

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088452.D
 Acq On : 04 Dec 2025 17:29
 Operator : JC\MD
 Sample : Q3757-03 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BR-03D-490-120325

Quant Time: Dec 05 00:18:48 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)

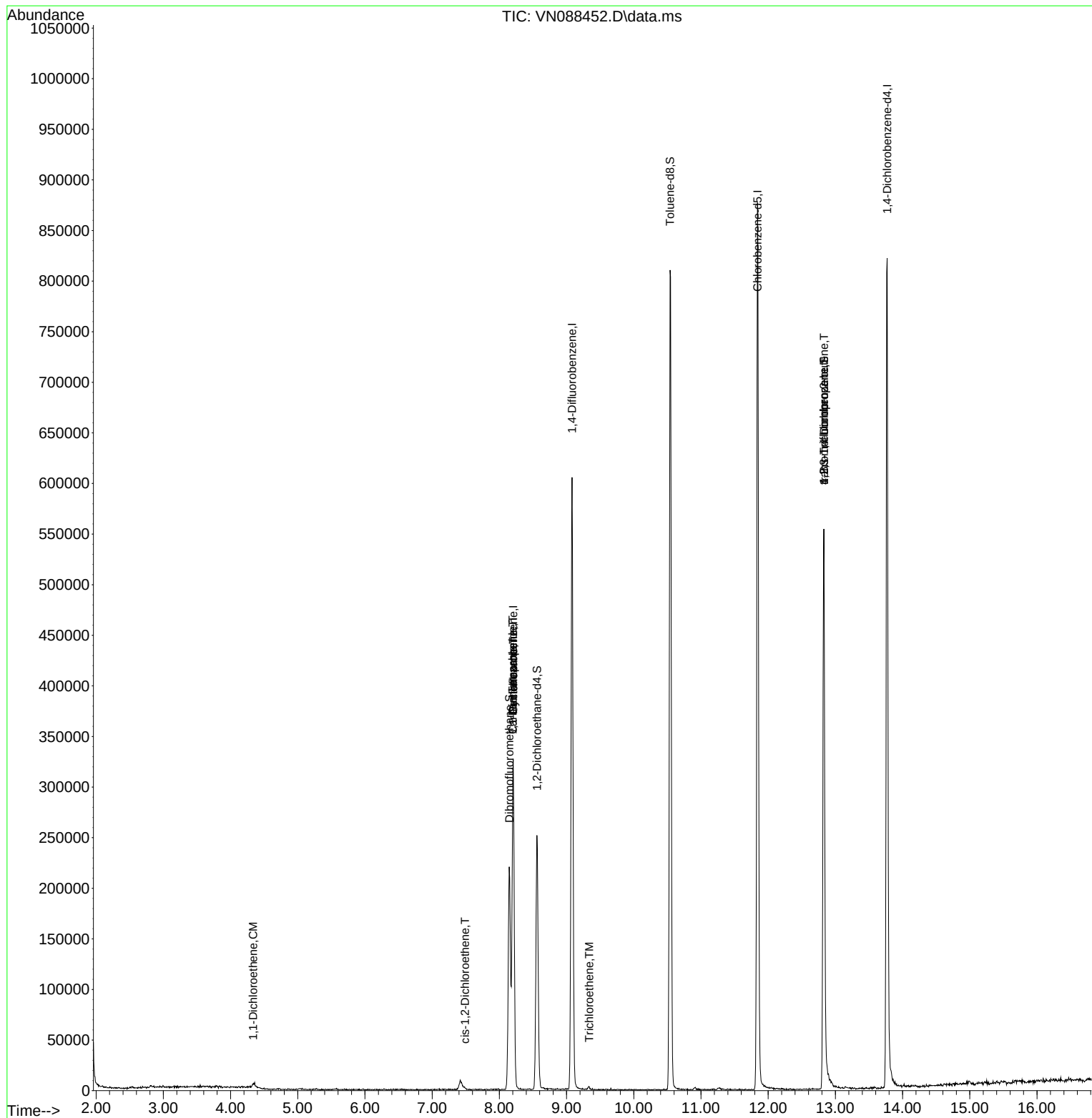
Internal Standards						
1) Pentafluorobenzene	8.206	168	204906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	477681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	464655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	216573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	217079	56.238	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	112.480%	
35) Dibromofluoromethane	8.147	113	154647	46.717	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	93.440%	
50) Toluene-d8	10.541	98	550915	44.728	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	89.460%	
62) 4-Bromofluorobenzene	12.829	95	208569	49.352	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	98.700%	
Target Compounds						
						Qvalue
12) 1,1-Dichloroethene	4.336	96	856	0.342	ug/l	81
27) cis-1,2-Dichloroethene	7.488	96	1293	0.402	ug/l	74
31) Cyclohexane	8.206	56	6615	1.303	ug/l #	17
36) 1,1-Dichloropropene	8.200	75	22641	4.432	ug/l #	52
38) Carbon Tetrachloride	8.200	117	24490	4.815	ug/l #	15
44) Trichloroethene	9.335	130	908	0.256	ug/l	83
76) 1,2,3-Trichloropropane	12.829	75	124150	24.475	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	124150	69.434	ug/l #	1

