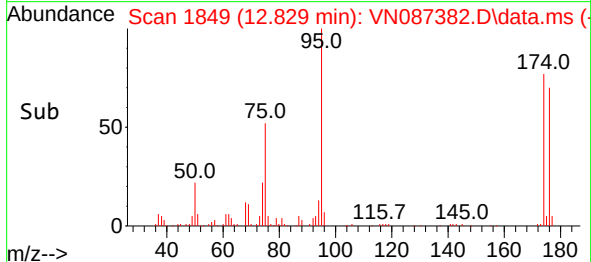
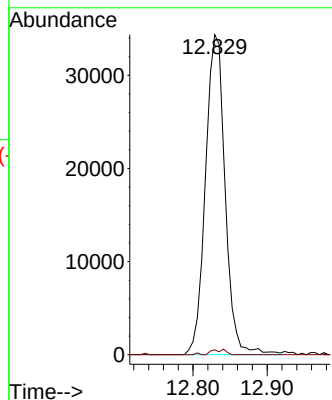
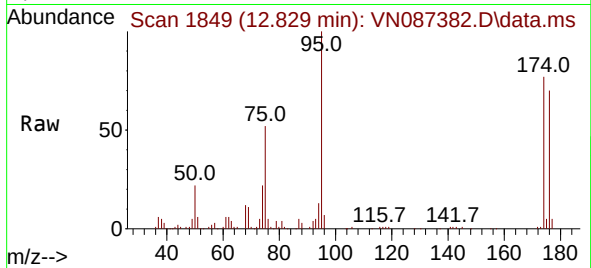




#76
 1,2,3-Trichloropropane
 Concen: 23.966 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087382.D
 Acq: 21 Jul 2025 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-5

Tgt Ion: 75 Resp: 63495
 Ion Ratio Lower Upper
 75 100
 77 1.1 94.5 283.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.575 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN087382.D
 Acq: 21 Jul 2025 16:03

Tgt Ion: 75 Resp: 63495
 Ion Ratio Lower Upper
 75 100
 53 0.2 83.5 125.3#
 89 0.0 38.4 57.6#

