

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088430.D
 Acq On : 03 Dec 2025 15:35
 Operator : JC\MD
 Sample : Q3750-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FENCE WC-2

Quant Time: Dec 04 00:20:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

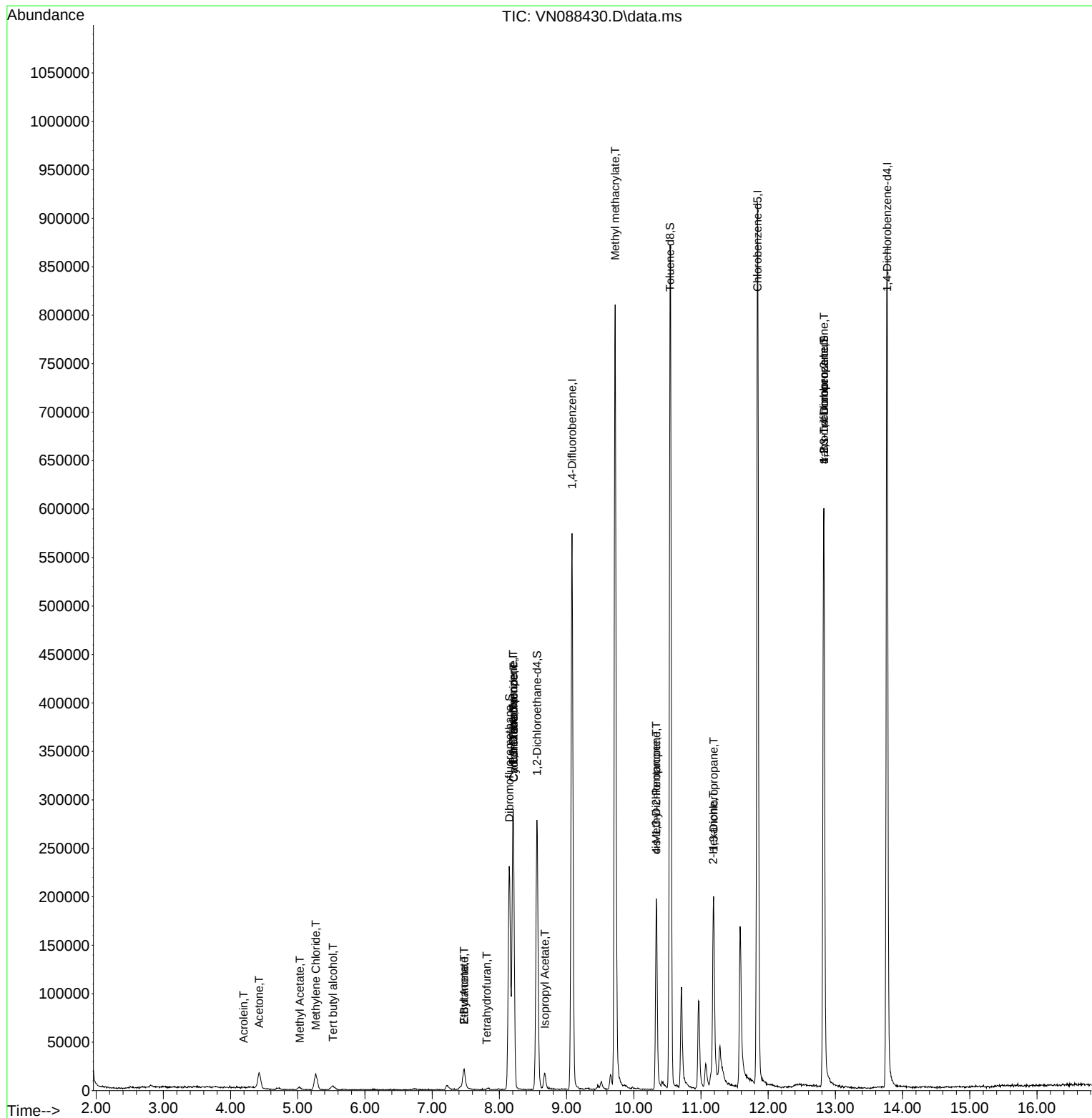
Internal Standards						
1) Pentafluorobenzene	8.206	168	191162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	447334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	477758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	223026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	233732	64.906	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 129.820%#			
35) Dibromofluoromethane	8.147	113	162894	52.546	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.100%			
50) Toluene-d8	10.541	98	584955	50.714	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.829	95	214794	54.273	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.540%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	6757	11.753	ug/l #	90
13) Acrolein	4.195	56	125	0.227	ug/l #	14
16) Acetone	4.424	43	34000	26.107	ug/l	97
18) Methyl Acetate	5.030	43	5324	1.373	ug/l #	73
20) Methylene Chloride	5.271	84	10785	3.871	ug/l #	91
25) 2-Butanone	7.477	43	37610	17.964	ug/l	90
29) Tetrahydrofuran	7.812	42	763	0.508	ug/l #	46
31) Cyclohexane	8.212	56	5923	1.251	ug/l #	41
36) 1,1-Dichloropropene	8.206	75	20178	4.218	ug/l #	45
37) Ethyl Acetate	7.477	43	37610	5.979	ug/l #	72
38) Carbon Tetrachloride	8.212	117	22266	4.675	ug/l #	15
43) Isopropyl Acetate	8.677	43	20537	2.137	ug/l #	91
48) Methyl methacrylate	9.724	41	85701	19.542	ug/l #	48
51) 4-Methyl-2-Pentanone	10.335	43	82901	14.633	ug/l #	49
54) cis-1,3-Dichloropropene	10.335	75	32767	5.794	ug/l #	72
57) 1,3-Dichloropropane	11.188	76	1963	0.347	ug/l #	49
59) 2-Hexanone	11.182	43	56171	15.739	ug/l #	59
76) 1,2,3-Trichloropropane	12.829	75	127639	24.435	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	127639	69.320	ug/l #	1

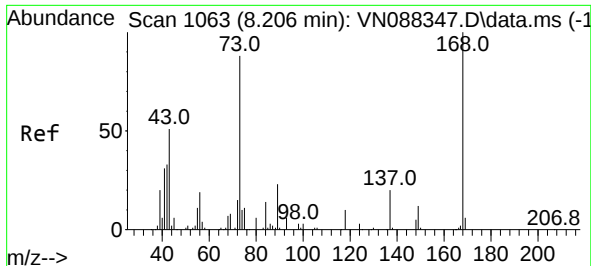
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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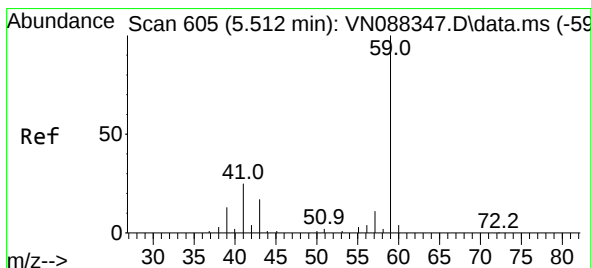
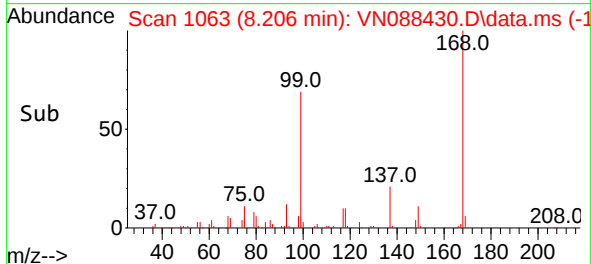
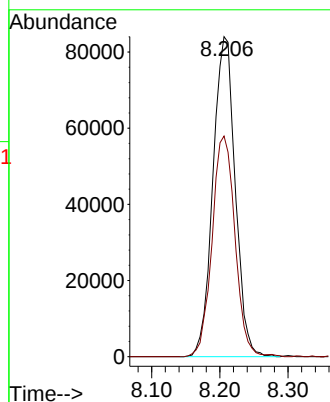
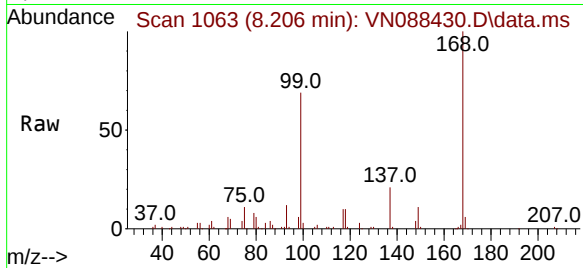




