

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088450.D
 Acq On : 04 Dec 2025 16:48
 Operator : JC\MD
 Sample : Q3757-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-120325

Quant Time: Dec 05 00:18:07 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)

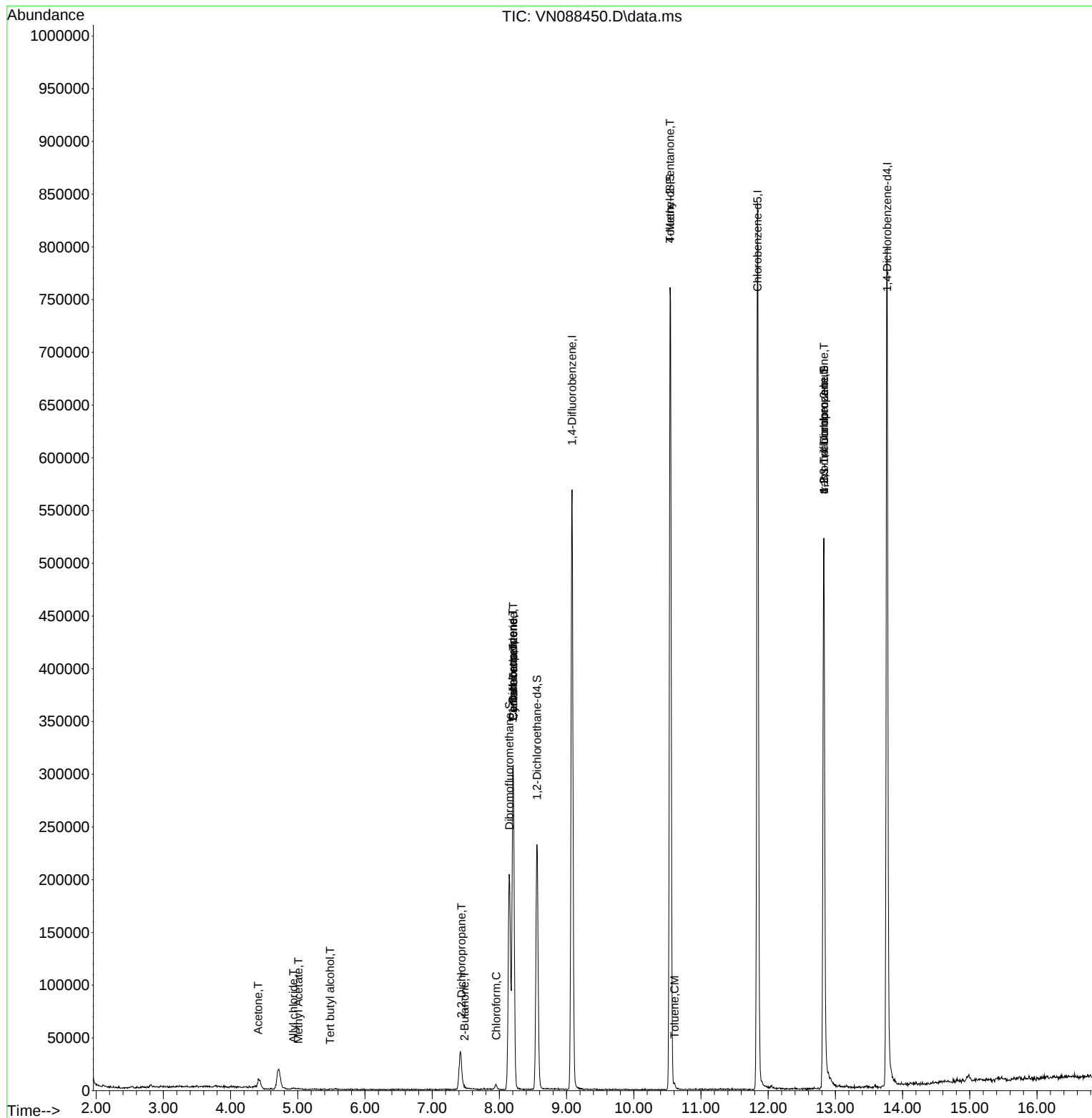
Internal Standards						
1) Pentafluorobenzene	8.206	168	201753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	451562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	439722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	210586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	203838	53.633	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.260%		
35) Dibromofluoromethane	8.147	113	146660	46.867	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 93.740%		
50) Toluene-d8	10.541	98	516378	44.349	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 88.700%		
62) 4-Bromofluorobenzene	12.829	95	197862	49.526	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 99.060%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.483	59	292	0.481	ug/l #	72
14) Allyl chloride	4.936	41	1785	0.391	ug/l #	24
16) Acetone	4.412	43	7969	5.798	ug/l	100
18) Methyl Acetate	5.012	43	2046	0.500	ug/l #	59
25) 2-Butanone	7.483	43	560	0.253	ug/l	97
26) 2,2-Dichloropropane	7.436	77	2589	0.544	ug/l #	56
30) Chloroform	7.953	83	4825	0.890	ug/l #	83
31) Cyclohexane	8.206	56	6383	1.277	ug/l #	7
36) 1,1-Dichloropropene	8.200	75	21967	4.548	ug/l #	51
38) Carbon Tetrachloride	8.206	117	23930	4.977	ug/l #	16
51) 4-Methyl-2-Pentanone	10.541	43	2809	0.491	ug/l #	1
52) Toluene	10.606	92	1764	0.216	ug/l	82
76) 1,2,3-Trichloropropane	12.829	75	117393	23.801	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	117393	67.522	ug/l #	1

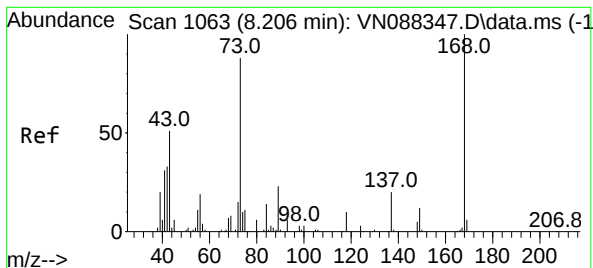
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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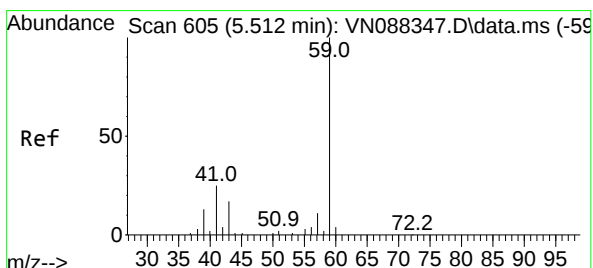
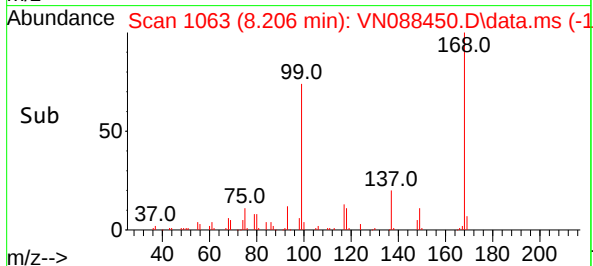
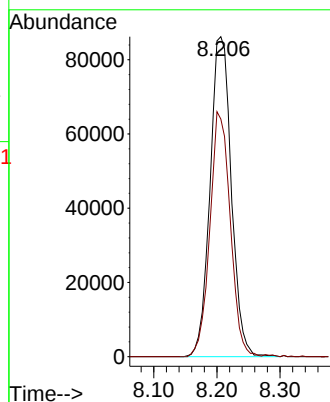
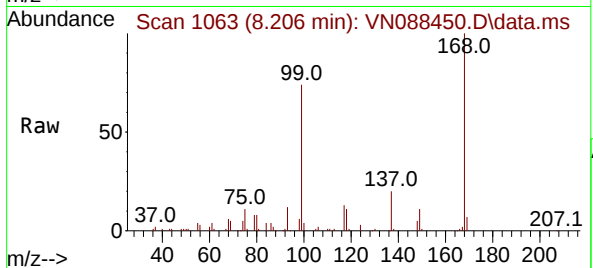




