

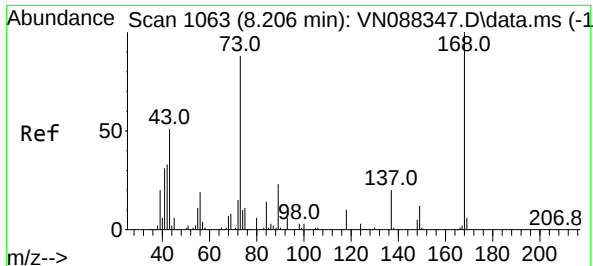
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088457.D
 Acq On : 04 Dec 2025 19:11
 Operator : JC\MD
 Sample : Q3750-08RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FENCE WC-2

Quant Time: Dec 05 00:20:38 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	192770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	440779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	450593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	202837	55.856	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	111.720%	
35) Dibromofluoromethane	8.147	113	141021	46.167	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	92.340%	
50) Toluene-d8	10.541	98	522758	45.996	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	92.000%	
62) 4-Bromofluorobenzene	12.829	95	202809	52.007	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	104.020%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.530	59	7893	13.614	ug/l #	88
16) Acetone	4.418	43	35405	26.959	ug/l	93
18) Methyl Acetate	5.024	43	5592	1.430	ug/l #	89
20) Methylene Chloride	5.277	84	12959	4.612	ug/l	86
25) 2-Butanone	7.471	43	42683	20.217	ug/l	95
29) Tetrahydrofuran	7.830	42	1203	0.794	ug/l #	54
31) Cyclohexane	8.206	56	5574	1.167	ug/l #	24
36) 1,1-Dichloropropene	8.200	75	20985	4.451	ug/l #	52
37) Ethyl Acetate	7.471	43	42683	6.886	ug/l #	72
38) Carbon Tetrachloride	8.200	117	23357	4.977	ug/l #	17
43) Isopropyl Acetate	8.682	43	22122	2.336	ug/l #	92
45) 1,2-Dichloropropane	9.724	63	1111	0.313	ug/l #	46
48) Methyl methacrylate	9.724	41	91580	21.193	ug/l #	48
49) 1,4-Dioxane	9.729	88	85	1.547	ug/l #	1
51) 4-Methyl-2-Pentanone	10.429	43	3278	0.587	ug/l #	74
54) cis-1,3-Dichloropropene	10.335	75	35560	6.382	ug/l #	68
56) Ethyl methacrylate	10.959	69	1016	0.208	ug/l #	1
57) 1,3-Dichloropropane	11.188	76	2379	0.427	ug/l #	42
59) 2-Hexanone	11.188	43	48884	13.901	ug/l	70
76) 1,2,3-Trichloropropane	12.823	75	119975	24.223	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	119975	68.720	ug/l #	1

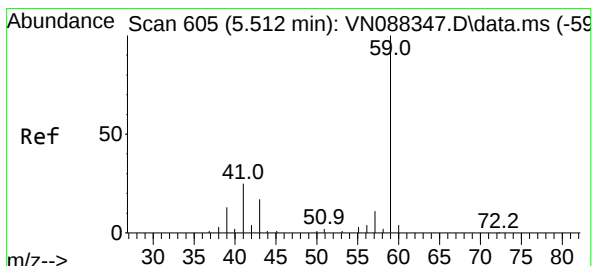
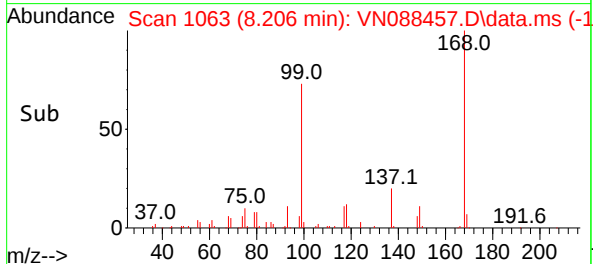
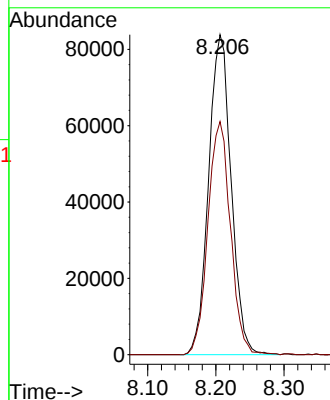
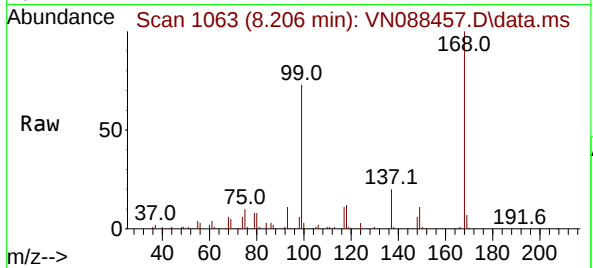
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

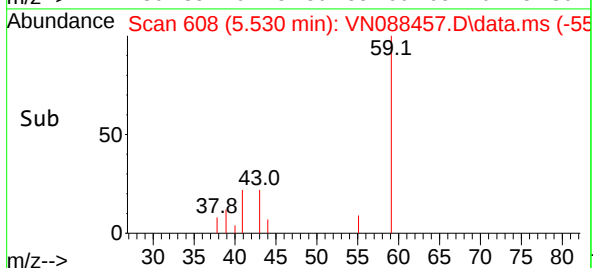
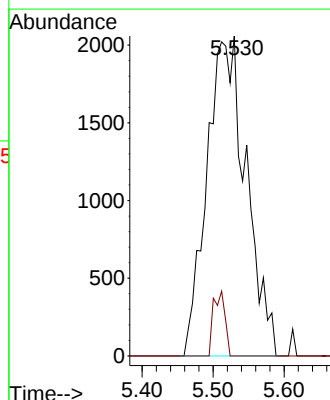
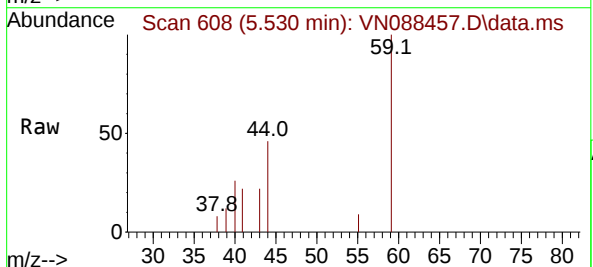
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MSVOA_N
ClientSampleId :
FENCE WC-2

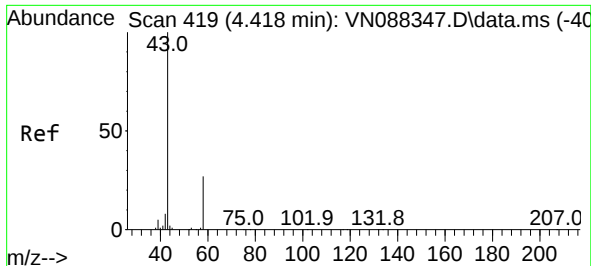
Tgt Ion:168 Resp: 192770
Ion Ratio Lower Upper
168 100
99 72.8 57.1 85.7



#11
Tert butyl alcohol
Concen: 13.614 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.018 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

Tgt Ion: 59 Resp: 7893
Ion Ratio Lower Upper
59 100
57 6.0 8.5 12.7#

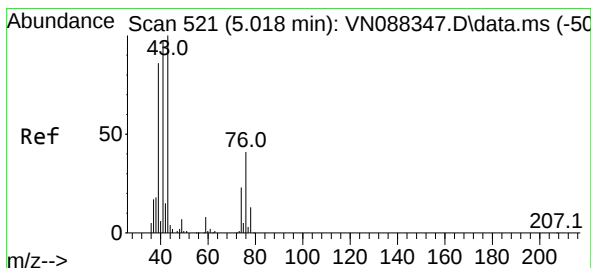
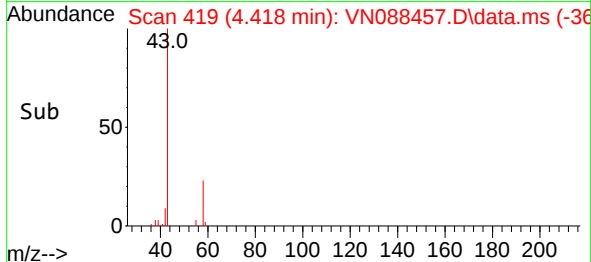
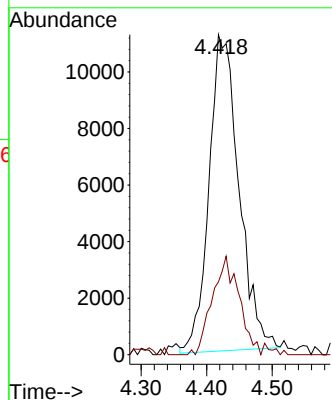
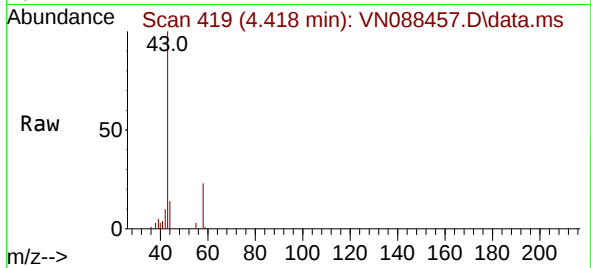




