

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088429.D
 Acq On : 03 Dec 2025 15:15
 Operator : JC\MD
 Sample : Q3750-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FENCE WC-1

Quant Time: Dec 04 00:19:56 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	248079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	603520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	626916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	293520	50.000	ug/l	0.00

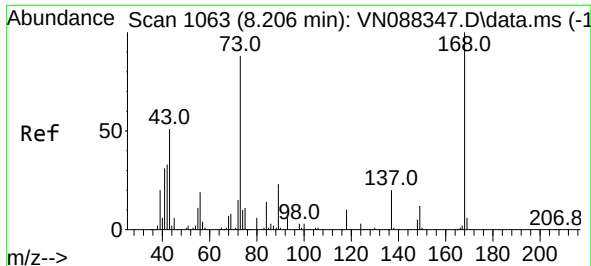
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	307258	65.747	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 131.500%#	
35) Dibromofluoromethane	8.147	113	217301	51.956	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.920%	
50) Toluene-d8	10.541	98	771783	49.595	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.200%	
62) 4-Bromofluorobenzene	12.824	95	294577	55.170	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 110.340%	

Target Compounds				Qvalue		
11) Tert butyl alcohol	5.518	59	6147	8.239	ug/l #	85
16) Acetone	4.418	43	31623	18.711	ug/l #	88
18) Methyl Acetate	5.036	43	5486	1.090	ug/l #	80
20) Methylene Chloride	5.271	84	12209	3.376	ug/l #	93
25) 2-Butanone	7.471	43	39038	14.368	ug/l	95
29) Tetrahydrofuran	7.818	42	579	0.297	ug/l #	36
31) Cyclohexane	8.212	56	7807	1.270	ug/l #	23
36) 1,1-Dichloropropene	8.206	75	25659	3.975	ug/l #	52
37) Ethyl Acetate	7.471	43	39038	4.600	ug/l #	72
38) Carbon Tetrachloride	8.206	117	28779	4.479	ug/l #	16
43) Isopropyl Acetate	8.671	43	23463	1.809	ug/l #	87
45) 1,2-Dichloropropane	9.730	63	1344	0.277	ug/l #	46
48) Methyl methacrylate	9.724	41	104820	17.716	ug/l #	48
49) 1,4-Dioxane	9.706	88	54	0.718	ug/l #	1
51) 4-Methyl-2-Pentanone	10.430	43	9595	1.255	ug/l #	67
54) cis-1,3-Dichloropropene	10.335	75	35537	4.658	ug/l #	67
57) 1,3-Dichloropropane	11.182	76	2634	0.345	ug/l #	42
59) 2-Hexanone	11.188	43	60619	12.590	ug/l #	63
76) 1,2,3-Trichloropropane	12.824	75	174972	25.451	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.824	75	174972	72.204	ug/l #	1

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

Quant Time: Dec 04 00:19:56 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

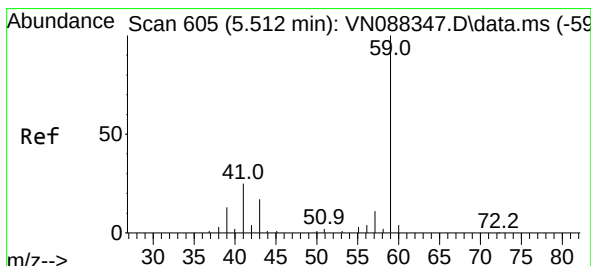
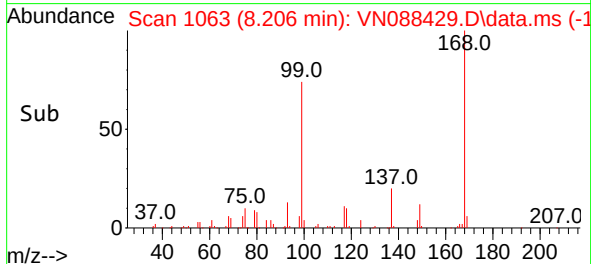
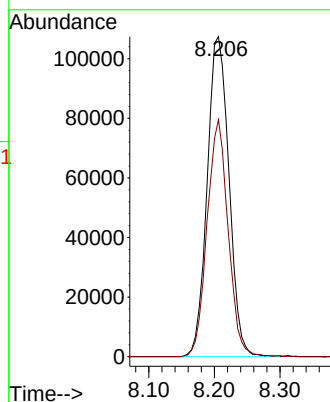
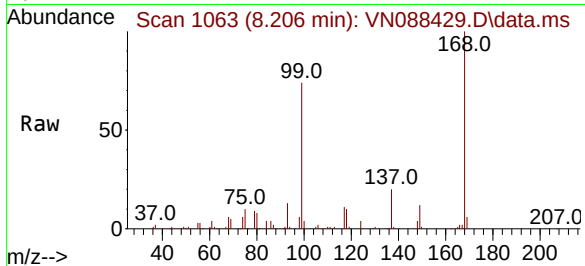




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

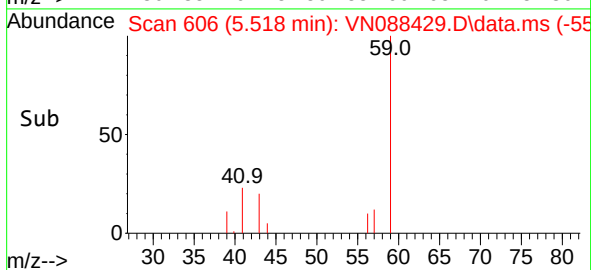
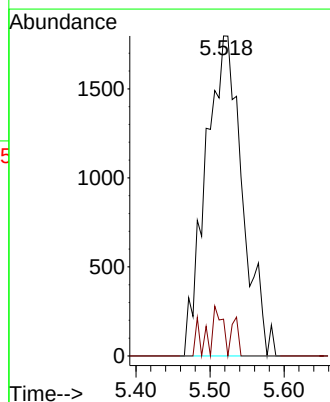
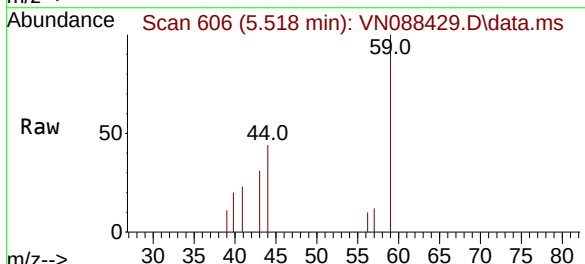
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-1

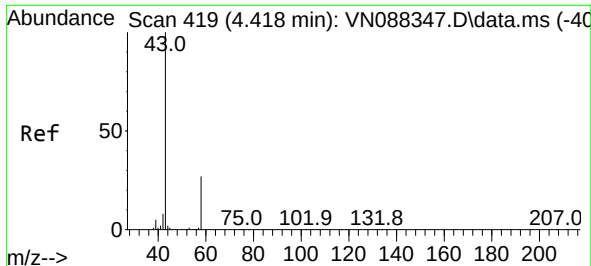
Tgt Ion:168 Resp: 248079
Ion Ratio Lower Upper
168 100
99 74.1 57.1 85.7



#11
Tert butyl alcohol
Concen: 8.239 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

Tgt Ion: 59 Resp: 6147
Ion Ratio Lower Upper
59 100
57 4.9 8.5 12.7#

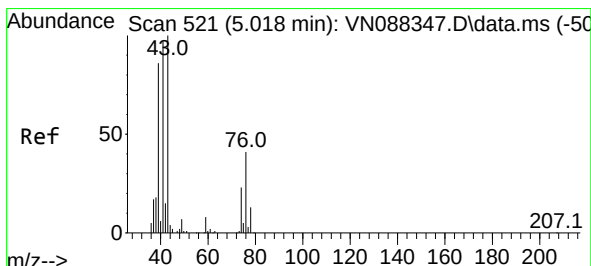
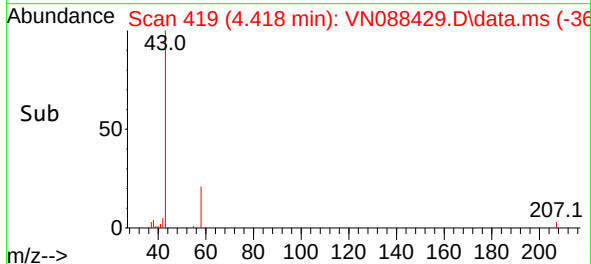
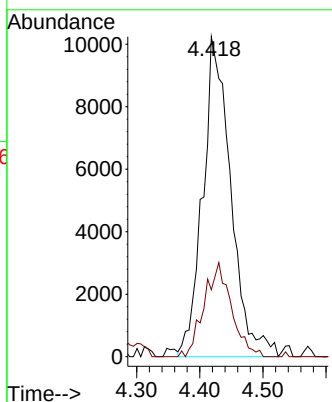
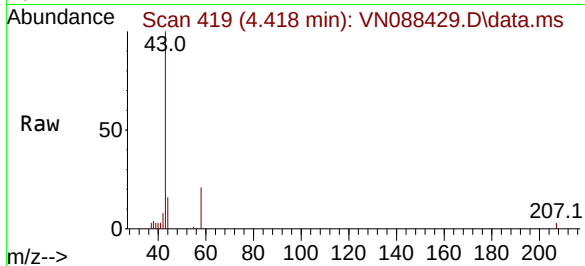