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

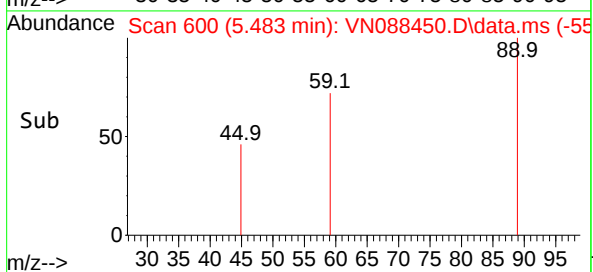
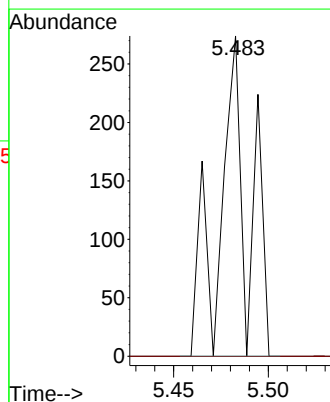
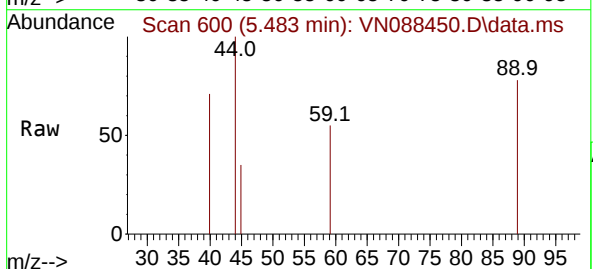
Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

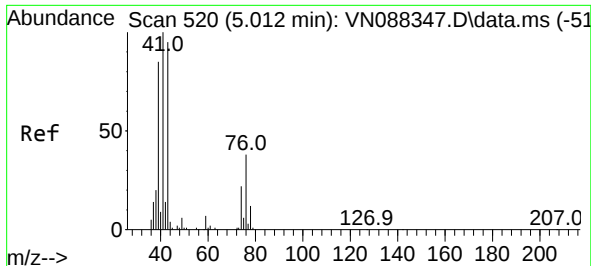
Tgt Ion:168 Resp: 201753
Ion Ratio Lower Upper
168 100
99 74.3 57.1 85.7



#11
Tert butyl alcohol
Concen: 0.481 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.029 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#14

Allyl chloride

Concen: 0.391 ug/l

RT: 4.936 min Scan# 50

Delta R.T. -0.076 min

Lab File: VN088450.D

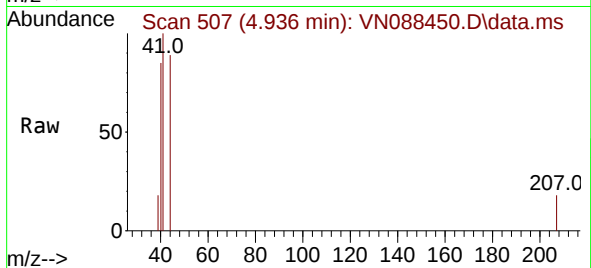
Acq: 04 Dec 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

EB01-120325



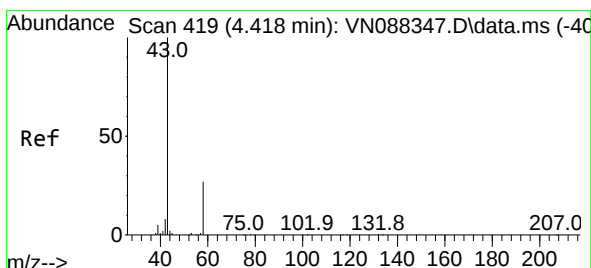
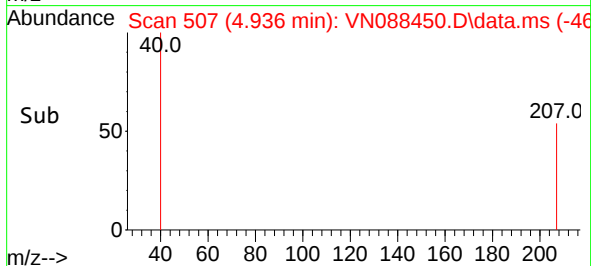
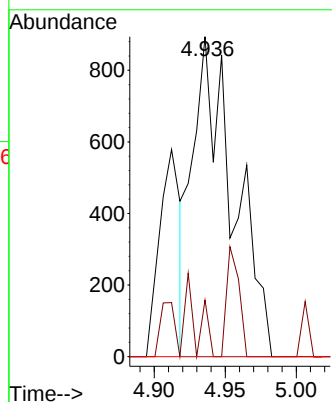
Tgt Ion: 41 Resp: 1785

