

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088492.D
 Acq On : 10 Dec 2025 12:23
 Operator : JC\MD
 Sample : Q3813-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BR-04DR-451-120825

Quant Time: Dec 11 02:05:49 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)

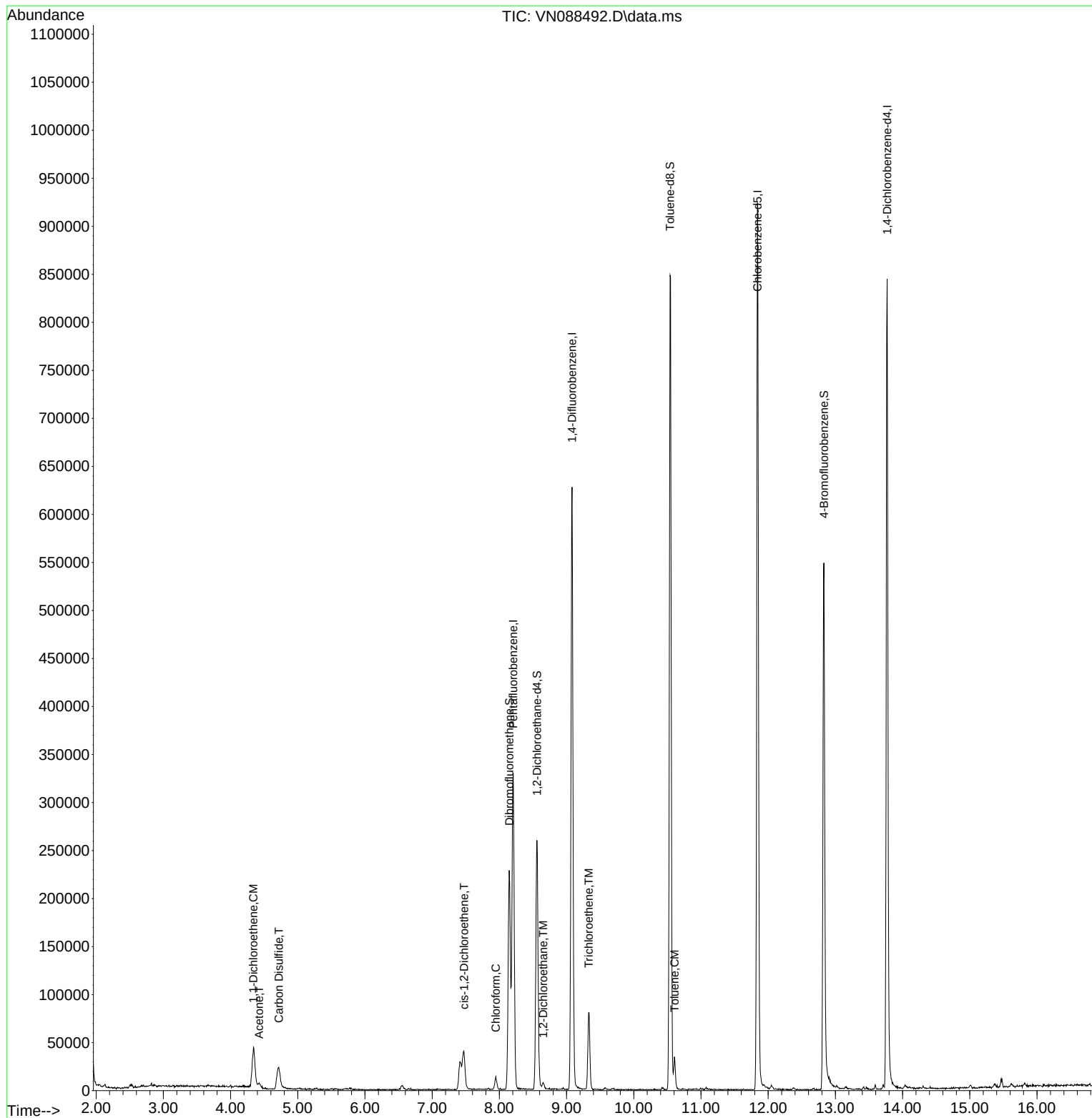
Internal Standards						
1) Pentafluorobenzene	8.206	168	212180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	494367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	485409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	222072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	226563	56.683	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	113.360%	
35) Dibromofluoromethane	8.147	113	160883	46.960	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	93.920%	
50) Toluene-d8	10.541	98	572596	44.919	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	89.840%	
62) 4-Bromofluorobenzene	12.829	95	202603	46.322	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	92.640%	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.342	96	21494	8.303	ug/l	92
16) Acetone	4.424	43	9616	6.652	ug/l	98
17) Carbon Disulfide	4.718	76	16408	1.940	ug/l #	89
27) cis-1,2-Dichloroethene	7.477	96	21872	6.563	ug/l	92
30) Chloroform	7.947	83	11629	2.040	ug/l #	81
42) 1,2-Dichloroethane	8.653	62	6039	1.020	ug/l	99
44) Trichloroethene	9.329	130	26716	7.286	ug/l	96
52) Toluene	10.606	92	12084	1.349	ug/l	98