#16
Acetone
Concen: 18.711 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

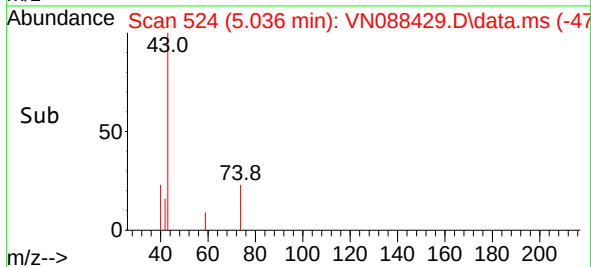
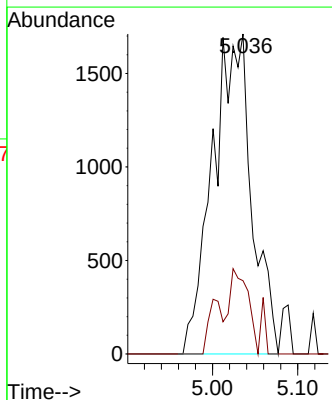
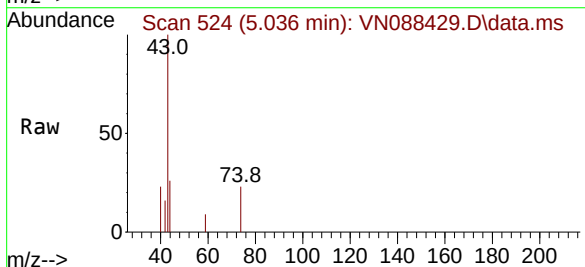
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-1

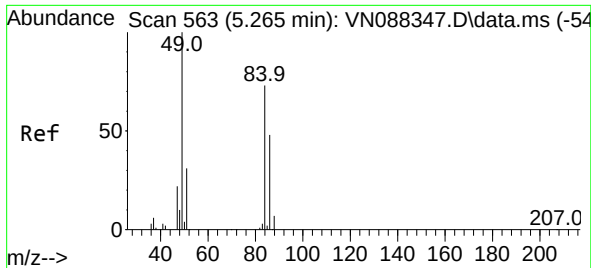
Tgt Ion: 43 Resp: 31623
Ion Ratio Lower Upper
43 100
58 20.9 21.7 32.5#



#18
Methyl Acetate
Concen: 1.090 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

Tgt Ion: 43 Resp: 5486
Ion Ratio Lower Upper
43 100
74 12.7 17.9 26.9#

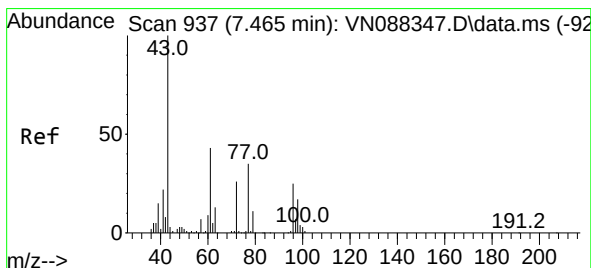
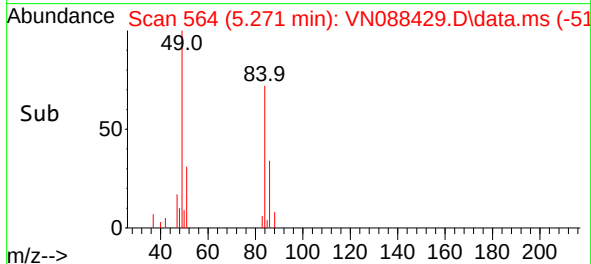
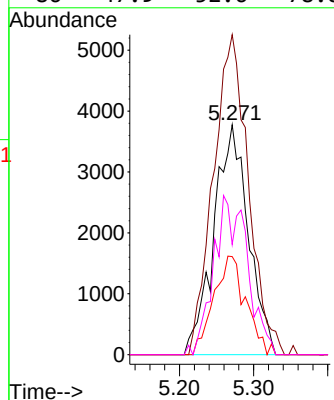
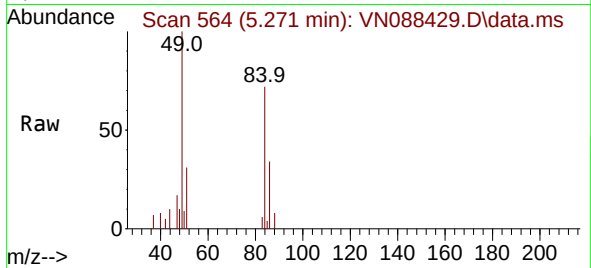




#20
Methylene Chloride
Concen: 3.376 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

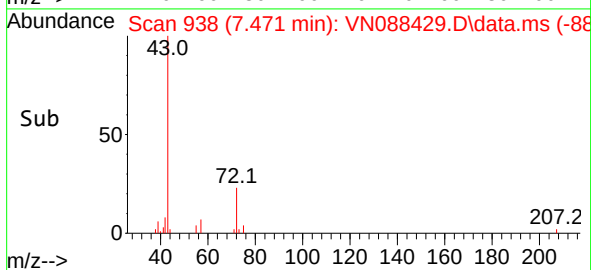
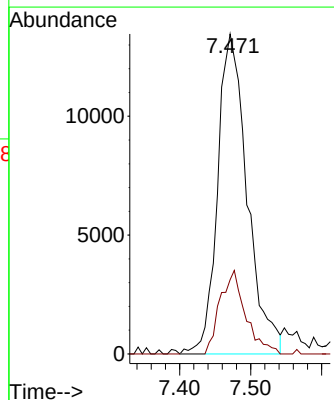
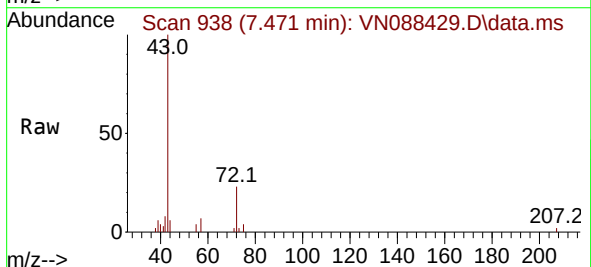
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-1

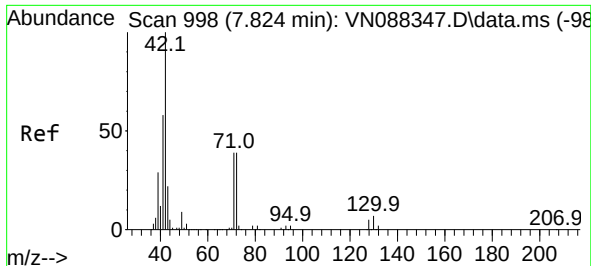
Tgt Ion:	84	Resp:	12209
Ion	Ratio	Lower	Upper
84	100		
49	139.2	110.2	165.2
51	42.6	34.1	51.1
86	47.9	52.6	78.8



#25
2-Butanone
Concen: 14.368 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