Ion Ratio Lower Upper

41 100

39 7.7 64.7 97.1#

76 0.0 29.1 43.7#



#16

Acetone

Concen: 5.798 ug/l

RT: 4.412 min Scan# 418

Delta R.T. -0.006 min

Lab File: VN088450.D

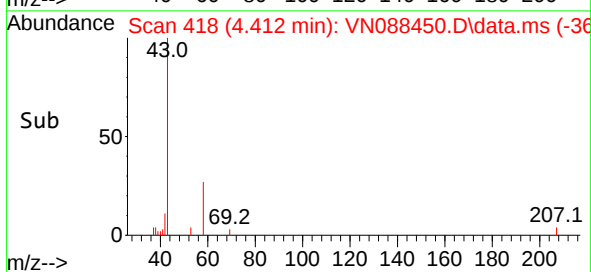
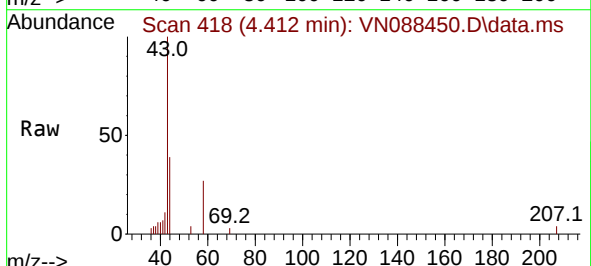
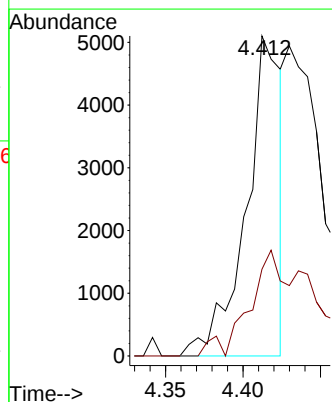
Acq: 04 Dec 2025 16:48

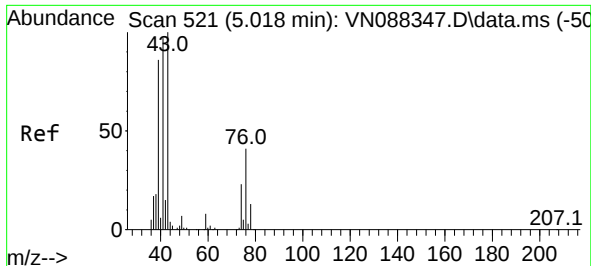
Tgt Ion: 43 Resp: 7969

Ion Ratio Lower Upper

43 100

58 27.1 21.7 32.5

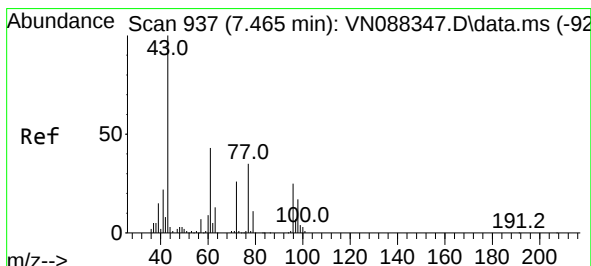
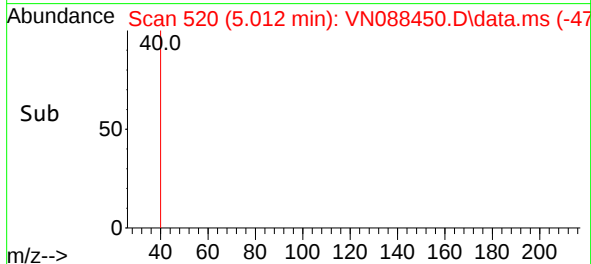
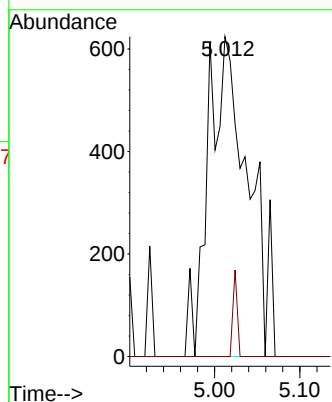
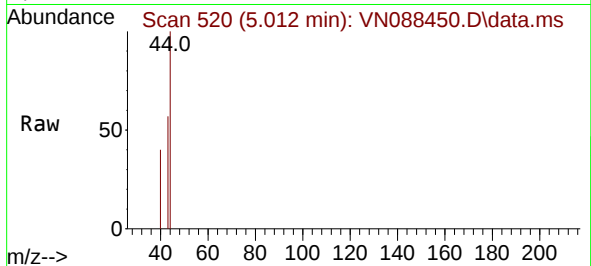




#18
Methyl Acetate
Concen: 0.500 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

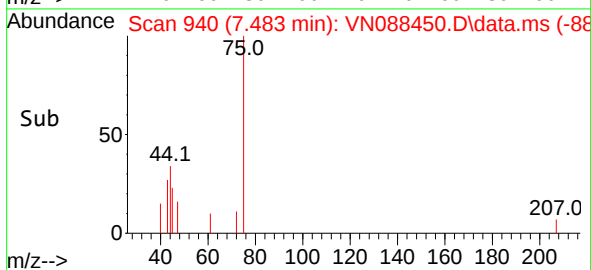
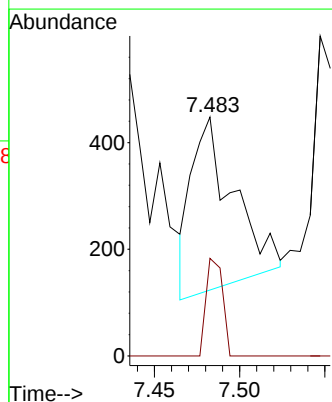
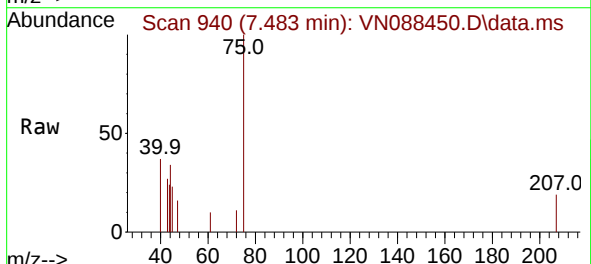
Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

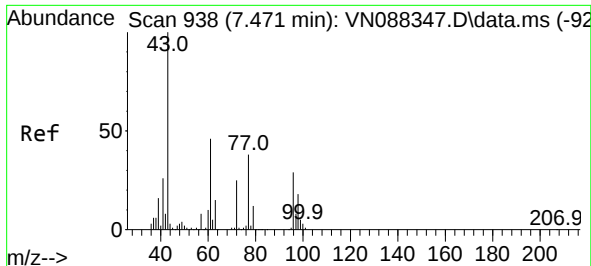
Tgt Ion: 43 Resp: 2046
Ion Ratio Lower Upper
43 100
74 2.9 17.9 26.9#



#25
2-Butanone
Concen: 0.253 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion: 43 Resp: 560
Ion Ratio Lower Upper
43 100
72 27.2 20.5 30.7

