

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
 Data File : VN087972.D
 Acq On : 26 Sep 2025 17:13
 Operator : JC\MD
 Sample : Q3183-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

Quant Time: Sep 27 01:29:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

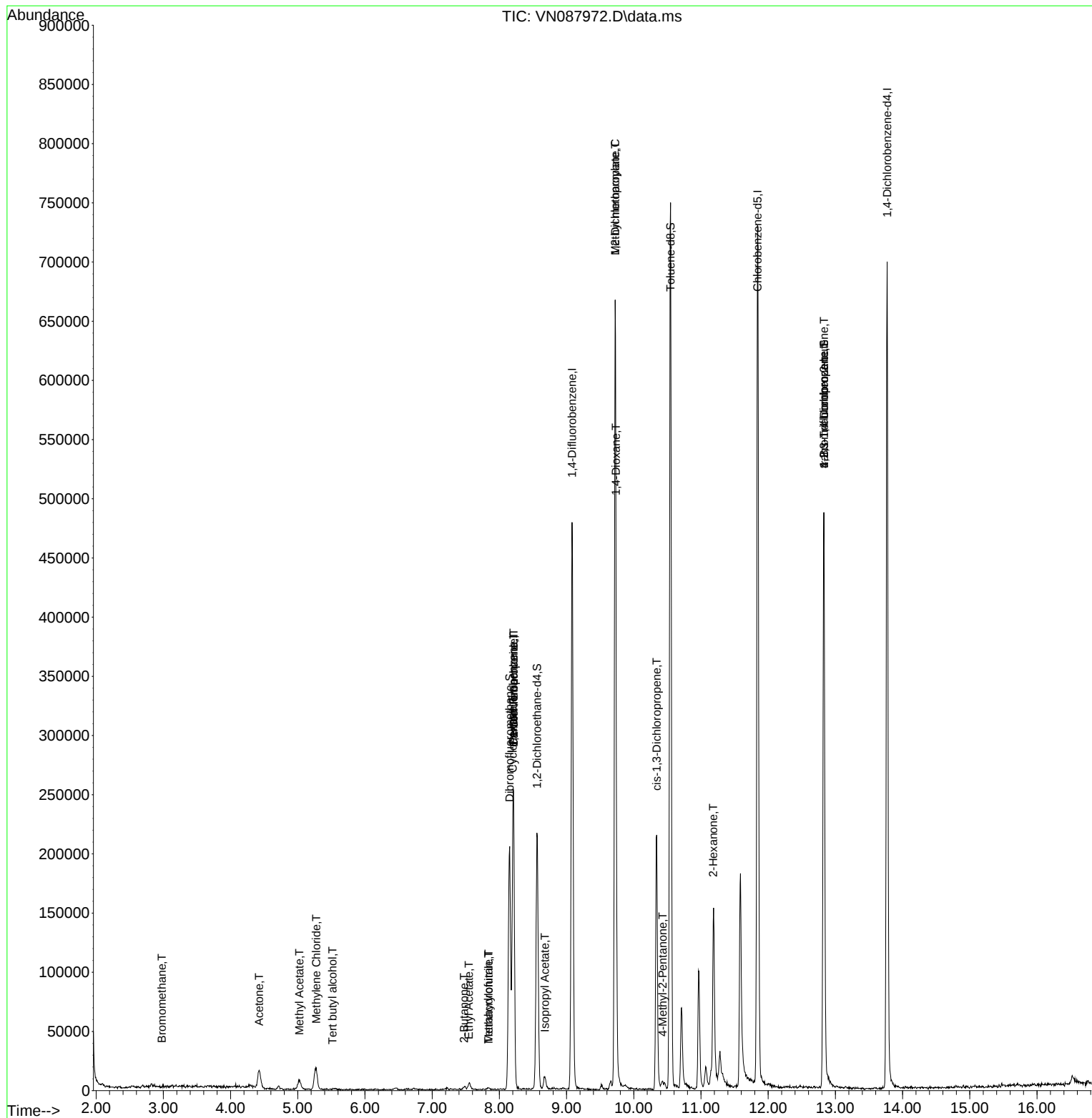
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	179767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	399691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	422262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	190255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	174092	57.545	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.080%
35) Dibromofluoromethane	8.153	113	147391	50.790	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.580%
50) Toluene-d8	10.547	98	514816	50.447	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.900%
62) 4-Bromofluorobenzene	12.829	95	173446	47.548	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.100%
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	328	0.243	ug/l #	2
11) Tert butyl alcohol	5.518	59	362	0.831	ug/l #	71
16) Acetone	4.424	43	28772	23.115	ug/l	95
18) Methyl Acetate	5.024	43	18571	5.961	ug/l	94
20) Methylene Chloride	5.277	84	14462	5.740	ug/l	90
25) 2-Butanone	7.477	43	4032	2.119	ug/l #	48
29) Tetrahydrofuran	7.835	42	1171	0.961	ug/l #	40
31) Cyclohexane	8.200	56	4610	1.359	ug/l #	38
36) 1,1-Dichloropropene	8.212	75	16247	4.656	ug/l #	48
37) Ethyl Acetate	7.547	43	9536	2.081	ug/l #	91
38) Carbon Tetrachloride	8.212	117	20970	5.237	ug/l #	18
41) Methacrylonitrile	7.841	41	668	0.282	ug/l #	37
43) Isopropyl Acetate	8.677	43	12298	1.705	ug/l #	86
45) 1,2-Dichloropropane	9.724	63	948	0.327	ug/l #	43
48) Methyl methacrylate	9.724	41	66690	19.966	ug/l #	43
49) 1,4-Dioxane	9.735	88	59	1.196	ug/l #	1
51) 4-Methyl-2-Pentanone	10.429	43	2815	0.625	ug/l #	64
54) cis-1,3-Dichloropropene	10.341	75	39859	8.363	ug/l #	63
59) 2-Hexanone	11.182	43	24635	8.278	ug/l #	56
76) 1,2,3-Trichloropropane	12.829	75	95412	25.441	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	95412	70.645	ug/l #	9

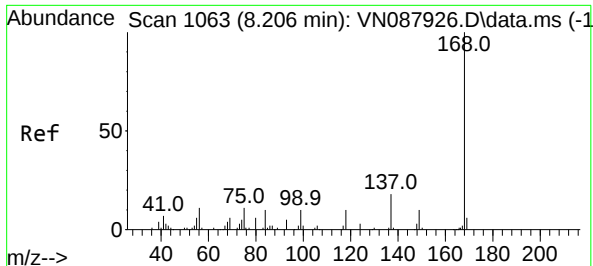
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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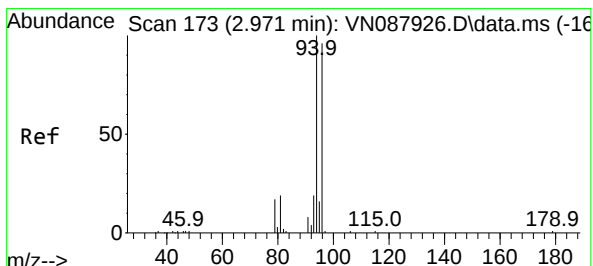
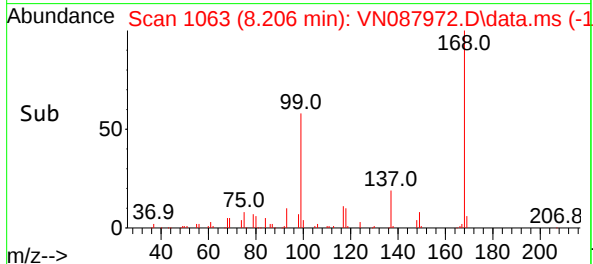
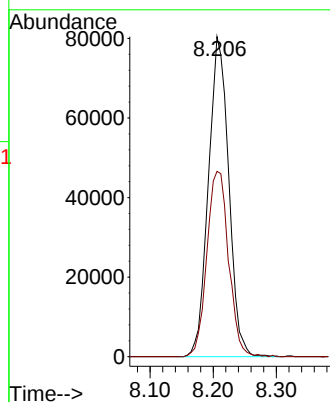
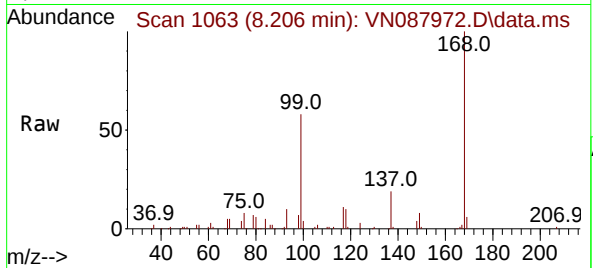