Tgt Ion:	43	Resp:	39038
Ion	Ratio	Lower	Upper
43	100		
72	23.2	20.5	30.7





#29

Tetrahydrofuran

Concen: 0.297 ug/l

RT: 7.818 min Scan# 998

Delta R.T. -0.006 min

Lab File: VN088429.D

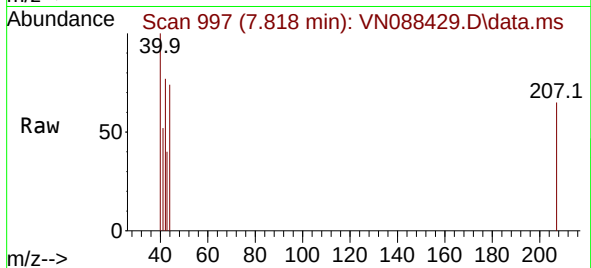
Acq: 03 Dec 2025 15:15

Instrument :

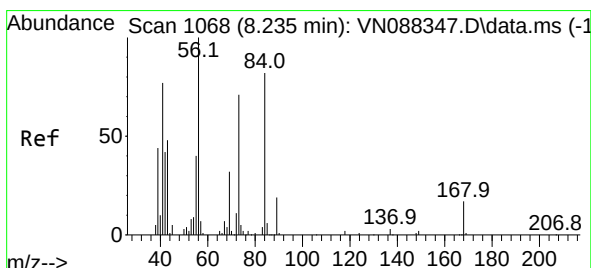
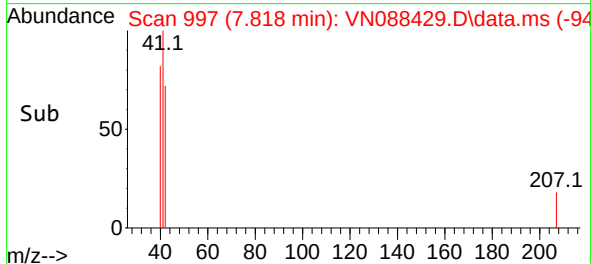
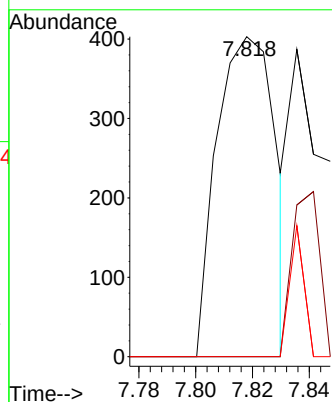
MSVOA_N

ClientSampleId :

FENCE WC-1



Tgt Ion:	42	Resp:	579
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.2	48.4#
71	0.0	31.1	46.7#



#31

Cyclohexane

Concen: 1.270 ug/l

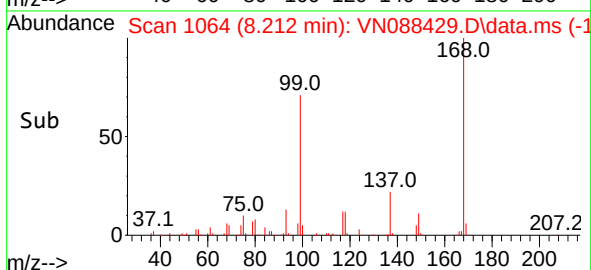
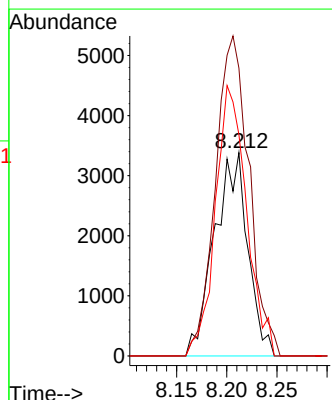
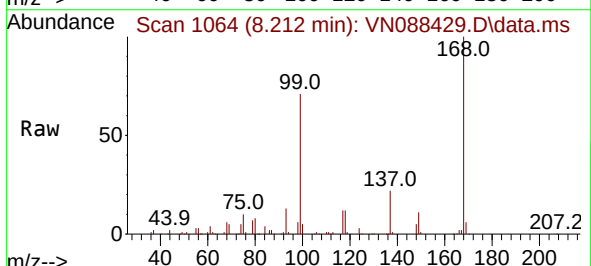
RT: 8.212 min Scan# 1064

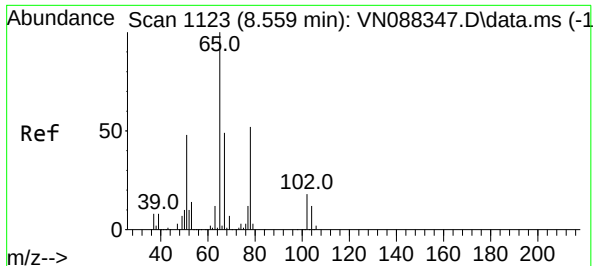
Delta R.T. -0.023 min

Lab File: VN088429.D

Acq: 03 Dec 2025 15:15

Tgt Ion:	56	Resp:	7807
Ion	Ratio	Lower	Upper
56	100		
69	141.5	25.3	37.9#
84	108.8	65.4	98.2#





#33

1,2-Dichloroethane-d4

Concen: 65.747 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088429.D

Acq: 03 Dec 2025 15:15

Instrument :

MSVOA_N

ClientSampleId :

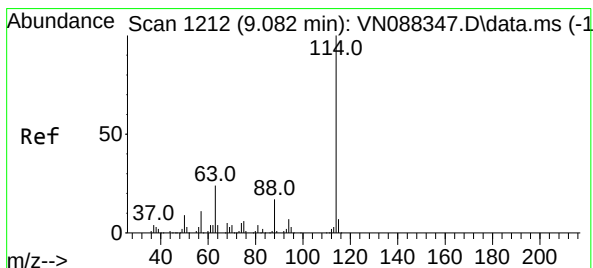
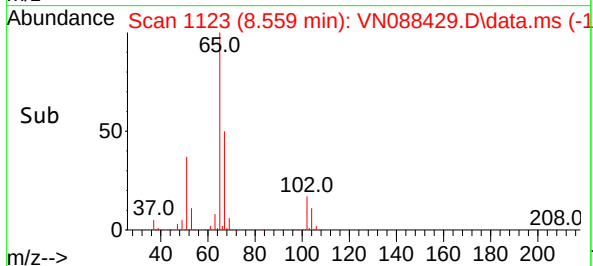
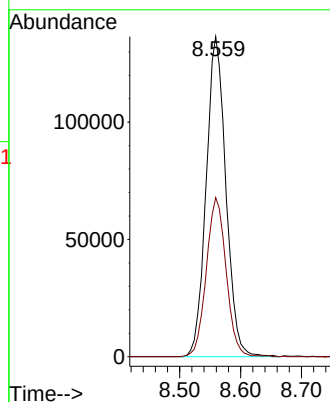
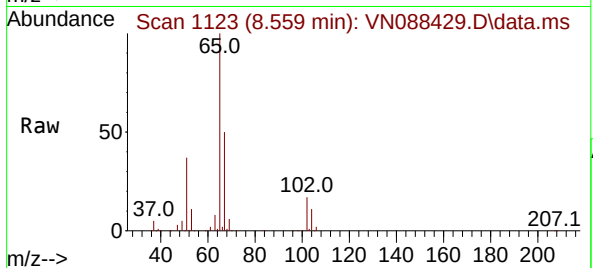
FENCE WC-1

Tgt Ion: 65 Resp: 307258

Ion Ratio Lower Upper

65 100

67 49.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088429.D

Acq: 03 Dec 2025 15:15

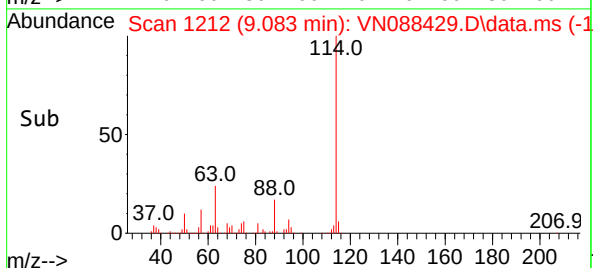
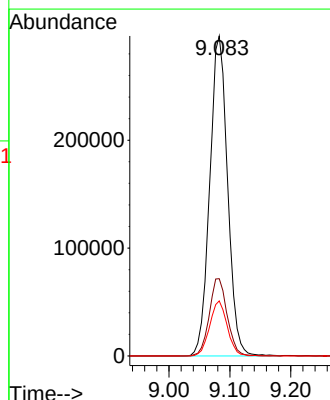
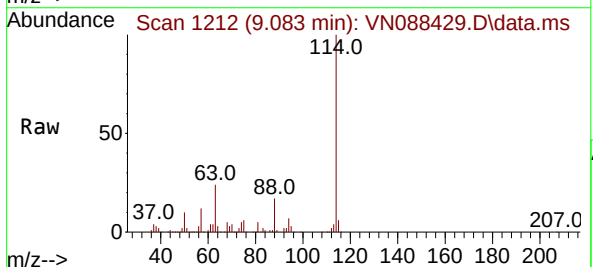
Tgt Ion:114 Resp: 603520