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

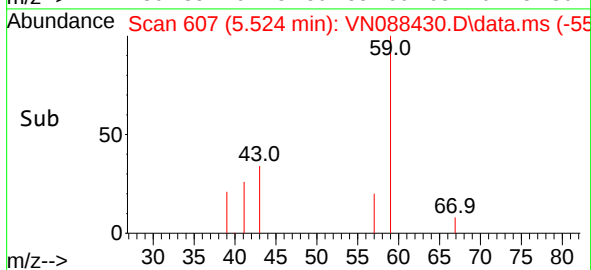
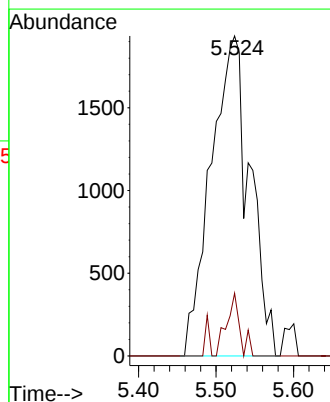
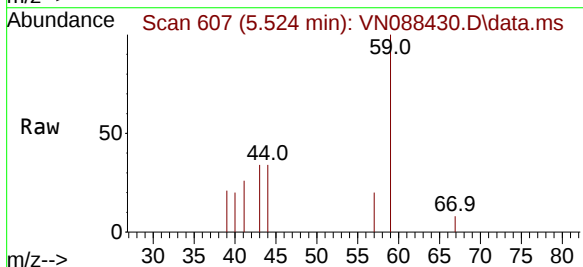
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

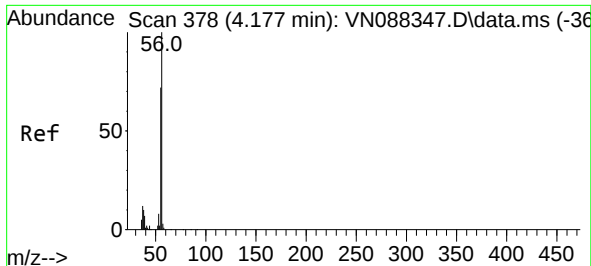
Tgt Ion:168 Resp: 191162
Ion Ratio Lower Upper
168 100
99 68.9 57.1 85.7



#11
Tert butyl alcohol
Concen: 11.753 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

Tgt Ion: 59 Resp: 6757
Ion Ratio Lower Upper
59 100
57 6.8 8.5 12.7#

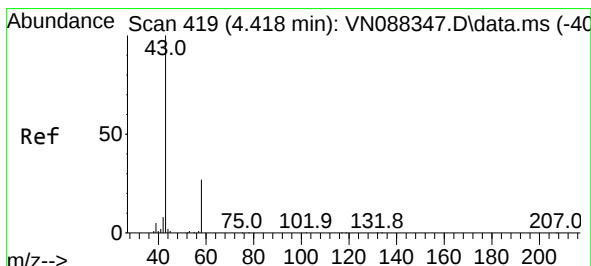
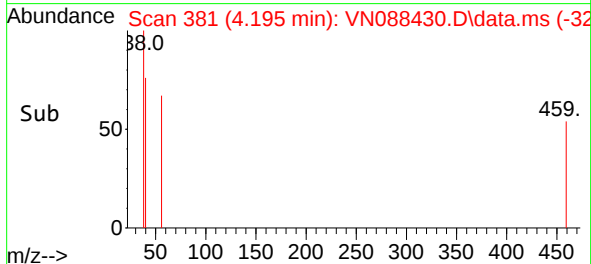
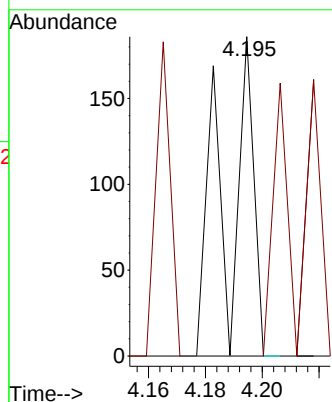
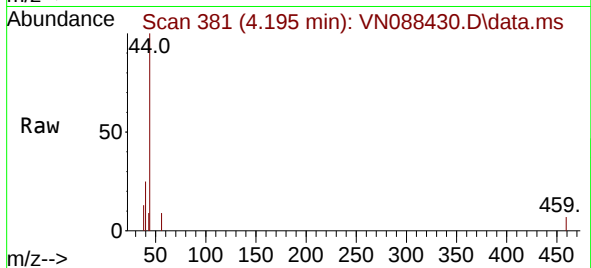




#13
Acrolein
Concen: 0.227 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

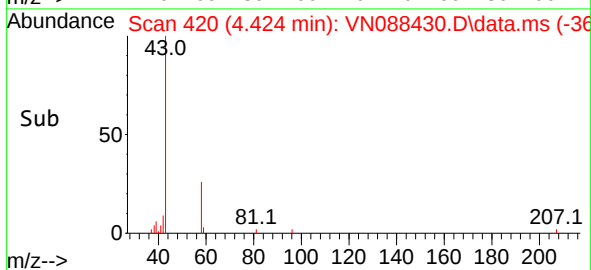
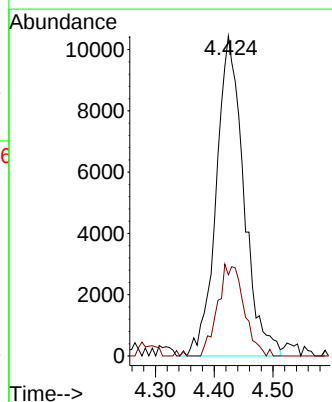
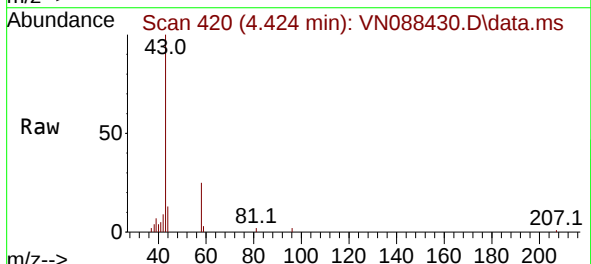
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

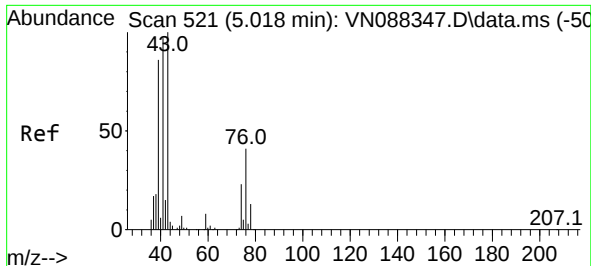
Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#



#16
Acetone
Concen: 26.107 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

Tgt Ion: 43 Resp: 34000
Ion Ratio Lower Upper
43 100
58 25.4 21.7 32.5

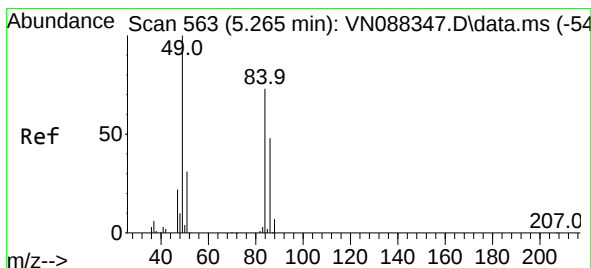
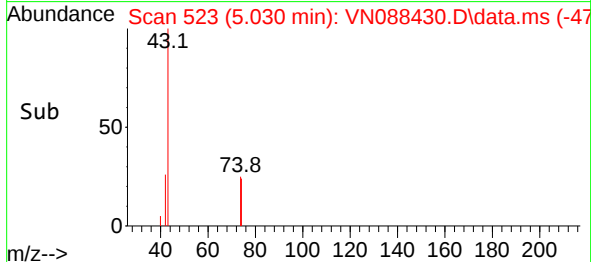
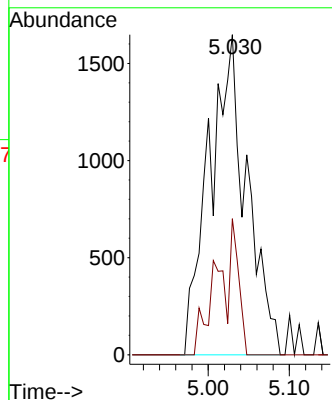
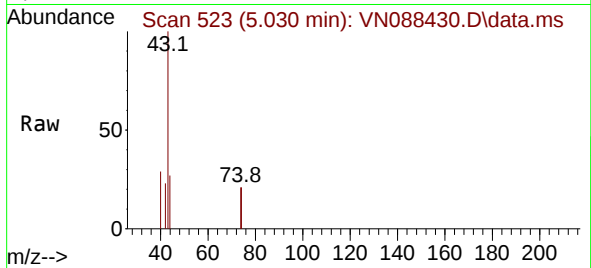