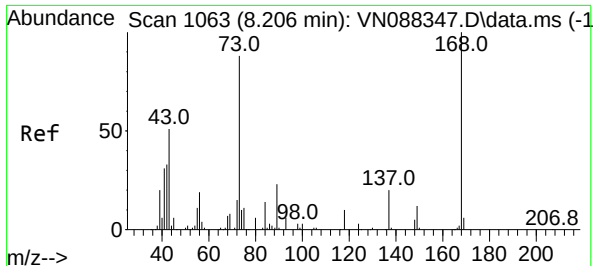
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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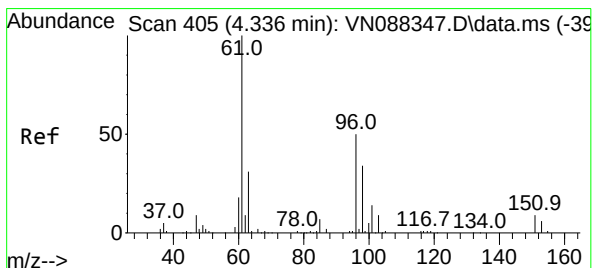
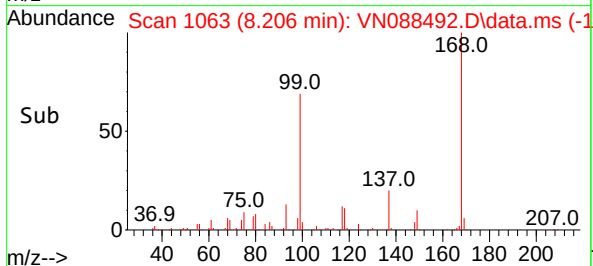
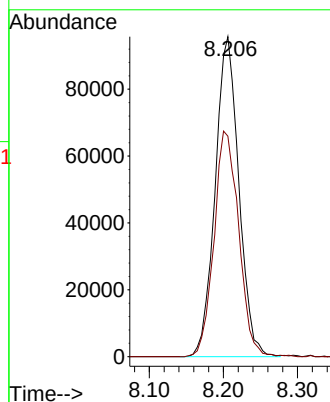
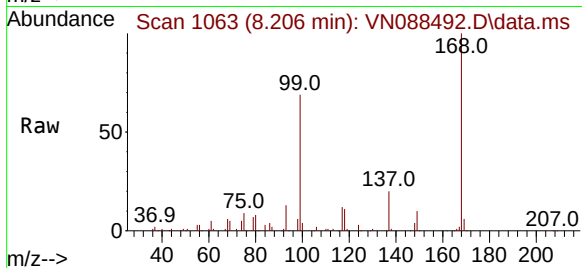




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

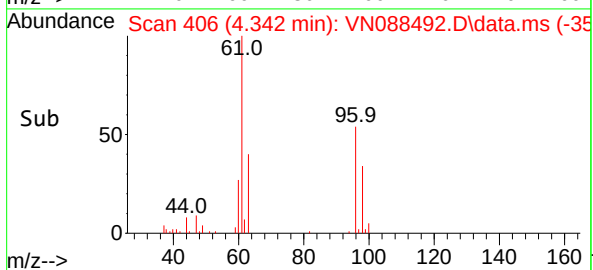
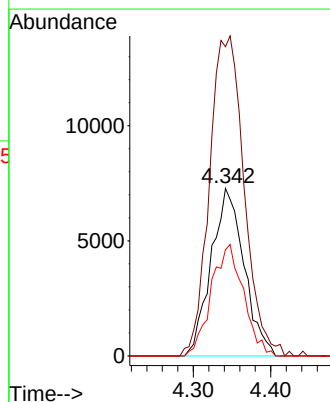
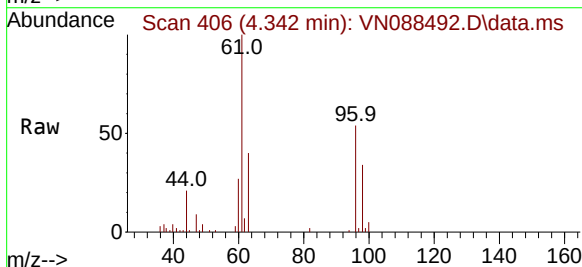
Instrument :
MSVOA_N
ClientSampleId :
BR-04DR-451-120825

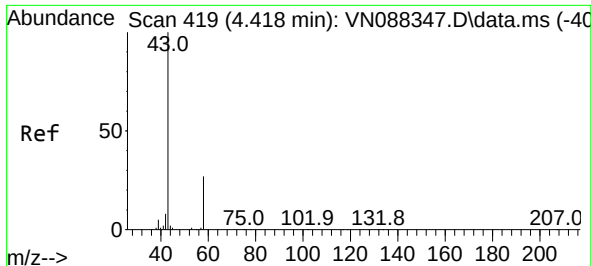
Tgt Ion:168 Resp: 212180
Ion Ratio Lower Upper
168 100
99 68.9 57.1 85.7



#12
1,1-Dichloroethene
Concen: 8.303 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

Tgt Ion: 96 Resp: 21494
Ion Ratio Lower Upper
96 100
61 184.5 159.1 238.7
98 63.4 53.7 80.5

