

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088386.D
 Acq On : 01 Dec 2025 16:16
 Operator : JC\MD
 Sample : Q3745-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 00:16:53 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)

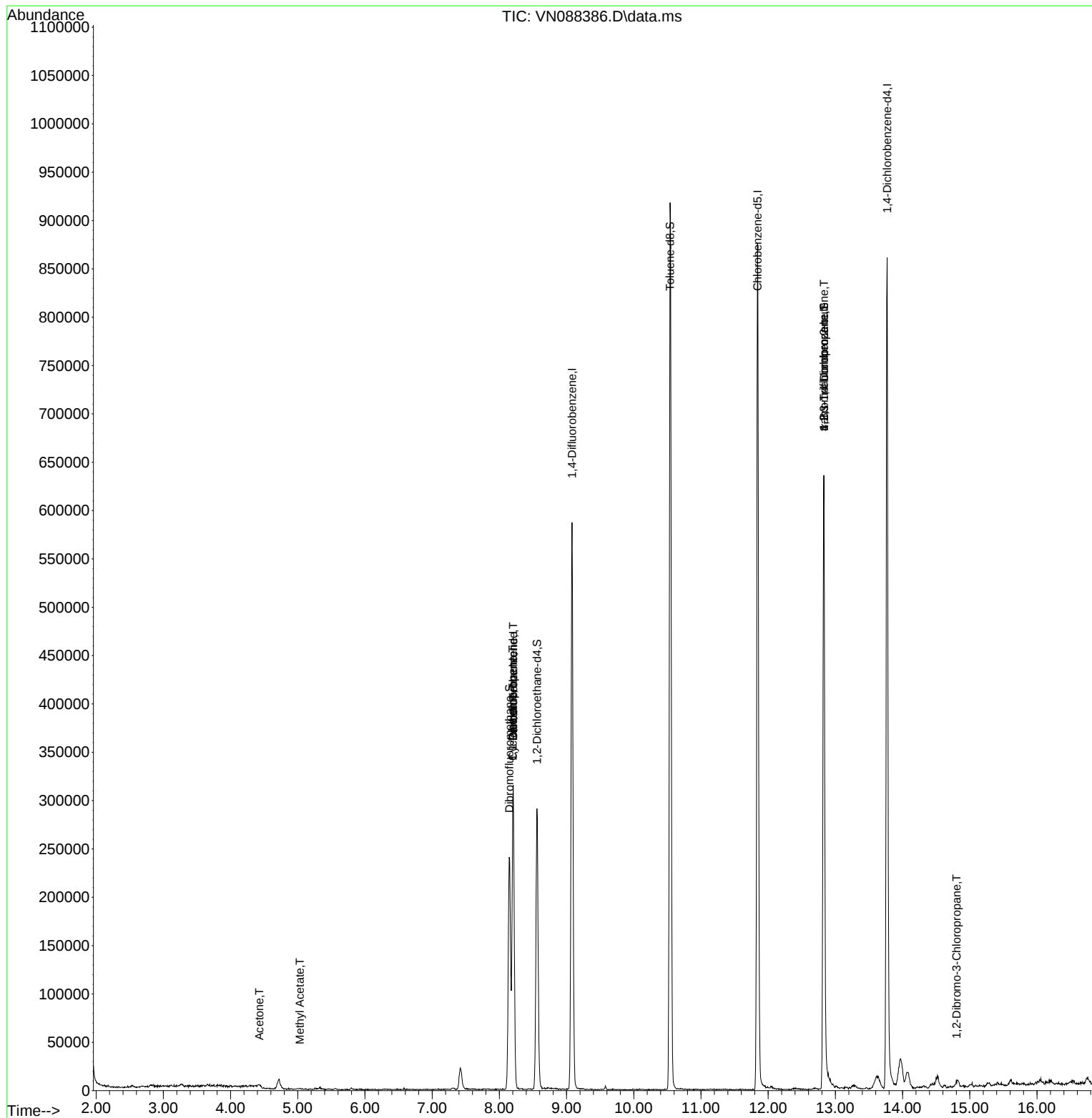
Internal Standards						
1) Pentafluorobenzene	8.206	168	206402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	471441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	471463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	230697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	241821	62.194	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 124.380%		
35) Dibromofluoromethane	8.147	113	172882	52.917	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.840%		
50) Toluene-d8	10.541	98	613822	50.495	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.000%		
62) 4-Bromofluorobenzene	12.829	95	235962	56.573	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 113.140%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	5522	3.927	ug/l #	79
18) Methyl Acetate	5.030	43	1464	0.350	ug/l #	53
31) Cyclohexane	8.200	56	6903	1.350	ug/l #	52
36) 1,1-Dichloropropene	8.200	75	20097	3.986	ug/l #	54
38) Carbon Tetrachloride	8.206	117	23382	4.658	ug/l #	15
76) 1,2,3-Trichloropropane	12.829	75	139824	25.877	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	139824	73.413	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.806	75	525	0.392	ug/l	88