#18
Methyl Acetate
Concen: 1.373 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

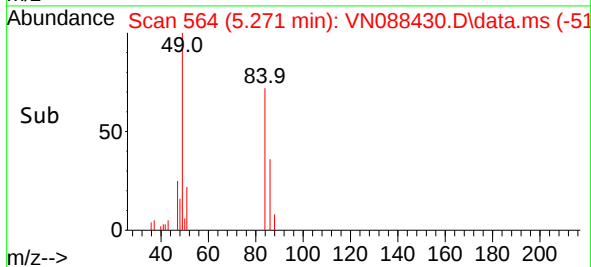
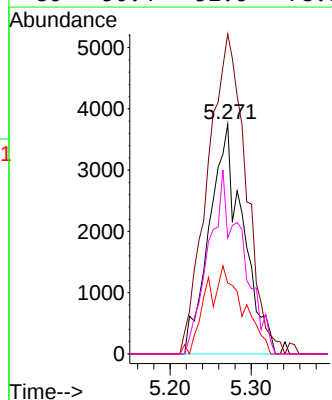
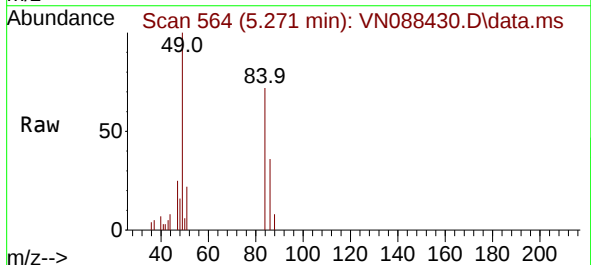
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

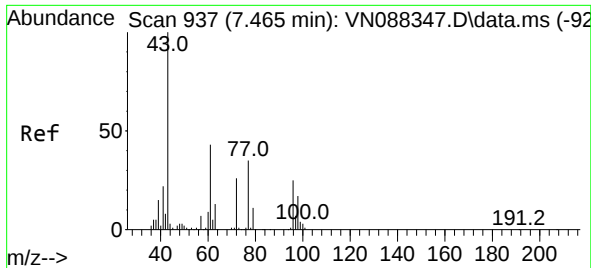
Tgt Ion: 43 Resp: 5324
Ion Ratio Lower Upper
43 100
74 9.4 17.9 26.9#



#20
Methylene Chloride
Concen: 3.871 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

Tgt Ion: 84 Resp: 10785
Ion Ratio Lower Upper
84 100
49 139.2 110.2 165.2
51 30.8 34.1 51.1#
86 50.4 52.6 78.8#

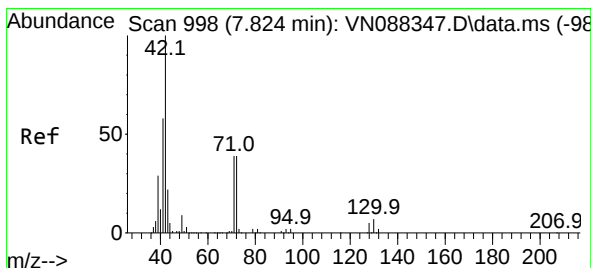
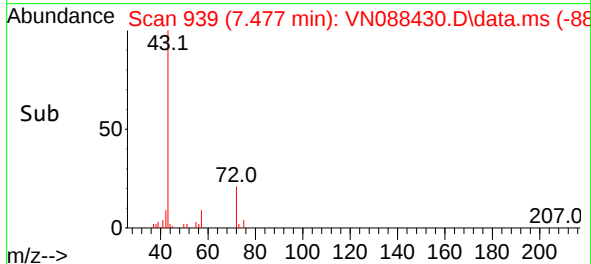
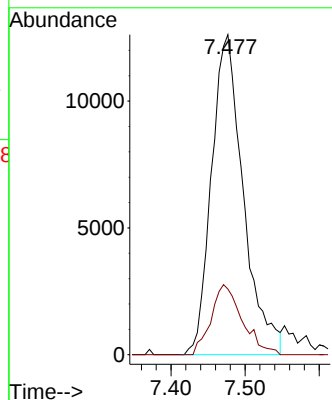
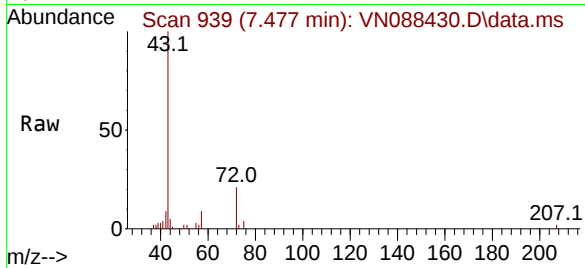




#25
2-Butanone
Concen: 17.964 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

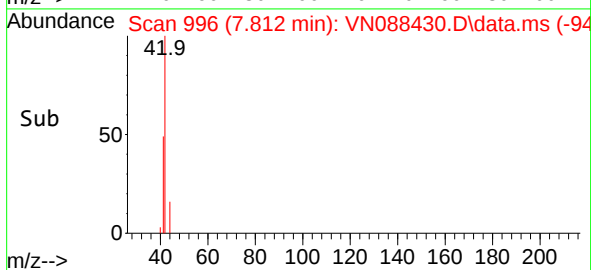
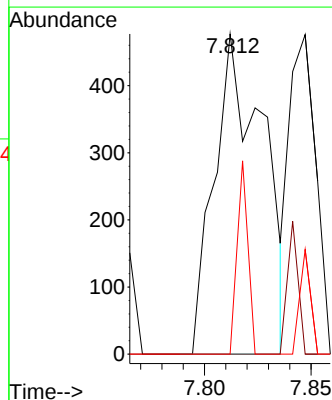
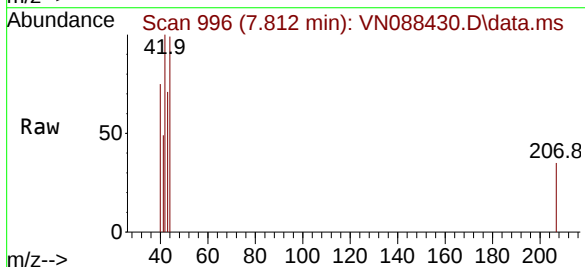
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

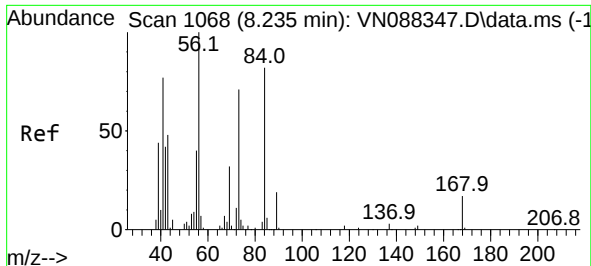
Tgt Ion: 43 Resp: 37610
Ion Ratio Lower Upper
43 100
72 20.5 20.5 30.7



#29
Tetrahydrofuran
Concen: 0.508 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

Tgt Ion: 42 Resp: 763
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.4#
71 13.4 31.1 46.7#