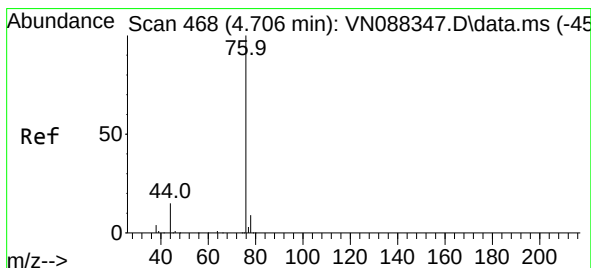
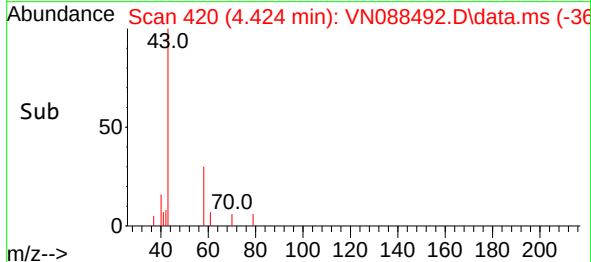
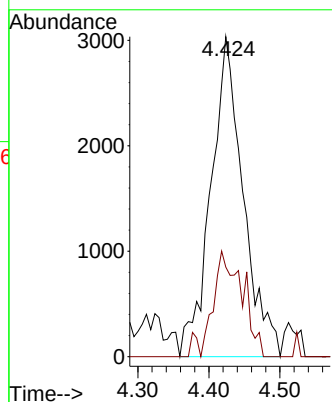
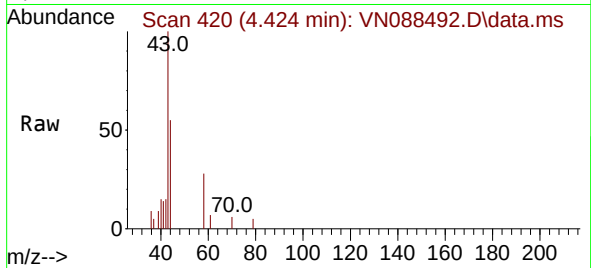




#16
Acetone
Concen: 6.652 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

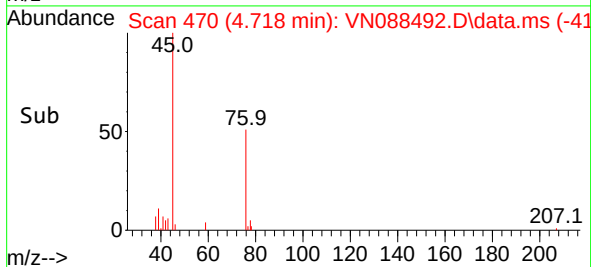
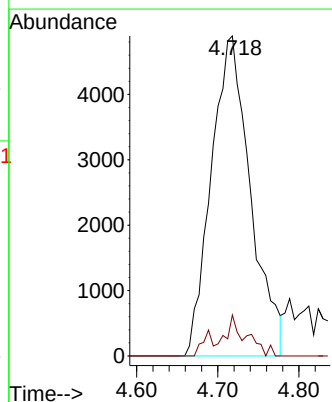
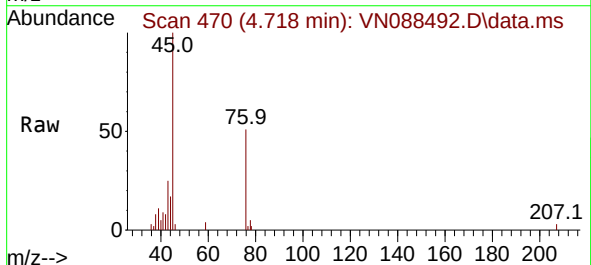
Instrument :
MSVOA_N
ClientSampleId :
BR-04DR-451-120825

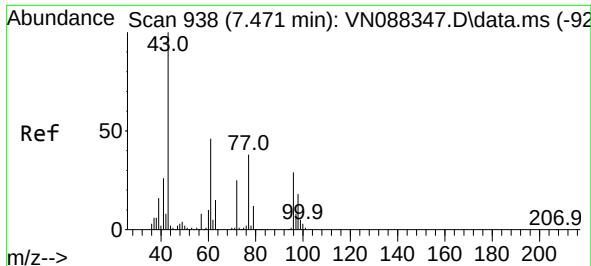
Tgt Ion: 43 Resp: 9616
Ion Ratio Lower Upper
43 100
58 28.0 21.7 32.5



#17
Carbon Disulfide
Concen: 1.940 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.012 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