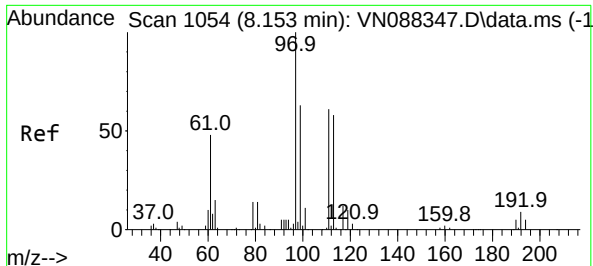
Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.0

88 17.2 0.0 34.0

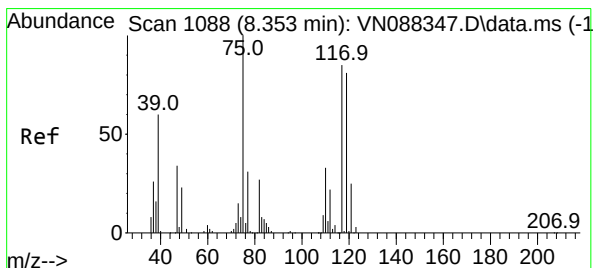
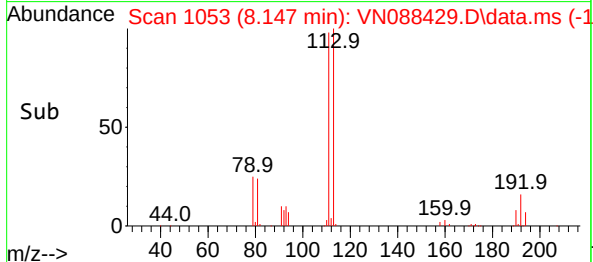
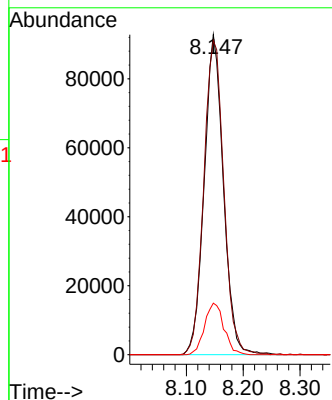
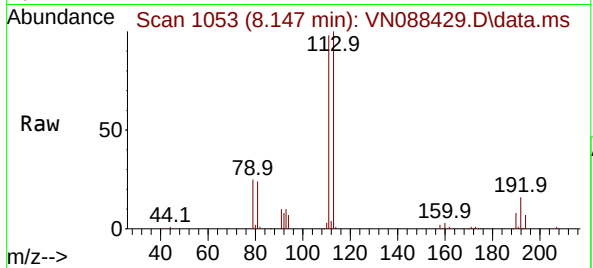




#35
Dibromofluoromethane
Concen: 51.956 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

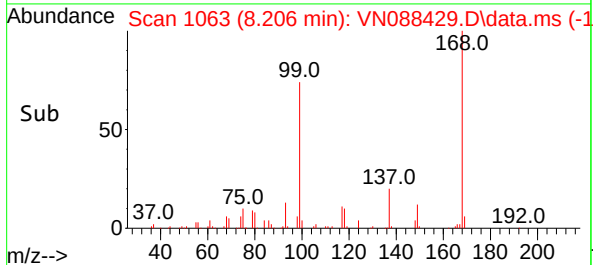
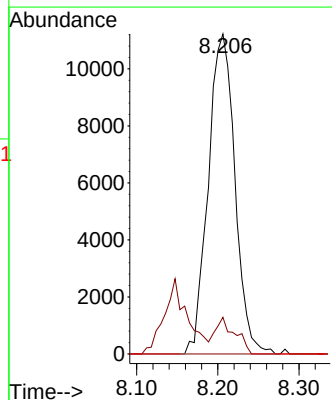
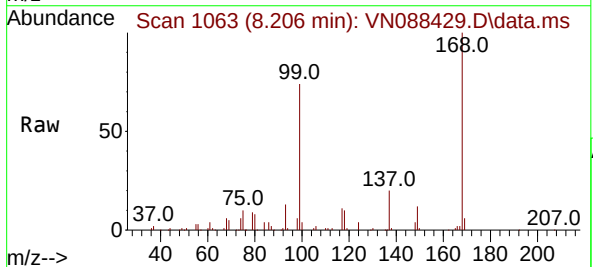
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-1

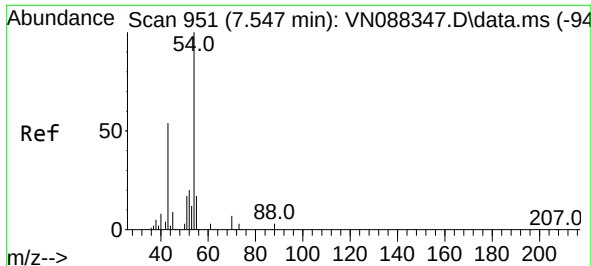
Tgt Ion:113 Resp: 217301
Ion Ratio Lower Upper
113 100
111 102.2 82.5 123.7
192 16.3 12.8 19.2



#36
1,1-Dichloropropene
Concen: 3.975 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

Tgt Ion: 75 Resp: 25659
Ion Ratio Lower Upper
75 100
110 8.5 15.8 47.4#
77 0.0 24.2 36.2#

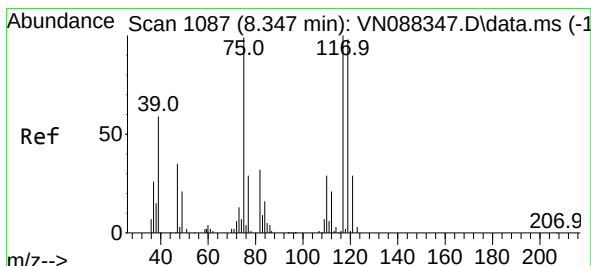
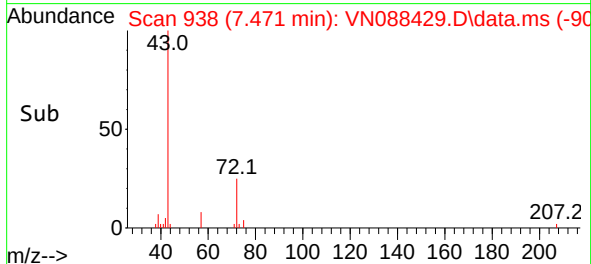
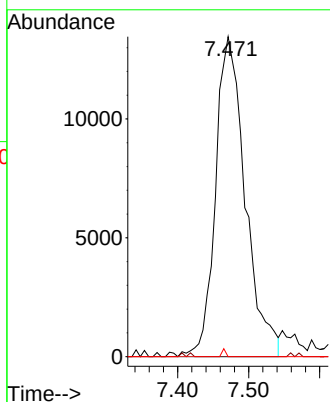
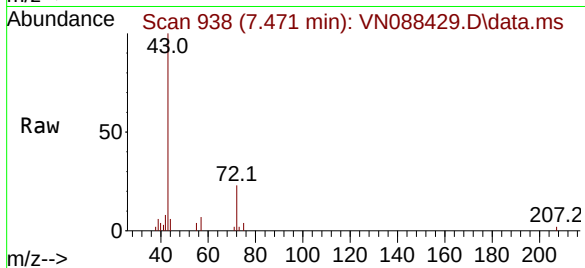




#37
Ethyl Acetate
Concen: 4.600 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.076 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