#16
Acetone
Concen: 26.959 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

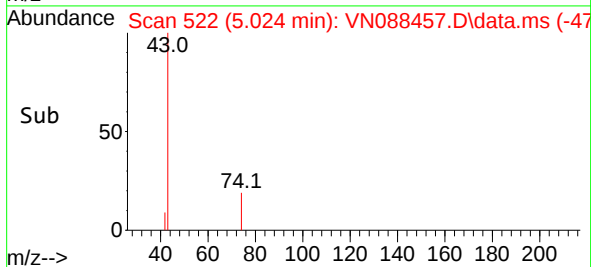
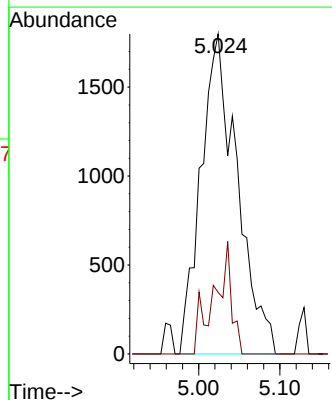
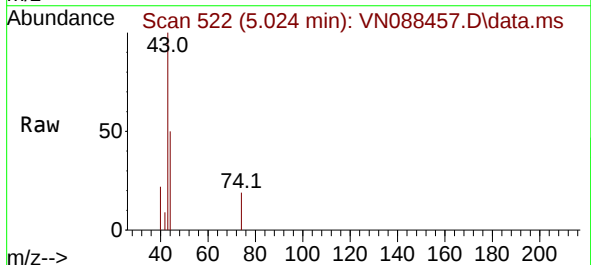
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MSVOA_N
ClientSampleId :
FENCE WC-2

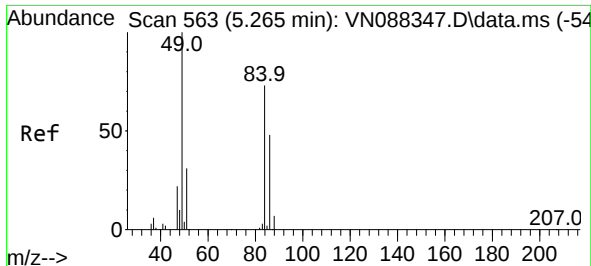
Tgt Ion: 43 Resp: 35405
Ion Ratio Lower Upper
43 100
58 23.3 21.7 32.5



#18
Methyl Acetate
Concen: 1.430 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

Tgt Ion: 43 Resp: 5592
Ion Ratio Lower Upper
43 100
74 17.1 17.9 26.9#

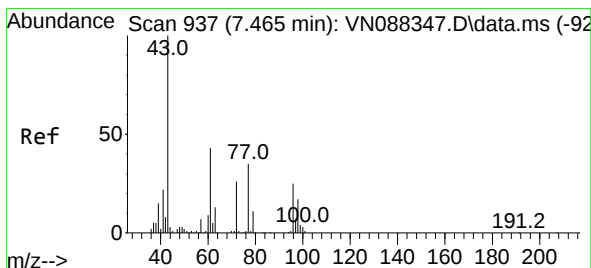
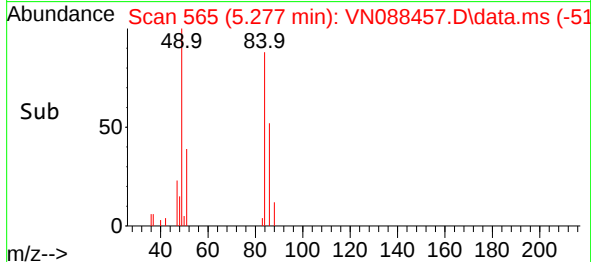
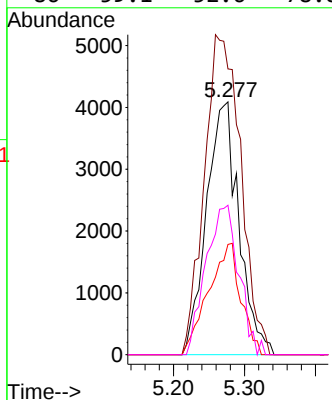
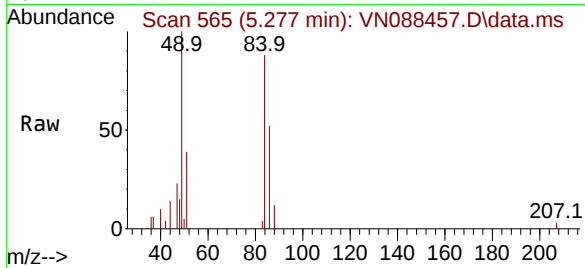




#20
Methylene Chloride
Concen: 4.612 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

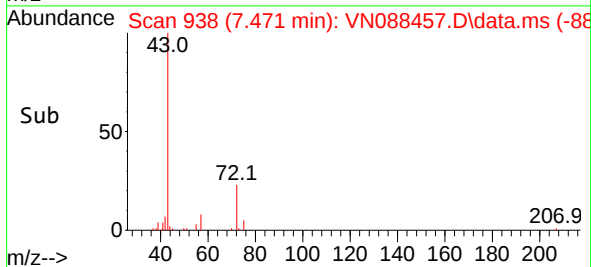
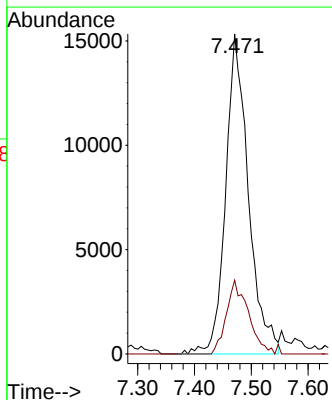
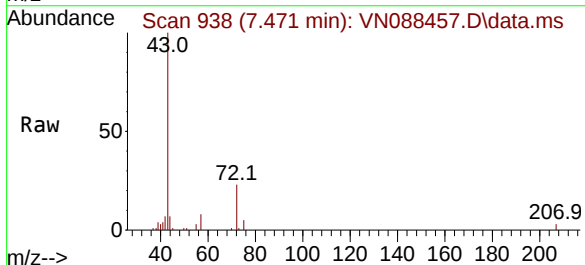
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

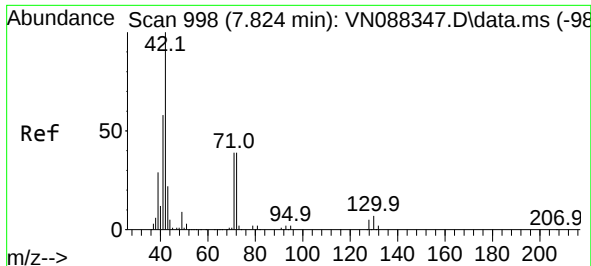
Tgt Ion:	84	Resp:	12959
Ion	Ratio	Lower	Upper
84	100		
49	113.0	110.2	165.2
51	43.6	34.1	51.1
86	59.1	52.6	78.8



#25
2-Butanone
Concen: 20.217 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