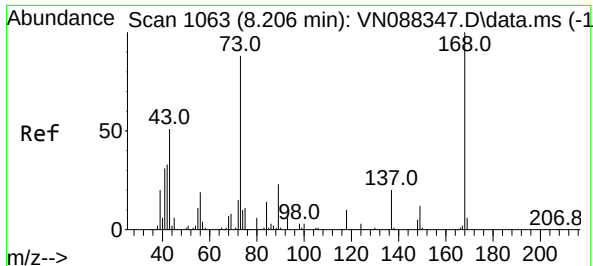
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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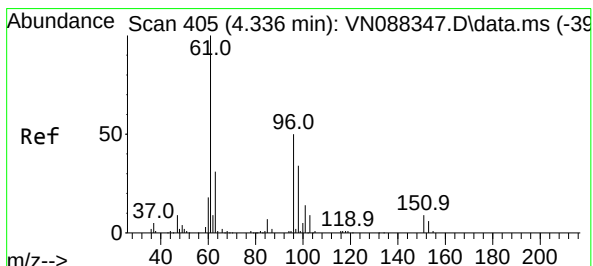
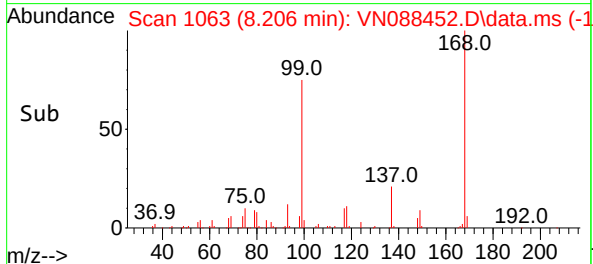
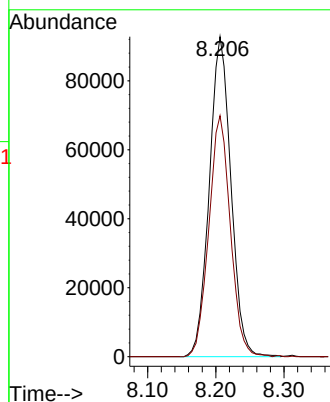
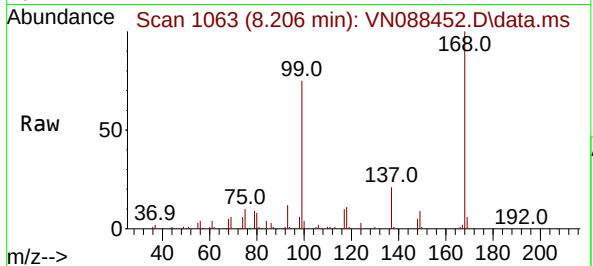




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088452.D
Acq: 04 Dec 2025 17:29

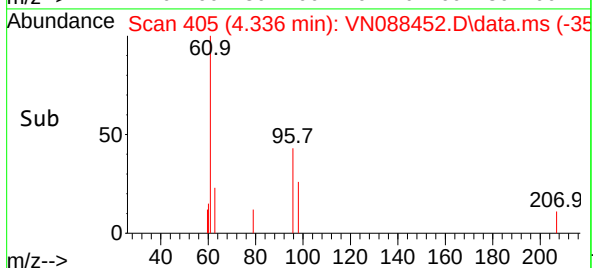
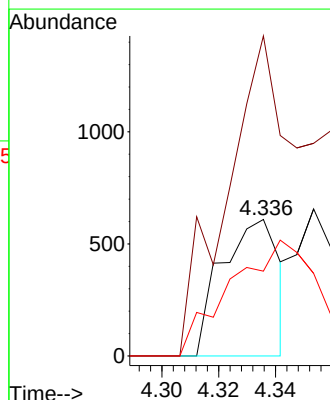
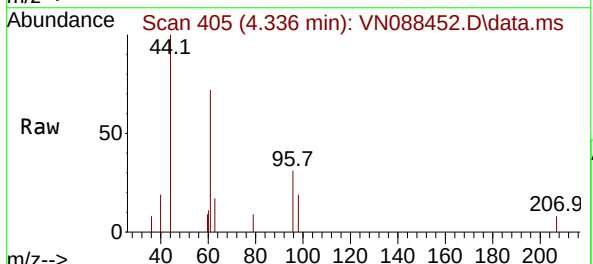
Instrument :
MSVOA_N
ClientSampleId :
BR-03D-490-120325

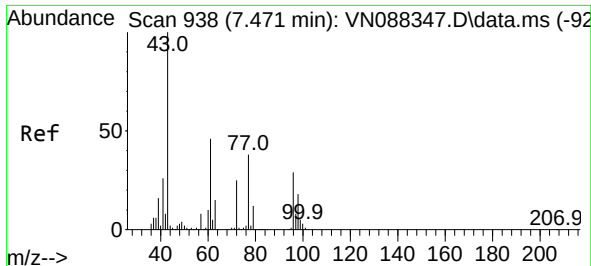
Tgt Ion:168 Resp: 204906
Ion Ratio Lower Upper
168 100
99 75.3 57.1 85.7



#12
1,1-Dichloroethene
Concen: 0.342 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN088452.D
Acq: 04 Dec 2025 17:29