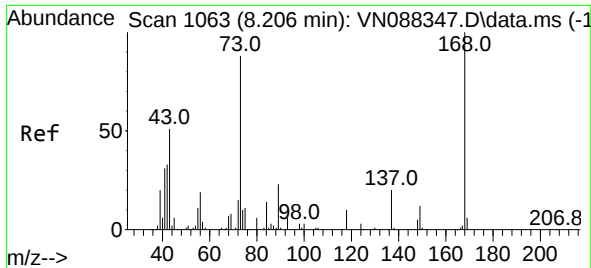
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

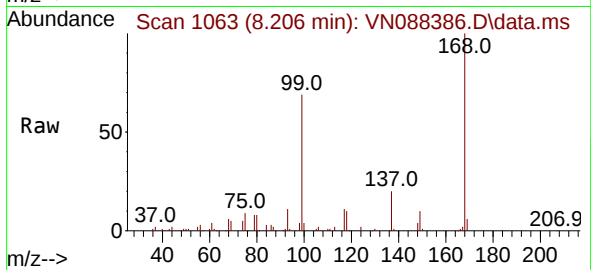
Quant Time: Dec 02 00:16:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration



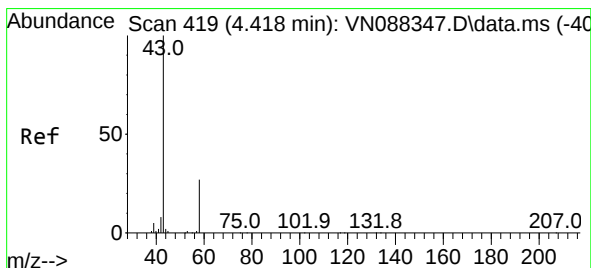
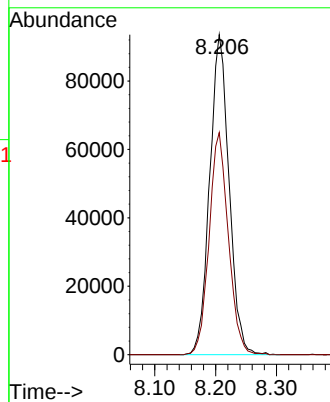
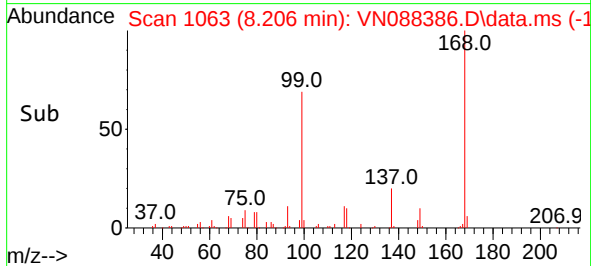


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088386.D
Acq: 01 Dec 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :

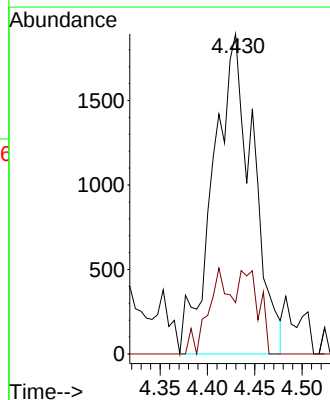
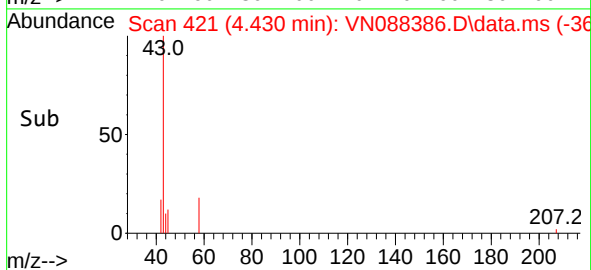
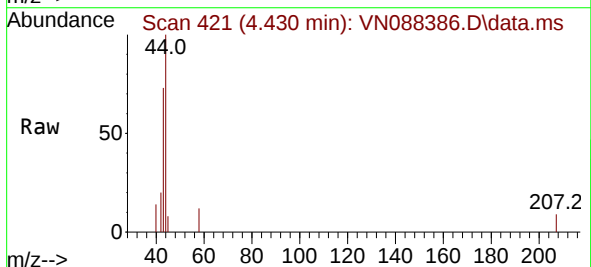


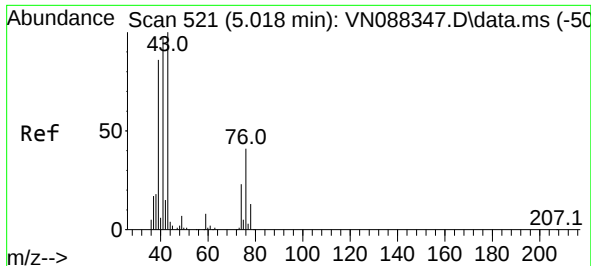
Tgt Ion:168 Resp: 206402
Ion Ratio Lower Upper
168 100
99 69.4 57.1 85.7



#16
Acetone
Concen: 3.927 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN088386.D
Acq: 01 Dec 2025 16:16