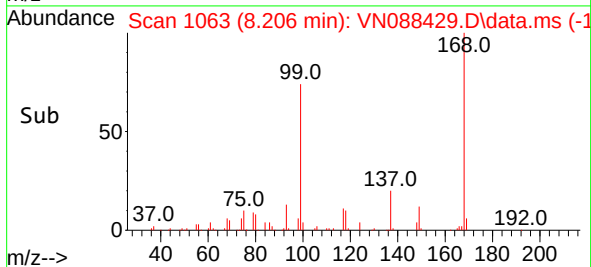
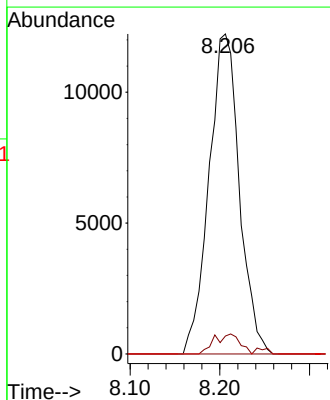
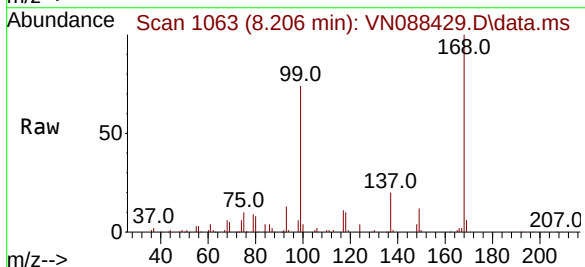
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-1

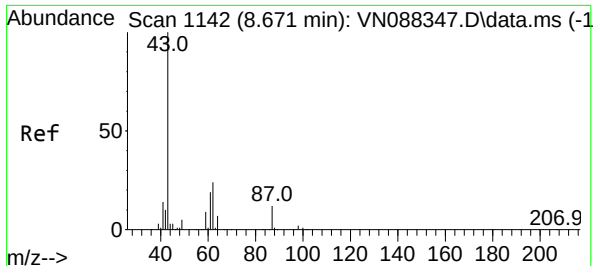
Tgt Ion: 43 Resp: 39038
Ion Ratio Lower Upper
43 100
61 0.0 9.5 14.3#
70 0.3 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.479 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

Tgt Ion: 117 Resp: 28779
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.4#
121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 1.809 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN088429.D

Acq: 03 Dec 2025 15:15

Instrument :

MSVOA_N

ClientSampleId :

FENCE WC-1

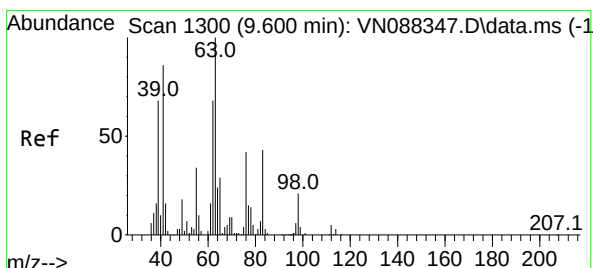
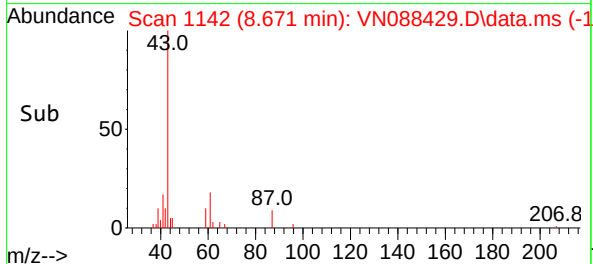
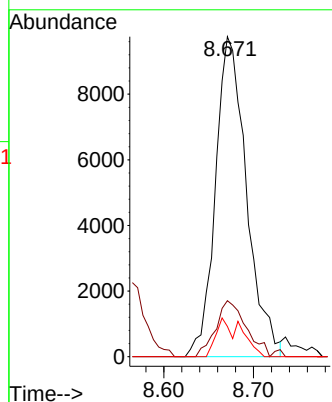
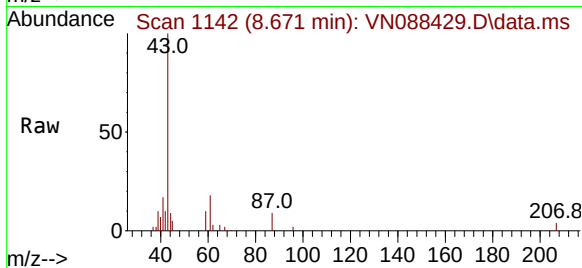
Tgt Ion: 43 Resp: 23463

Ion Ratio Lower Upper

43 100

61 17.6 18.7 28.1#

87 5.6 9.1 13.7#



#45

1,2-Dichloropropane

Concen: 0.277 ug/l

RT: 9.730 min Scan# 1322

Delta R.T. 0.130 min

Lab File: VN088429.D

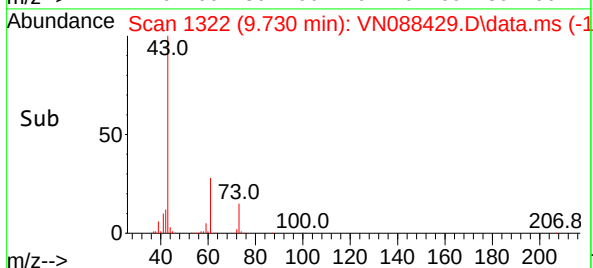
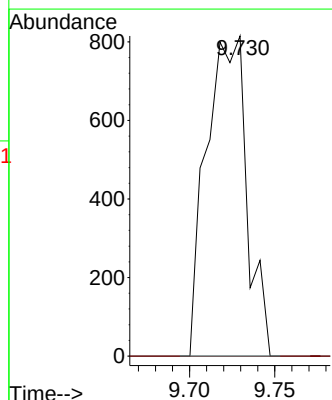
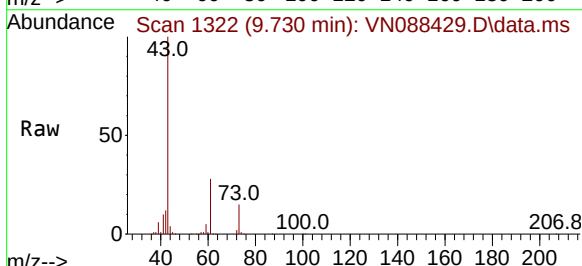
Acq: 03 Dec 2025 15:15

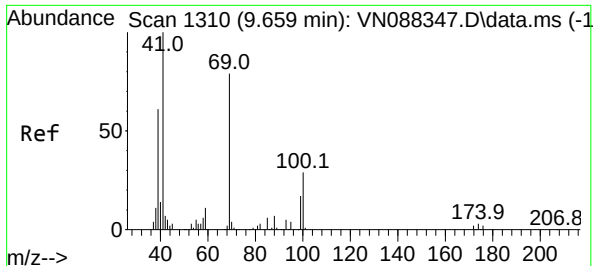
Tgt Ion: 63 Resp: 1344

Ion Ratio Lower Upper

63 100

65 0.0 23.0 34.4#





#48

Methyl methacrylate

Concen: 17.716 ug/l

RT: 9.724 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN088429.D

Acq: 03 Dec 2025 15:15

Instrument :

MSVOA_N

ClientSampleId :