Tgt Ion: 76 Resp: 16408
Ion Ratio Lower Upper
76 100
78 12.8 7.0 10.4#

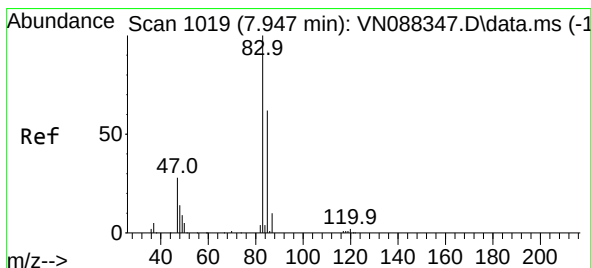
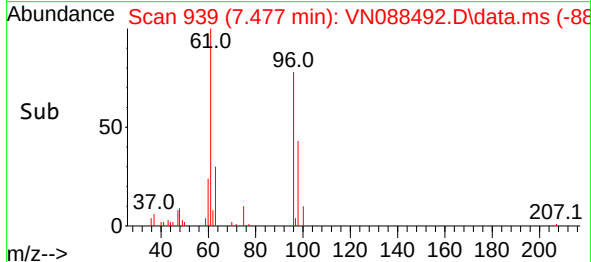
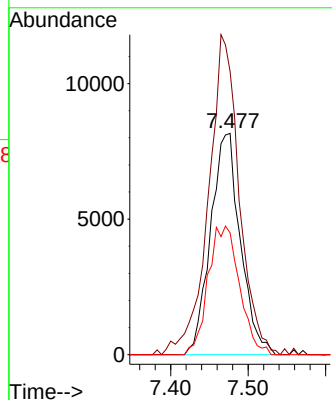
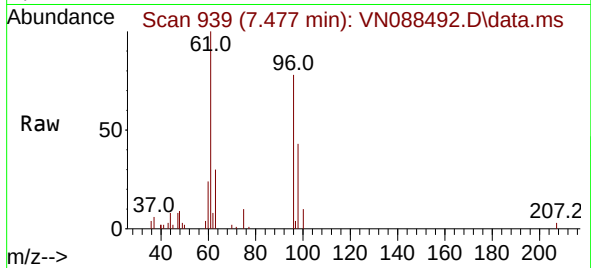




#27
 cis-1,2-Dichloroethene
 Concen: 6.563 ug/l
 RT: 7.477 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN088492.D
 Acq: 10 Dec 2025 12:23

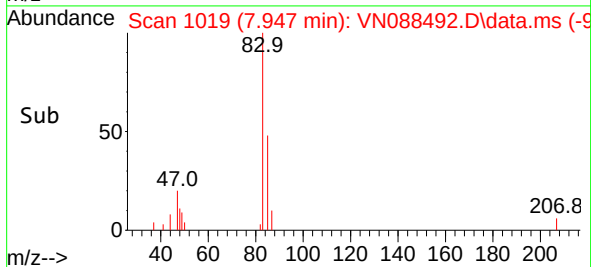
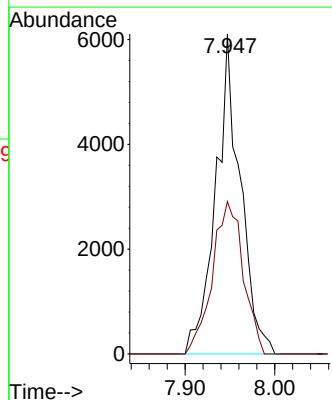
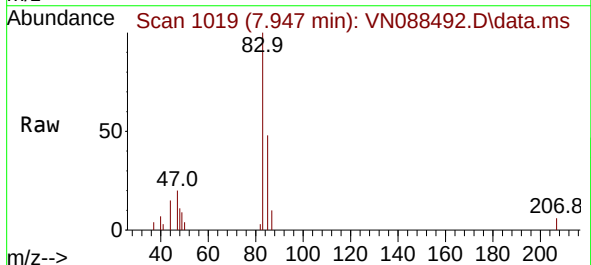
Instrument :
 MSVOA_N
 ClientSampleId :
 BR-04DR-451-120825

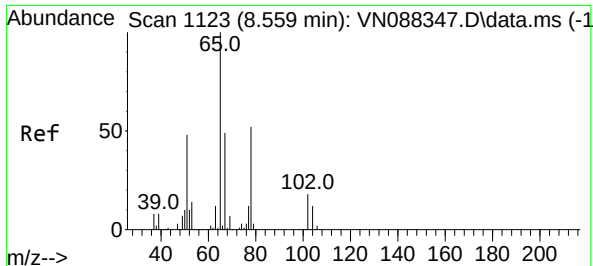
Tgt Ion: 96 Resp: 21872
 Ion Ratio Lower Upper
 96 100
 61 148.9 0.0 323.6
 98 61.1 0.0 127.2



#30
 Chloroform
 Concen: 2.040 ug/l
 RT: 7.947 min Scan# 1019
 Delta R.T. 0.000 min
 Lab File: VN088492.D
 Acq: 10 Dec 2025 12:23

Tgt Ion: 83 Resp: 11629
 Ion Ratio Lower Upper
 83 100
 85 47.6 49.8 74.8#





#33

1,2-Dichloroethane-d4

Concen: 56.683 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088492.D

Acq: 10 Dec 2025 12:23

Instrument :

MSVOA_N

ClientSampleId :