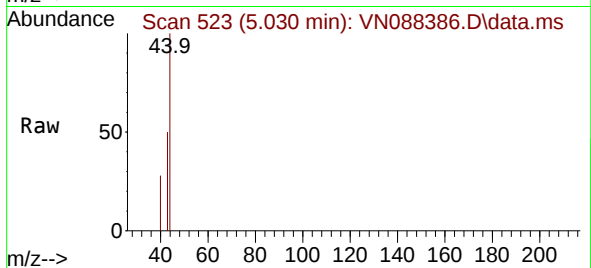
Tgt Ion: 43 Resp: 5522
Ion Ratio Lower Upper
43 100
58 16.1 21.7 32.5#



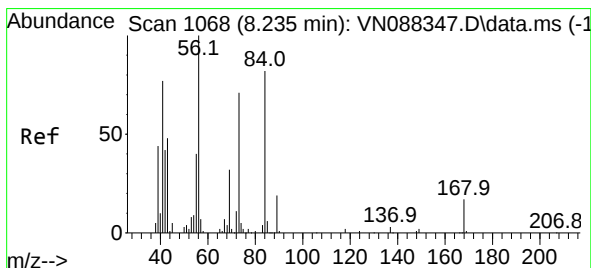
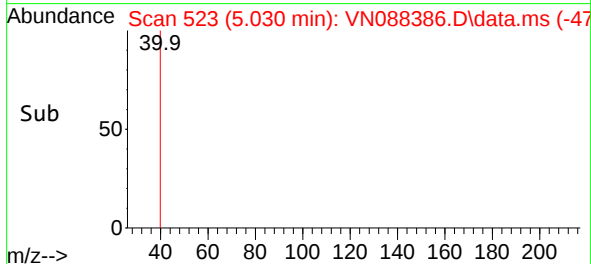
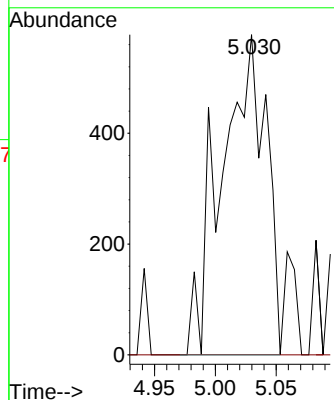


#18
Methyl Acetate
Concen: 0.350 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN088386.D
Acq: 01 Dec 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :

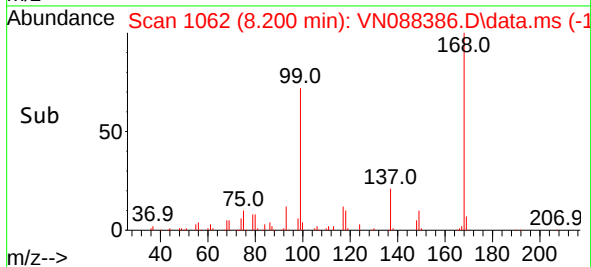
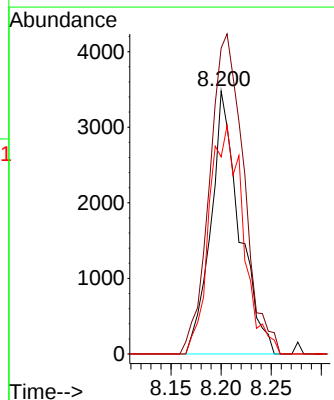
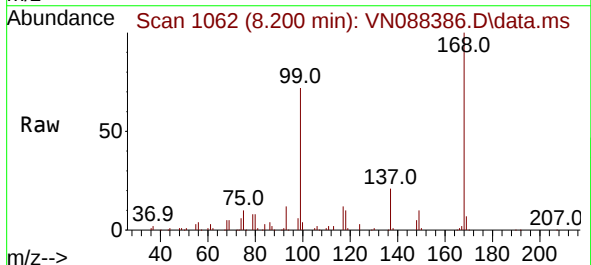


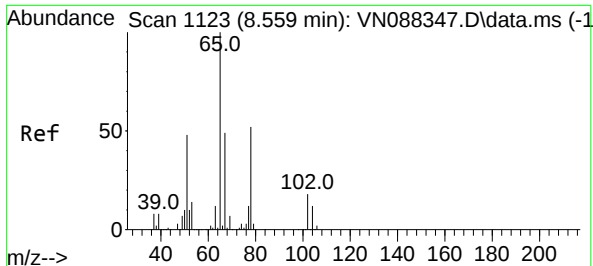
Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



#31
Cyclohexane
Concen: 1.350 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088386.D
Acq: 01 Dec 2025 16:16

Tgt Ion: 56 Resp: 6903
Ion Ratio Lower Upper
56 100
69 116.4 25.3 37.9#
84 75.0 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 62.194 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088386.D

Acq: 01 Dec 2025 16:16

Instrument :