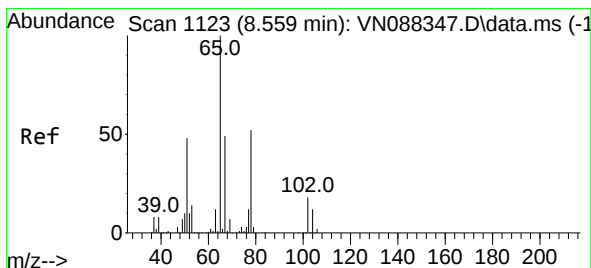
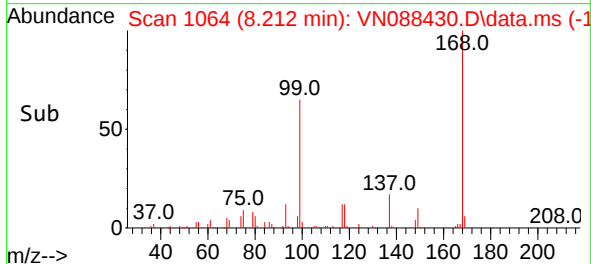
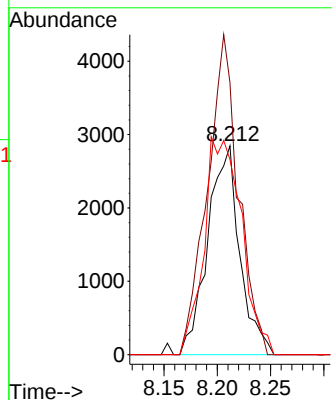
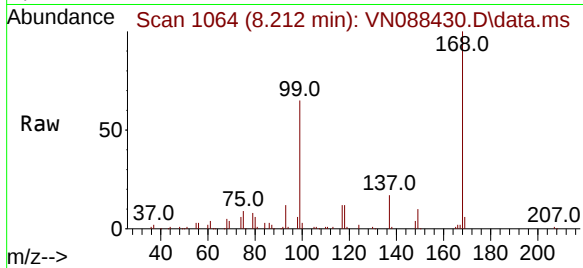




#31
Cyclohexane
Concen: 1.251 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.023 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

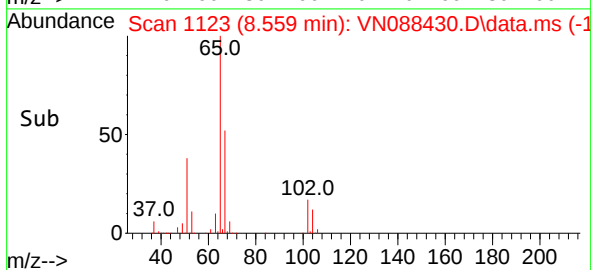
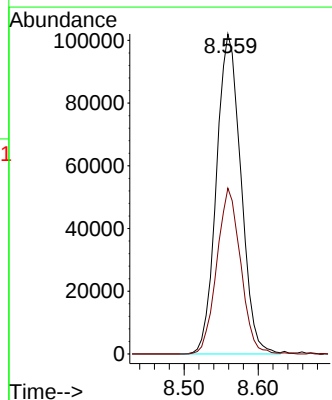
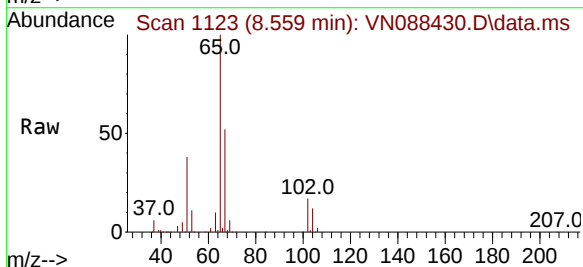
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

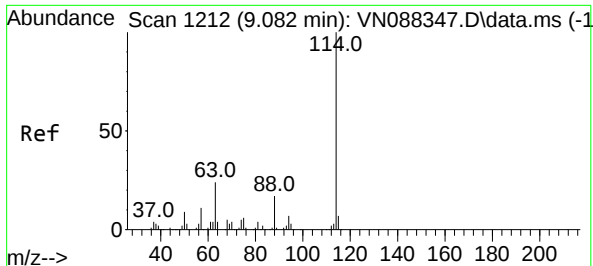
Tgt Ion: 56 Resp: 5923
Ion Ratio Lower Upper
56 100
69 130.3 25.3 37.9#
84 93.5 65.4 98.2



#33
1,2-Dichloroethane-d4
Concen: 64.906 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

Tgt Ion: 65 Resp: 233732
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN088430.D

Acq: 03 Dec 2025 15:35

Instrument :

MSVOA_N

ClientSampleId :

FENCE WC-2

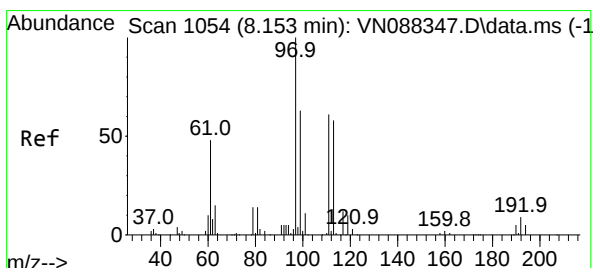
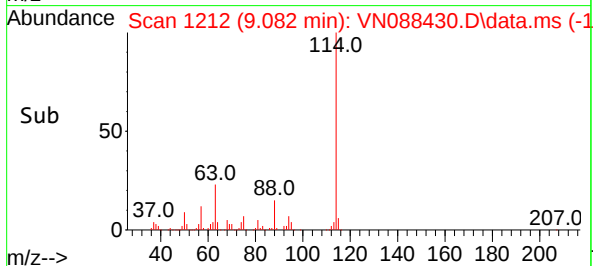
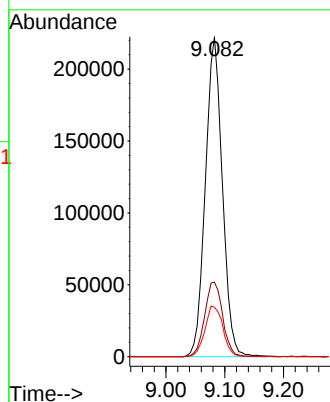
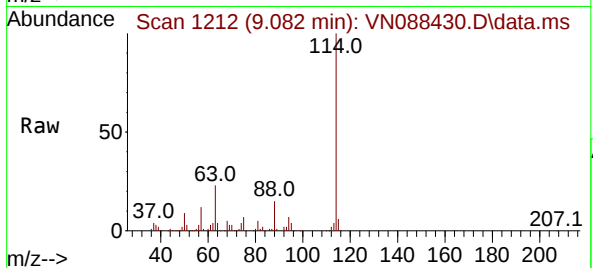
Tgt Ion:114 Resp: 447334

Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.0

88 15.5 0.0 34.0



#35

Dibromofluoromethane

Concen: 52.546 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088430.D

Acq: 03 Dec 2025 15:35

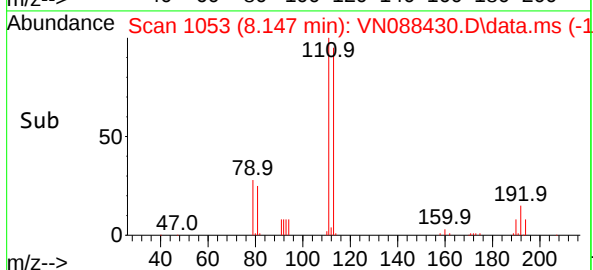
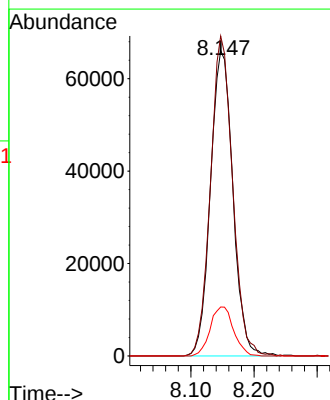
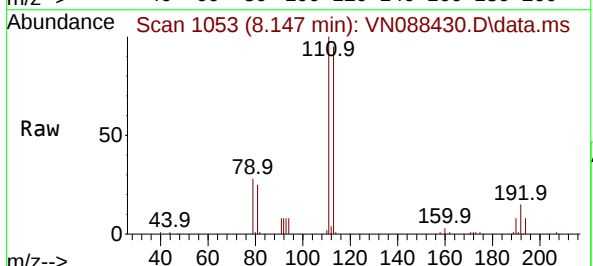
Tgt Ion:113 Resp: 162894