Tgt Ion: 96 Resp: 856
Ion Ratio Lower Upper
96 100
61 234.5 159.1 238.7
98 62.1 53.7 80.5

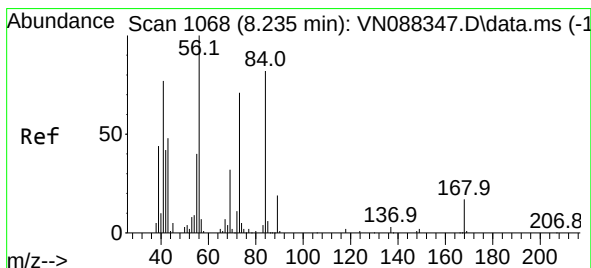
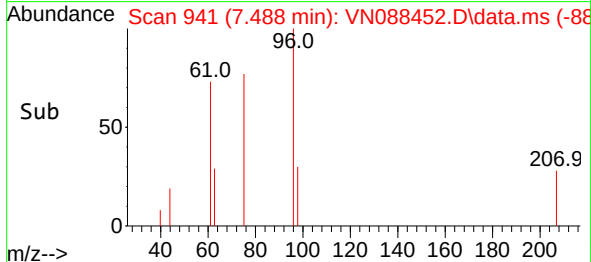
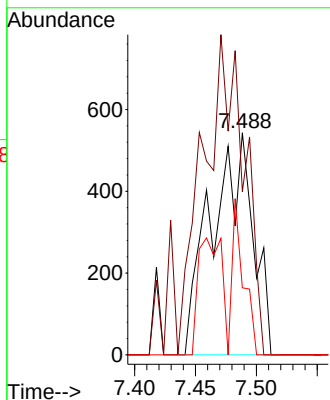
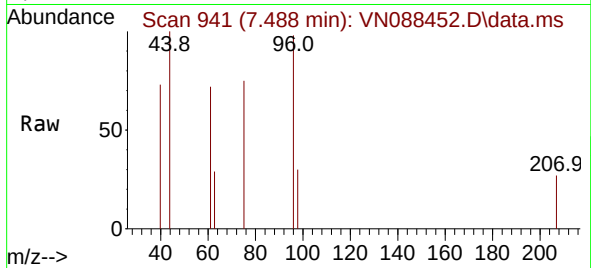




#27
 cis-1,2-Dichloroethene
 Concen: 0.402 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.018 min
 Lab File: VN088452.D
 Acq: 04 Dec 2025 17:29

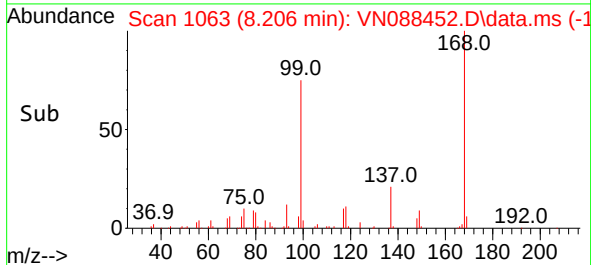
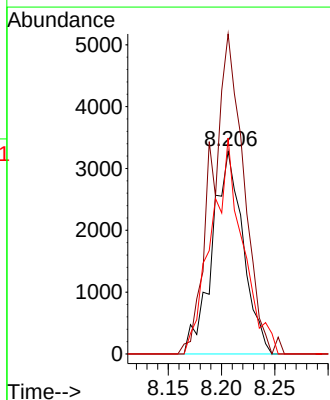
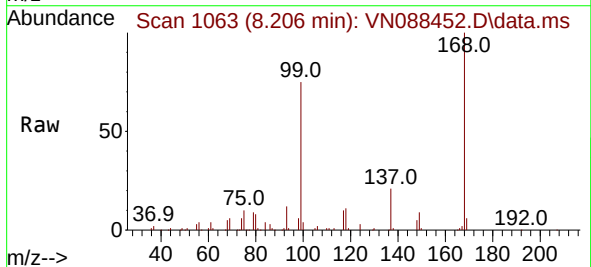
Instrument :
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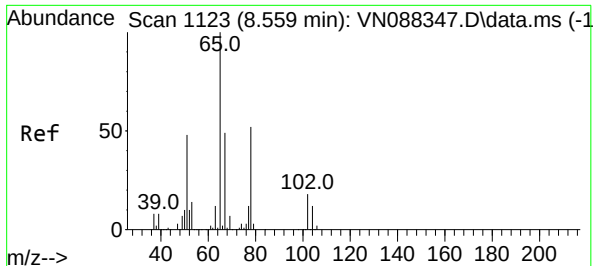
Tgt Ion:	96	Resp:	1293
Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	323.6
98	19.3	0.0	127.2



#31
 Cyclohexane
 Concen: 1.303 ug/l
 RT: 8.206 min Scan# 1063
 Delta R.T. -0.029 min
 Lab File: VN088452.D
 Acq: 04 Dec 2025 17:29

Tgt Ion:	56	Resp:	6615
Ion	Ratio	Lower	Upper
56	100		
69	157.8	25.3	37.9#
84	106.5	65.4	98.2#