FENCE WC-1

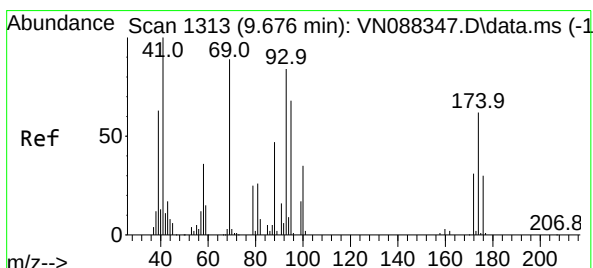
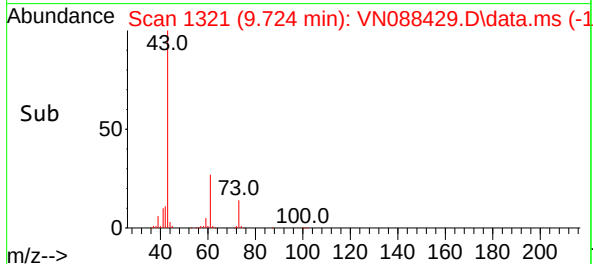
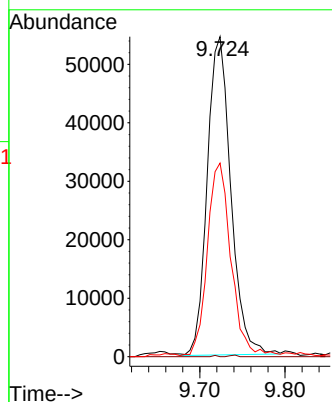
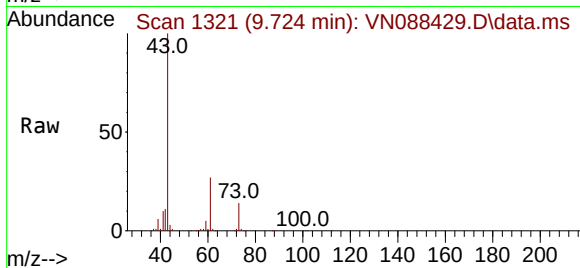
Tgt Ion: 41 Resp: 104820

Ion Ratio Lower Upper

41 100

69 0.1 62.4 93.6#

39 60.0 52.6 79.0



#49

1,4-Dioxane

Concen: 0.718 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.030 min

Lab File: VN088429.D

Acq: 03 Dec 2025 15:15

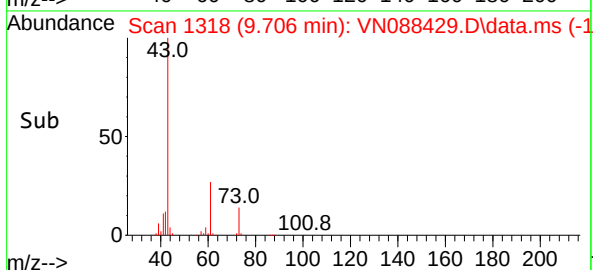
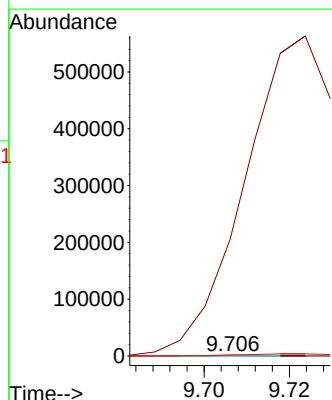
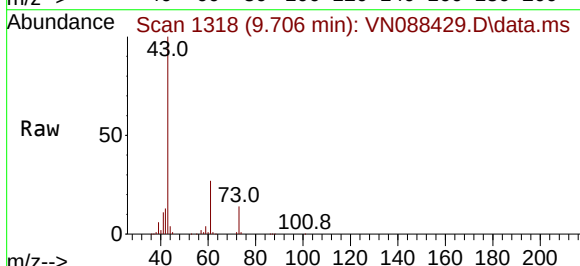
Tgt Ion: 88 Resp: 54

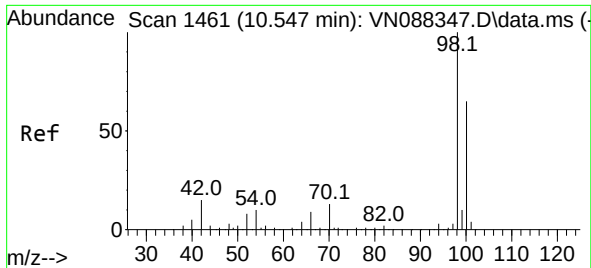
Ion Ratio Lower Upper

88 100

43 1947663.0 0.0 0.0#

58 13659.3 62.0 93.0#

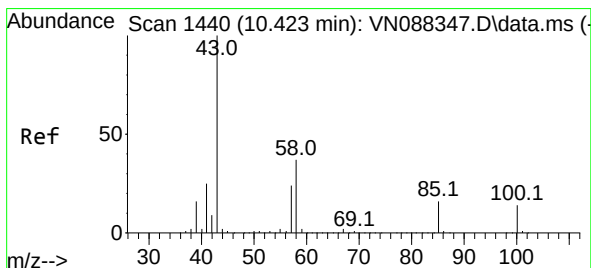
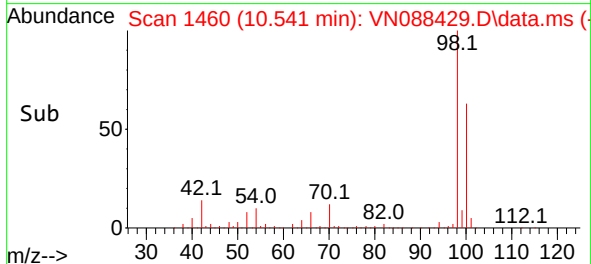
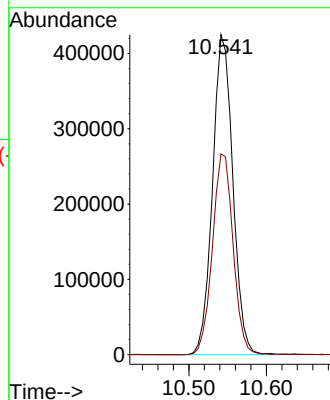
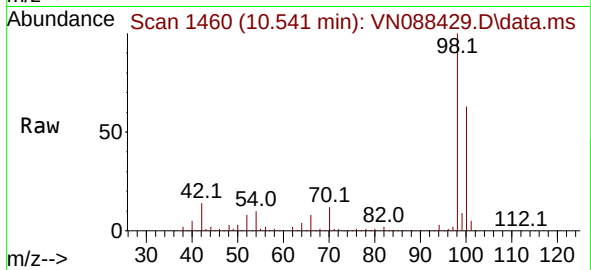




#50
Toluene-d8
Concen: 49.595 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

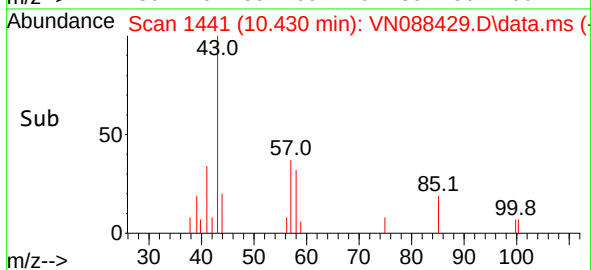
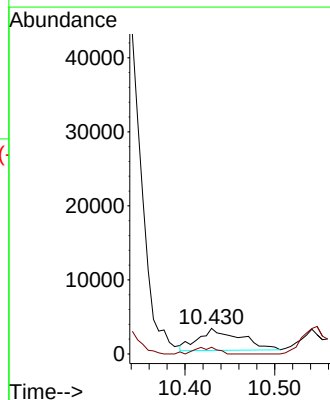
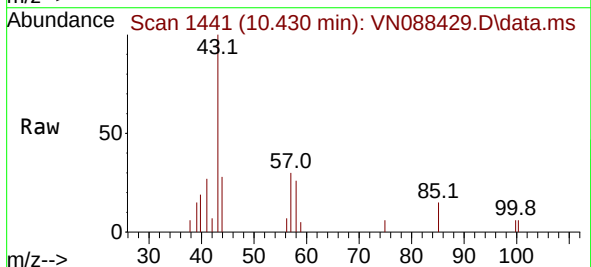
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-1

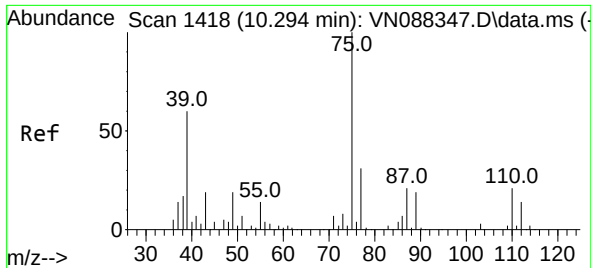
Tgt Ion: 98 Resp: 771783
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.255 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