Tgt Ion:	43	Resp:	42683
Ion	Ratio	Lower	Upper
43	100		
72	23.0	20.5	30.7

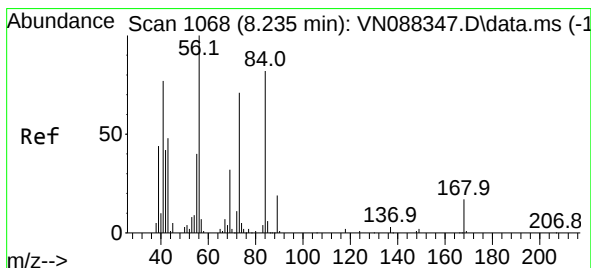
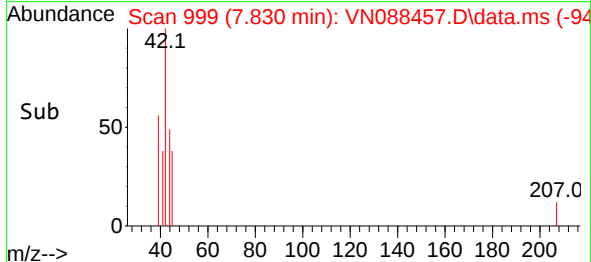
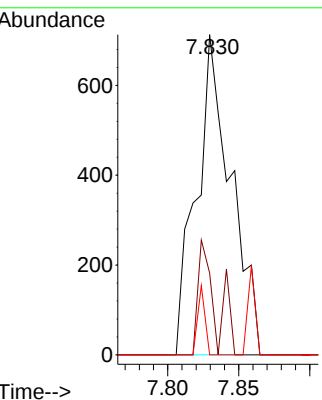
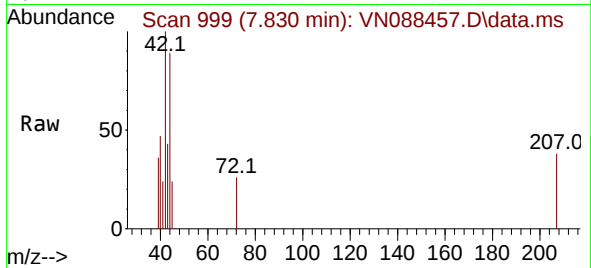




#29
Tetrahydrofuran
Concen: 0.794 ug/l
RT: 7.830 min Scan# 998
Delta R.T. 0.006 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

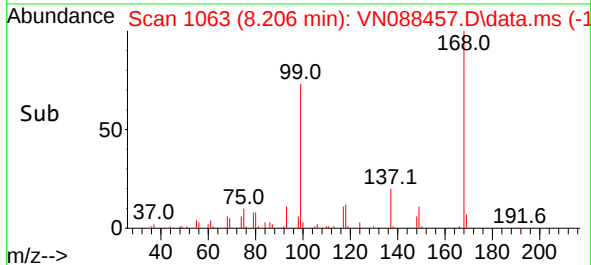
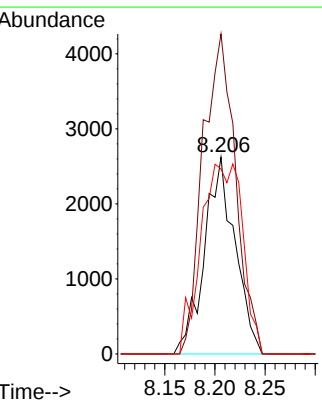
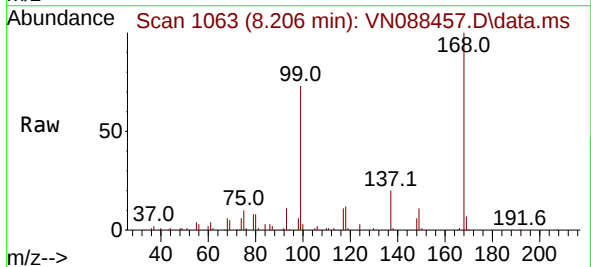
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

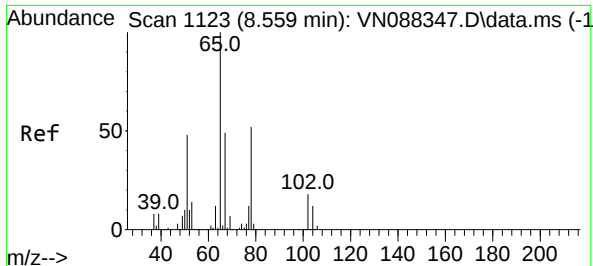
Tgt Ion:	42	Resp:	1203
Ion	Ratio	Lower	Upper
42	100		
72	18.5	32.2	48.4#
71	4.5	31.1	46.7#



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

Tgt Ion:	56	Resp:	5574
Ion	Ratio	Lower	Upper
56	100		
69	162.7	25.3	37.9#
84	94.1	65.4	98.2





#33

1,2-Dichloroethane-d4

Concen: 55.856 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088457.D

Acq: 04 Dec 2025 19:11

Instrument :

MSVOA_N

ClientSampleId :

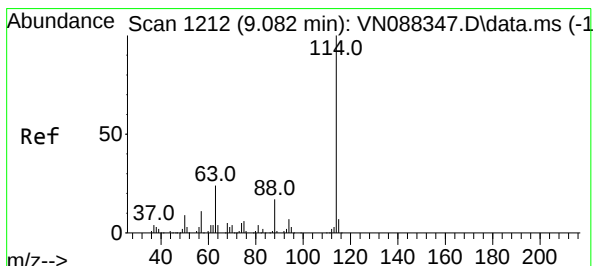
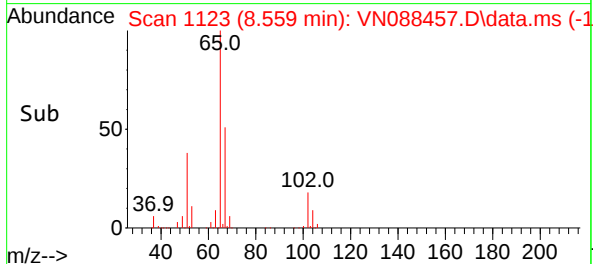
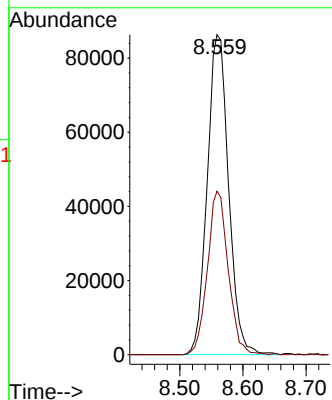
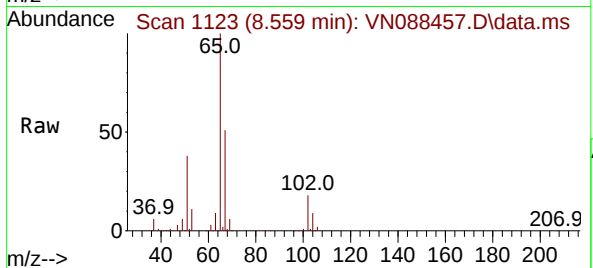
FENCE WC-2

Tgt Ion: 65 Resp: 202837

Ion Ratio Lower Upper

65 100

67 49.6 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088457.D

Acq: 04 Dec 2025 19:11

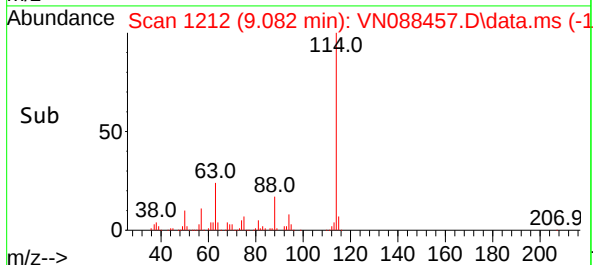
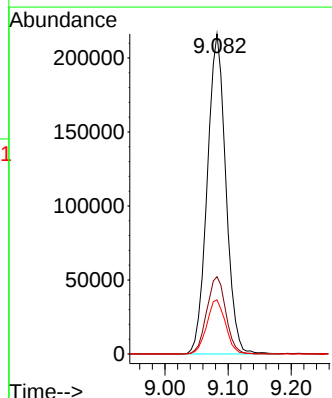
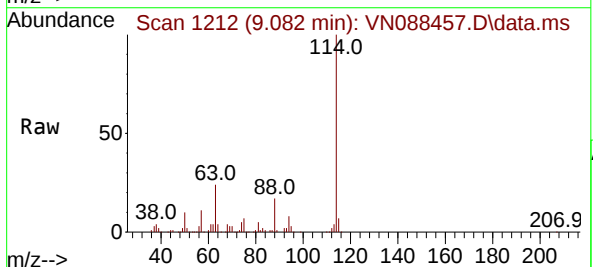
Tgt Ion: 114 Resp: 440779

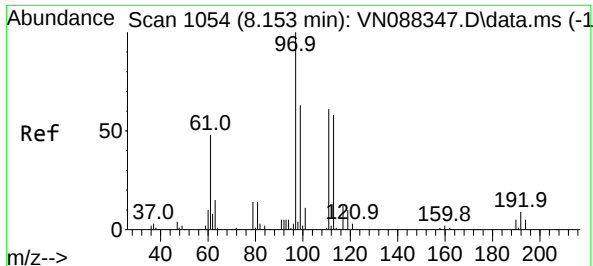
Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.0