#33

1,2-Dichloroethane-d4

Concen: 56.238 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088452.D

Acq: 04 Dec 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

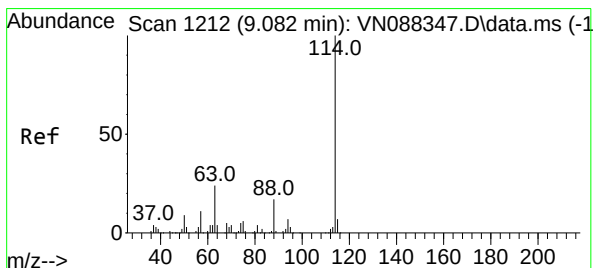
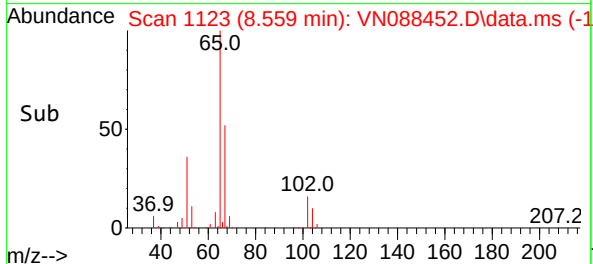
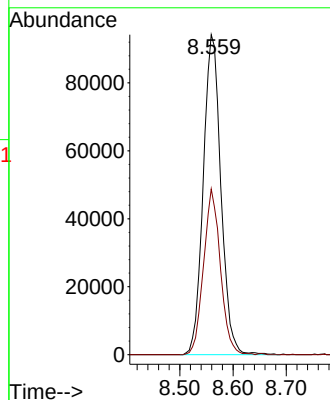
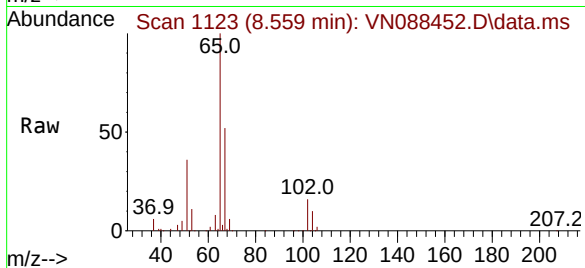
BR-03D-490-120325

Tgt Ion: 65 Resp: 217079

Ion Ratio Lower Upper

65 100

67 49.3 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: VN088452.D

Acq: 04 Dec 2025 17:29

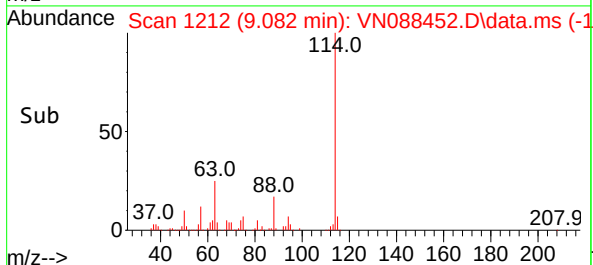
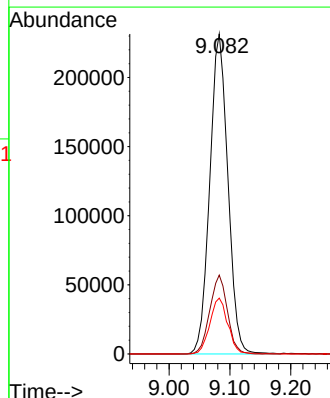
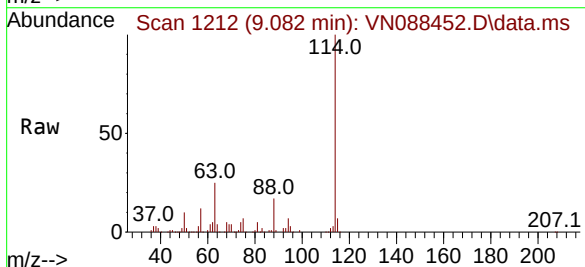
Tgt Ion: 114 Resp: 477681

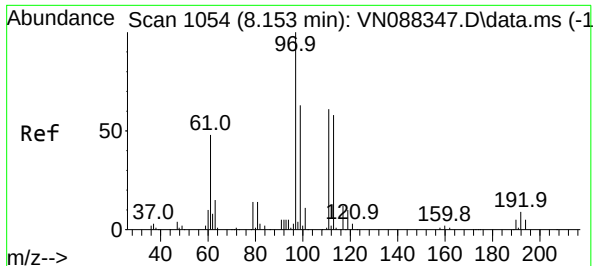
Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.0