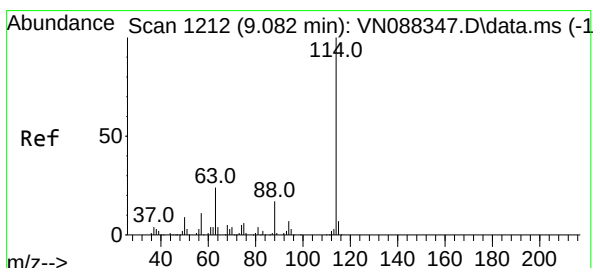
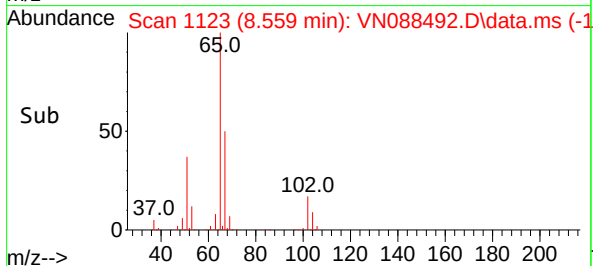
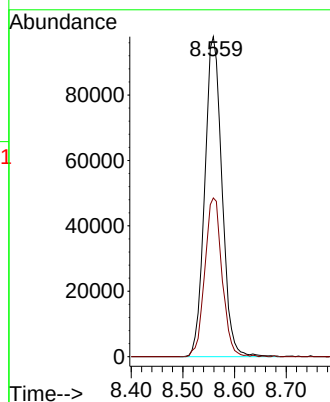
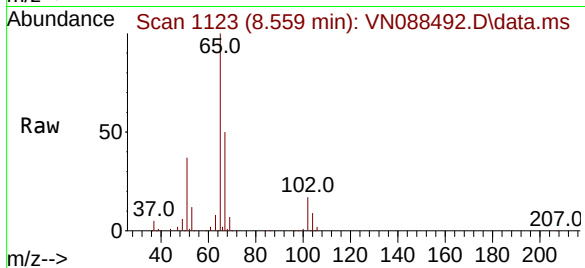
BR-04DR-451-120825

Tgt Ion: 65 Resp: 226563

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# 1212

Delta R.T. 0.000 min

Lab File: VN088492.D

Acq: 10 Dec 2025 12:23

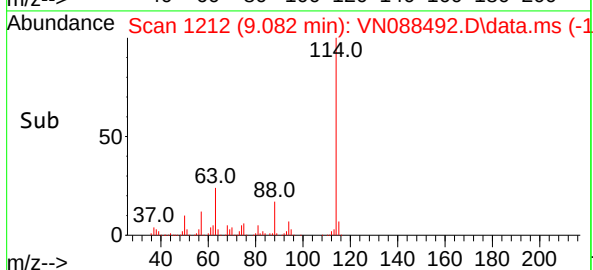
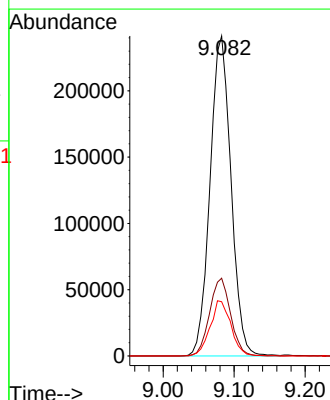
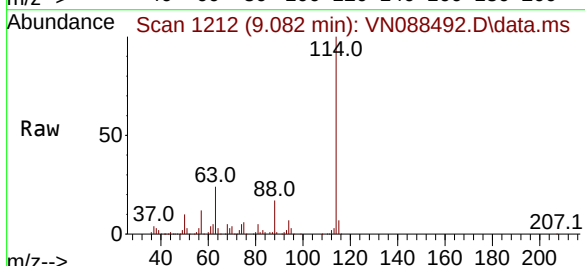
Tgt Ion: 114 Resp: 494367

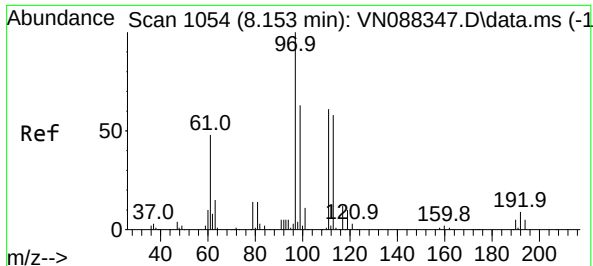
Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.0

88 16.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.960 ug/l

RT: 8.147 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VN088492.D

Acq: 10 Dec 2025 12:23

Instrument :

MSVOA_N

ClientSampleId :