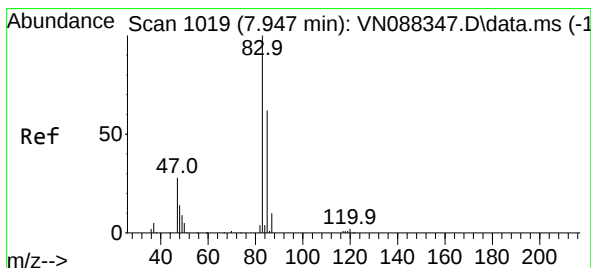
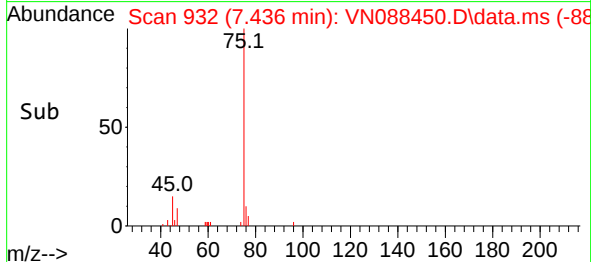
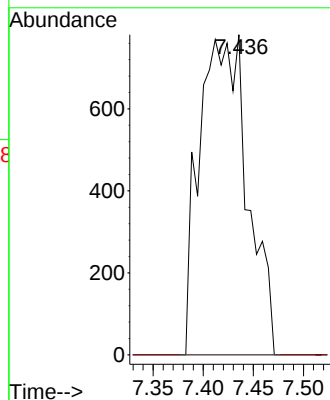
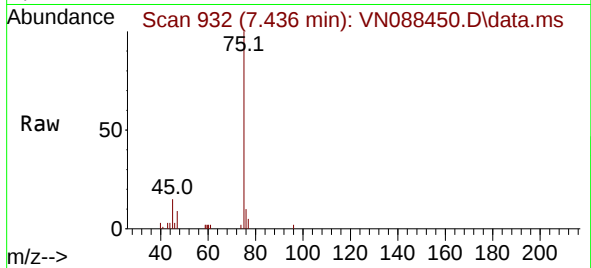




#26
2,2-Dichloropropane
Concen: 0.544 ug/l
RT: 7.436 min Scan# 91
Delta R.T. -0.035 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

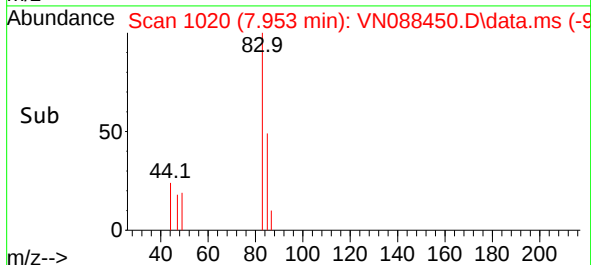
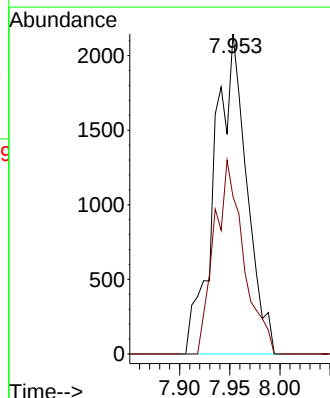
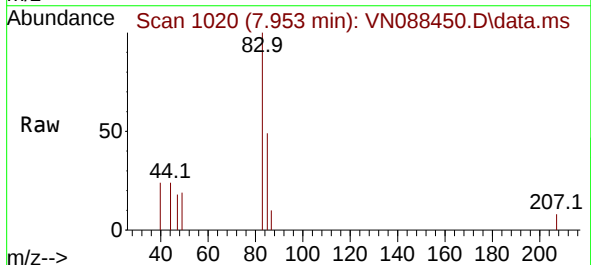
Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

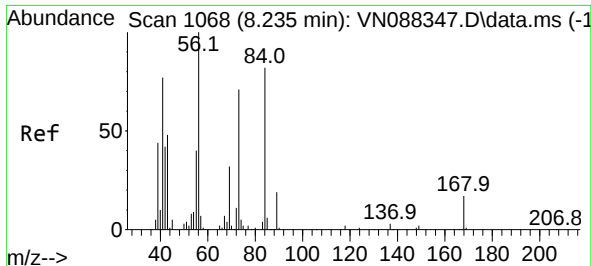
Tgt Ion: 77 Resp: 2589
Ion Ratio Lower Upper
77 100
97 0.0 10.3 30.9#



#30
Chloroform
Concen: 0.890 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion: 83 Resp: 4825
Ion Ratio Lower Upper
83 100
85 49.2 49.8 74.8#

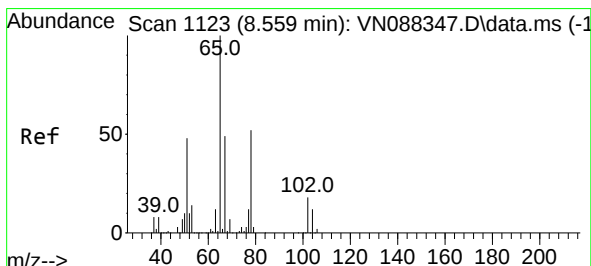
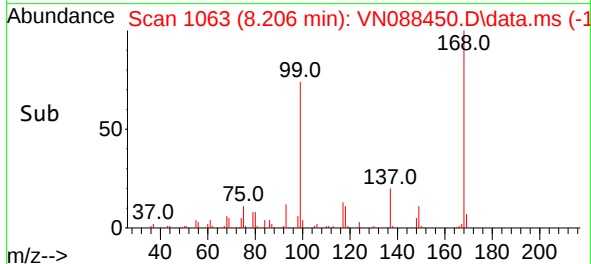
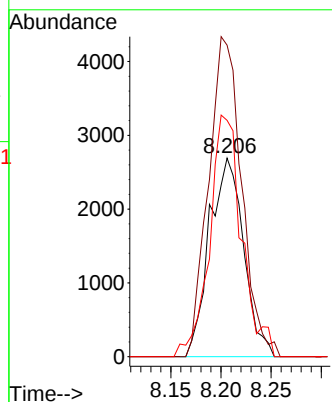
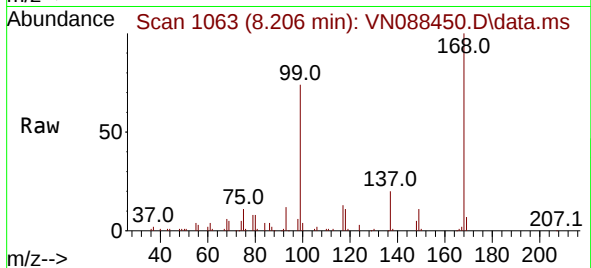




#31
Cyclohexane
Concen: 1.277 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