88 17.5 0.0 34.0

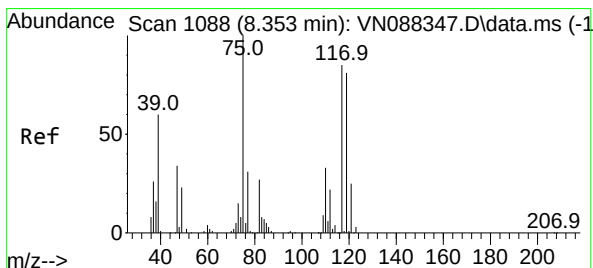
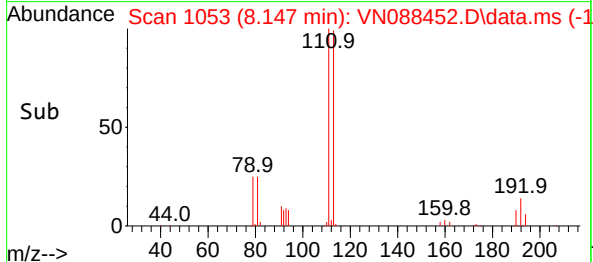
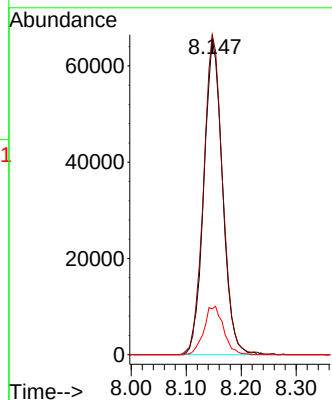
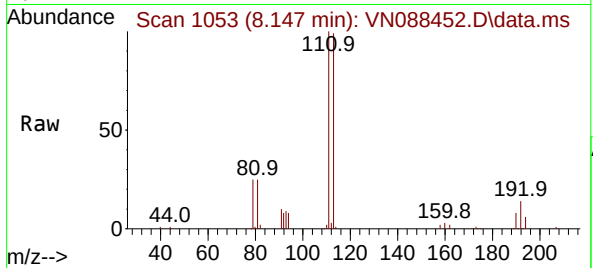




#35
Dibromofluoromethane
Concen: 46.717 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088452.D
Acq: 04 Dec 2025 17:29

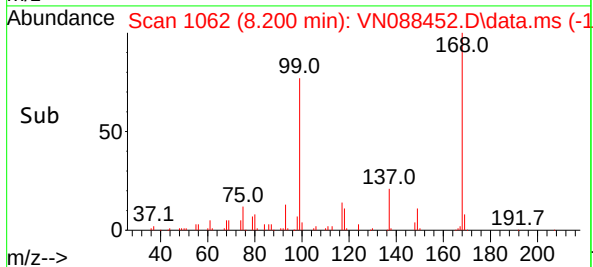
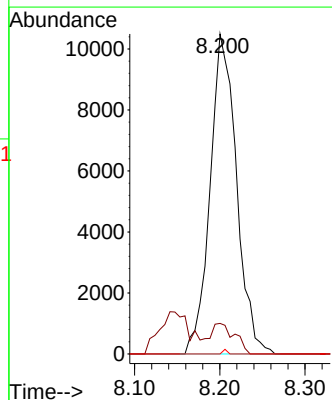
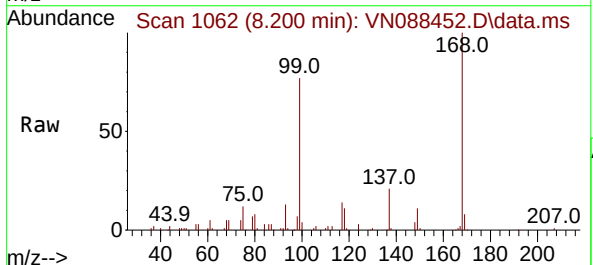
Instrument :
MSVOA_N
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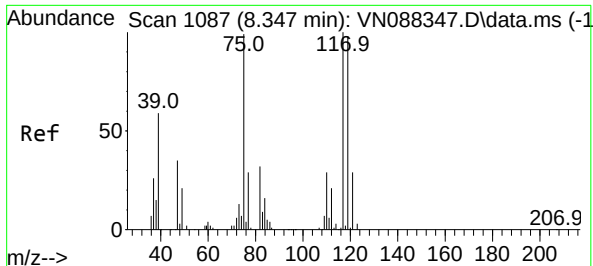
Tgt Ion:113 Resp: 154647
Ion Ratio Lower Upper
113 100
111 103.1 82.5 123.7
192 16.1 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.432 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.153 min
Lab File: VN088452.D
Acq: 04 Dec 2025 17:29

Tgt Ion: 75 Resp: 22641
Ion Ratio Lower Upper
75 100
110 8.4 15.8 47.4#
77 0.2 24.2 36.2#

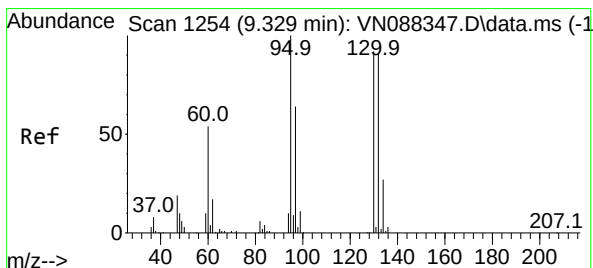
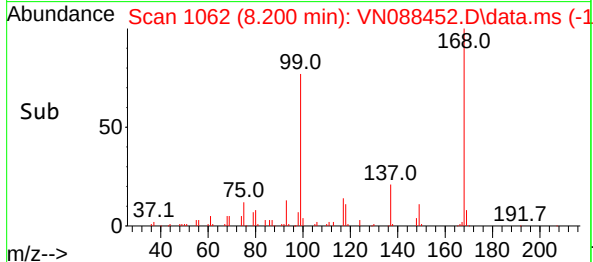
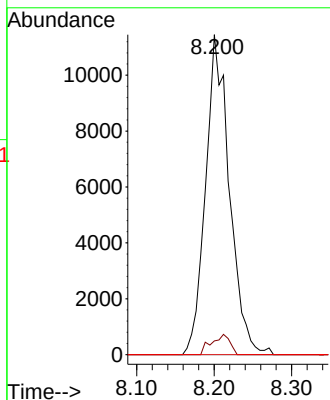
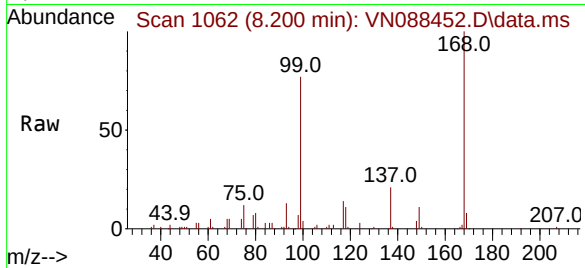