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

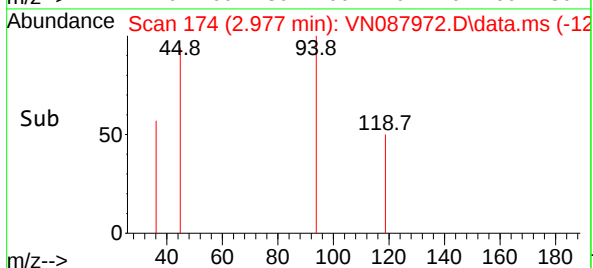
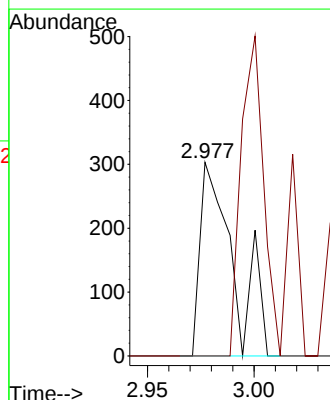
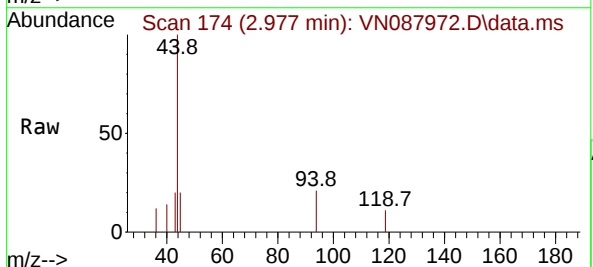
Instrument :
MSVOA_N
ClientSampleId :
WC-3

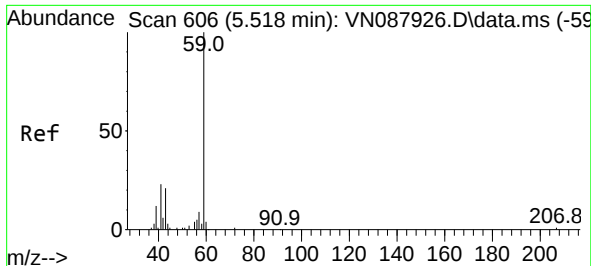
Tgt Ion:168 Resp: 179767
Ion Ratio Lower Upper
168 100
99 57.9 52.2 78.2



#5
Bromomethane
Concen: 0.243 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.006 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 94 Resp: 328
Ion Ratio Lower Upper
94 100
96 0.0 76.8 115.2#

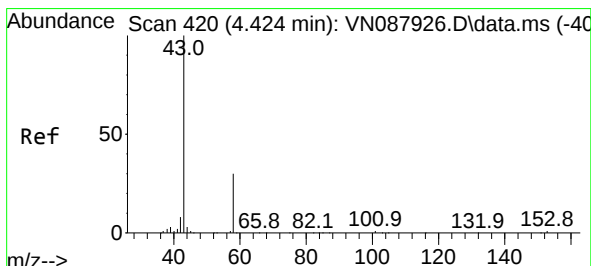
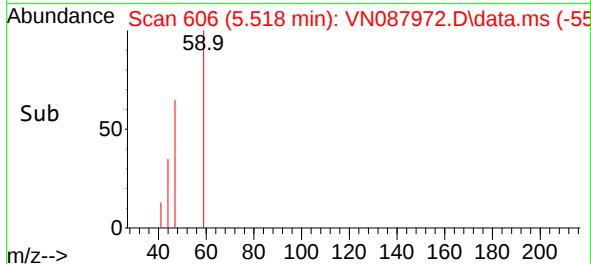
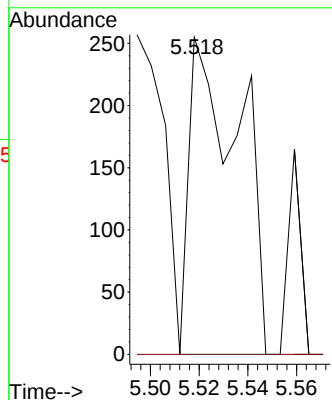
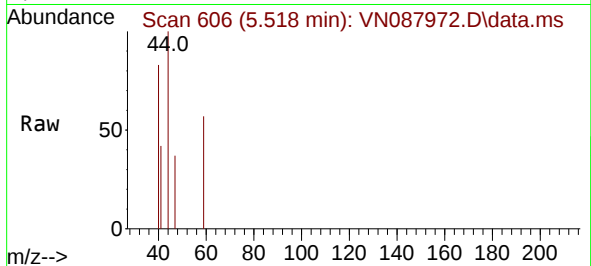




#11
Tert butyl alcohol
Concen: 0.831 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

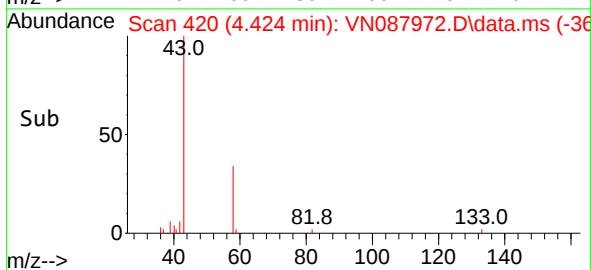
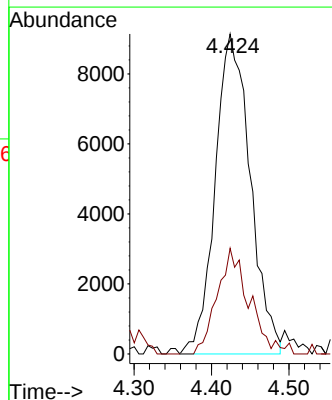
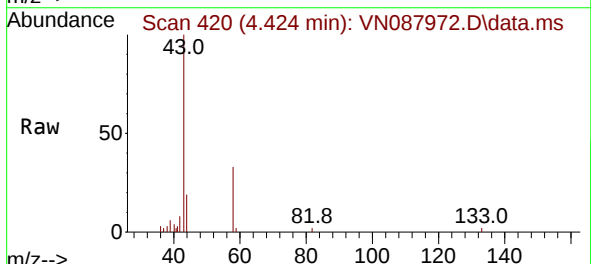
Instrument :
MSVOA_N
ClientSampleId :
WC-3

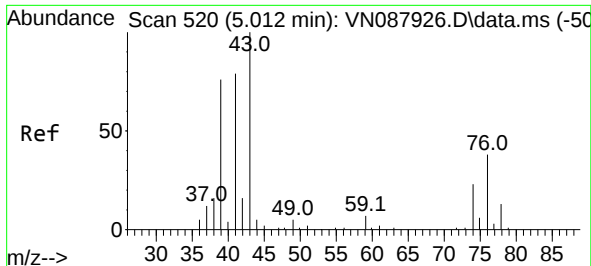
Tgt Ion: 59 Resp: 362
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 23.115 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 43 Resp: 28772
Ion Ratio Lower Upper
43 100
58 33.0 24.1 36.1

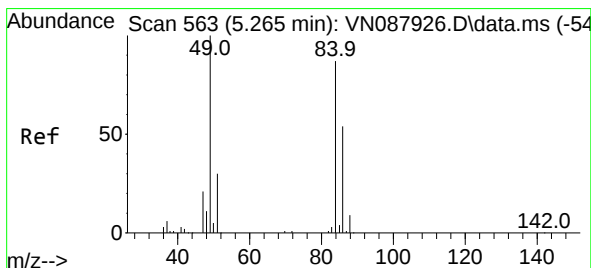
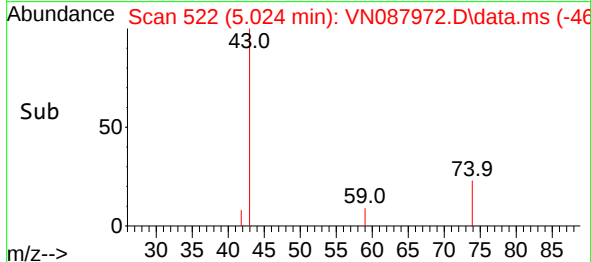
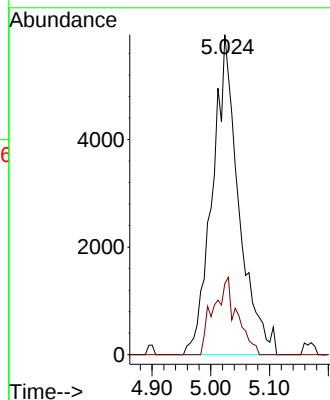
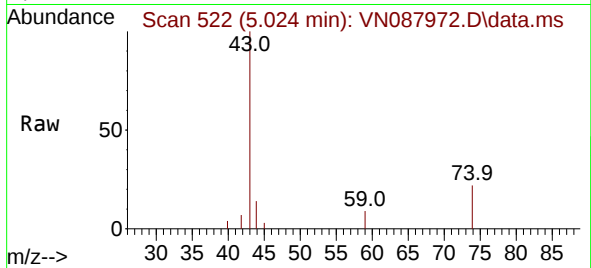




#18
Methyl Acetate
Concen: 5.961 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