Tgt Ion: 43 Resp: 9595
Ion Ratio Lower Upper
43 100
58 17.0 29.1 43.7#

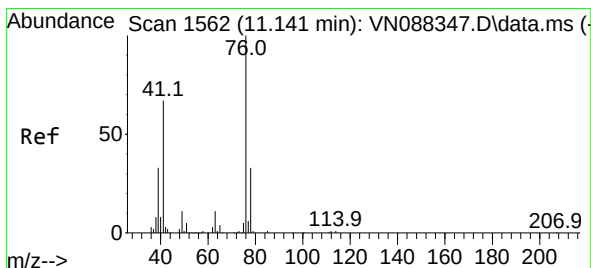
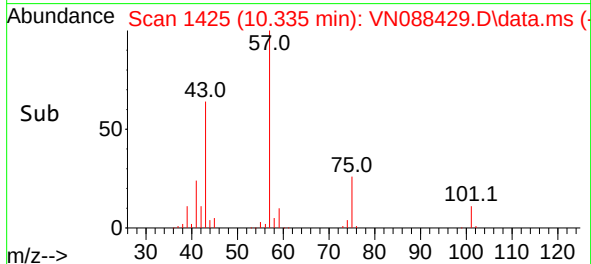
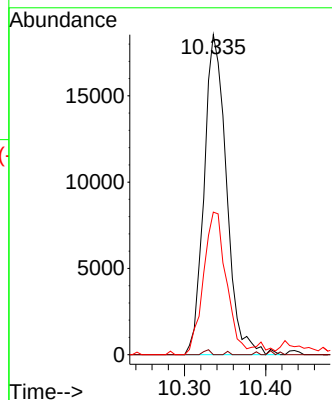
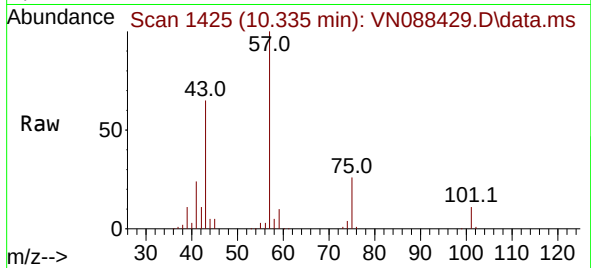




#54
 cis-1,3-Dichloropropene
 Concen: 4.658 ug/l
 RT: 10.335 min Scan# 1418
 Delta R.T. 0.041 min
 Lab File: VN088429.D
 Acq: 03 Dec 2025 15:15

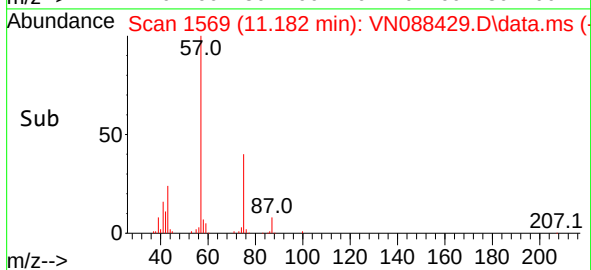
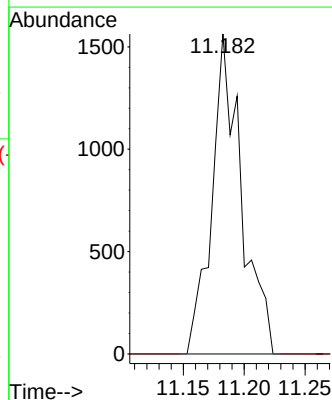
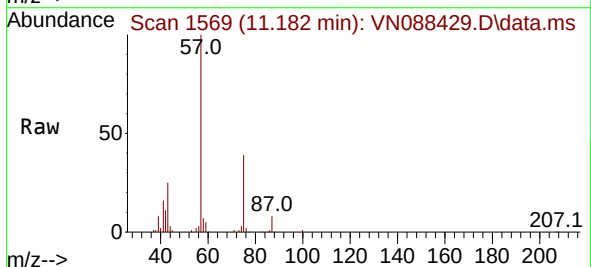
Instrument :
 MSVOA_N
 ClientSampleId :
 FENCE WC-1

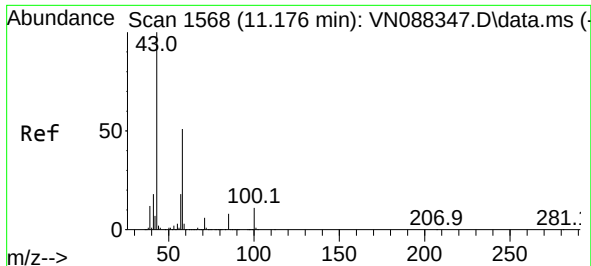
Tgt Ion: 75 Resp: 35537
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.5 36.7#
 39 44.6 48.3 72.5#



#57
 1,3-Dichloropropane
 Concen: 0.345 ug/l
 RT: 11.182 min Scan# 1569
 Delta R.T. 0.041 min
 Lab File: VN088429.D
 Acq: 03 Dec 2025 15:15

Tgt Ion: 76 Resp: 2634
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

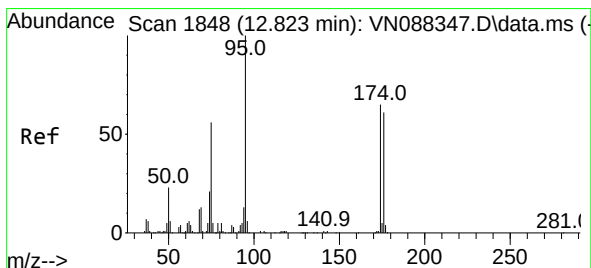
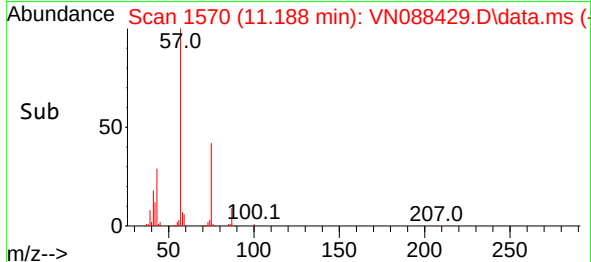
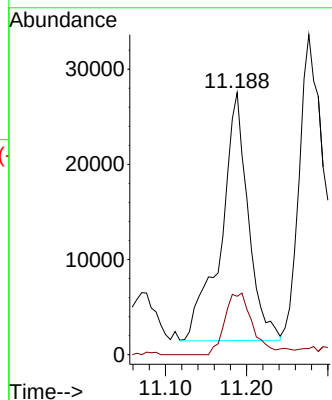
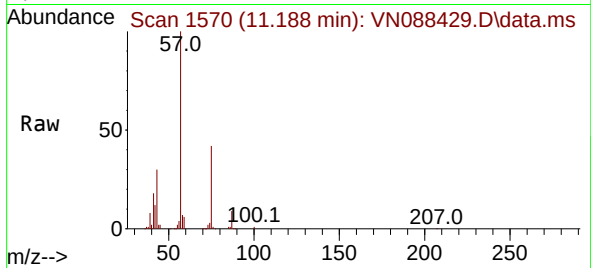




#59
2-Hexanone
Concen: 12.590 ug/l
RT: 11.188 min Scan# 1568
Delta R.T. 0.012 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

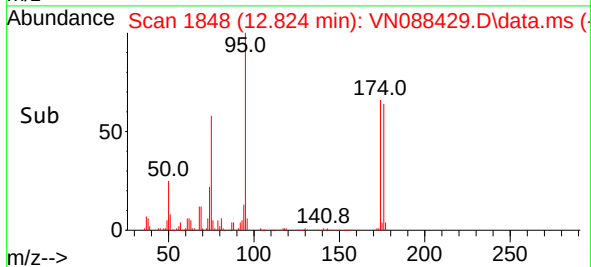
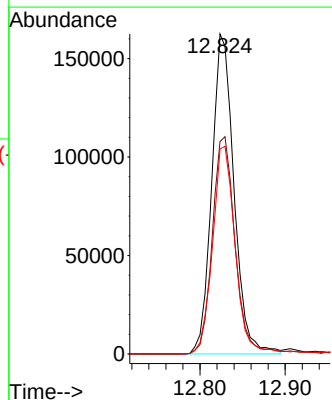
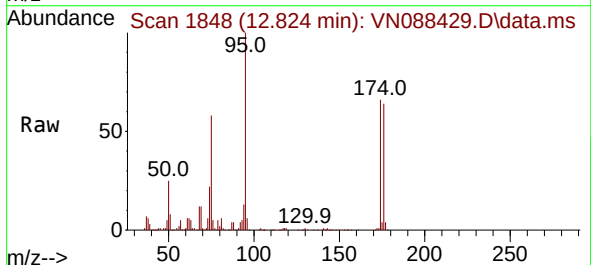
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-1