MSVOA_N

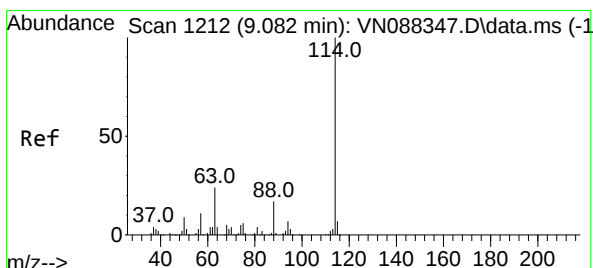
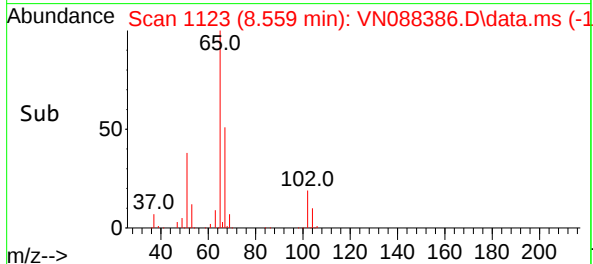
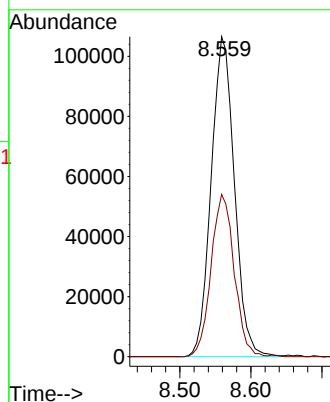
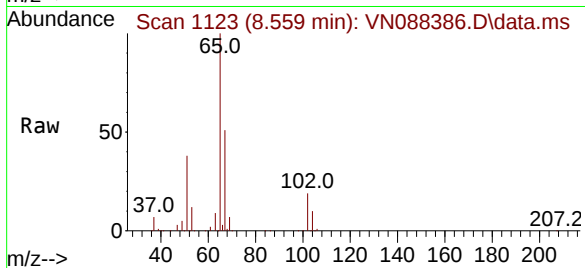
ClientSampleId :

Tgt Ion: 65 Resp: 241821

Ion Ratio Lower Upper

65 100

67 50.4 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: VN088386.D

Acq: 01 Dec 2025 16:16

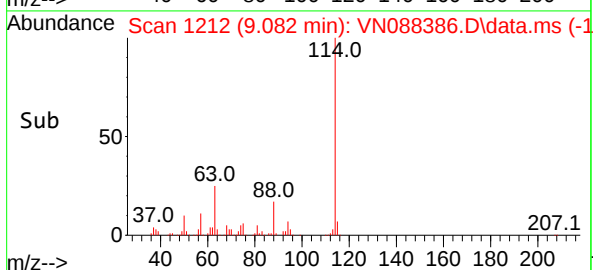
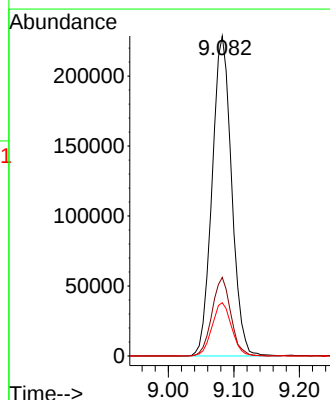
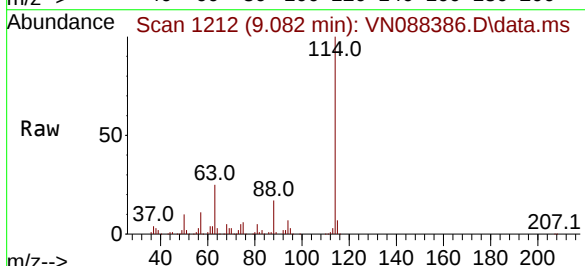
Tgt Ion: 114 Resp: 471441

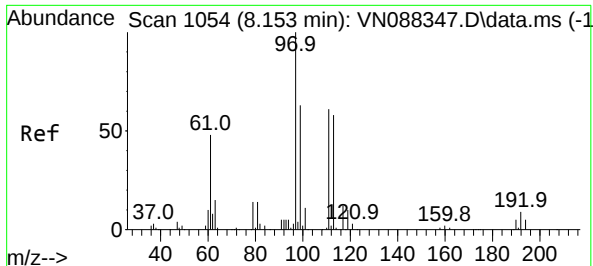
Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.0

88 16.7 0.0 34.0





#35

Dibromofluoromethane

Concen: 52.917 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

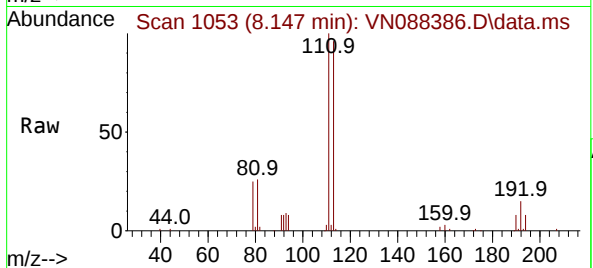
Lab File: VN088386.D

Acq: 01 Dec 2025 16:16

Instrument :

MSVOA_N

ClientSampleId :