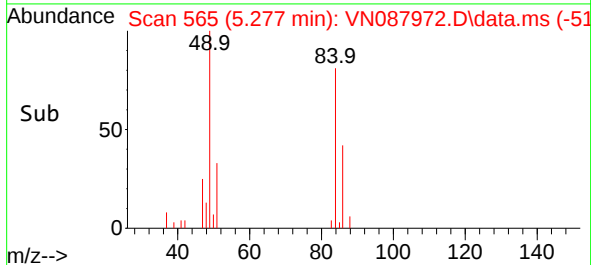
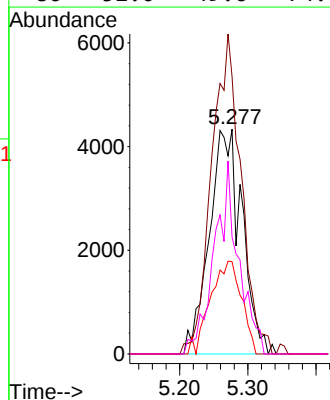
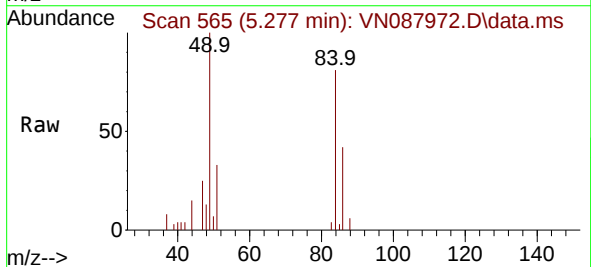
Instrument :
MSVOA_N
ClientSampleId :
WC-3

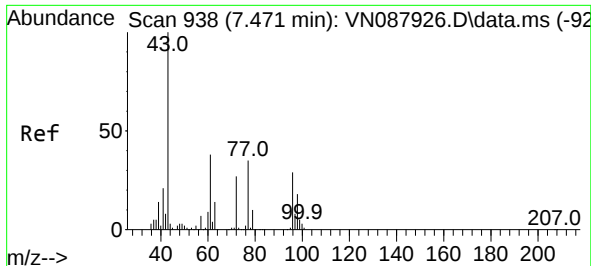
Tgt Ion: 43 Resp: 18571
Ion Ratio Lower Upper
43 100
74 21.7 19.7 29.5



#20
Methylene Chloride
Concen: 5.740 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.012 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 84 Resp: 14462
Ion Ratio Lower Upper
84 100
49 123.5 92.1 138.1
51 41.1 27.7 41.5
86 52.0 49.6 74.4

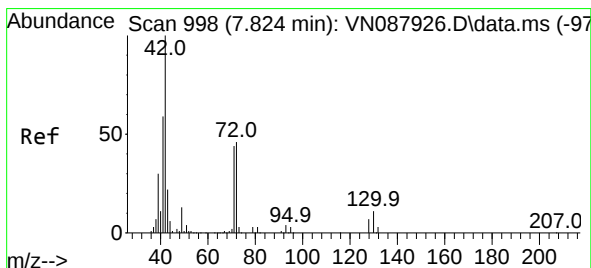
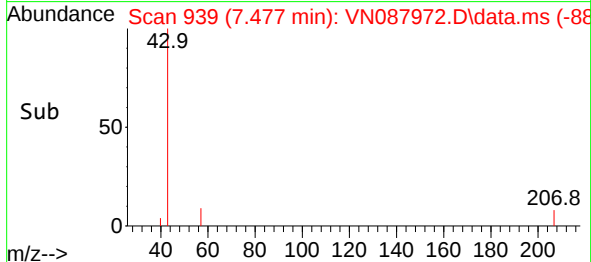
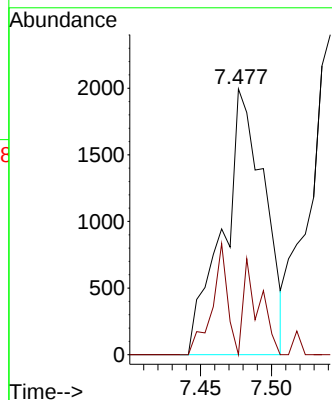
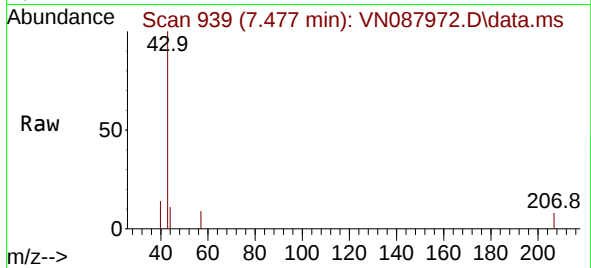




#25
2-Butanone
Concen: 2.119 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

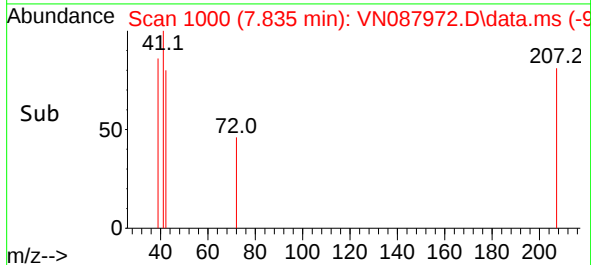
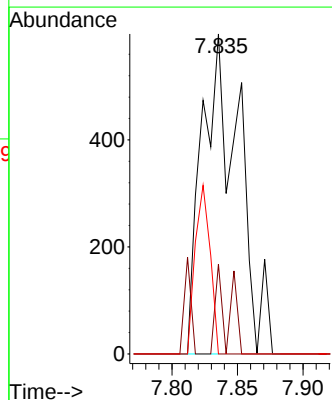
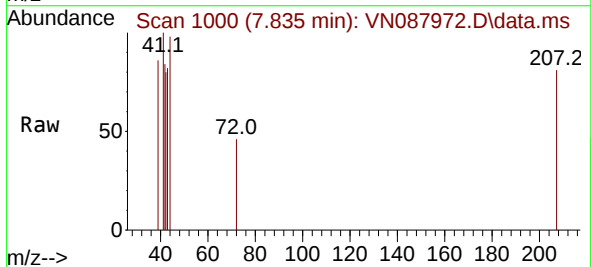
Instrument :
MSVOA_N
ClientSampleId :
WC-3

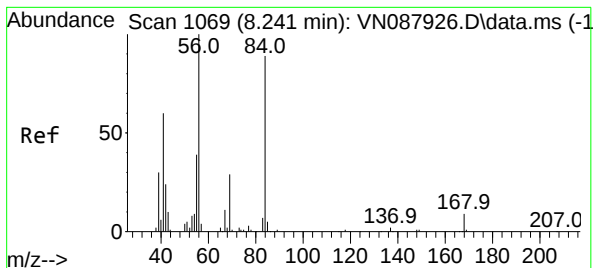
Tgt Ion: 43 Resp: 4032
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#



#29
Tetrahydrofuran
Concen: 0.961 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.012 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 42 Resp: 1171
Ion Ratio Lower Upper
42 100
72 9.7 36.5 54.7#
71 0.0 33.8 50.8#





#31

Cyclohexane

Concen: 1.359 ug/l

RT: 8.200 min Scan# 1

Delta R.T. -0.041 min

Lab File: VN087972.D

Acq: 26 Sep 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

WC-3

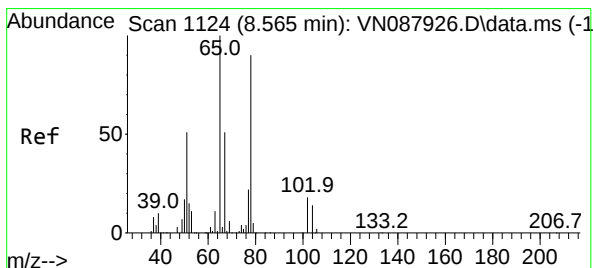
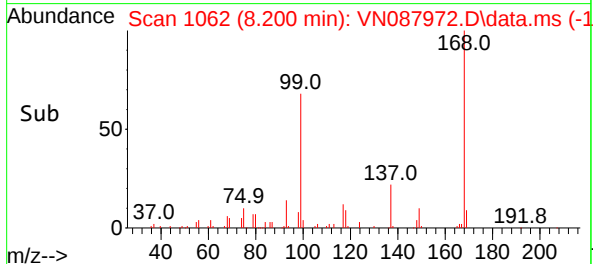
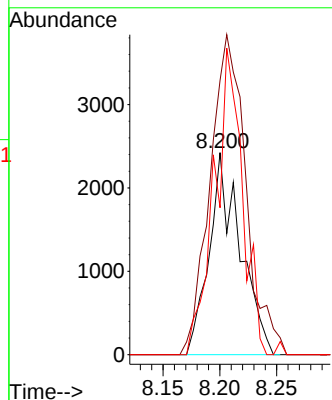
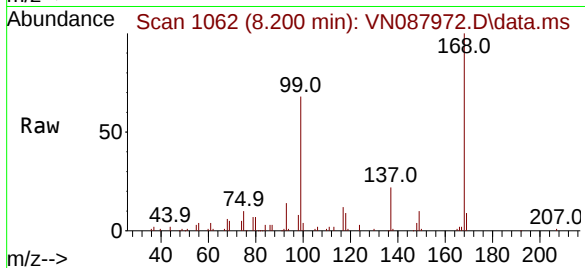
Tgt Ion: 56 Resp: 4610