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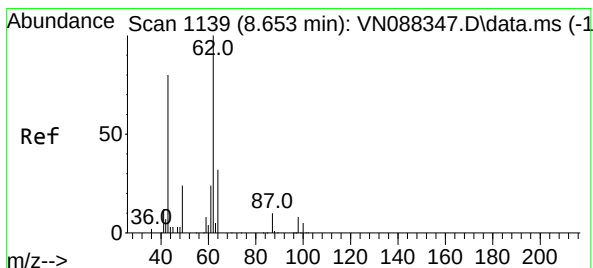
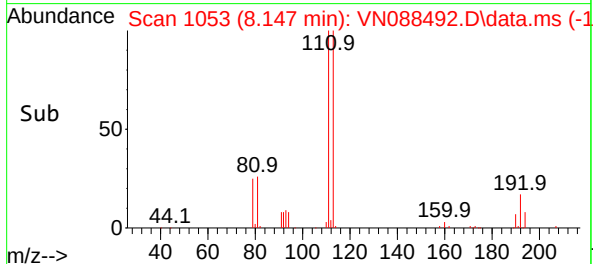
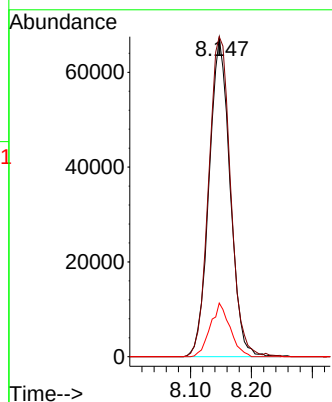
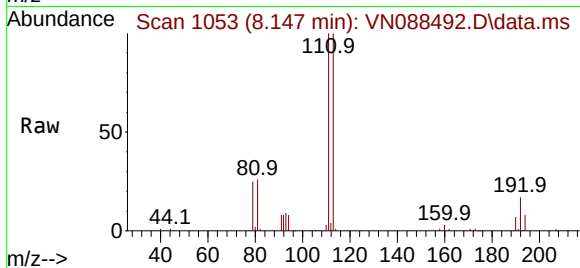
Tgt Ion:113 Resp: 160883

Ion Ratio Lower Upper

113 100

111 104.8 82.5 123.7

192 15.8 12.8 19.2



#42

1,2-Dichloroethane

Concen: 1.020 ug/l

RT: 8.653 min Scan# 1139

Delta R.T. 0.000 min

Lab File: VN088492.D

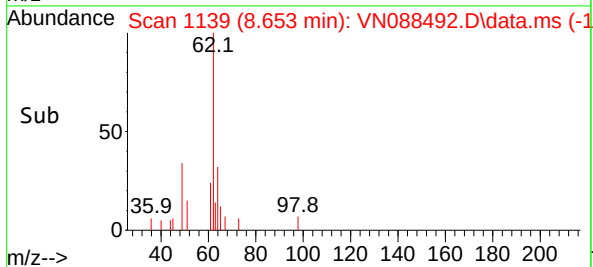
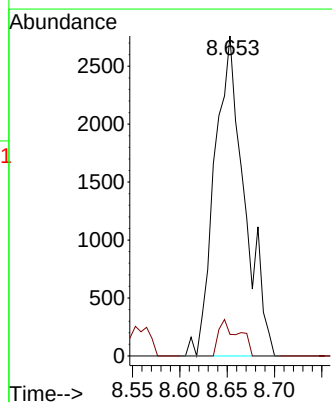
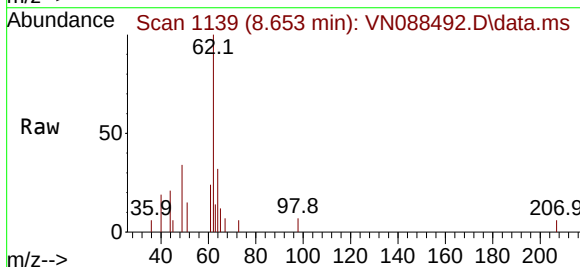
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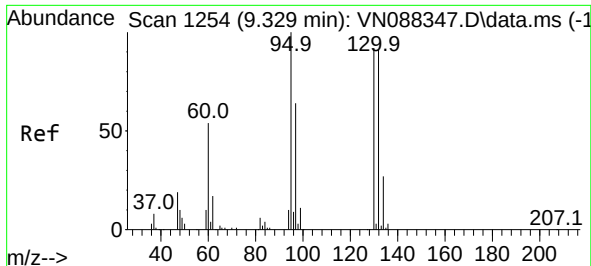
Tgt Ion: 62 Resp: 6039

Ion Ratio Lower Upper

62 100

98 7.7 0.0 16.2

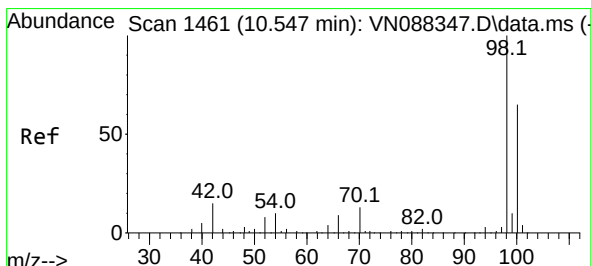
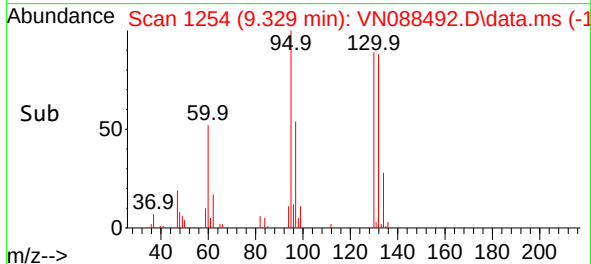
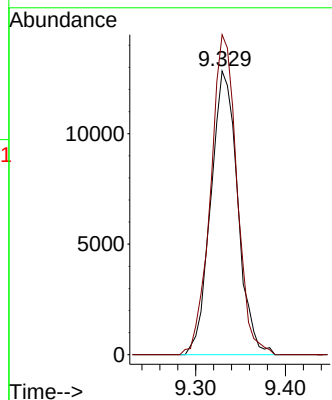
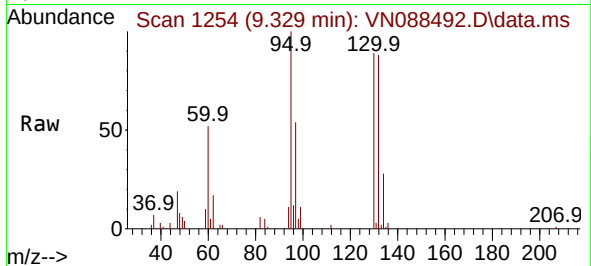