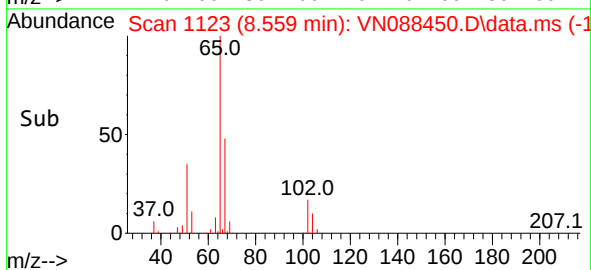
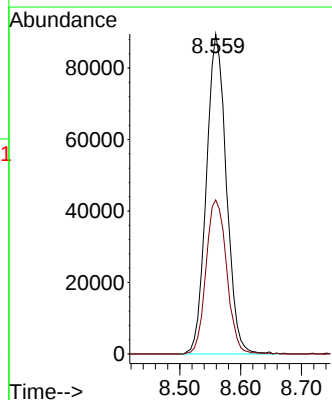
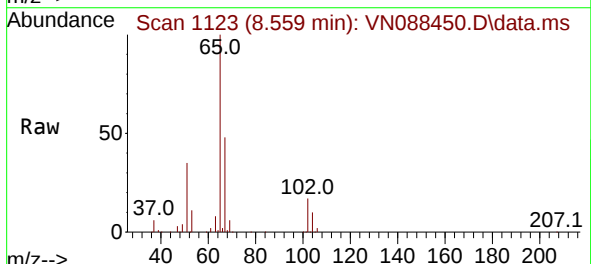
Instrument :
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EB01-120325

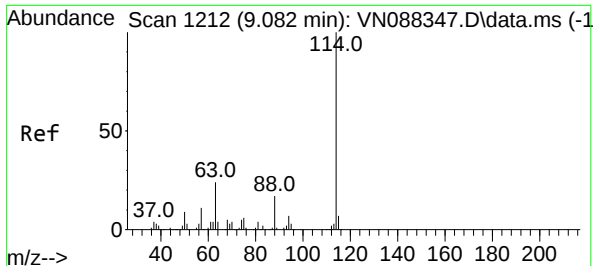
Tgt Ion: 56 Resp: 6383
Ion Ratio Lower Upper
56 100
69 156.9 25.3 37.9#
84 119.0 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 53.633 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion: 65 Resp: 203838
Ion Ratio Lower Upper
65 100
67 49.7 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088450.D

Acq: 04 Dec 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

EB01-120325

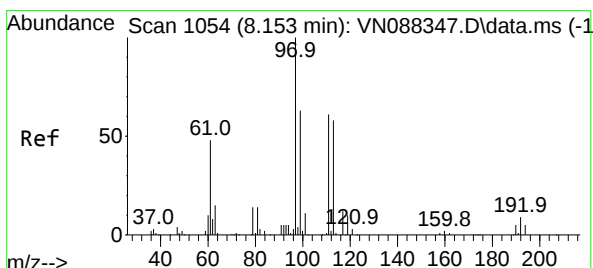
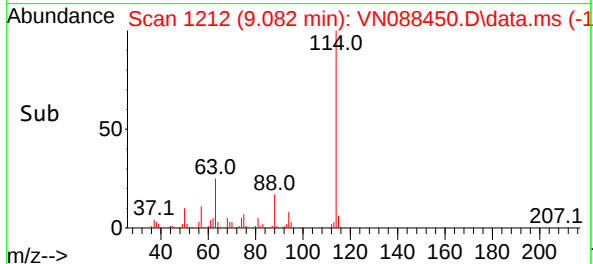
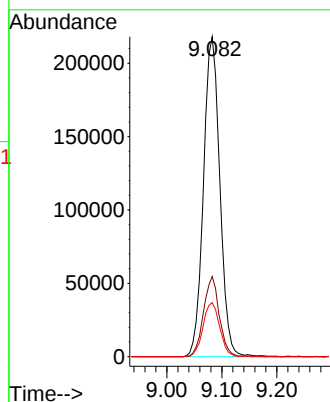
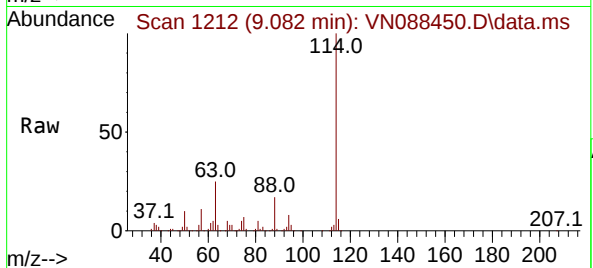
Tgt Ion:114 Resp: 451562

Ion Ratio Lower Upper

114 100

63 25.0 0.0 49.0

88 16.9 0.0 34.0



#35

Dibromofluoromethane

Concen: 46.867 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088450.D

Acq: 04 Dec 2025 16:48

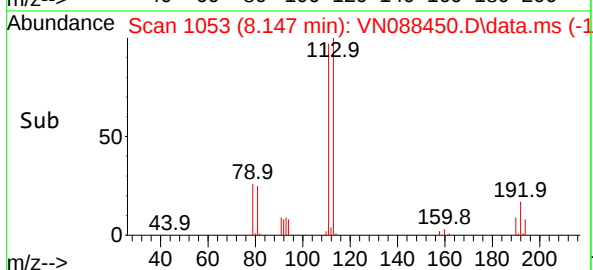
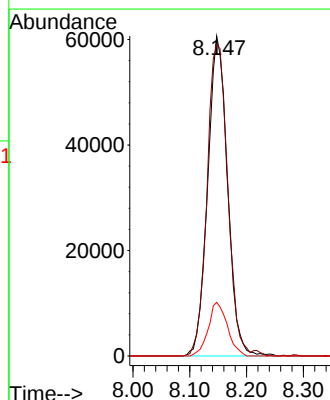
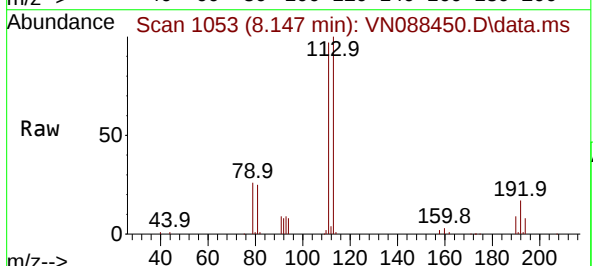
Tgt Ion:113 Resp: 146660

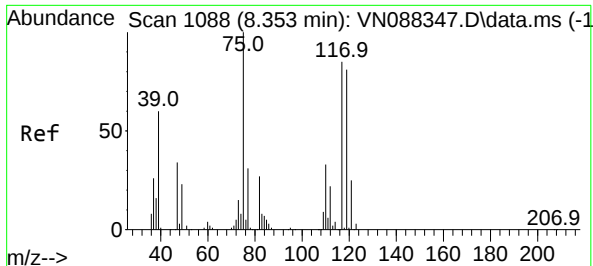
Ion Ratio Lower Upper

113 100

111 101.9 82.5 123.7

192 16.2 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.548 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088450.D

Acq: 04 Dec 2025 16:48

Instrument :