Ion Ratio Lower Upper

56 100

69 135.7 23.4 35.0#

84 72.6 70.8 106.2



#33

1,2-Dichloroethane-d4

Concen: 57.545 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087972.D

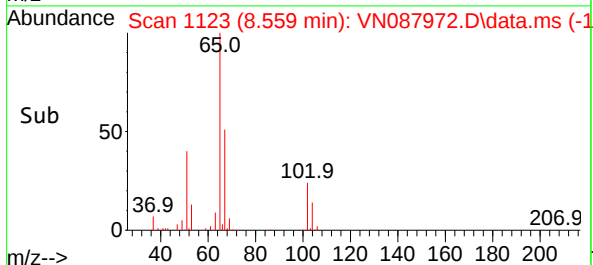
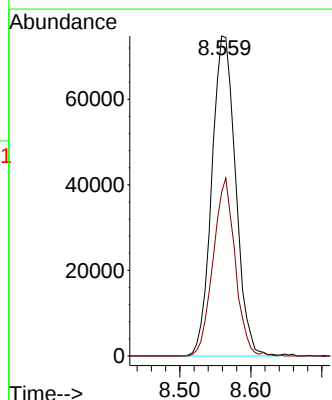
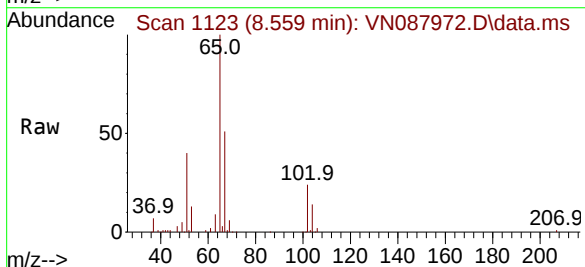
Acq: 26 Sep 2025 17:13

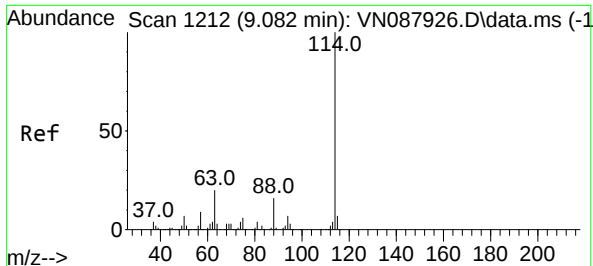
Tgt Ion: 65 Resp: 174092

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087972.D

Acq: 26 Sep 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

WC-3

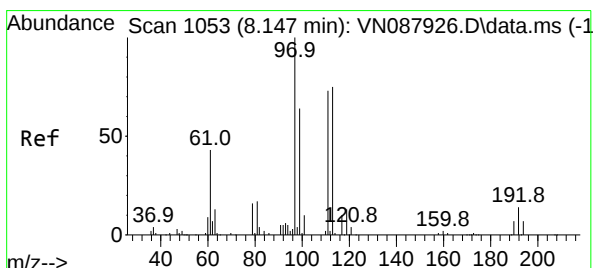
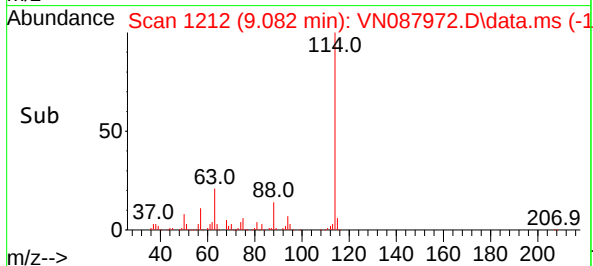
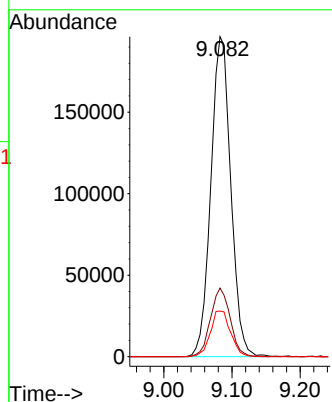
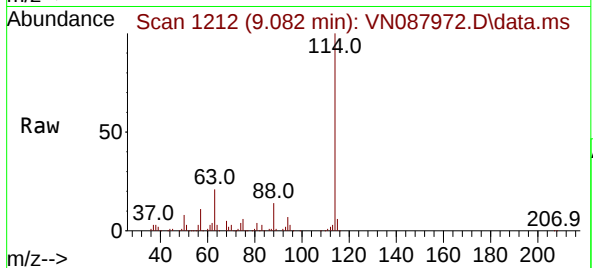
Tgt Ion:114 Resp: 399691

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.790 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087972.D

Acq: 26 Sep 2025 17:13

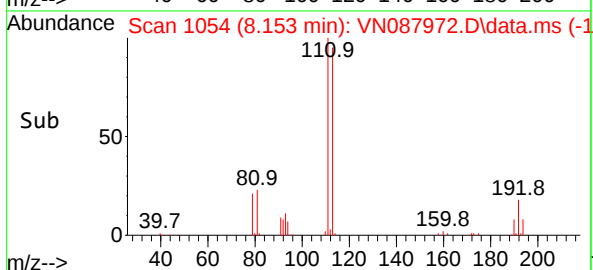
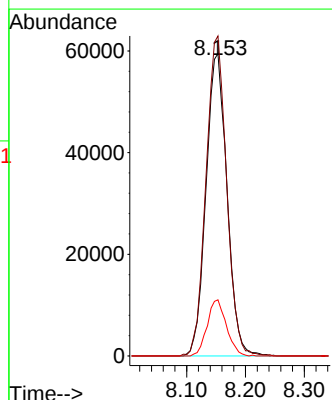
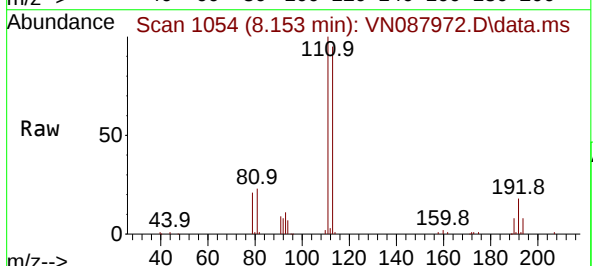
Tgt Ion:113 Resp: 147391

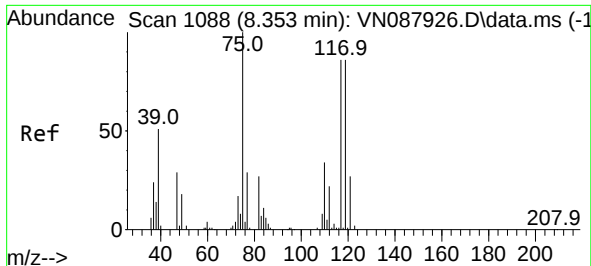
Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.2

192 17.0 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.656 ug/l

RT: 8.212 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN087972.D

Acq: 26 Sep 2025 17:13

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WC-3

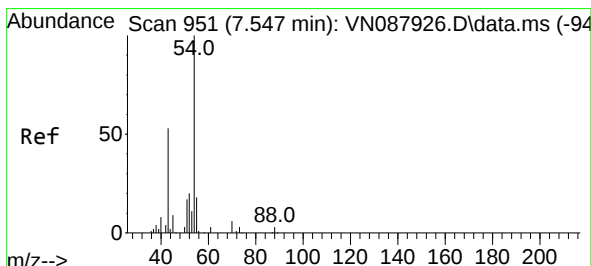
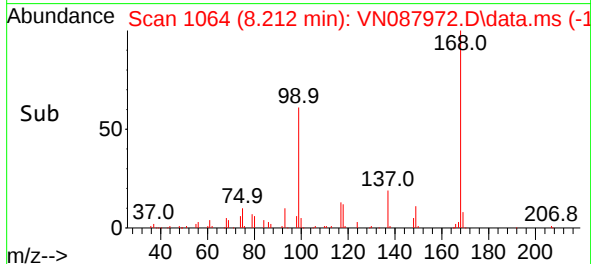
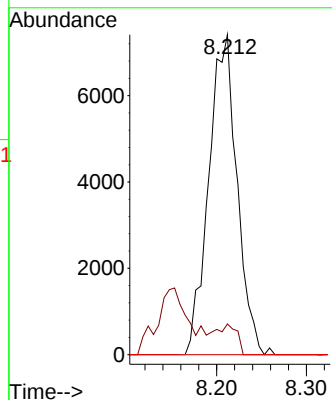
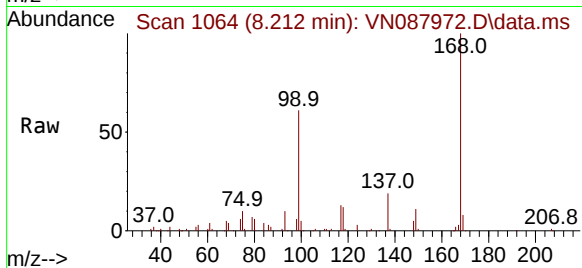
Tgt Ion: 75 Resp: 16247