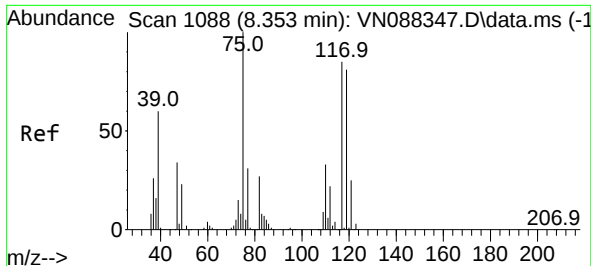
Ion Ratio Lower Upper

113 100

111 103.1 82.5 123.7

192 16.7 12.8 19.2

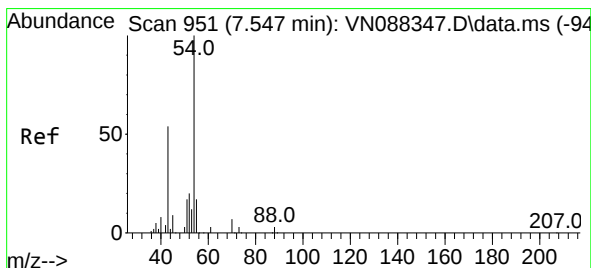
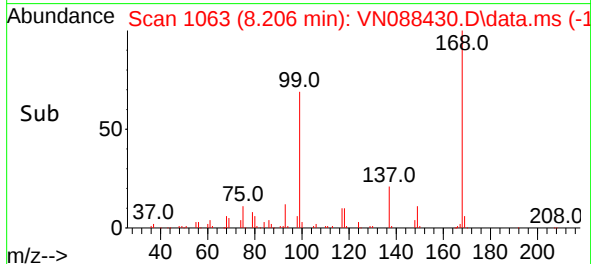
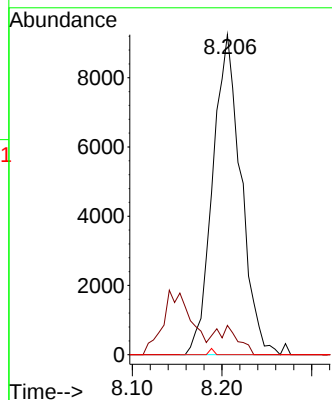
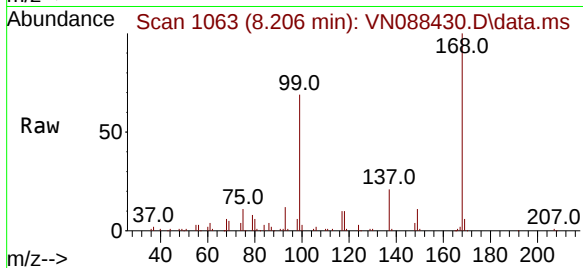




#36
1,1-Dichloropropene
Concen: 4.218 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

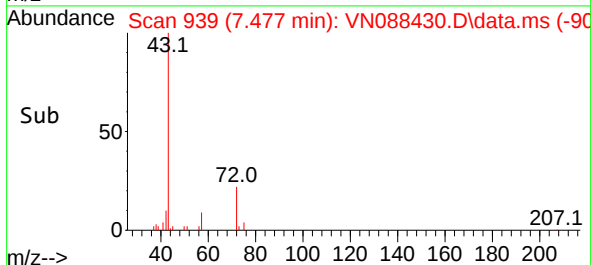
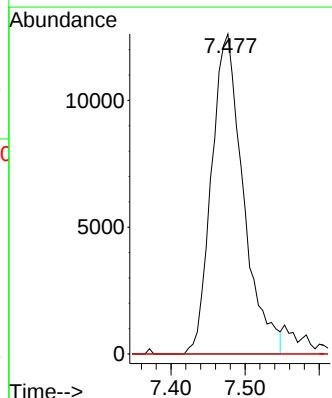
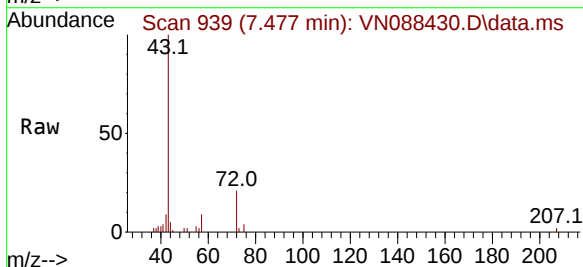
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

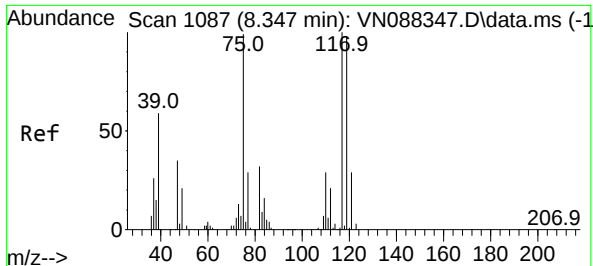
Tgt Ion: 75 Resp: 20178
Ion Ratio Lower Upper
75 100
110 1.3 15.8 47.4#
77 0.3 24.2 36.2#



#37
Ethyl Acetate
Concen: 5.979 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.070 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

Tgt Ion: 43 Resp: 37610
Ion Ratio Lower Upper
43 100
61 0.0 9.5 14.3#
70 0.0 7.1 10.7#

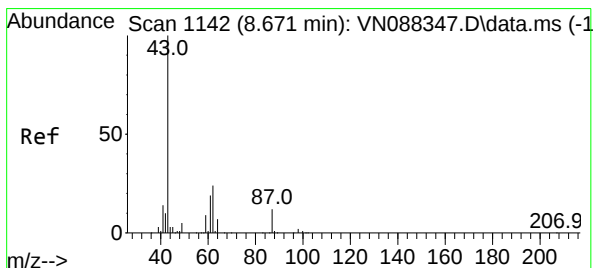
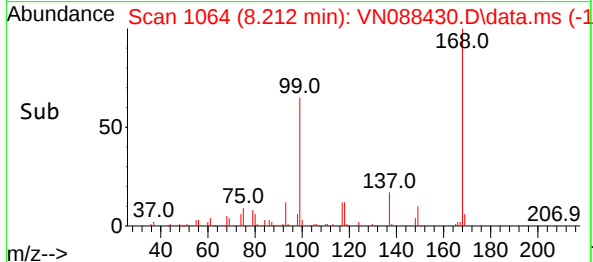
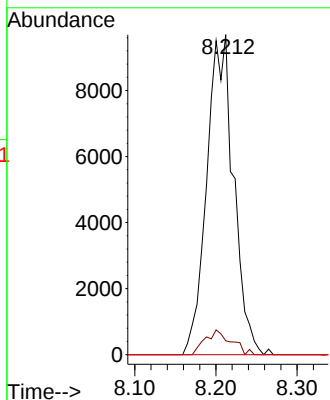
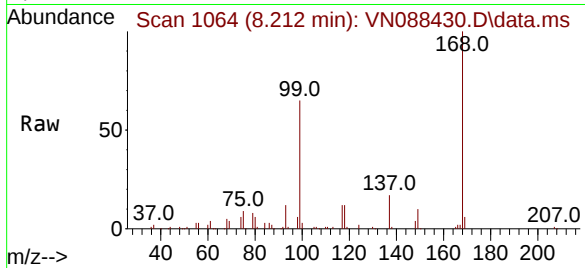




#38
Carbon Tetrachloride
Concen: 4.675 ug/l
RT: 8.212 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

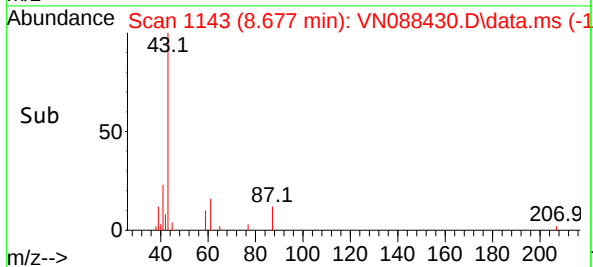
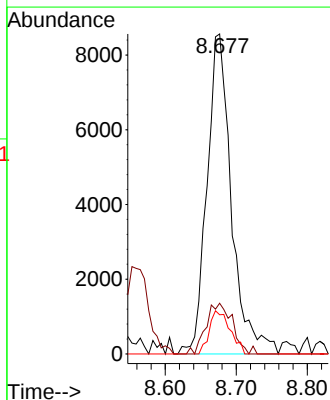
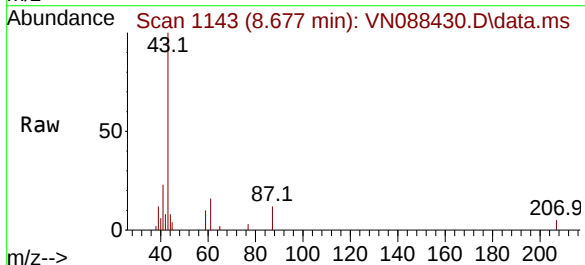
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