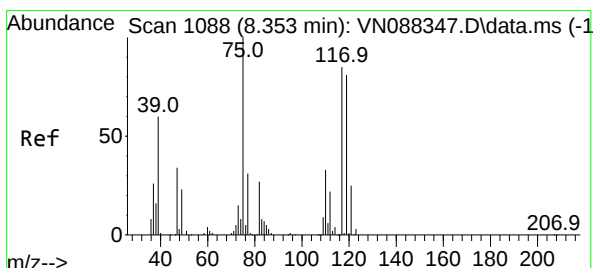
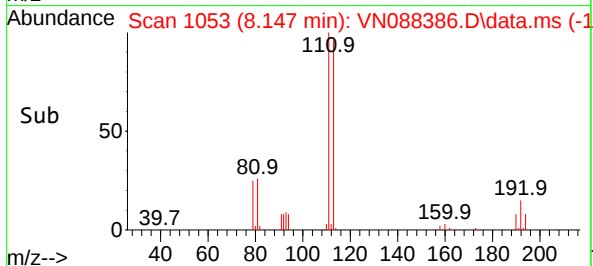
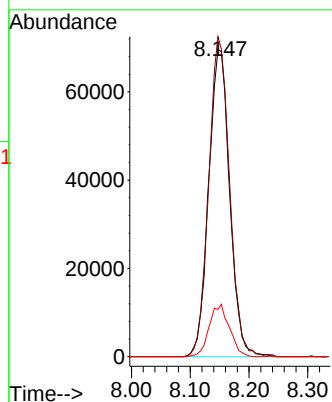
Tgt Ion:113 Resp: 172882

Ion Ratio Lower Upper

113 100

111 103.0 82.5 123.7

192 16.4 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.986 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088386.D

Acq: 01 Dec 2025 16:16

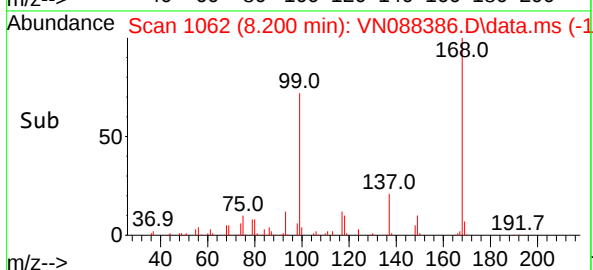
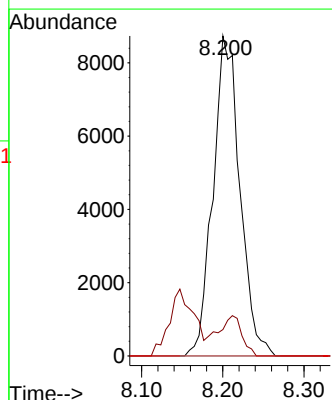
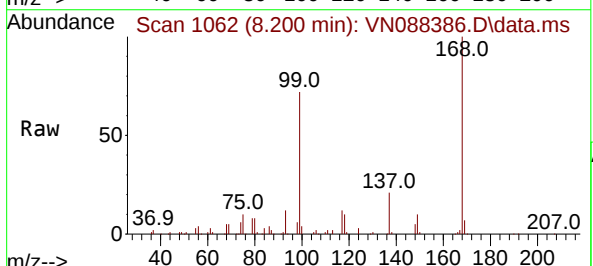
Tgt Ion: 75 Resp: 20097