Ion Ratio Lower Upper

75 100

110 6.5 17.1 51.3#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 2.081 ug/l

RT: 7.547 min Scan# 951

Delta R.T. -0.000 min

Lab File: VN087972.D

Acq: 26 Sep 2025 17:13

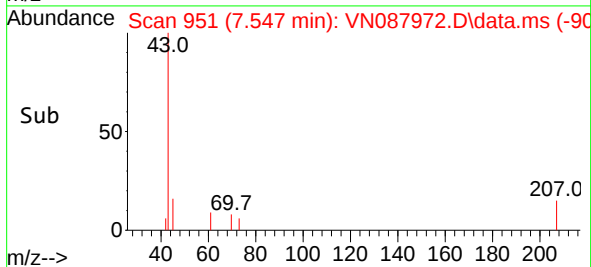
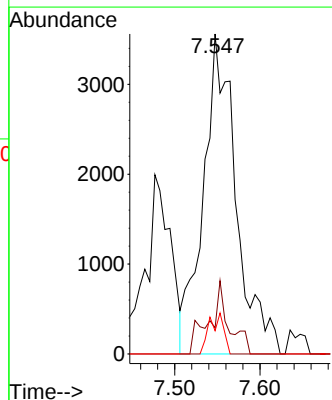
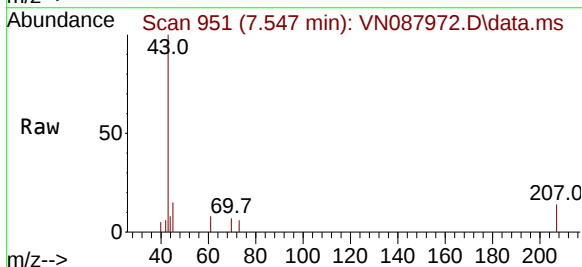
Tgt Ion: 43 Resp: 9536

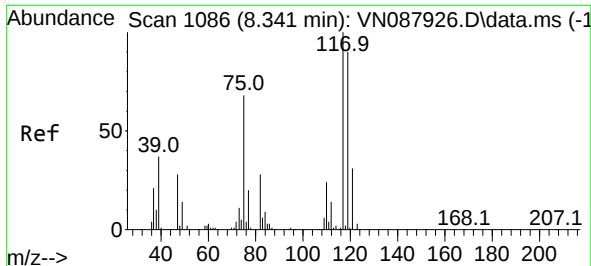
Ion Ratio Lower Upper

43 100

61 10.3 10.7 16.1#

70 5.6 7.8 11.8#

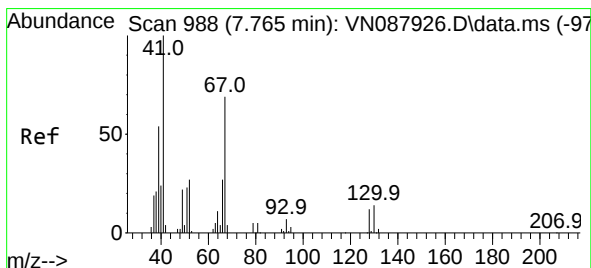
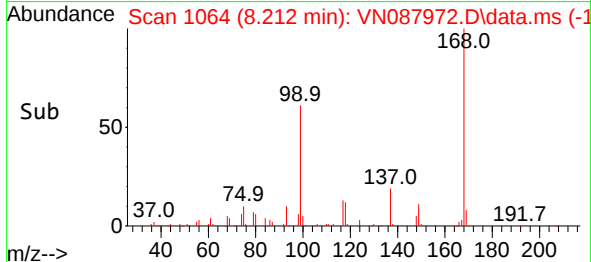
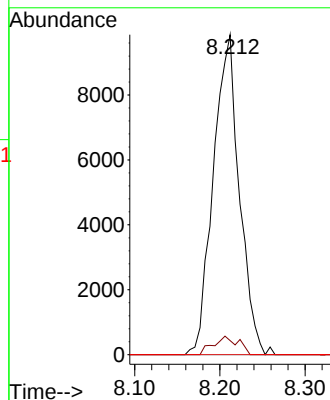
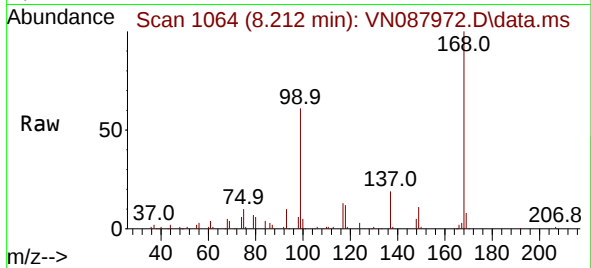




#38
Carbon Tetrachloride
Concen: 5.237 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.129 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

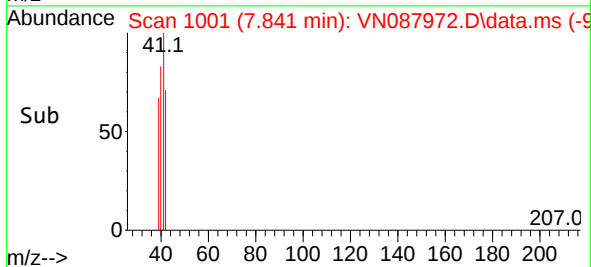
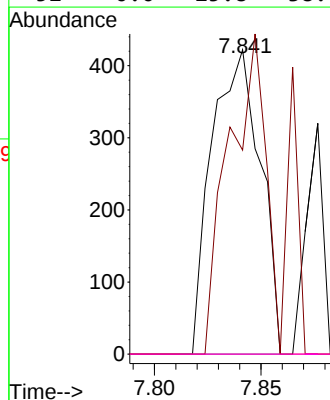
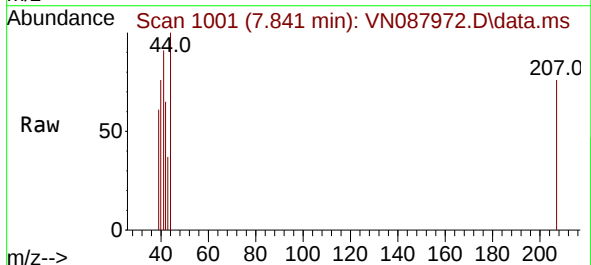
Instrument :
MSVOA_N
ClientSampleId :
WC-3

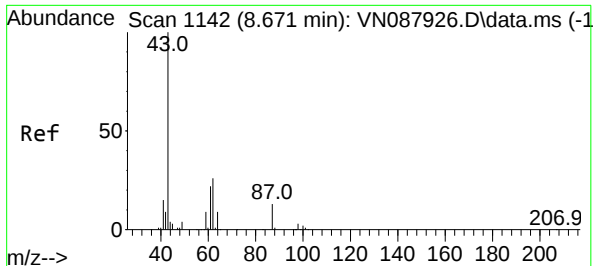
Tgt Ion:117 Resp: 20970
Ion Ratio Lower Upper
117 100
119 4.4 72.1 108.1#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.282 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.076 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 41 Resp: 668
Ion Ratio Lower Upper
41 100
39 80.2 43.5 65.3#
67 0.0 57.6 86.4#
52 0.0 25.8 38.6#





#43

Isopropyl Acetate

Concen: 1.705 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN087972.D

Acq: 26 Sep 2025 17:13

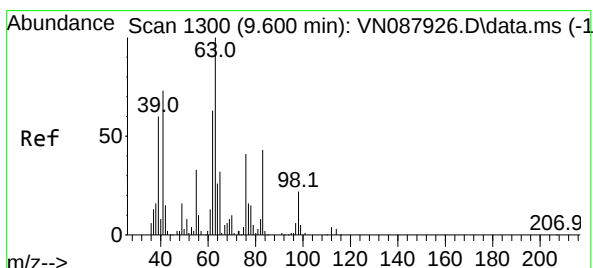
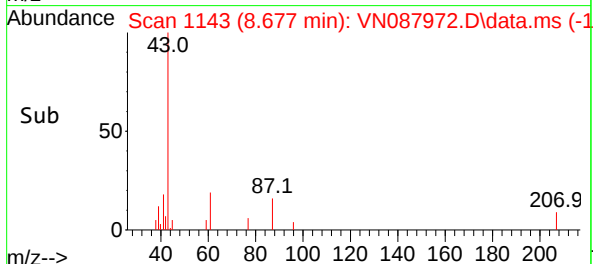
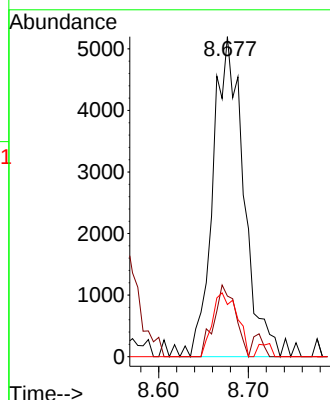
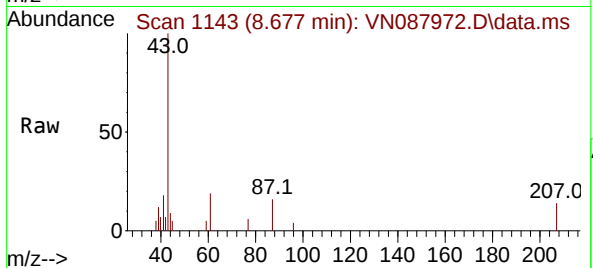
Instrument :