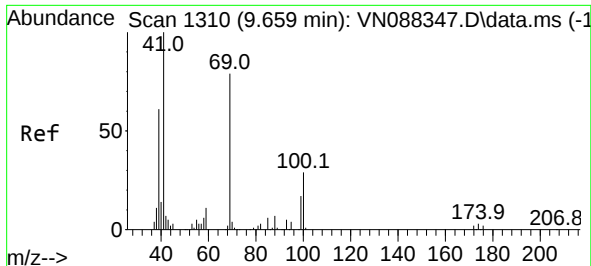
Tgt Ion:117 Resp: 22266
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.4#
121 0.0 23.4 35.2#



#43
Isopropyl Acetate
Concen: 2.137 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

Tgt Ion: 43 Resp: 20537
Ion Ratio Lower Upper
43 100
61 16.8 18.7 28.1#
87 11.4 9.1 13.7

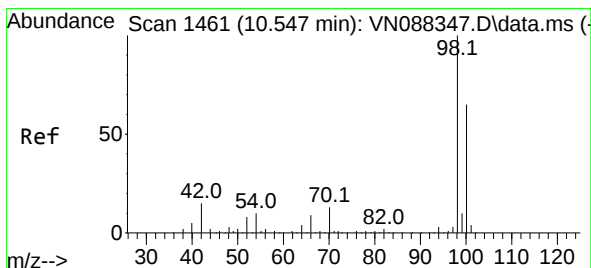
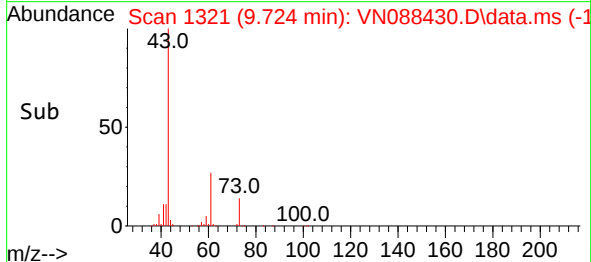
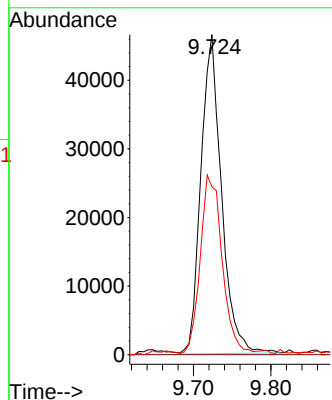
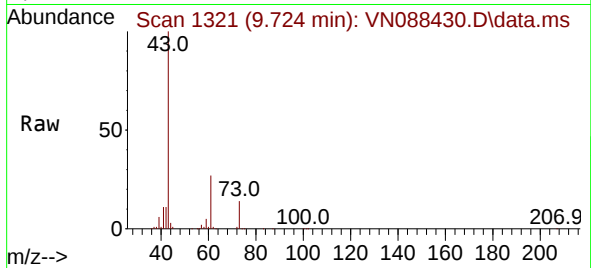




#48
Methyl methacrylate
Concen: 19.542 ug/l
RT: 9.724 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

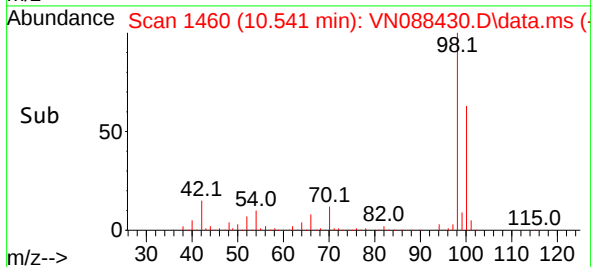
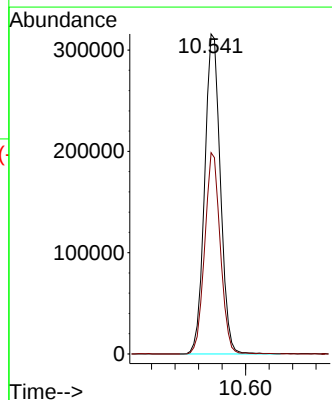
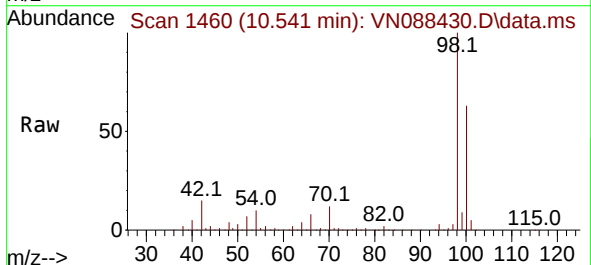
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

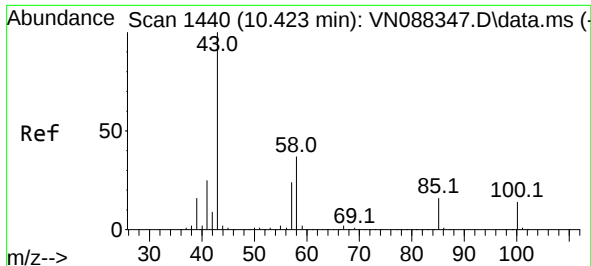
Tgt Ion: 41 Resp: 85701
Ion Ratio Lower Upper
41 100
69 0.0 62.4 93.6#
39 59.2 52.6 79.0



#50
Toluene-d8
Concen: 50.714 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

Tgt Ion: 98 Resp: 584955
Ion Ratio Lower Upper
98 100
100 62.2 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 14.633 ug/l

RT: 10.335 min Scan# 14

Delta R.T. -0.088 min

Lab File: VN088430.D

Acq: 03 Dec 2025 15:35

Instrument :

MSVOA_N

ClientSampleId :

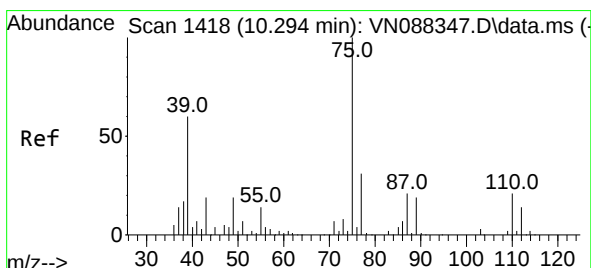
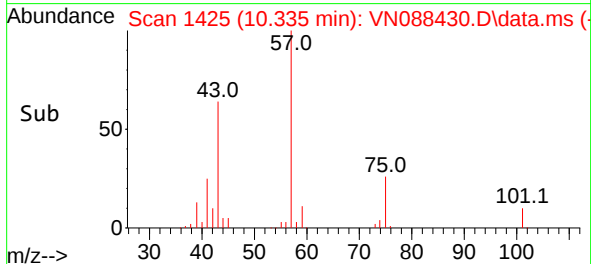
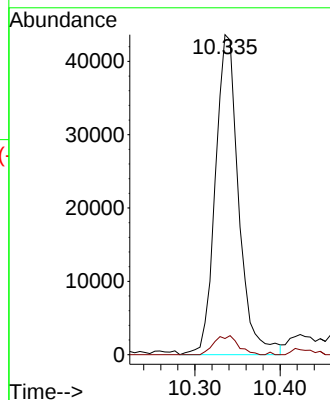
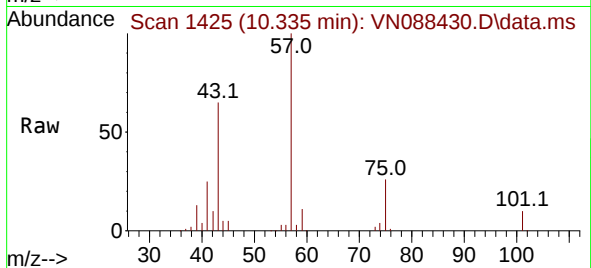
FENCE WC-2