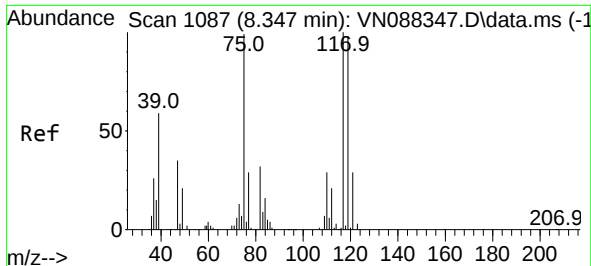
Ion Ratio Lower Upper

75 100

110 10.8 15.8 47.4#

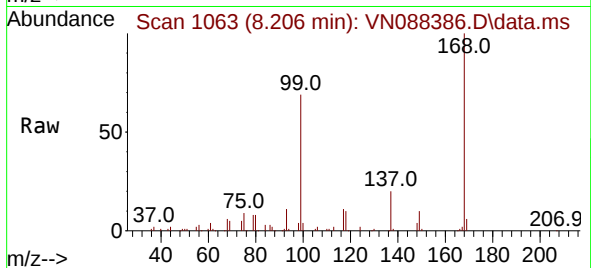
77 0.0 24.2 36.2#



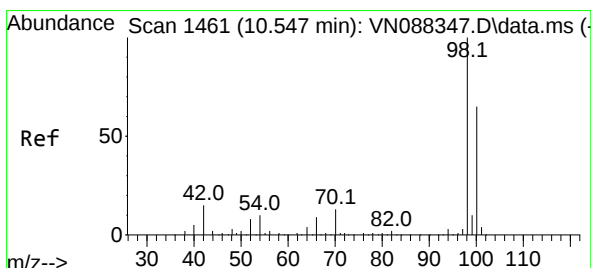
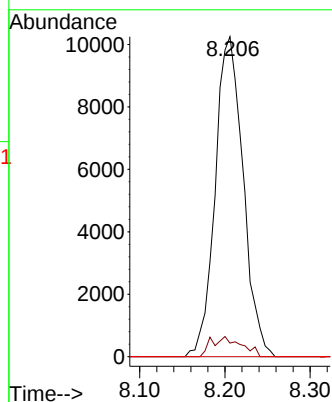
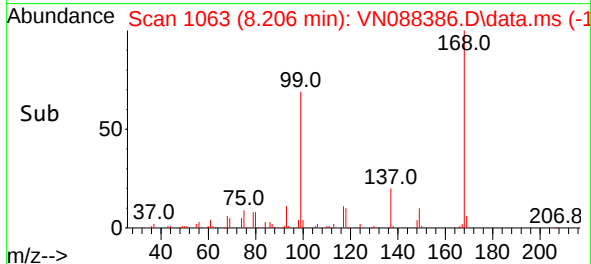


#38
Carbon Tetrachloride
Concen: 4.658 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN088386.D
Acq: 01 Dec 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :

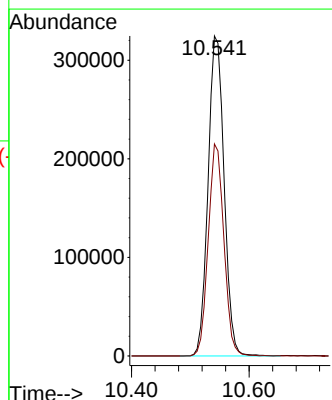
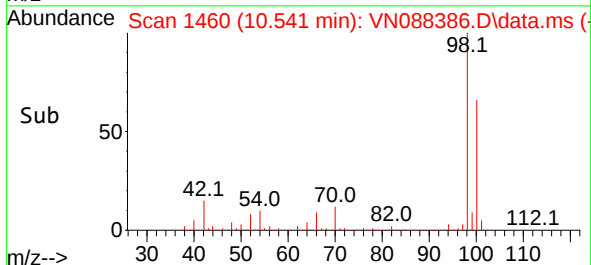
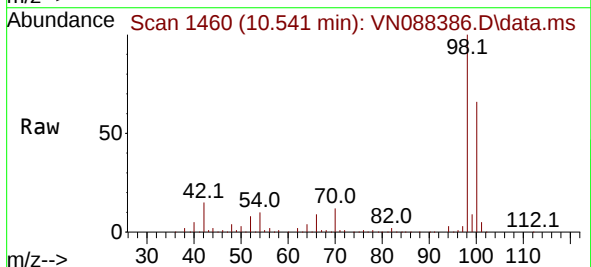


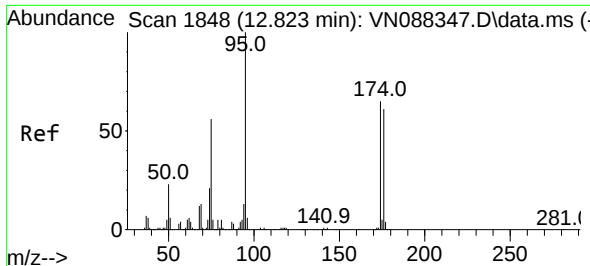
Tgt Ion:117 Resp: 23382
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.4#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 50.495 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088386.D
Acq: 01 Dec 2025 16:16

Tgt Ion: 98 Resp: 613822
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

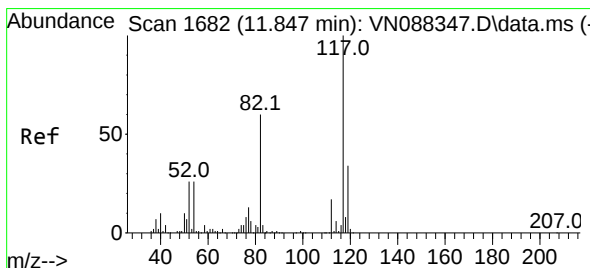
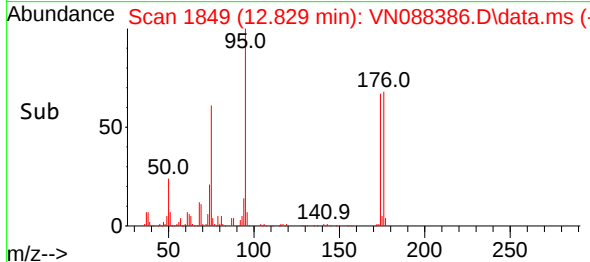
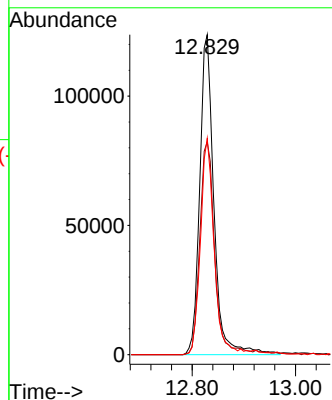
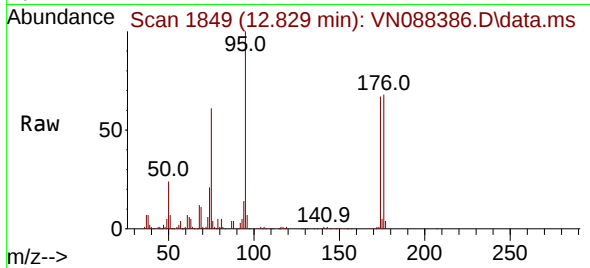