MSVOA_N

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EB01-120325

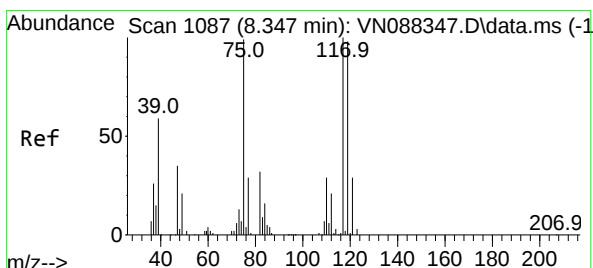
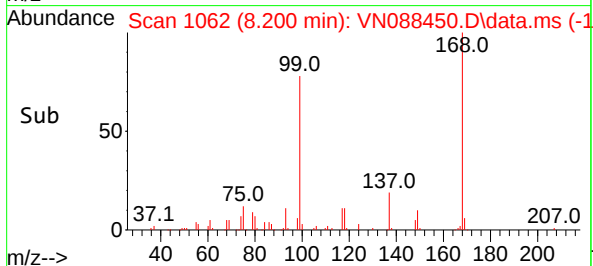
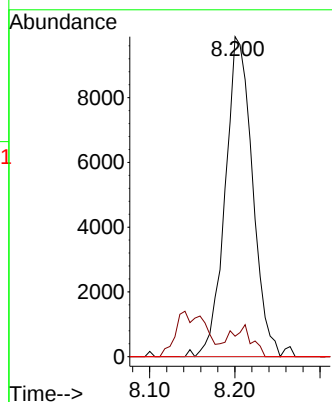
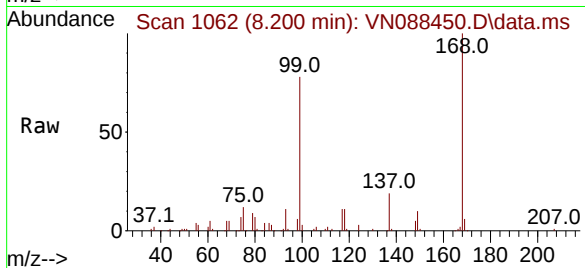
Tgt Ion: 75 Resp: 21967

Ion Ratio Lower Upper

75 100

110 7.8 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.977 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN088450.D

Acq: 04 Dec 2025 16:48

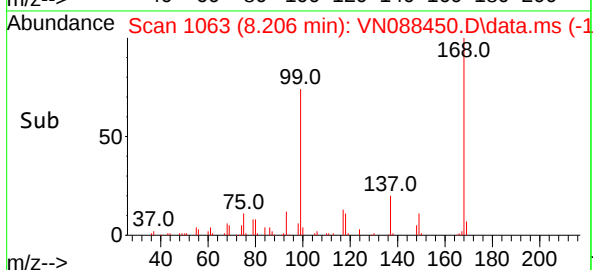
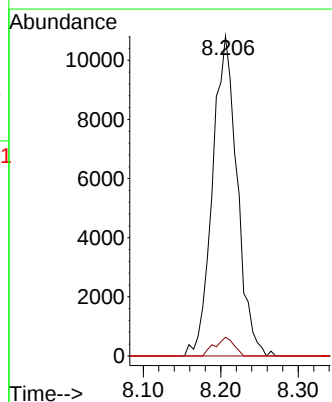
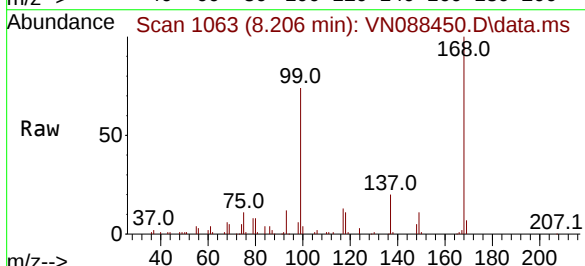
Tgt Ion: 117 Resp: 23930

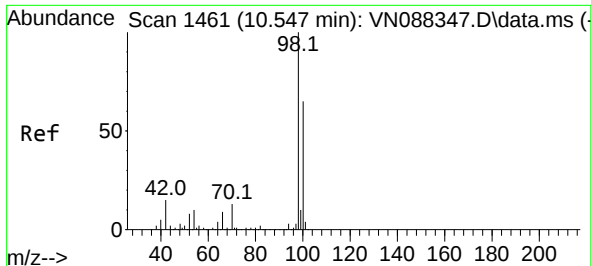
Ion Ratio Lower Upper

117 100

119 5.8 78.2 117.4#

121 0.0 23.4 35.2#

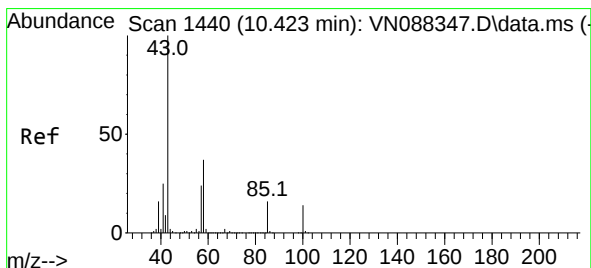
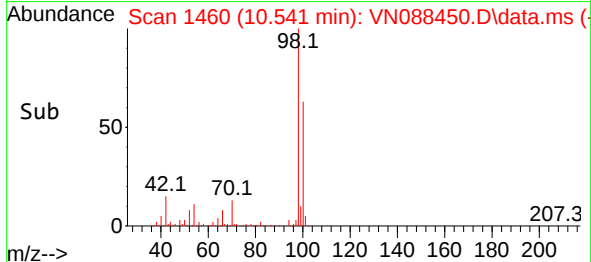
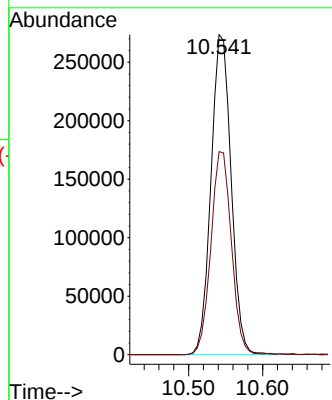
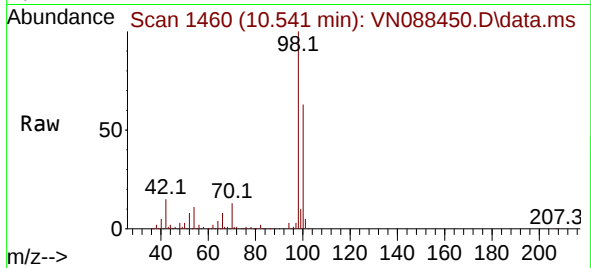




#50
Toluene-d8
Concen: 44.349 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