88 16.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.167 ug/l

RT: 8.147 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088457.D

Acq: 04 Dec 2025 19:11

Instrument :

MSVOA_N

ClientSampleId :

FENCE WC-2

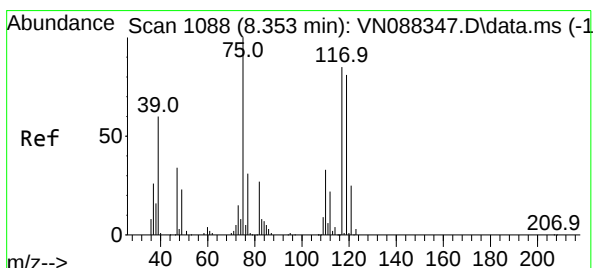
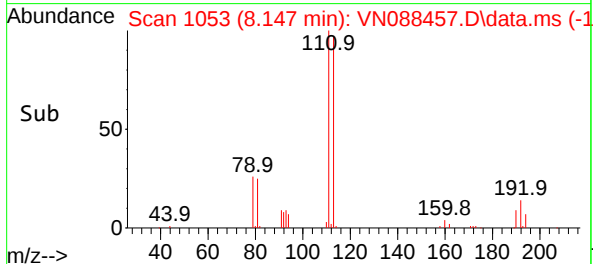
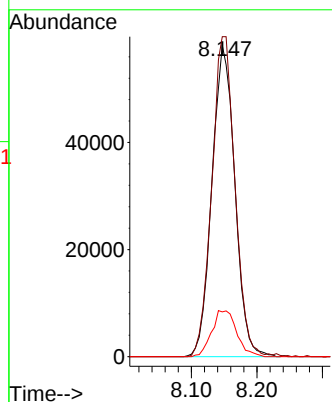
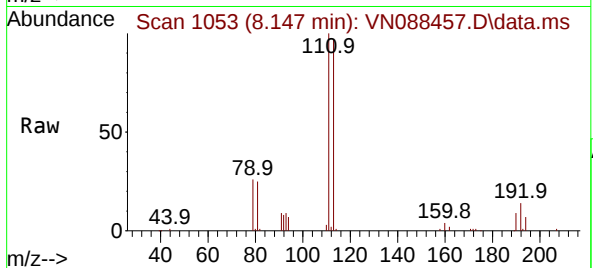
Tgt Ion:113 Resp: 141021

Ion Ratio Lower Upper

113 100

111 104.1 82.5 123.7

192 16.1 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.451 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088457.D

Acq: 04 Dec 2025 19:11

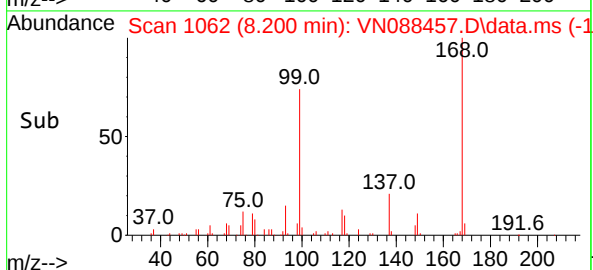
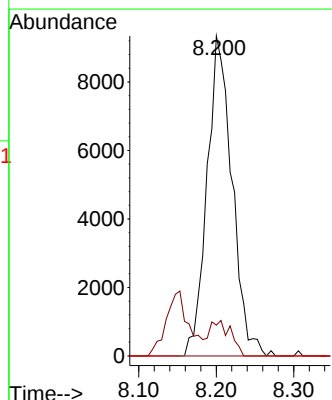
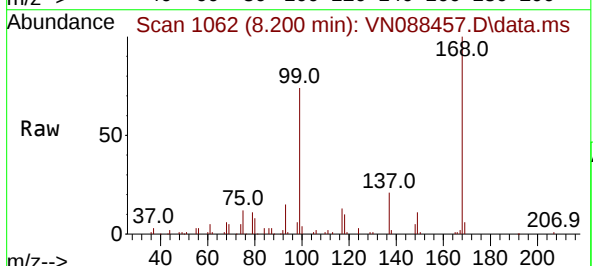
Tgt Ion: 75 Resp: 20985

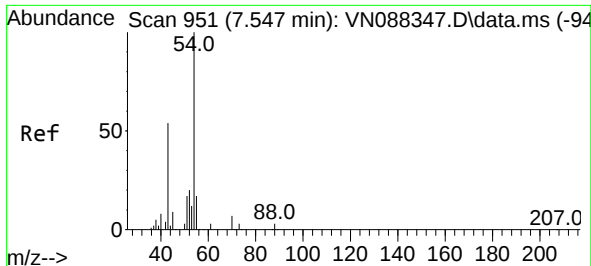
Ion Ratio Lower Upper

75 100

110 9.5 15.8 47.4#

77 0.0 24.2 36.2#

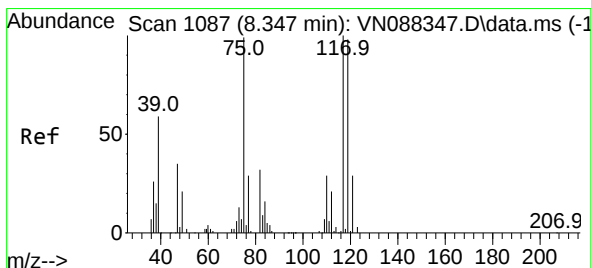
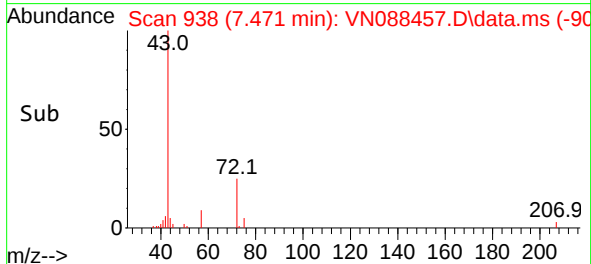
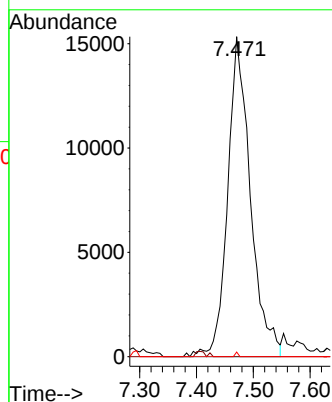
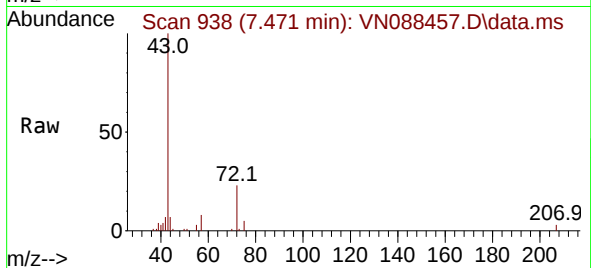




#37
Ethyl Acetate
Concen: 6.886 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.076 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

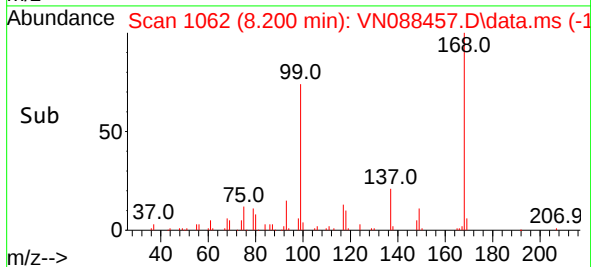
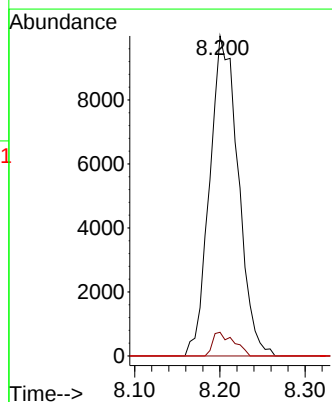
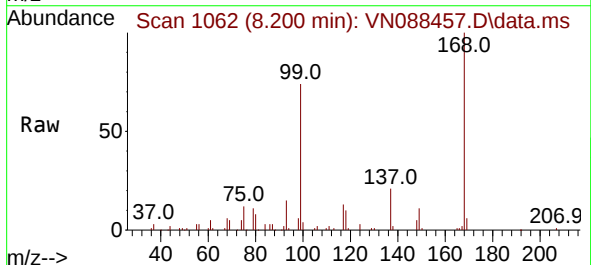
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MSVOA_N
ClientSampleId :
FENCE WC-2