#44
Trichloroethene
Concen: 7.286 ug/l
RT: 9.329 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

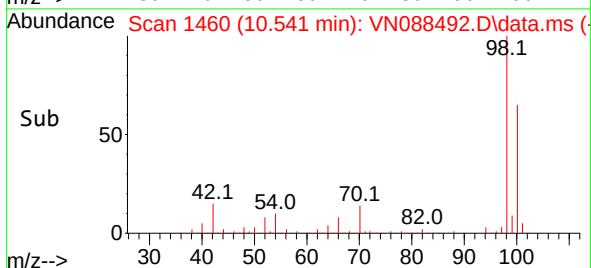
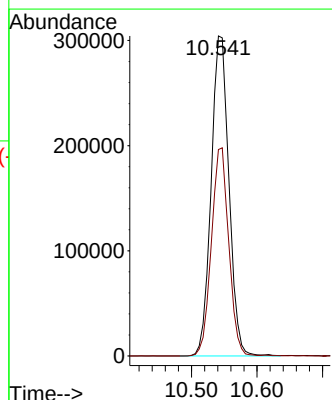
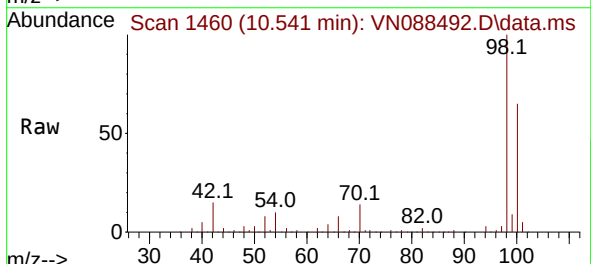
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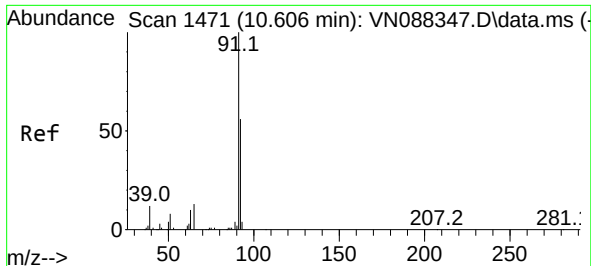
Tgt Ion:130 Resp: 26716
Ion Ratio Lower Upper
130 100
95 112.8 0.0 217.0



#50
Toluene-d8
Concen: 44.919 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

Tgt Ion: 98 Resp: 572596
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2

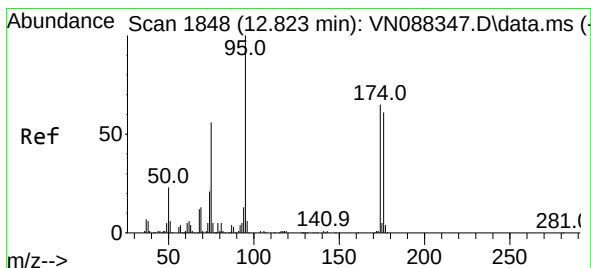
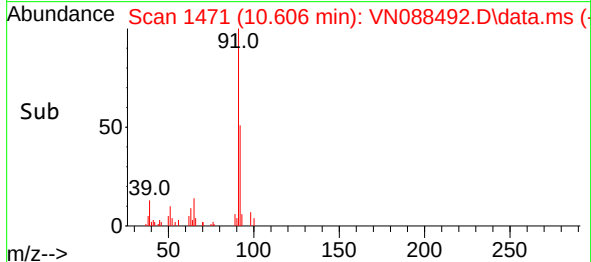
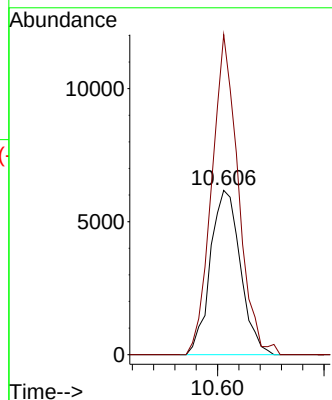
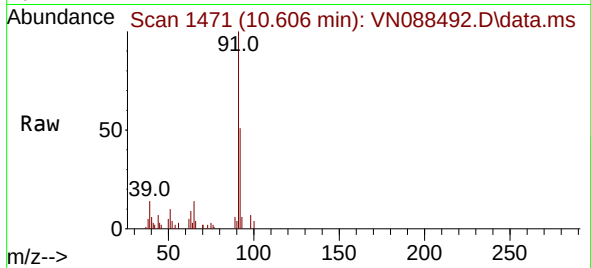