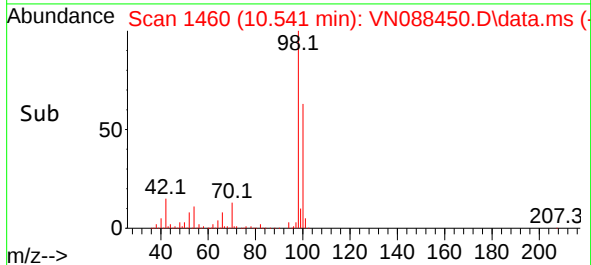
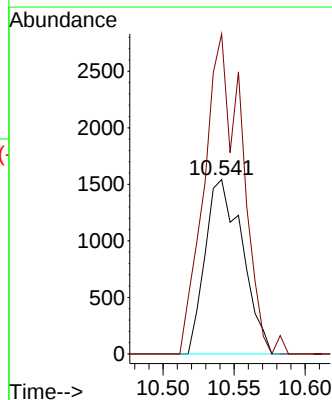
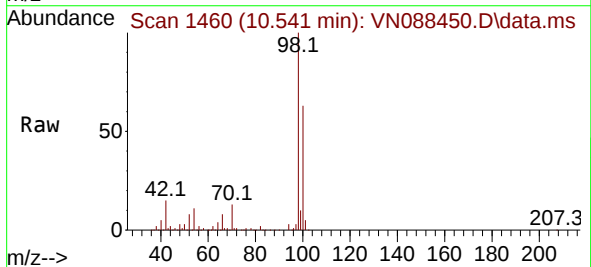
Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

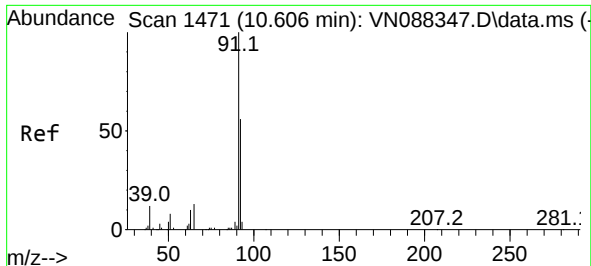
Tgt Ion: 98 Resp: 516378
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.491 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. 0.118 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion: 43 Resp: 2809
Ion Ratio Lower Upper
43 100
58 186.5 29.1 43.7#

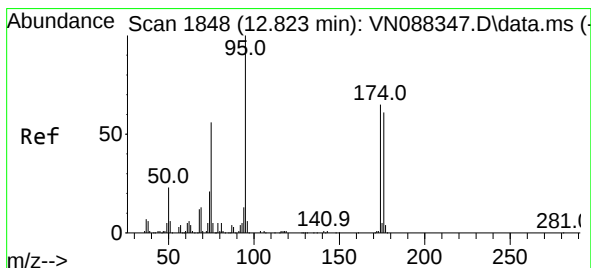
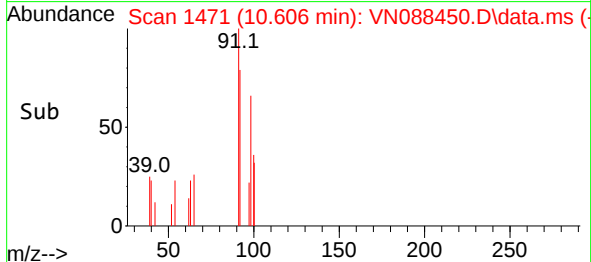
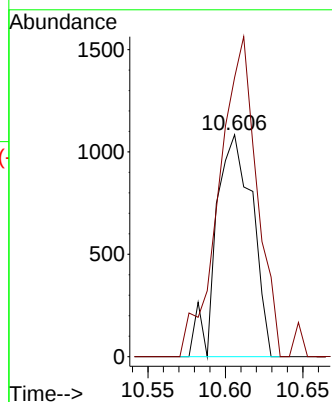
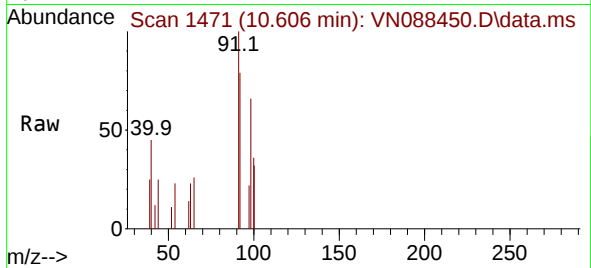




#52
Toluene
Concen: 0.216 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

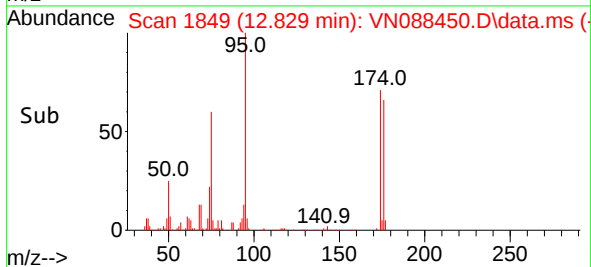
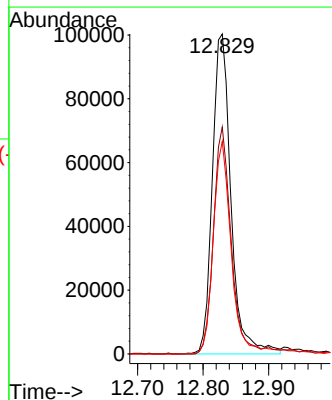
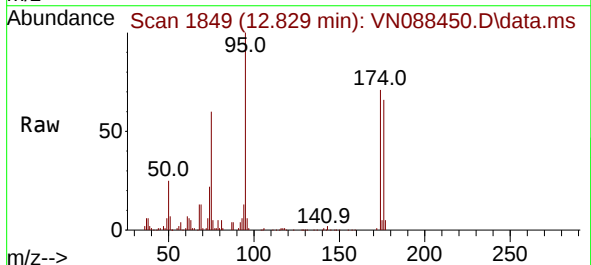
Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

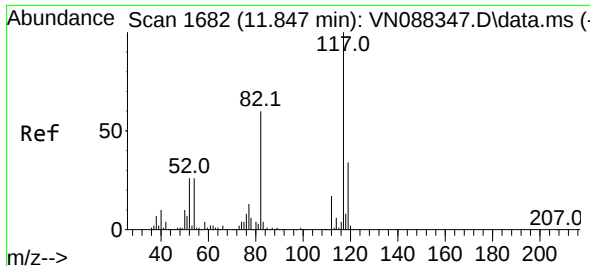
Tgt Ion: 92 Resp: 1764
Ion Ratio Lower Upper
92 100
91 149.9 140.2 210.2



#62
4-Bromofluorobenzene
Concen: 49.526 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion: 95 Resp: 197862
Ion Ratio Lower Upper
95 100
174 66.5 0.0 139.0
176 64.3 0.0 132.4