#38
Carbon Tetrachloride
Concen: 4.815 ug/l
RT: 8.200 min Scan# 117
Delta R.T. -0.147 min
Lab File: VN088452.D
Acq: 04 Dec 2025 17:29

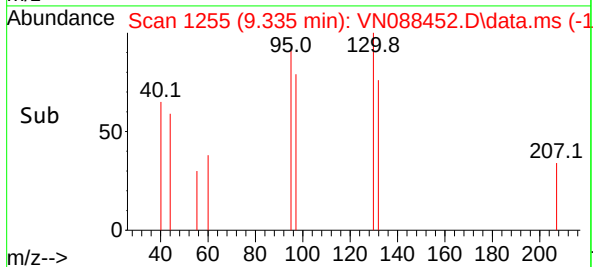
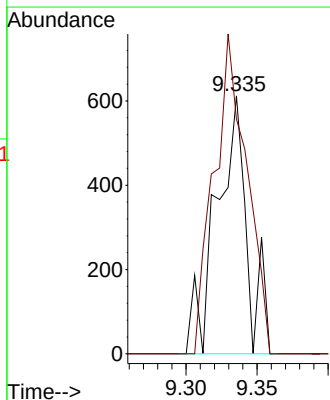
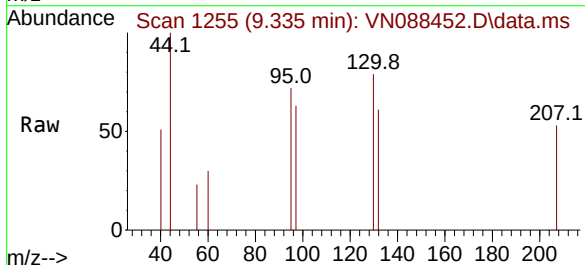
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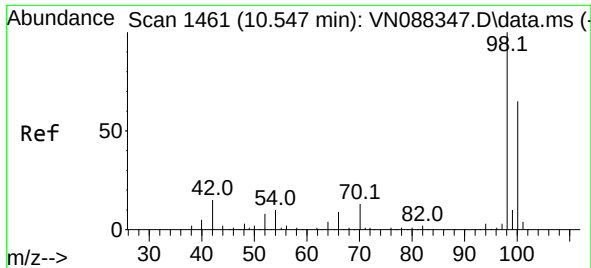
Tgt Ion:117 Resp: 24490
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.4#
121 0.0 23.4 35.2#



#44
Trichloroethene
Concen: 0.256 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VN088452.D
Acq: 04 Dec 2025 17:29

Tgt Ion:130 Resp: 908
Ion Ratio Lower Upper
130 100
95 91.0 0.0 217.0

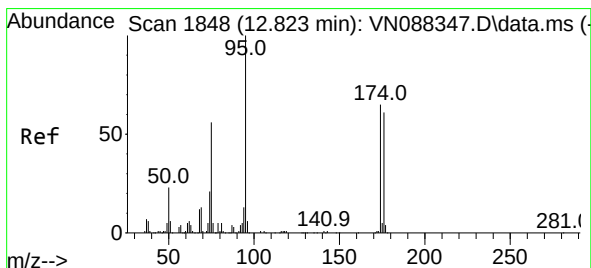
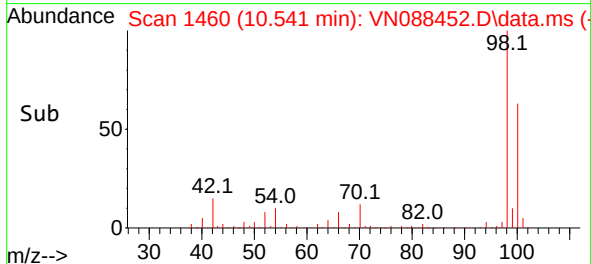
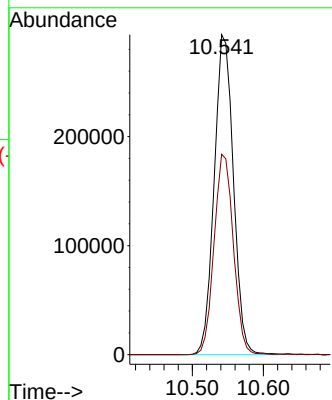
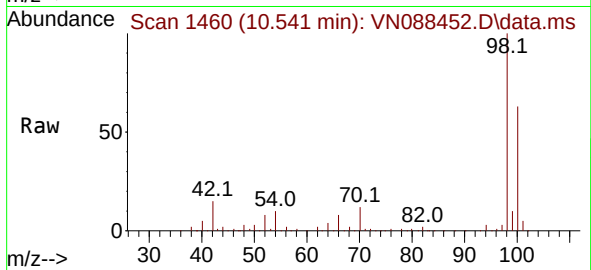