MSVOA_N

ClientSampleId :

WC-3

Tgt Ion:	43	Resp:	12298
Ion	Ratio	Lower	Upper
43	100		
61	15.7	20.2	30.2#
87	16.1	10.9	16.3



#45

1,2-Dichloropropane

Concen: 0.327 ug/l

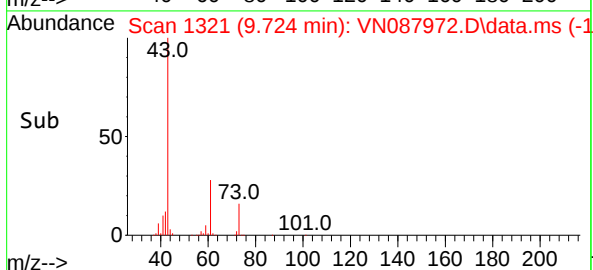
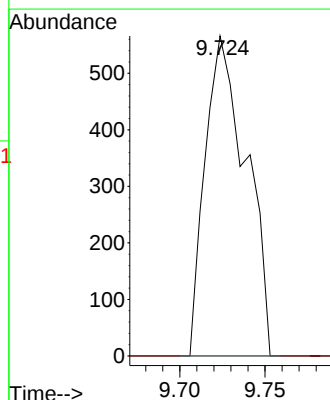
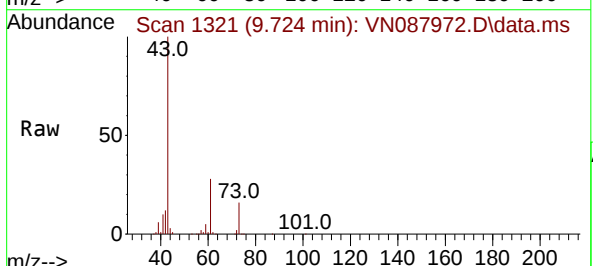
RT: 9.724 min Scan# 1321

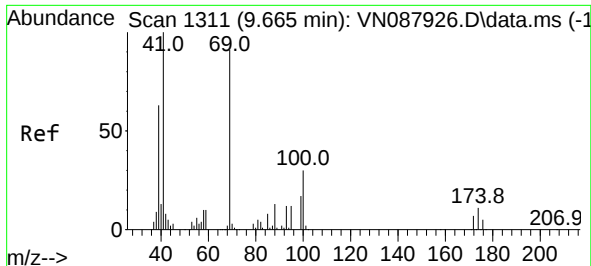
Delta R.T. 0.123 min

Lab File: VN087972.D

Acq: 26 Sep 2025 17:13

Tgt Ion:	63	Resp:	948
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.4	38.0#





#48

Methyl methacrylate

Concen: 19.966 ug/l

RT: 9.724 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN087972.D

Acq: 26 Sep 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

WC-3

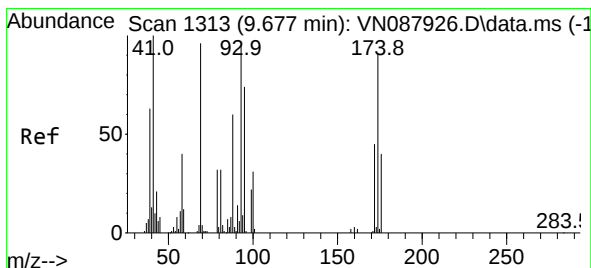
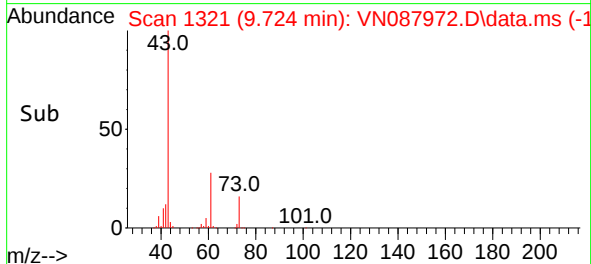
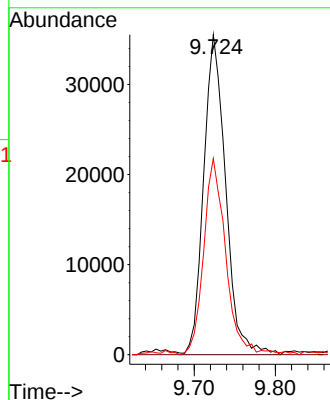
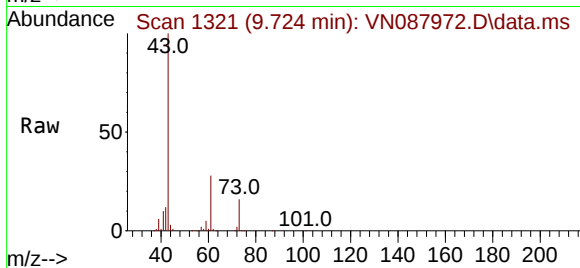
Tgt Ion: 41 Resp: 66690

Ion Ratio Lower Upper

41 100

69 0.0 70.9 106.3#

39 61.5 52.9 79.3



#49

1,4-Dioxane

Concen: 1.196 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN087972.D

Acq: 26 Sep 2025 17:13

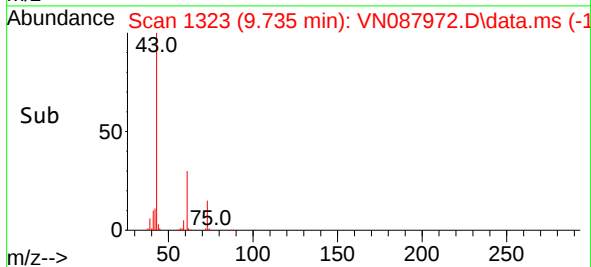
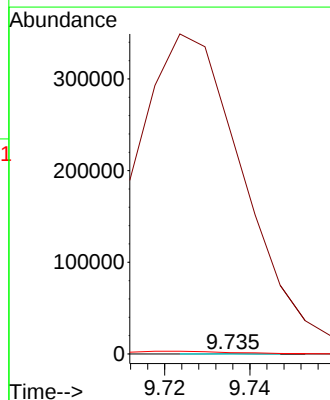
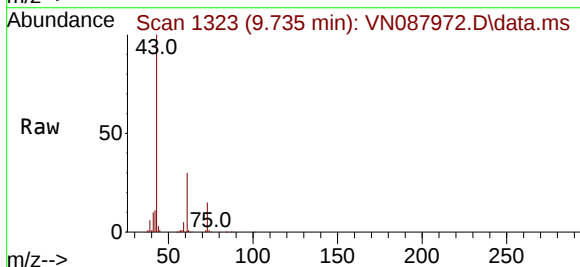
Tgt Ion: 88 Resp: 59

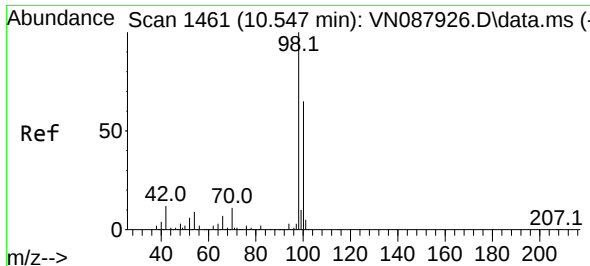
Ion Ratio Lower Upper

88 100

43 1119379.7 22.6 33.8#

58 9454.2 57.4 86.2#

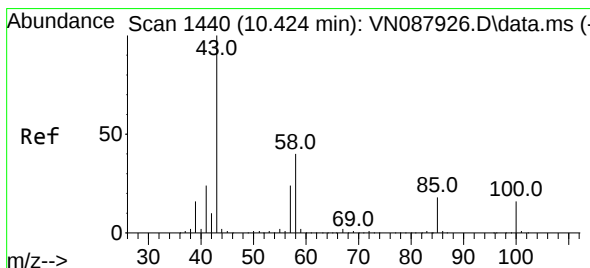
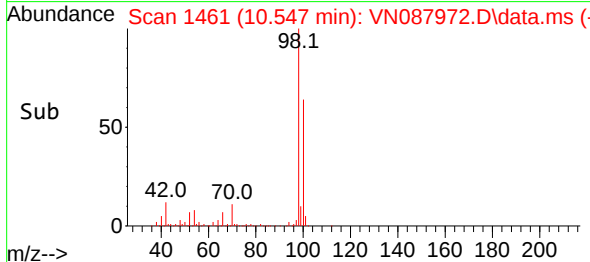
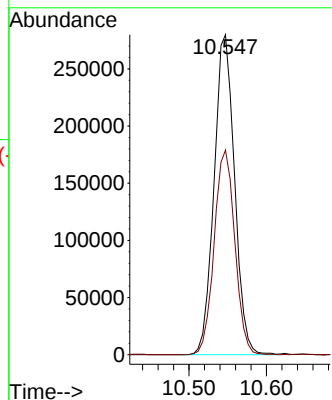
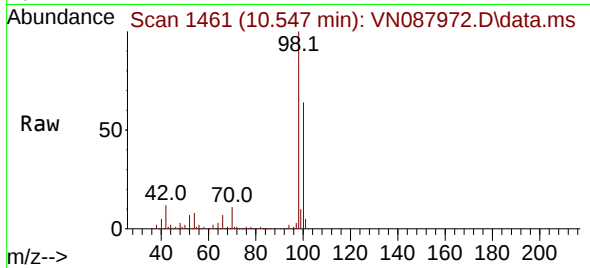