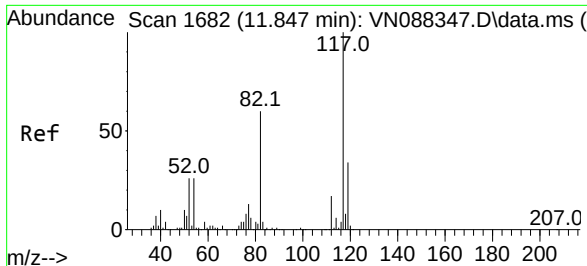
Tgt Ion: 43 Resp: 60619
Ion Ratio Lower Upper
43 100
58 25.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 55.170 ug/l
RT: 12.824 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

Tgt Ion: 95 Resp: 294577
Ion Ratio Lower Upper
95 100
174 69.9 0.0 139.0
176 66.7 0.0 132.4

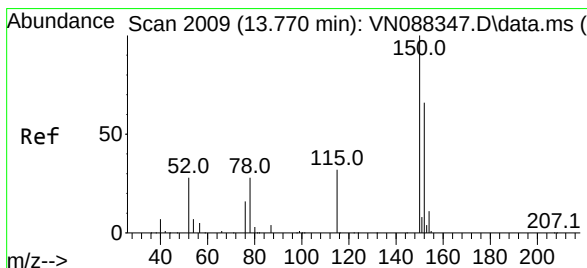
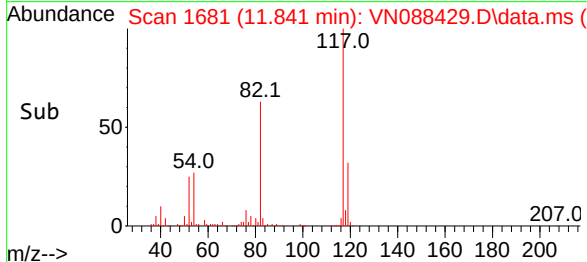
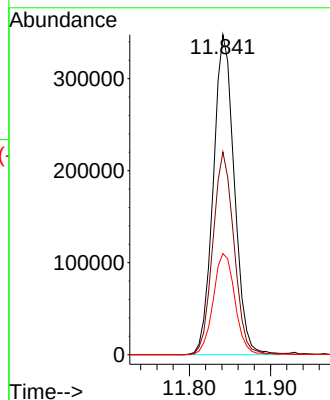
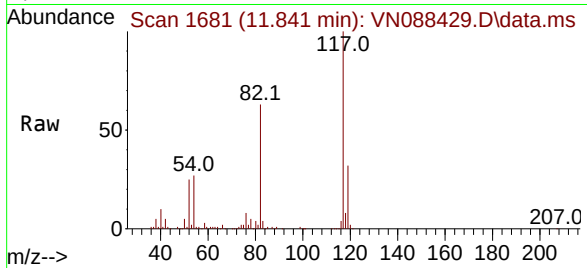




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

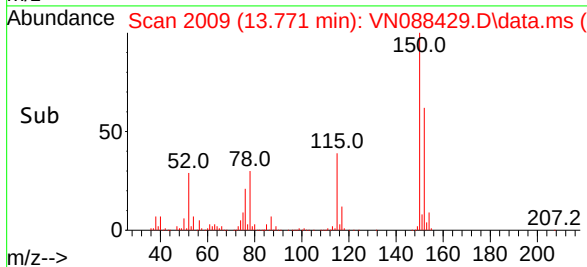
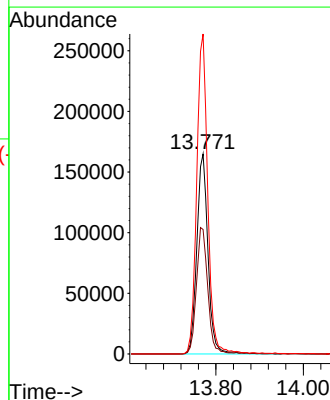
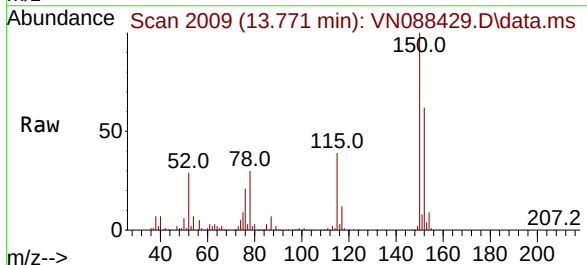
Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-1

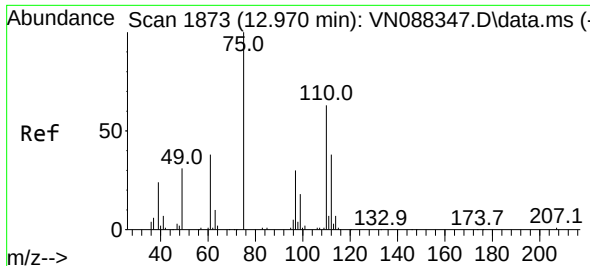
Tgt Ion:117 Resp: 626916
Ion Ratio Lower Upper
117 100
82 63.3 47.8 71.8
119 31.6 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

Tgt Ion:152 Resp: 293520
Ion Ratio Lower Upper
152 100
115 64.2 33.0 98.9
150 157.0 0.0 349.0

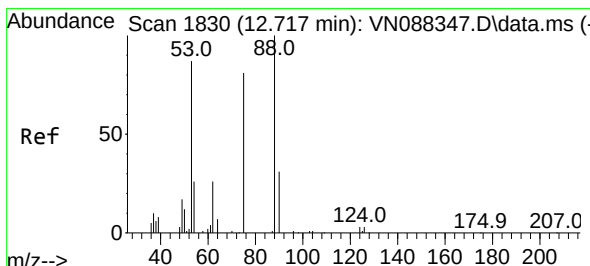
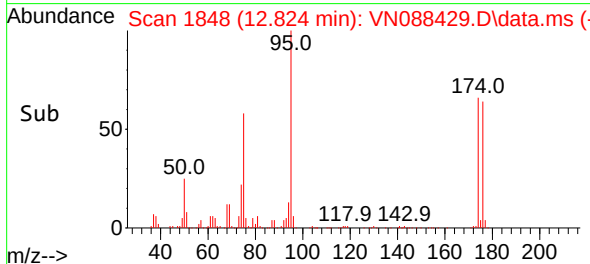
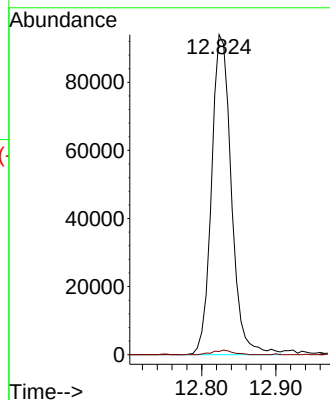
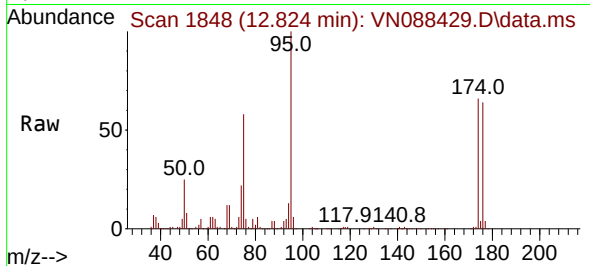




#76
1,2,3-Trichloropropane
Concen: 25.451 ug/l
RT: 12.824 min Scan# 1848
Delta R.T. -0.147 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

Instrument :
MSVOA_N
ClientSampleId :
FENCE WC-1

Tgt Ion: 75 Resp: 174972
Ion Ratio Lower Upper
75 100
77 1.4 87.2 261.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.204 ug/l
RT: 12.824 min Scan# 1848
Delta R.T. 0.106 min
Lab File: VN088429.D
Acq: 03 Dec 2025 15:15

Tgt Ion: 75 Resp: 174972
Ion Ratio Lower Upper
75 100
53 0.3 92.2 138.4#
89 0.1 0.0 0.0#