Tgt Ion: 43 Resp: 82901

Ion Ratio Lower Upper

43 100

58 6.2 29.1 43.7#



#54

cis-1,3-Dichloropropene

Concen: 5.794 ug/l

RT: 10.335 min Scan# 1425

Delta R.T. 0.041 min

Lab File: VN088430.D

Acq: 03 Dec 2025 15:35

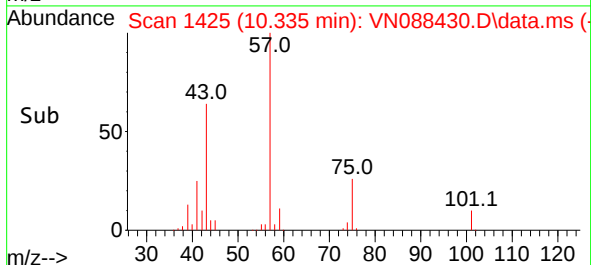
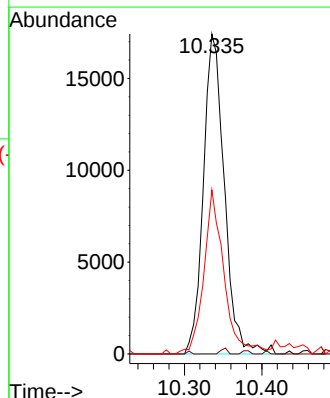
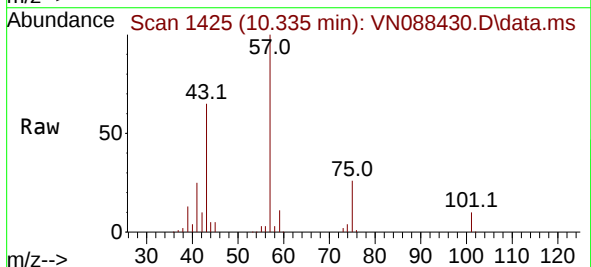
Tgt Ion: 75 Resp: 32767

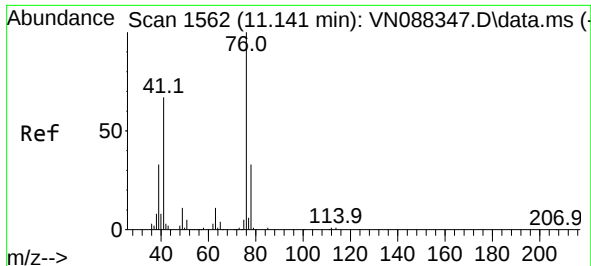
Ion Ratio Lower Upper

75 100

77 0.0 24.5 36.7#

39 50.4 48.3 72.5





#57

1,3-Dichloropropane

Concen: 0.347 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.047 min

Lab File: VN088430.D

Acq: 03 Dec 2025 15:35

Instrument :

MSVOA_N

ClientSampleId :

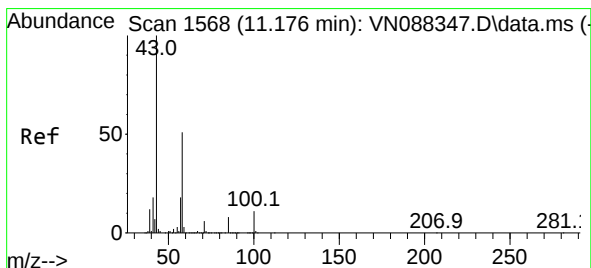
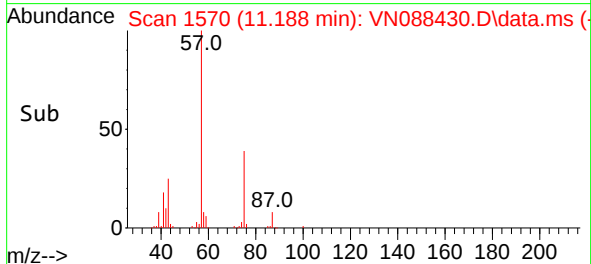
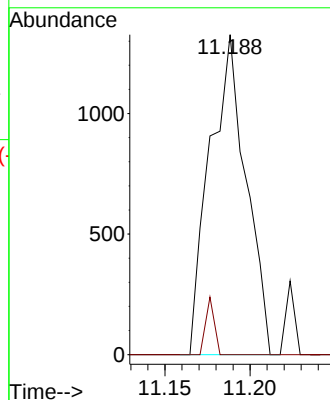
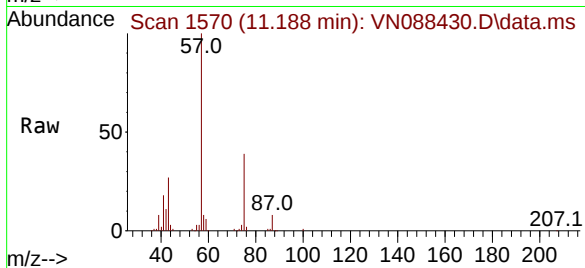
FENCE WC-2

Tgt Ion: 76 Resp: 1963

Ion Ratio Lower Upper

76 100

78 4.3 26.2 39.4#



#59

2-Hexanone

Concen: 15.739 ug/l

RT: 11.182 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VN088430.D

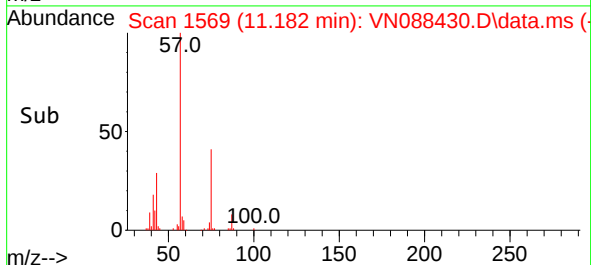
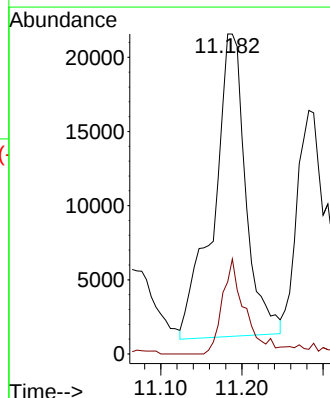
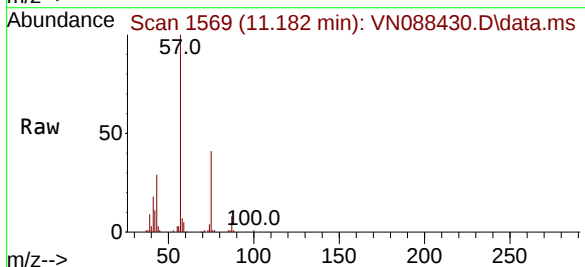
Acq: 03 Dec 2025 15:35

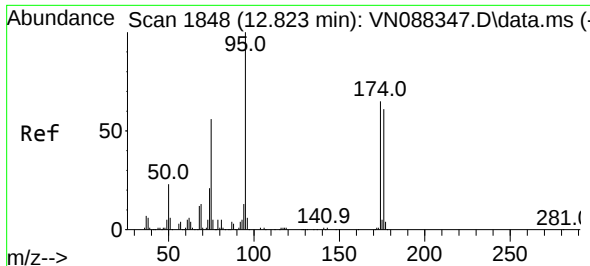
Tgt Ion: 43 Resp: 56171

Ion Ratio Lower Upper

43 100

58 22.3 25.3 75.9#

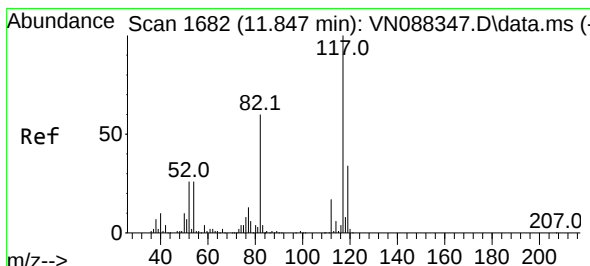
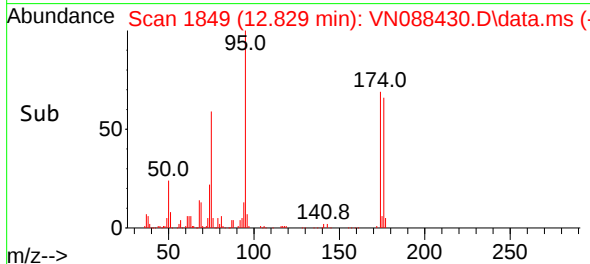
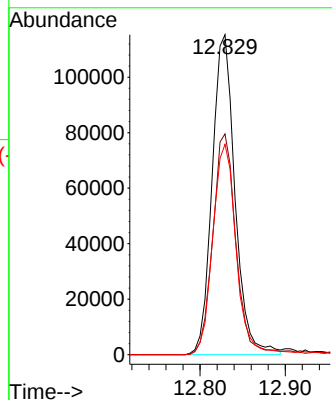
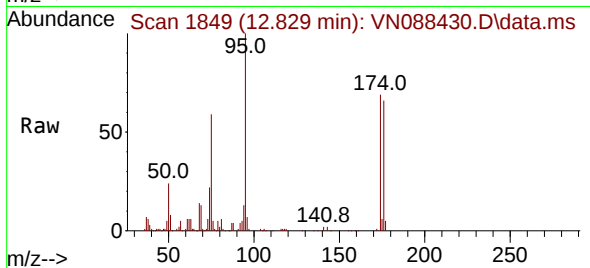