#50
Toluene-d8
Concen: 44.728 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088452.D
Acq: 04 Dec 2025 17:29

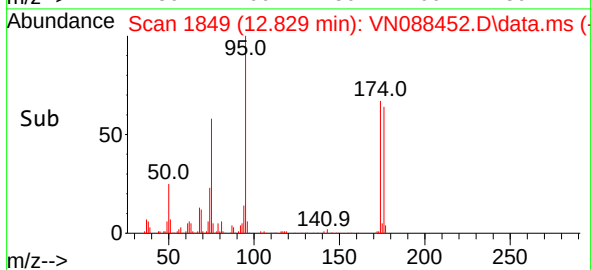
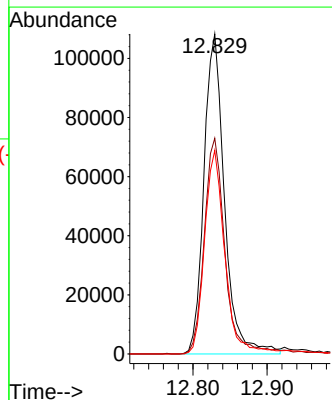
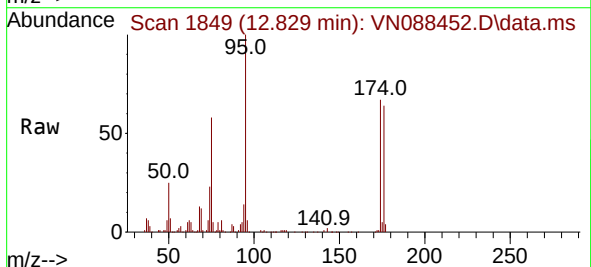
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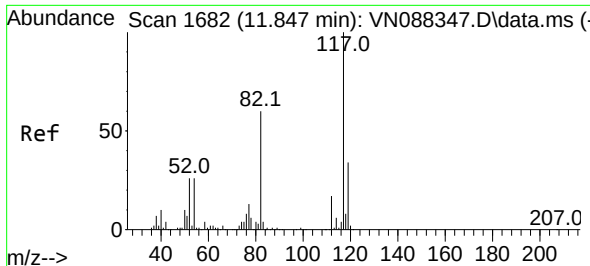
Tgt Ion: 98 Resp: 550915
Ion Ratio Lower Upper
98 100
100 62.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 49.352 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088452.D
Acq: 04 Dec 2025 17:29

Tgt Ion: 95 Resp: 208569
Ion Ratio Lower Upper
95 100
174 68.9 0.0 139.0
176 62.8 0.0 132.4

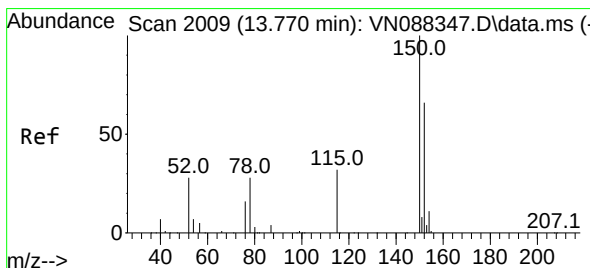
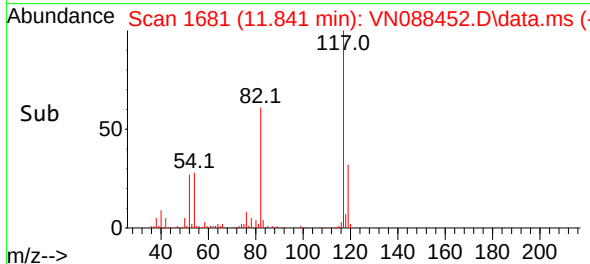
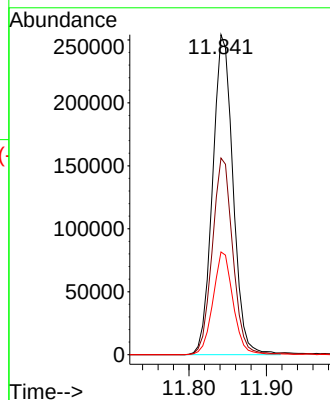
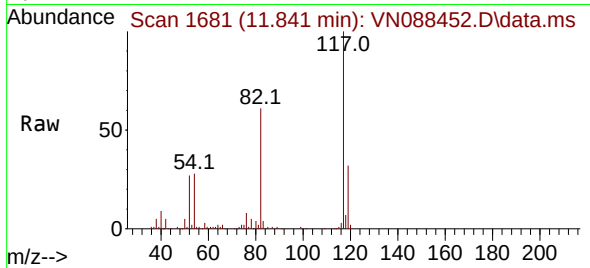




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088452.D
Acq: 04 Dec 2025 17:29