#52
Toluene
Concen: 1.349 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

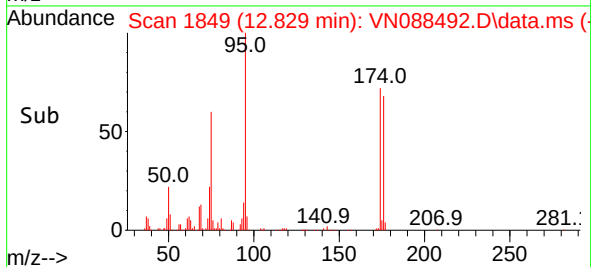
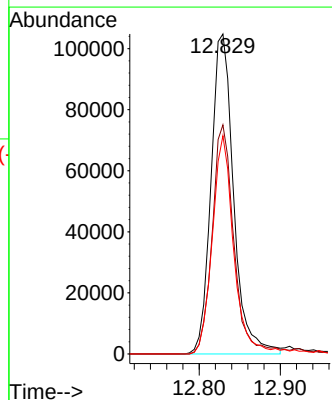
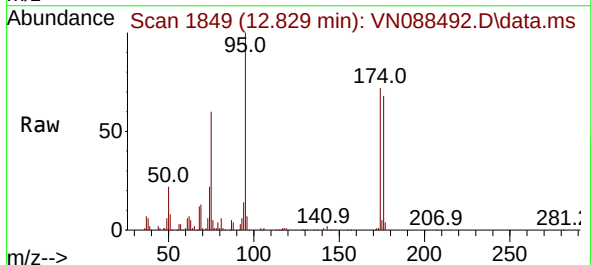
Instrument :
MSVOA_N
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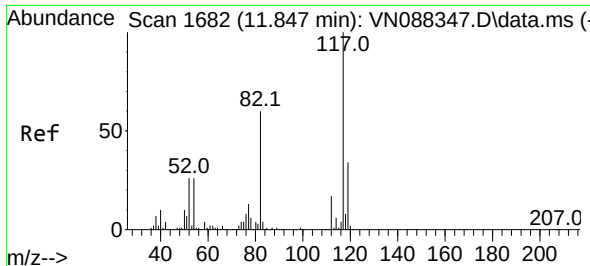
Tgt Ion: 92 Resp: 12084
Ion Ratio Lower Upper
92 100
91 172.2 140.2 210.2



#62
4-Bromofluorobenzene
Concen: 46.322 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

Tgt Ion: 95 Resp: 202603
Ion Ratio Lower Upper
95 100
174 69.2 0.0 139.0
176 65.5 0.0 132.4

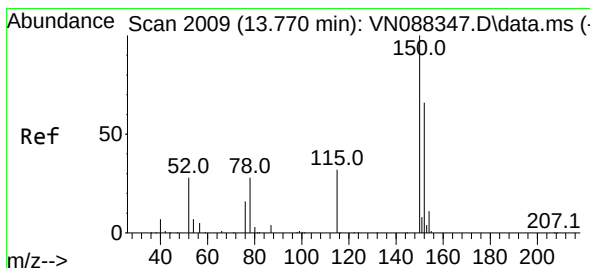
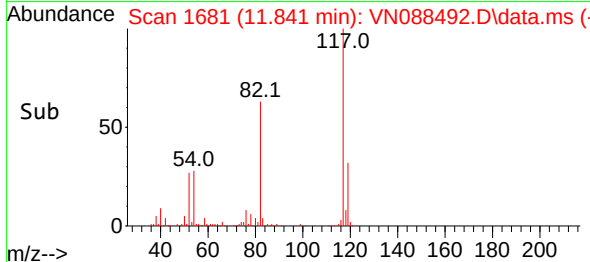
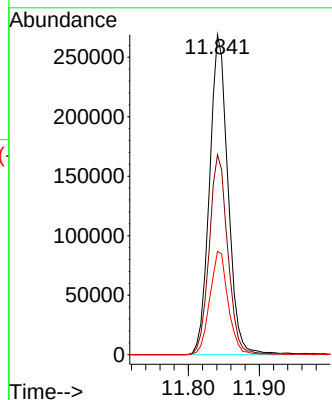
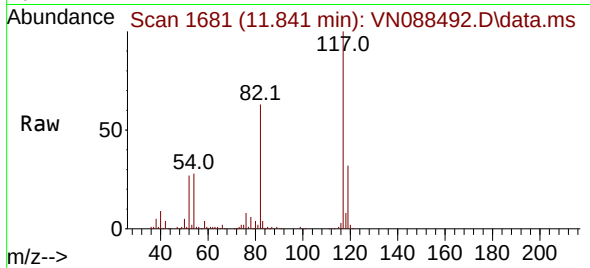




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088492.D
Acq: 10 Dec 2025 12:23

Instrument :
MSVOA_N
ClientSampleId :
BR-04DR-451-120825

Tgt Ion:117 Resp: 485409
Ion Ratio Lower Upper
117 100
82 62.5 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: VN088492.D
Acq: 10 Dec 2025 12:23

Tgt Ion:152 Resp: 222072
Ion Ratio Lower Upper
152 100
115 65.6 33.0 98.9
150 156.6 0.0 349.0