#62
4-Bromofluorobenzene
Concen: 54.273 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

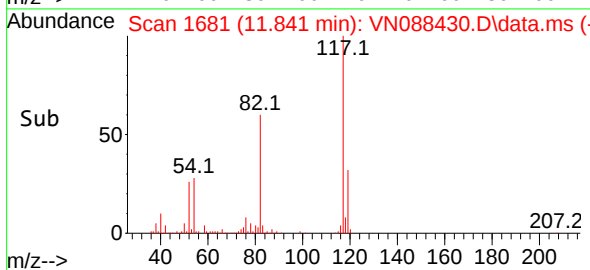
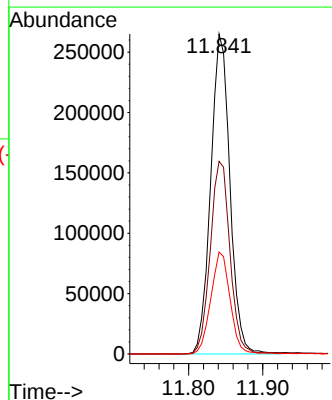
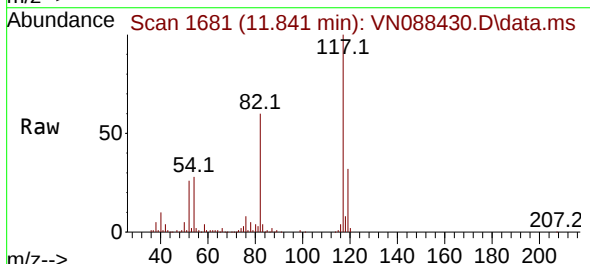
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

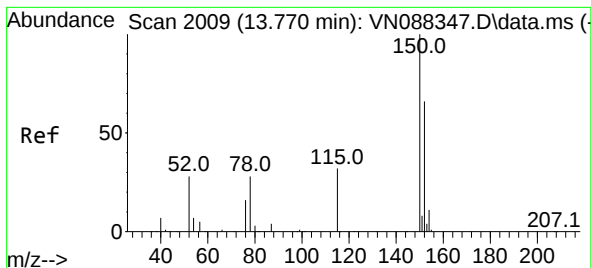
Tgt Ion: 95 Resp: 214794
Ion Ratio Lower Upper
95 100
174 70.1 0.0 139.0
176 67.7 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

Tgt Ion: 117 Resp: 477758
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 31.9 26.9 40.3

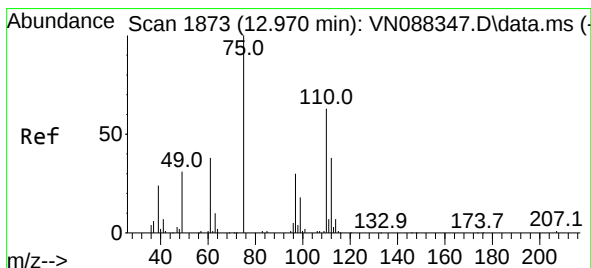
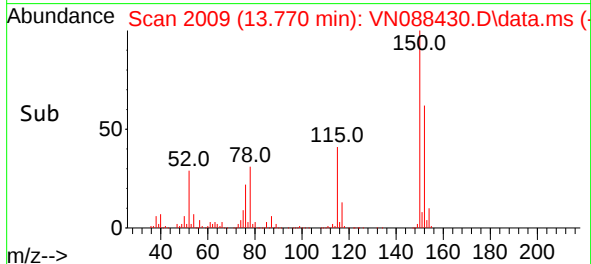
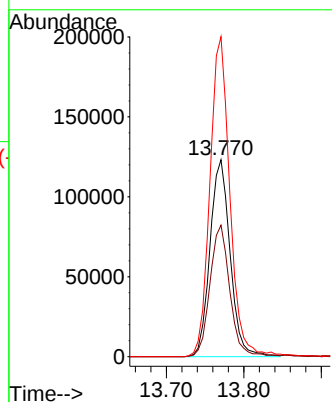
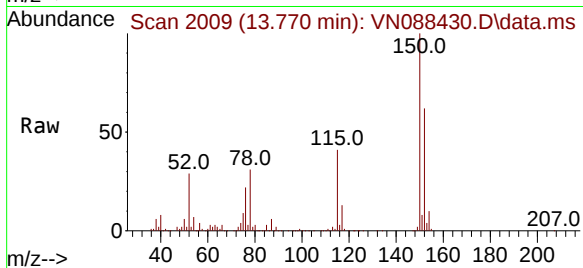




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

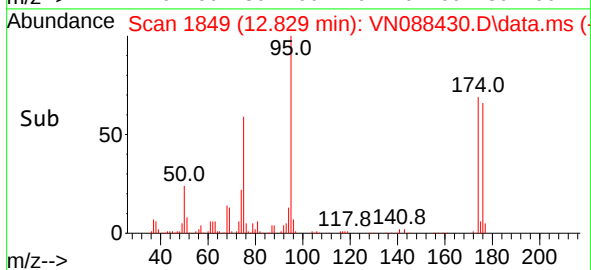
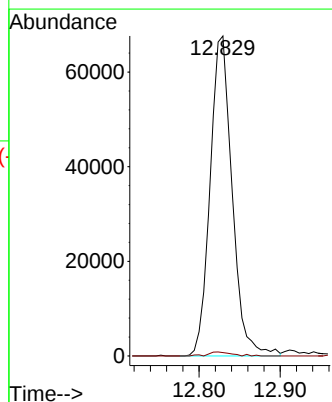
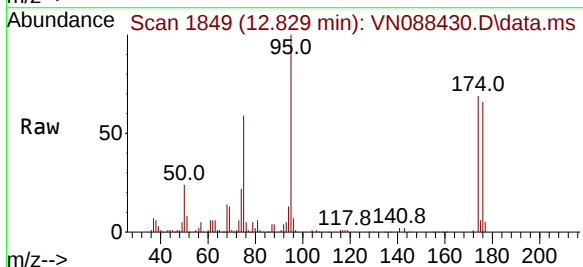
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

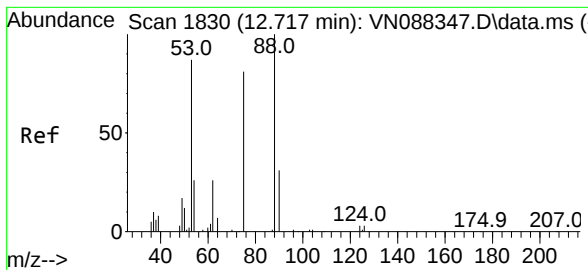
Tgt Ion:152 Resp: 223026
Ion Ratio Lower Upper
152 100
115 65.6 33.0 98.9
150 160.9 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 24.435 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088430.D
Acq: 03 Dec 2025 15:35

Tgt Ion: 75 Resp: 127639
Ion Ratio Lower Upper
75 100
77 1.2 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.320 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088430.D
 Acq: 03 Dec 2025 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 FENCE WC-2

Tgt Ion: 75 Resp: 127639
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.2 138.4#
 89 0.1 0.0 0.0#