#50
Toluene-d8
Concen: 50.447 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

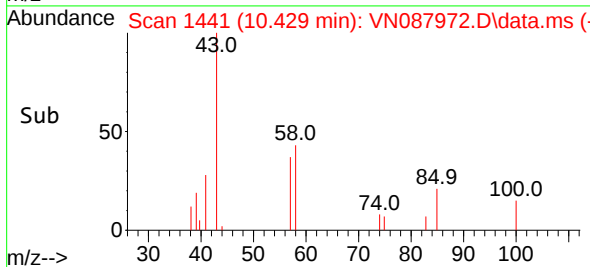
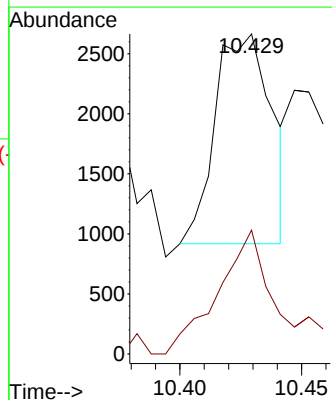
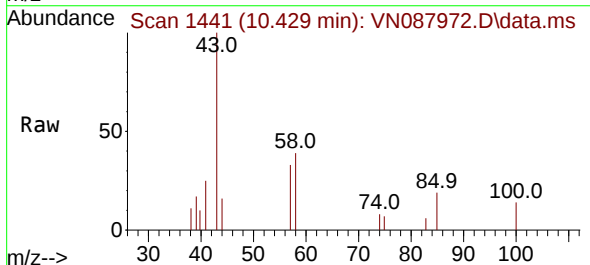
Instrument :
MSVOA_N
ClientSampleId :
WC-3

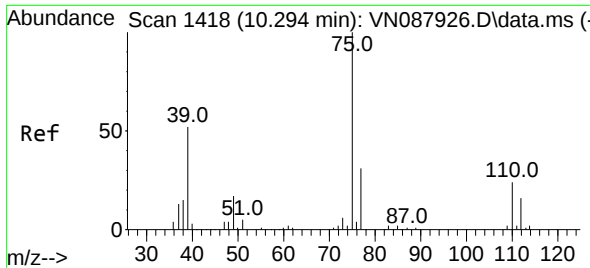
Tgt Ion: 98 Resp: 514816
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.625 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 43 Resp: 2815
Ion Ratio Lower Upper
43 100
58 60.9 31.0 46.6#

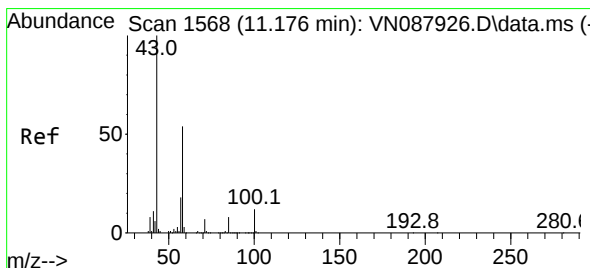
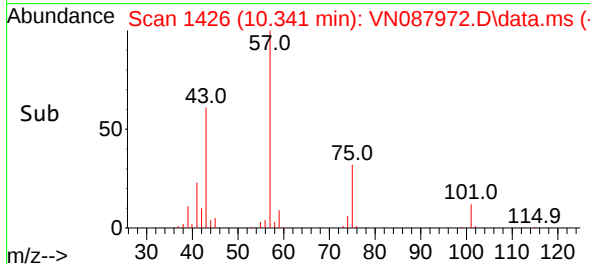
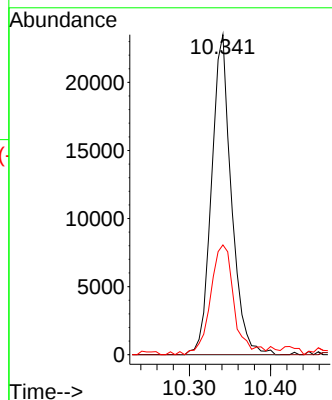
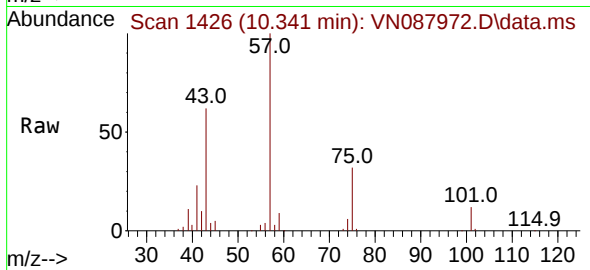




#54
 cis-1,3-Dichloropropene
 Concen: 8.363 ug/l
 RT: 10.341 min Scan# 1418
 Delta R.T. 0.047 min
 Lab File: VN087972.D
 Acq: 26 Sep 2025 17:13

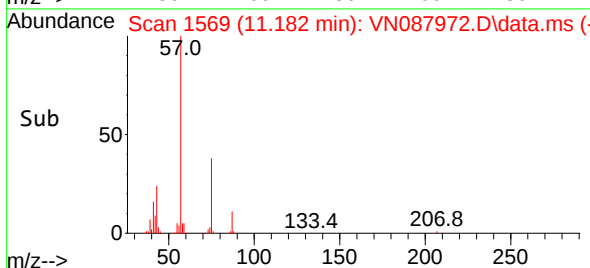
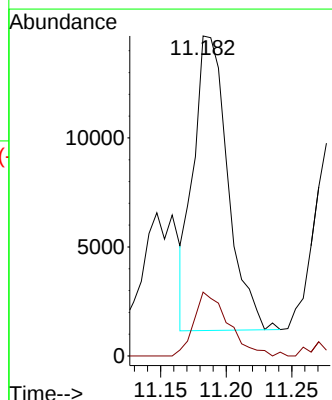
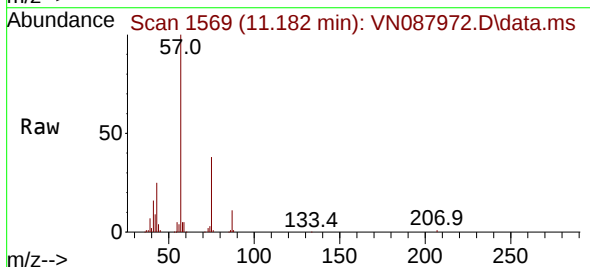
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

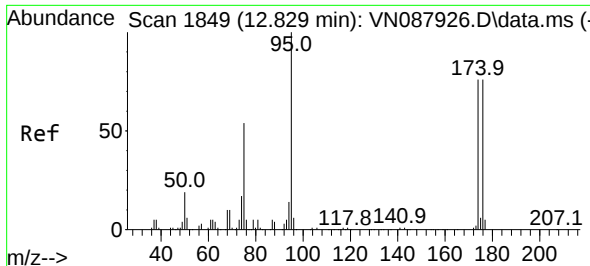
Tgt Ion: 75 Resp: 39859
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 33.4 41.4 62.0#



#59
 2-Hexanone
 Concen: 8.278 ug/l
 RT: 11.182 min Scan# 1569
 Delta R.T. 0.006 min
 Lab File: VN087972.D
 Acq: 26 Sep 2025 17:13