#62
4-Bromofluorobenzene
Concen: 56.573 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088386.D
Acq: 01 Dec 2025 16:16

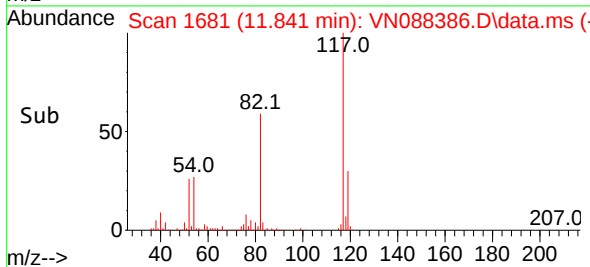
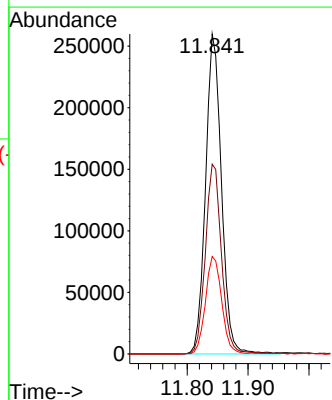
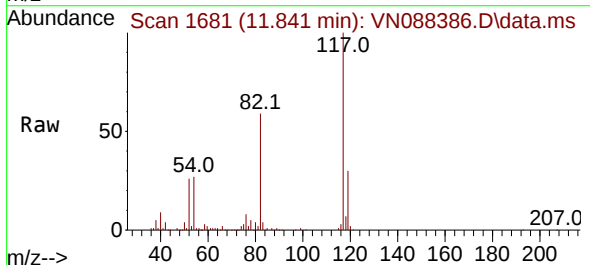
Instrument :
MSVOA_N
ClientSampleId :

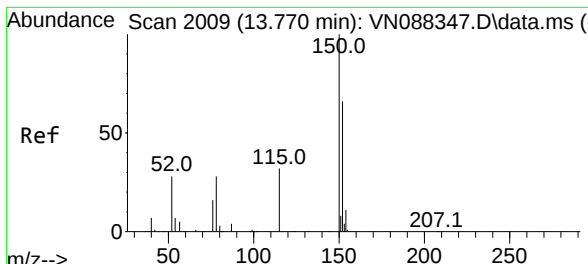
Tgt Ion: 95 Resp: 235962
Ion Ratio Lower Upper
95 100
174 69.0 0.0 139.0
176 65.5 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088386.D
Acq: 01 Dec 2025 16:16

Tgt Ion: 117 Resp: 471463
Ion Ratio Lower Upper
117 100
82 59.3 47.8 71.8
119 30.4 26.9 40.3

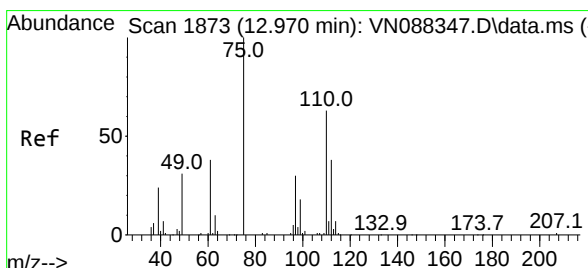
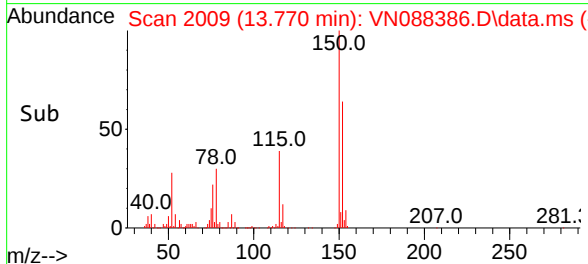
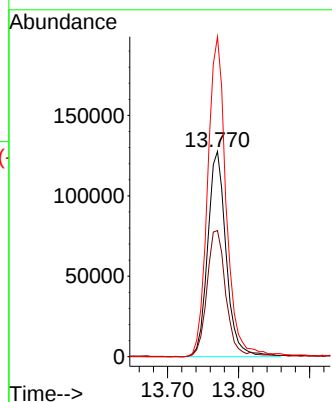
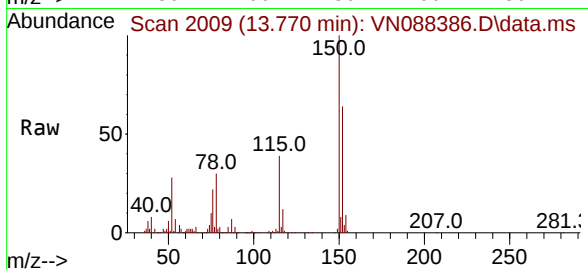




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. -0.000 min
 Lab File: VN088386.D
 Acq: 01 Dec 2025 16:16