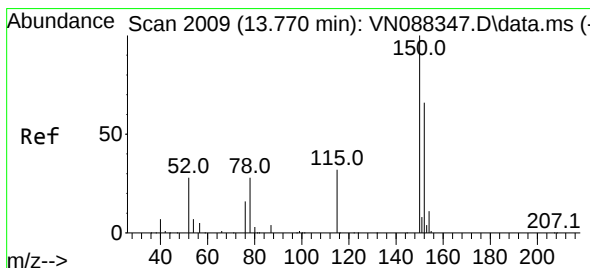
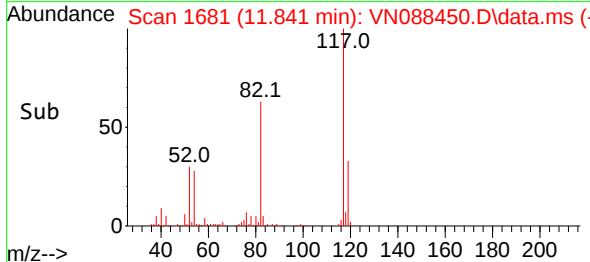
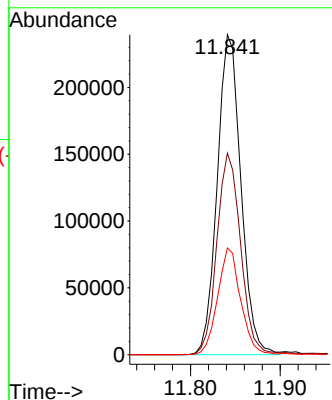
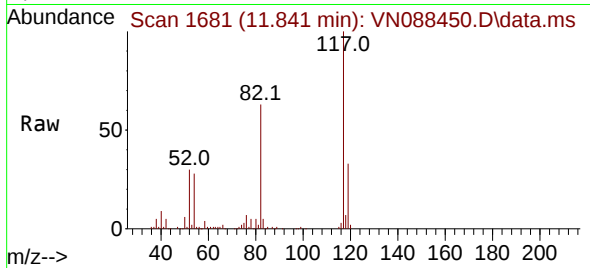




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

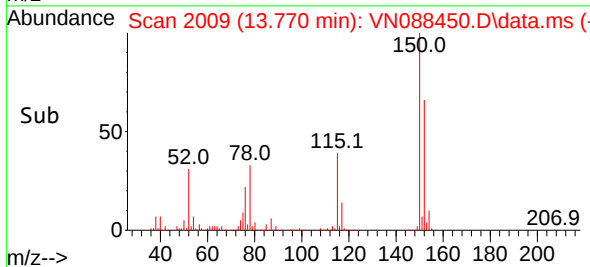
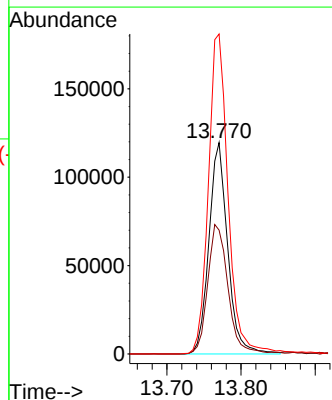
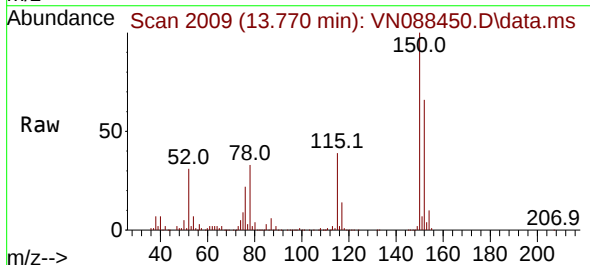
Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

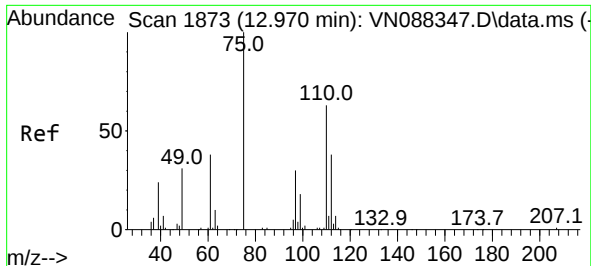
Tgt Ion:117 Resp: 439722
Ion Ratio Lower Upper
117 100
82 63.0 47.8 71.8
119 33.4 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion:152 Resp: 210586
Ion Ratio Lower Upper
152 100
115 66.3 33.0 98.9
150 160.2 0.0 349.0

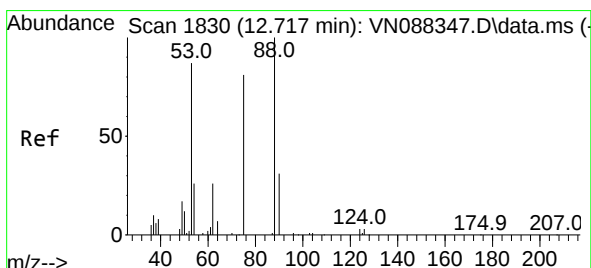
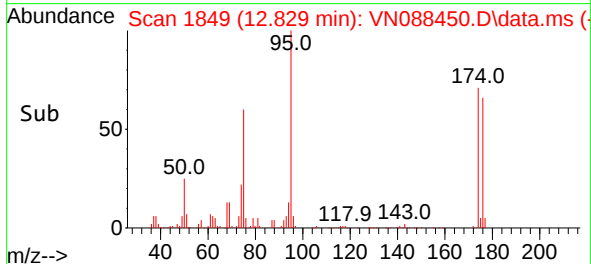
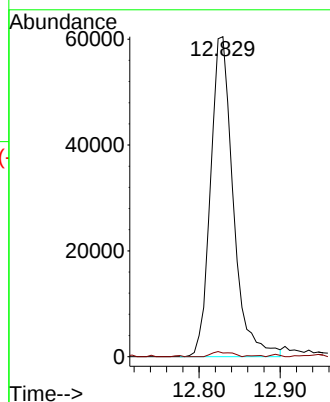
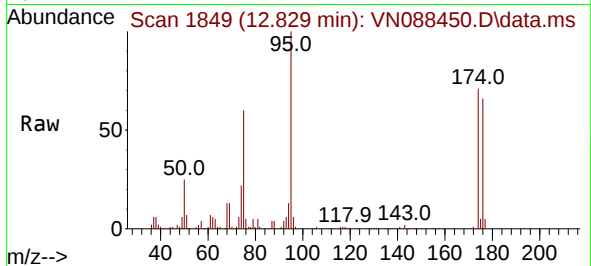




#76
1,2,3-Trichloropropane
Concen: 23.801 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Instrument :
MSVOA_N
ClientSampleId :
EB01-120325

Tgt Ion: 75 Resp: 117393
Ion Ratio Lower Upper
75 100
77 1.4 87.2 261.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.522 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088450.D
Acq: 04 Dec 2025 16:48

Tgt Ion: 75 Resp: 117393
Ion Ratio Lower Upper
75 100
53 0.1 92.2 138.4#
89 0.0 0.0 0.0