Tgt Ion: 43 Resp: 24635
 Ion Ratio Lower Upper
 43 100
 58 21.9 26.4 79.2#

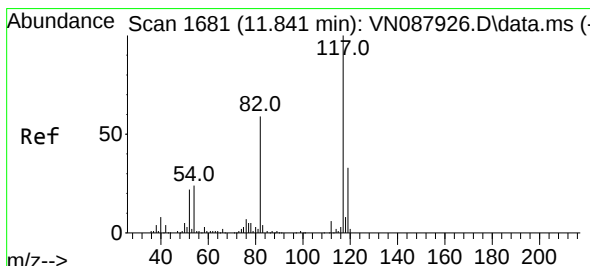
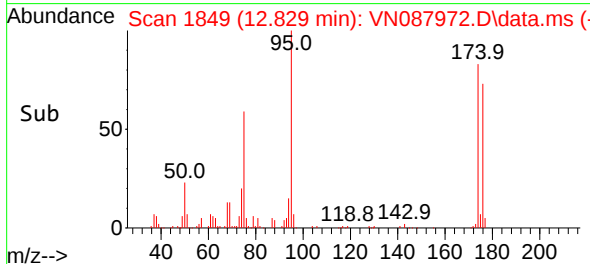
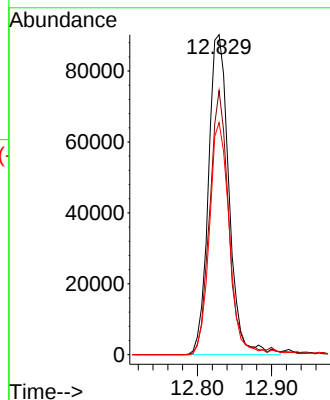
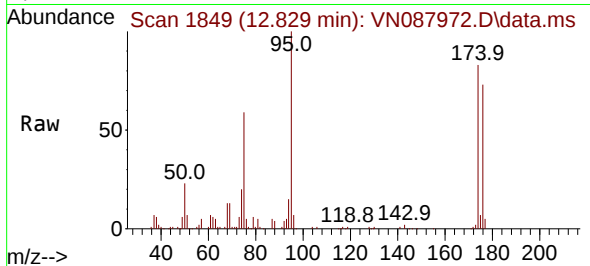




#62
4-Bromofluorobenzene
Concen: 47.548 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

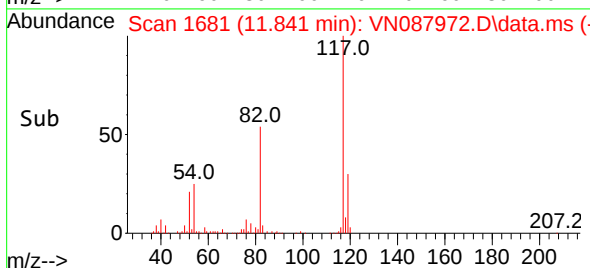
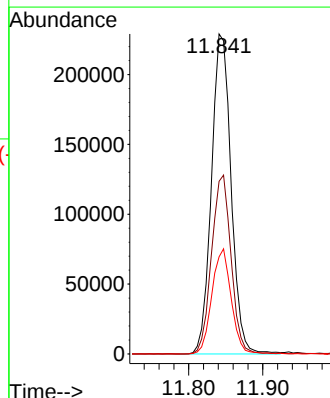
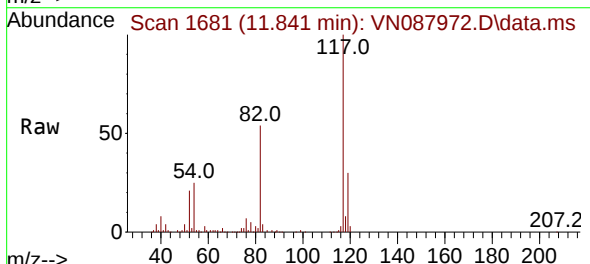
Instrument :
MSVOA_N
ClientSampleId :
WC-3

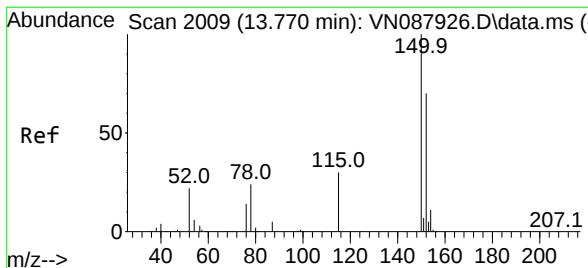
Tgt Ion: 95 Resp: 173446
Ion Ratio Lower Upper
95 100
174 76.2 0.0 159.2
176 70.2 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087972.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 117 Resp: 422262
Ion Ratio Lower Upper
117 100
82 54.0 47.0 70.4
119 30.4 26.1 39.1

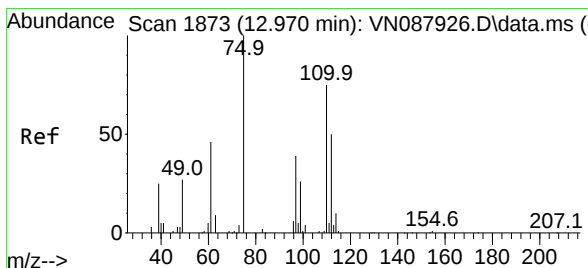
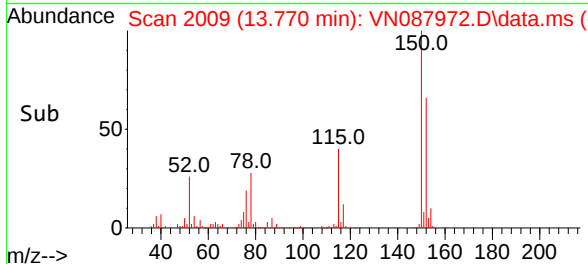
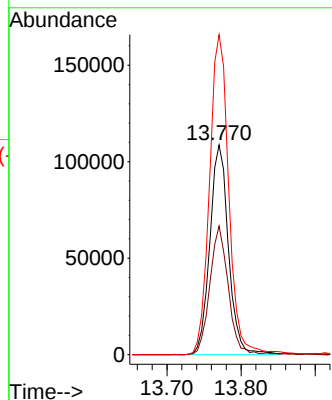
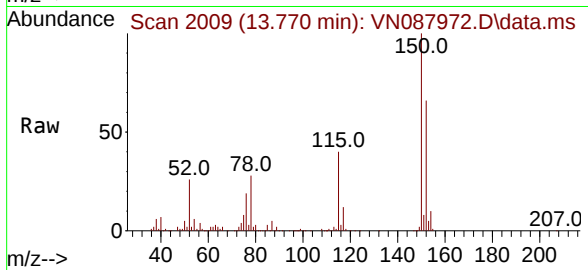




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. -0.000 min
 Lab File: VN087972.D
 Acq: 26 Sep 2025 17:13

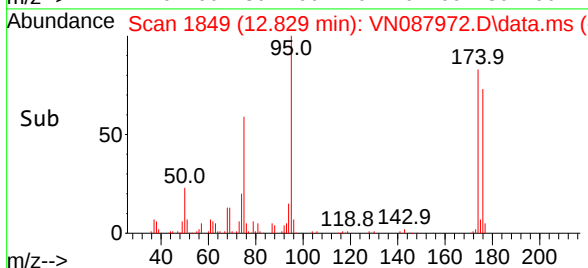
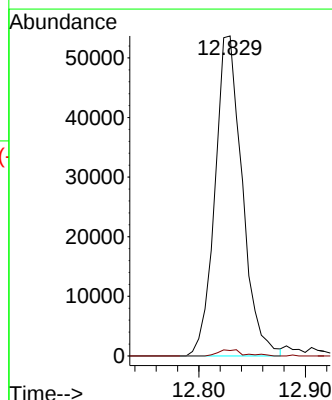
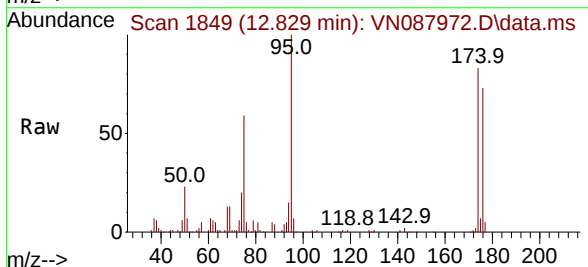
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

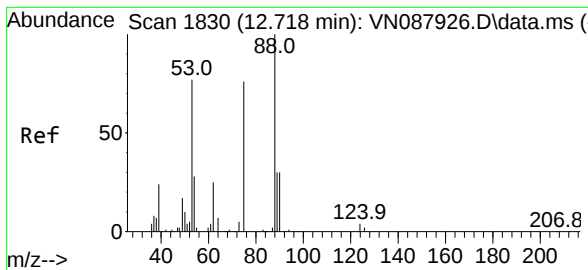
Tgt Ion:152 Resp: 190255
 Ion Ratio Lower Upper
 152 100
 115 60.2 29.9 89.7
 150 157.8 0.0 335.0



#76
 1,2,3-Trichloropropane
 Concen: 25.441 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087972.D
 Acq: 26 Sep 2025 17:13

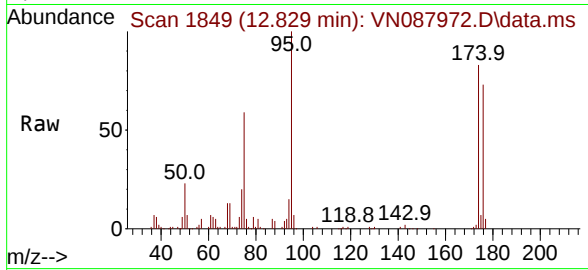
Tgt Ion: 75 Resp: 95412
 Ion Ratio Lower Upper
 75 100
 77 1.8 89.5 268.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.645 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087972.D
 Acq: 26 Sep 2025 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3



Tgt Ion: 75 Resp: 95412
 Ion Ratio Lower Upper
 75 100
 53 0.3 82.0 123.0#
 89 0.5 36.1 54.1#