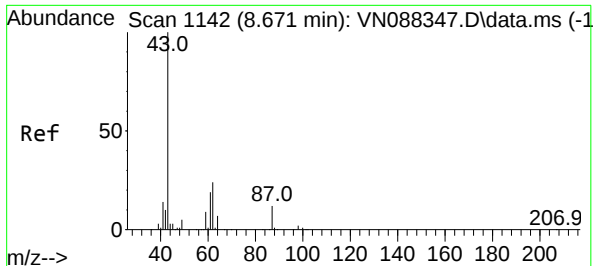
Tgt Ion: 43 Resp: 42683
Ion Ratio Lower Upper
43 100
61 0.0 9.5 14.3#
70 0.2 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.977 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.147 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

Tgt Ion: 117 Resp: 23357
Ion Ratio Lower Upper
117 100
119 7.4 78.2 117.4#
121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 2.336 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN088457.D

Acq: 04 Dec 2025 19:11

Instrument :

MSVOA_N

ClientSampleId :

FENCE WC-2

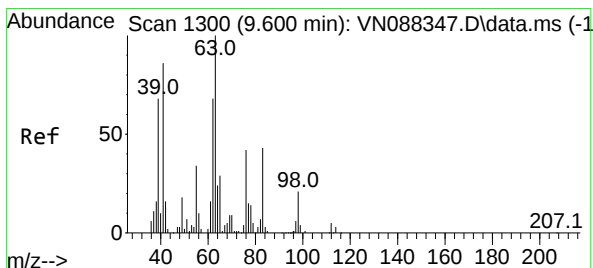
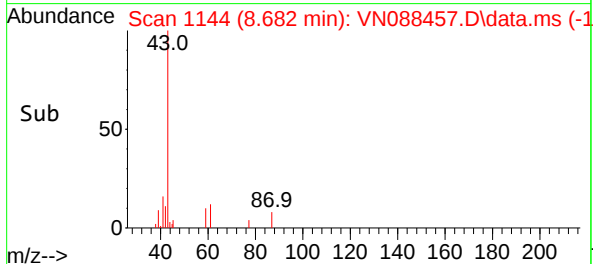
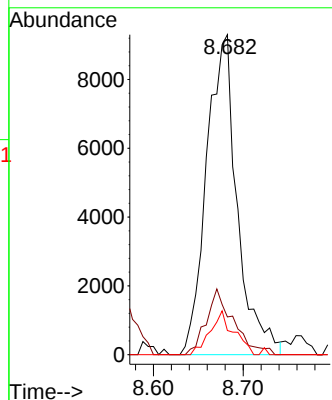
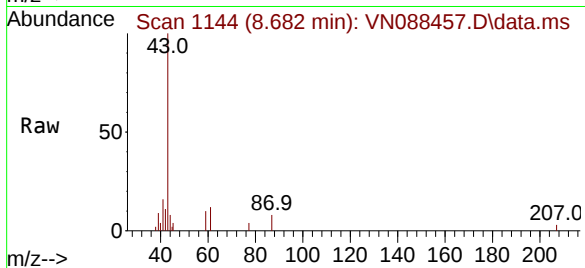
Tgt Ion: 43 Resp: 22122

Ion Ratio Lower Upper

43 100

61 18.4 18.7 28.1#

87 10.6 9.1 13.7



#45

1,2-Dichloropropane

Concen: 0.313 ug/l

RT: 9.724 min Scan# 1321

Delta R.T. 0.124 min

Lab File: VN088457.D

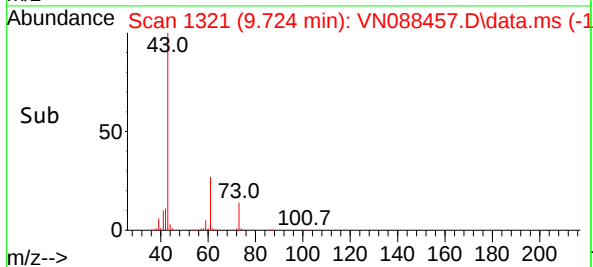
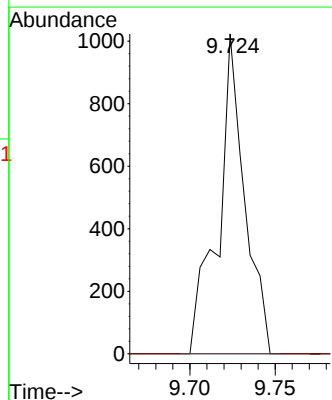
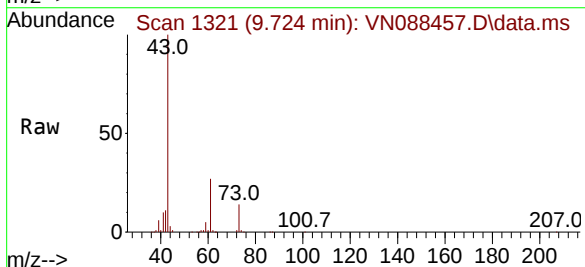
Acq: 04 Dec 2025 19:11

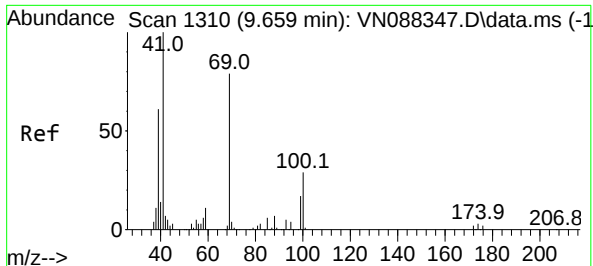
Tgt Ion: 63 Resp: 1111

Ion Ratio Lower Upper

63 100

65 0.0 23.0 34.4#

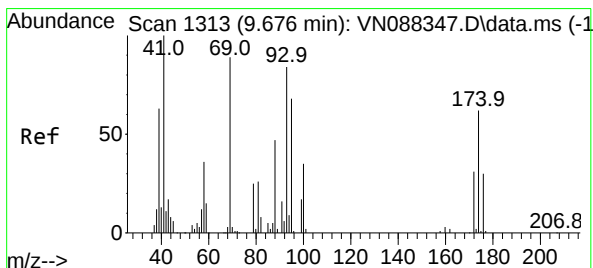
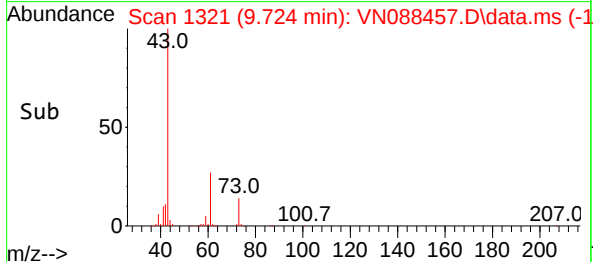
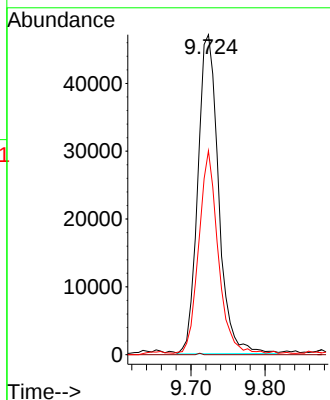
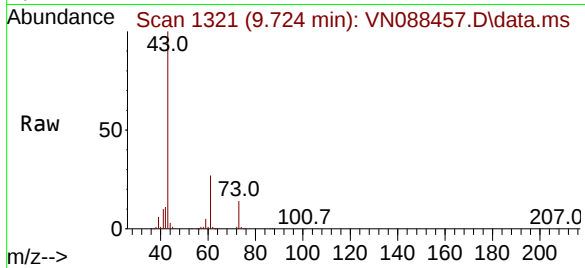




#48
Methyl methacrylate
Concen: 21.193 ug/l
RT: 9.724 min Scan# 1321
Delta R.T. 0.065 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