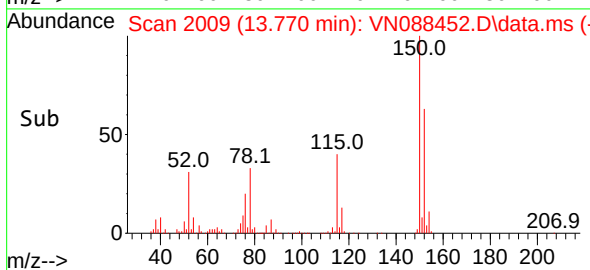
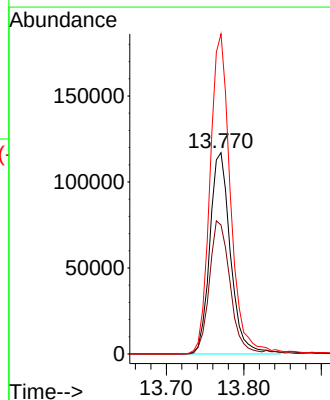
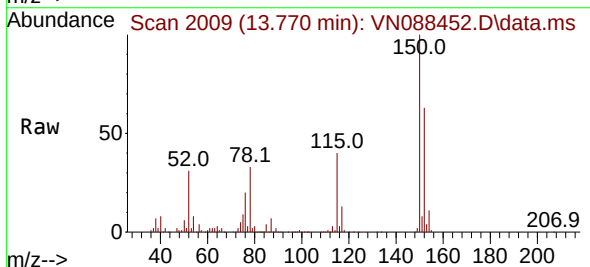
Instrument :
MSVOA_N
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BR-03D-490-120325

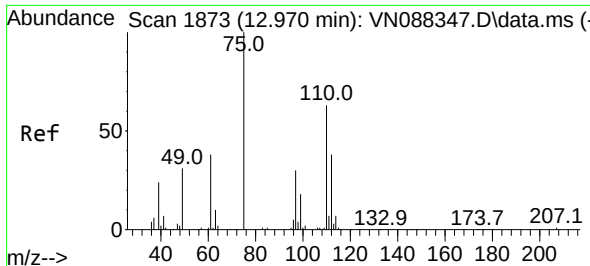
Tgt Ion:117 Resp: 464655
Ion Ratio Lower Upper
117 100
82 61.5 47.8 71.8
119 32.1 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088452.D
Acq: 04 Dec 2025 17:29

Tgt Ion:152 Resp: 216573
Ion Ratio Lower Upper
152 100
115 66.1 33.0 98.9
150 157.0 0.0 349.0

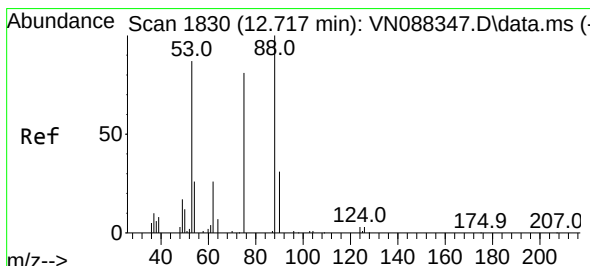
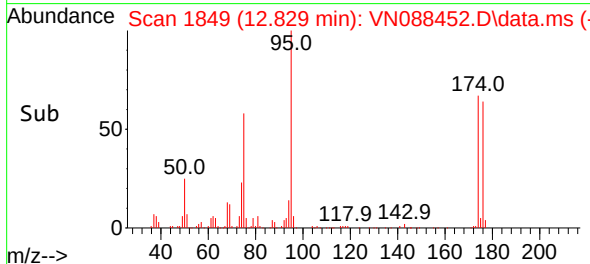
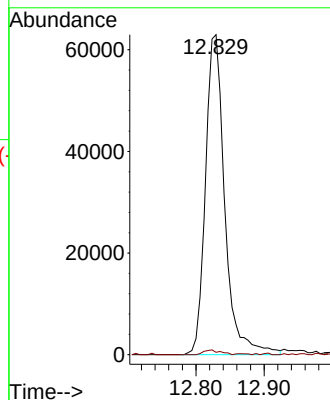
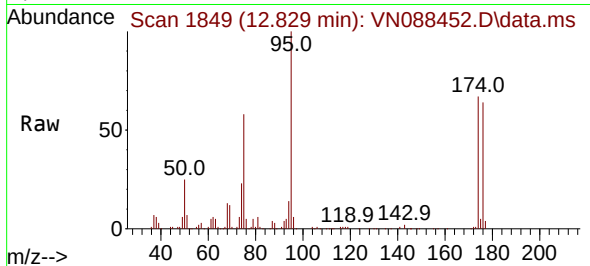




#76
 1,2,3-Trichloropropane
 Concen: 24.475 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088452.D
 Acq: 04 Dec 2025 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 BR-03D-490-120325

Tgt Ion: 75 Resp: 124150
 Ion Ratio Lower Upper
 75 100
 77 1.3 87.2 261.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.434 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN088452.D
 Acq: 04 Dec 2025 17:29

Tgt Ion: 75 Resp: 124150
 Ion Ratio Lower Upper
 75 100
 53 0.2 92.2 138.4#
 89 0.1 0.0 0.0#