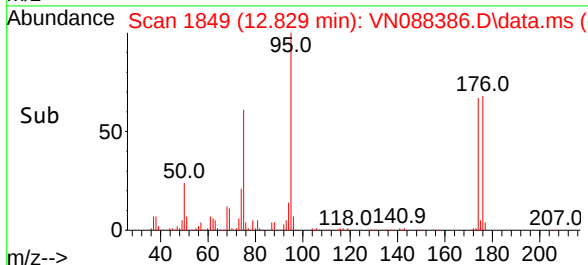
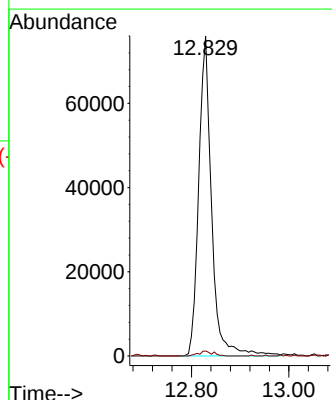
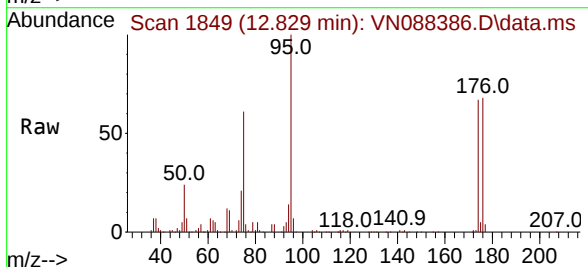
Instrument :
 MSVOA_N
 ClientSampleId :

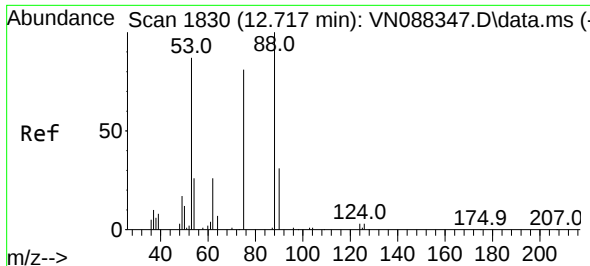
Tgt Ion:152 Resp: 230697
 Ion Ratio Lower Upper
 152 100
 115 64.1 33.0 98.9
 150 157.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.877 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088386.D
 Acq: 01 Dec 2025 16:16

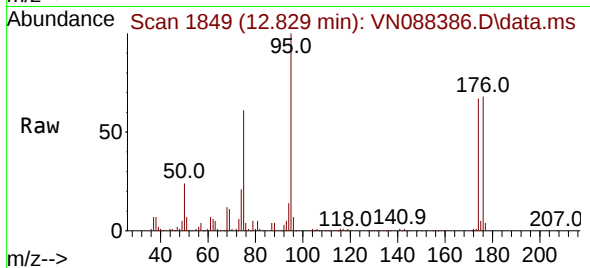
Tgt Ion: 75 Resp: 139824
 Ion Ratio Lower Upper
 75 100
 77 1.7 87.2 261.6#



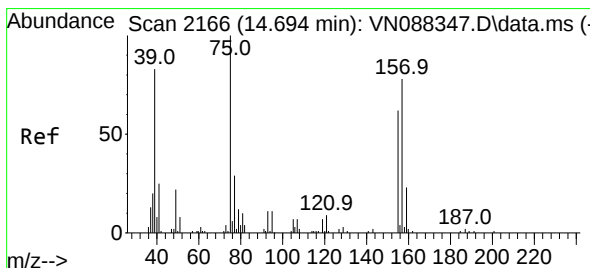
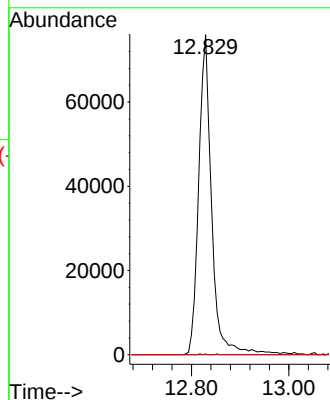
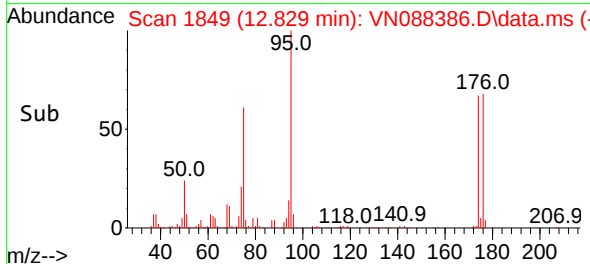


#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.413 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088386.D
 Acq: 01 Dec 2025 16:16

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 139824
 Ion Ratio Lower Upper
 75 100
 53 0.0 92.2 138.4#
 89 0.1 0.0 0.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.392 ug/l
 RT: 14.806 min Scan# 2185
 Delta R.T. 0.112 min
 Lab File: VN088386.D
 Acq: 01 Dec 2025 16:16

Tgt Ion: 75 Resp: 525
 Ion Ratio Lower Upper
 75 100
 155 62.7 33.7 101.1
 157 71.2 43.8 131.3