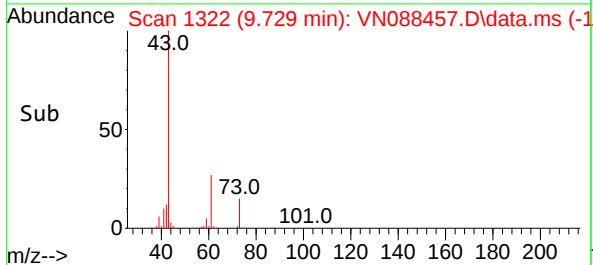
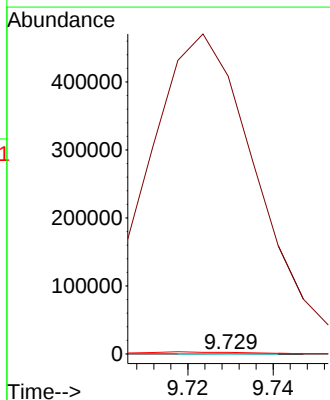
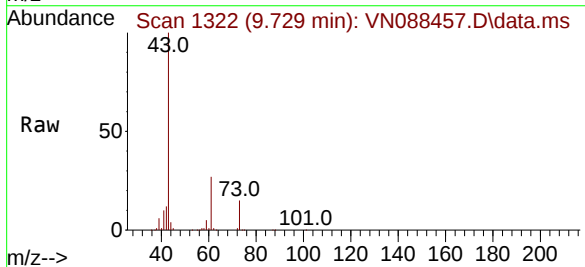
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

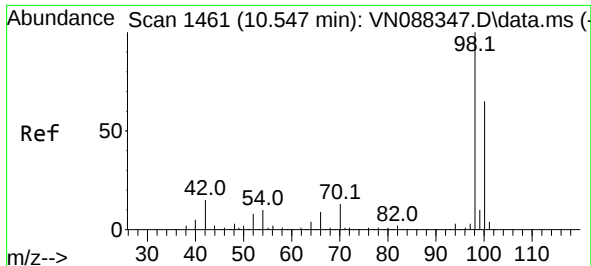
Tgt Ion: 41 Resp: 91580
Ion Ratio Lower Upper
41 100
69 0.1 62.4 93.6#
39 59.5 52.6 79.0



#49
1,4-Dioxane
Concen: 1.547 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.053 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 1052288.2 0.0 0.0#
58 6731.8 62.0 93.0#

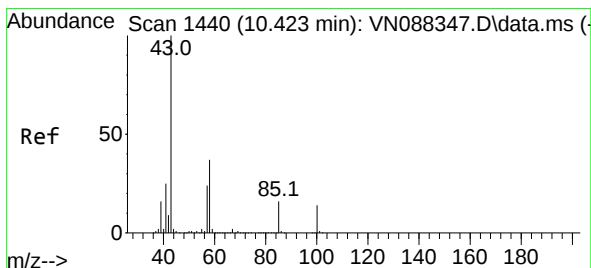
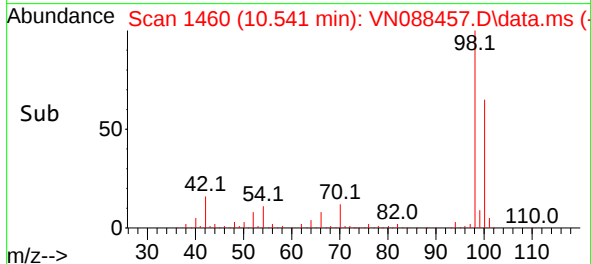
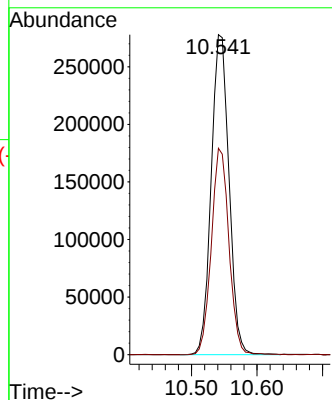
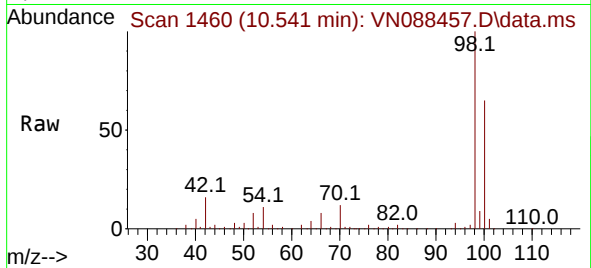




#50
Toluene-d8
Concen: 45.996 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

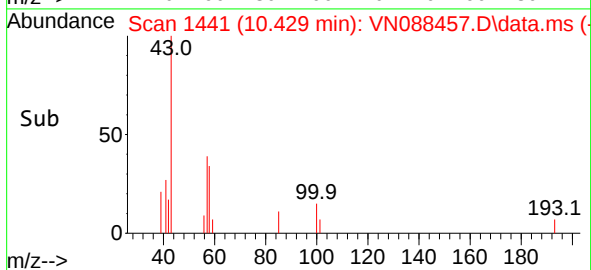
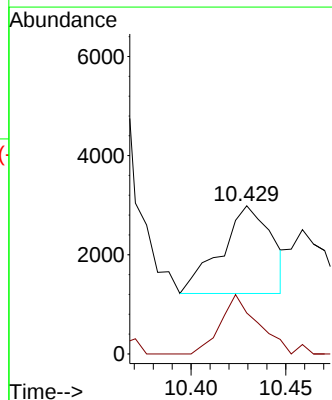
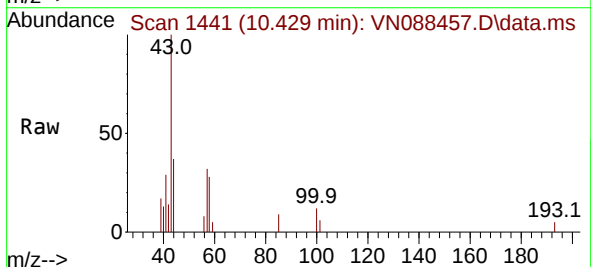
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

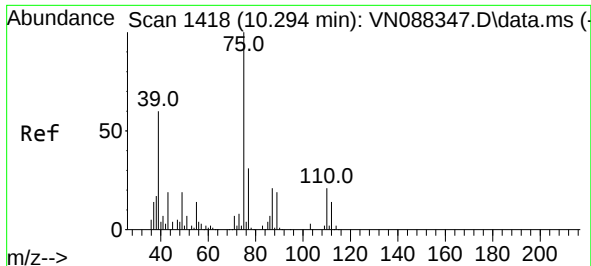
Tgt Ion: 98 Resp: 522758
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.587 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

Tgt Ion: 43 Resp: 3278
Ion Ratio Lower Upper
43 100
58 51.8 29.1 43.7#

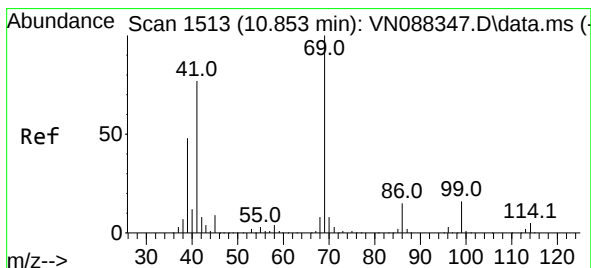
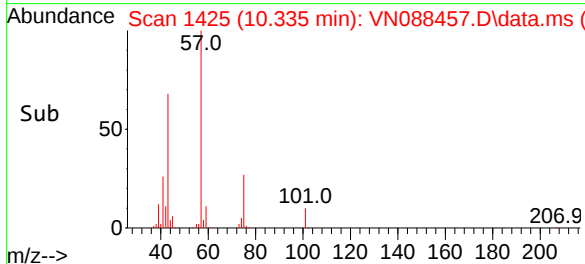
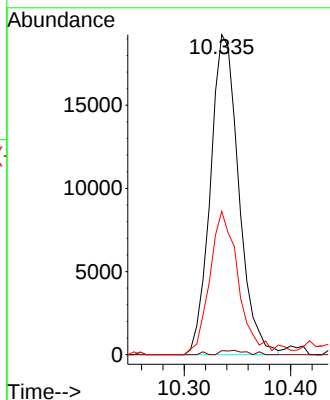
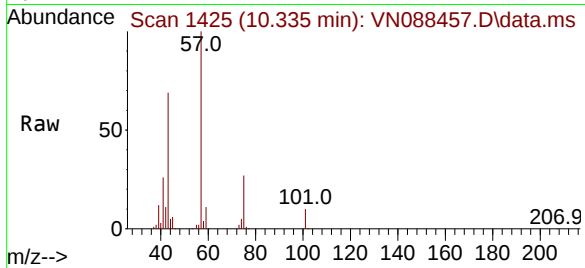




#54
 cis-1,3-Dichloropropene
 Concen: 6.382 ug/l
 RT: 10.335 min Scan# 1418
 Delta R.T. 0.041 min
 Lab File: VN088457.D
 Acq: 04 Dec 2025 19:11

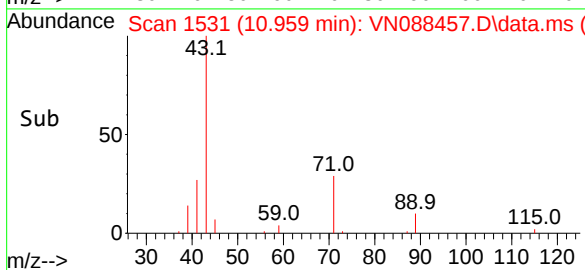
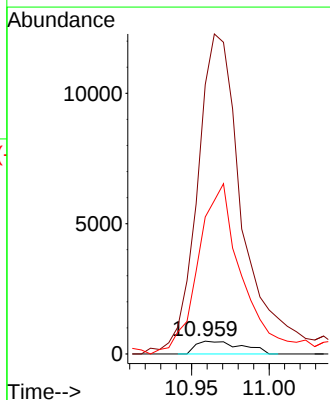
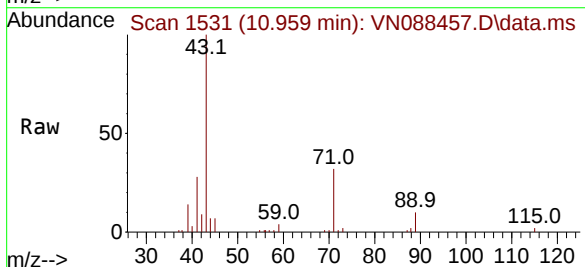
Instrument :
 MSVOA_N
 ClientSampleId :
 FENCE WC-2

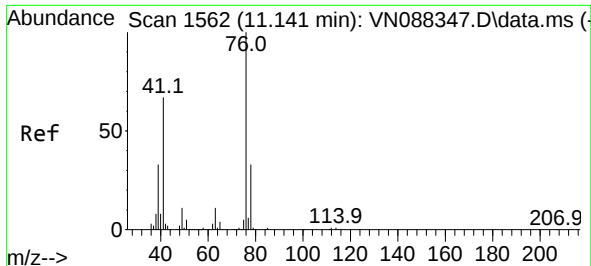
Tgt Ion: 75 Resp: 35560
 Ion Ratio Lower Upper
 75 100
 77 1.3 24.5 36.7#
 39 44.8 48.3 72.5#



#56
 Ethyl methacrylate
 Concen: 0.208 ug/l
 RT: 10.959 min Scan# 1531
 Delta R.T. 0.106 min
 Lab File: VN088457.D
 Acq: 04 Dec 2025 19:11

Tgt Ion: 69 Resp: 1016
 Ion Ratio Lower Upper
 69 100
 41 2465.6 59.6 89.4#
 39 1283.9 36.4 54.6#





#57

1,3-Dichloropropane

Concen: 0.427 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.047 min

Lab File: VN088457.D

Acq: 04 Dec 2025 19:11

Instrument :

MSVOA_N

ClientSampleId :

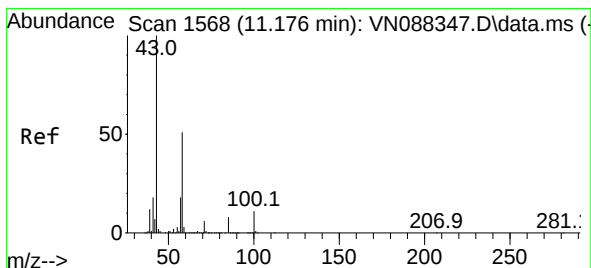
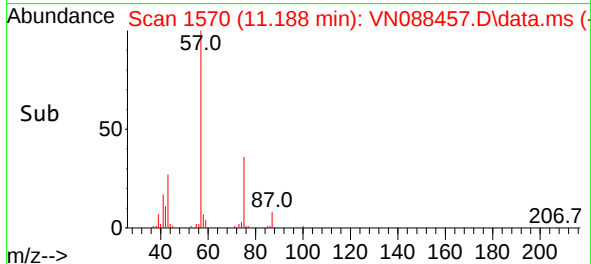
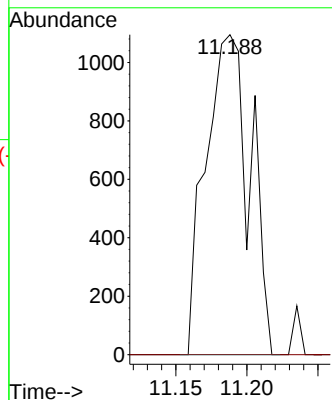
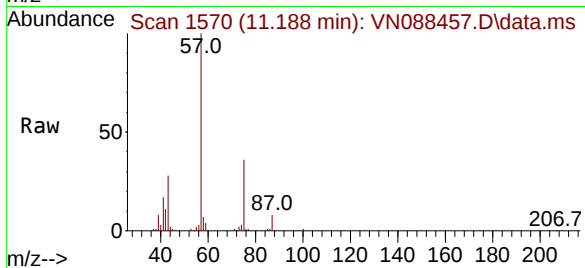
FENCE WC-2

Tgt Ion: 76 Resp: 2379

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 13.901 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.012 min

Lab File: VN088457.D

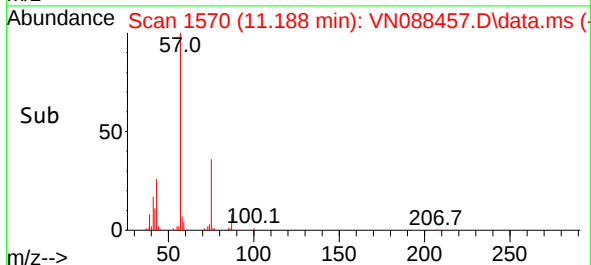
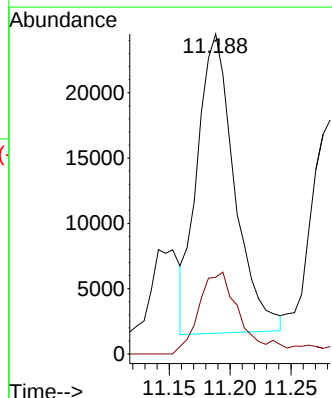
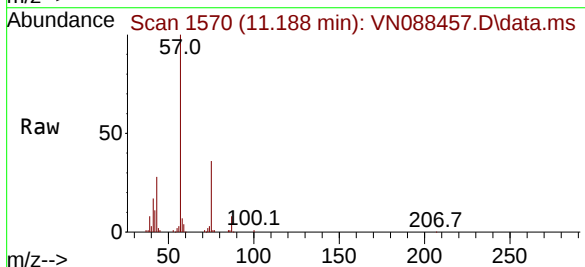
Acq: 04 Dec 2025 19:11

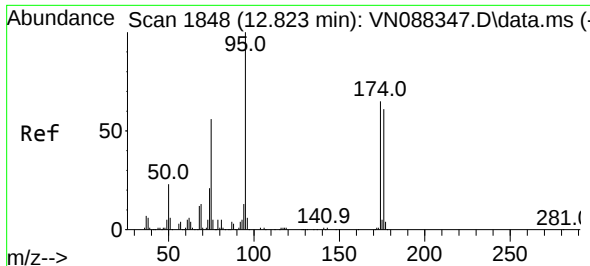
Tgt Ion: 43 Resp: 48884

Ion Ratio Lower Upper

43 100

58 30.0 25.3 75.9

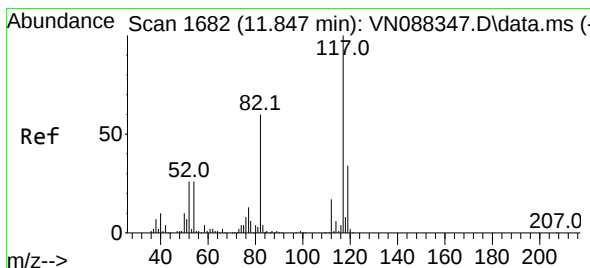
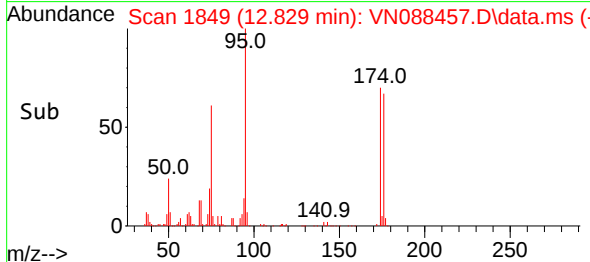
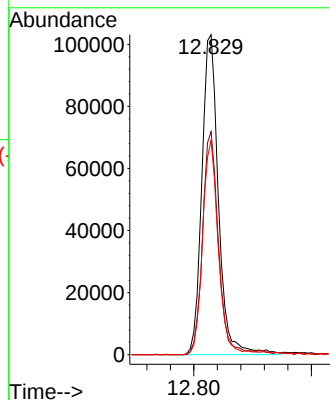
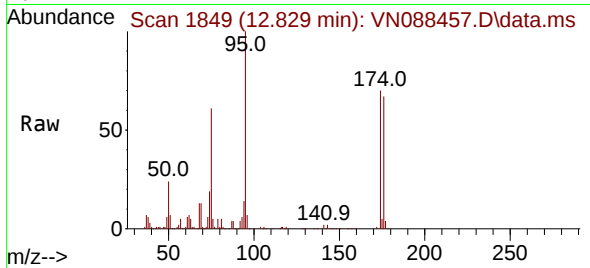




#62
4-Bromofluorobenzene
Concen: 52.007 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

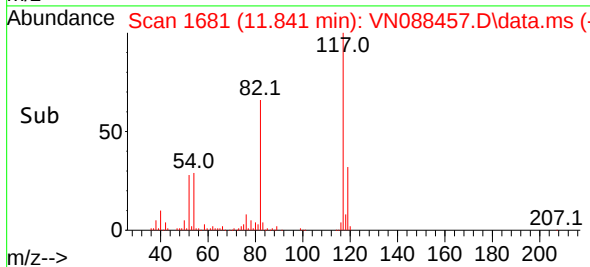
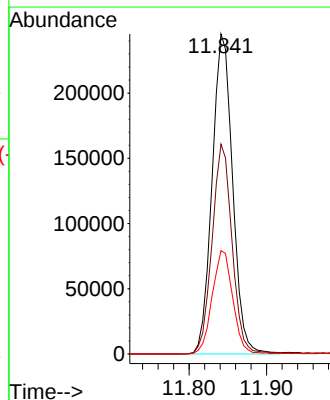
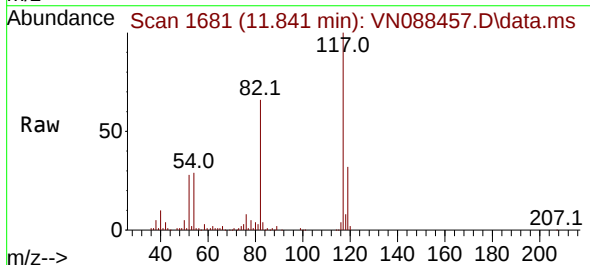
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-2

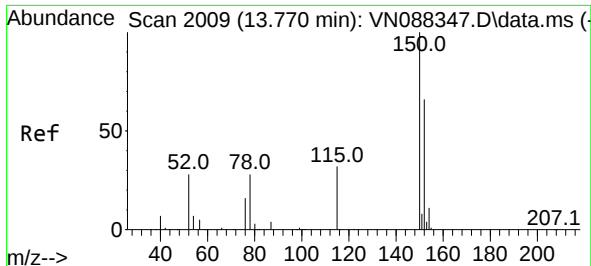
Tgt Ion: 95 Resp: 202809
Ion Ratio Lower Upper
95 100
174 66.8 0.0 139.0
176 63.1 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088457.D
Acq: 04 Dec 2025 19:11

Tgt Ion: 117 Resp: 450593
Ion Ratio Lower Upper
117 100
82 65.5 47.8 71.8
119 32.3 26.9 40.3

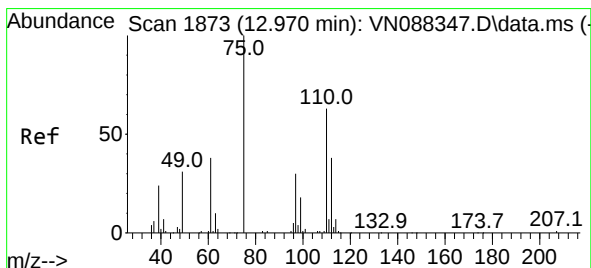
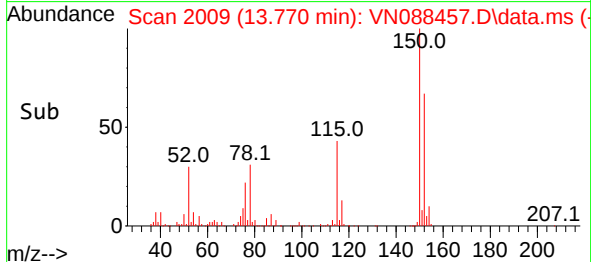
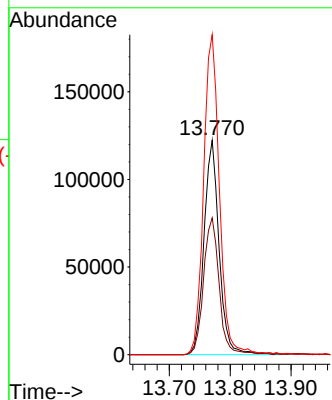
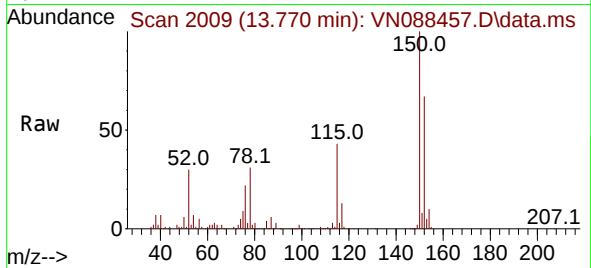




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088457.D
 Acq: 04 Dec 2025 19:11

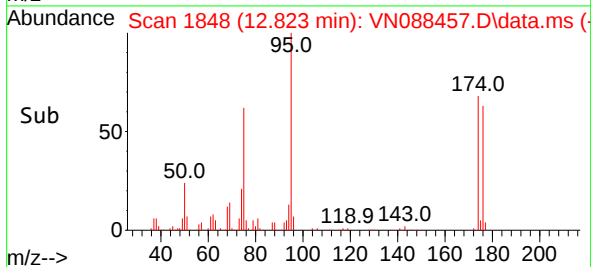
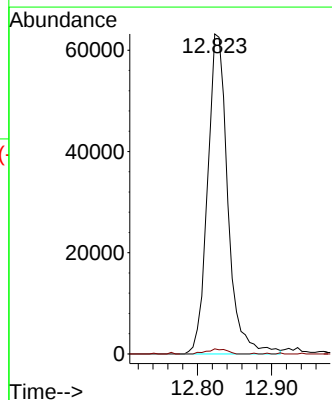
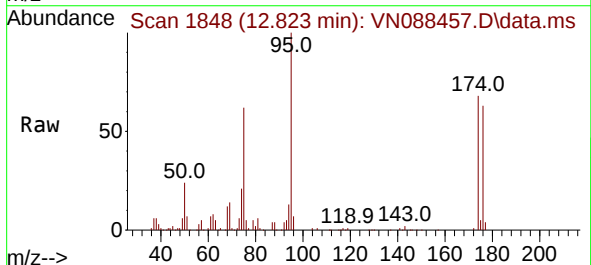
Instrument :
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 ClientSampleId :
 FENCE WC-2

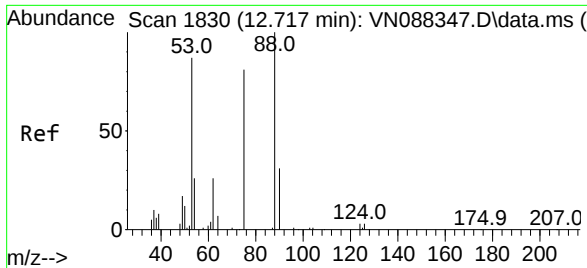
Tgt Ion:152 Resp: 211464
 Ion Ratio Lower Upper
 152 100
 115 65.5 33.0 98.9
 150 155.8 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.223 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. -0.147 min
 Lab File: VN088457.D
 Acq: 04 Dec 2025 19:11

Tgt Ion: 75 Resp: 119975
 Ion Ratio Lower Upper
 75 100
 77 1.6 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.720 ug/l
 RT: 12.823 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN088457.D
 Acq: 04 Dec 2025 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 FENCE WC-2

Tgt Ion: 75 Resp: 119975
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.2 138.4#
 89 0.3 0.0 0.0#

