

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088529.D
 Acq On : 16 Dec 2025 15:27
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Dec 17 01:43:49 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)

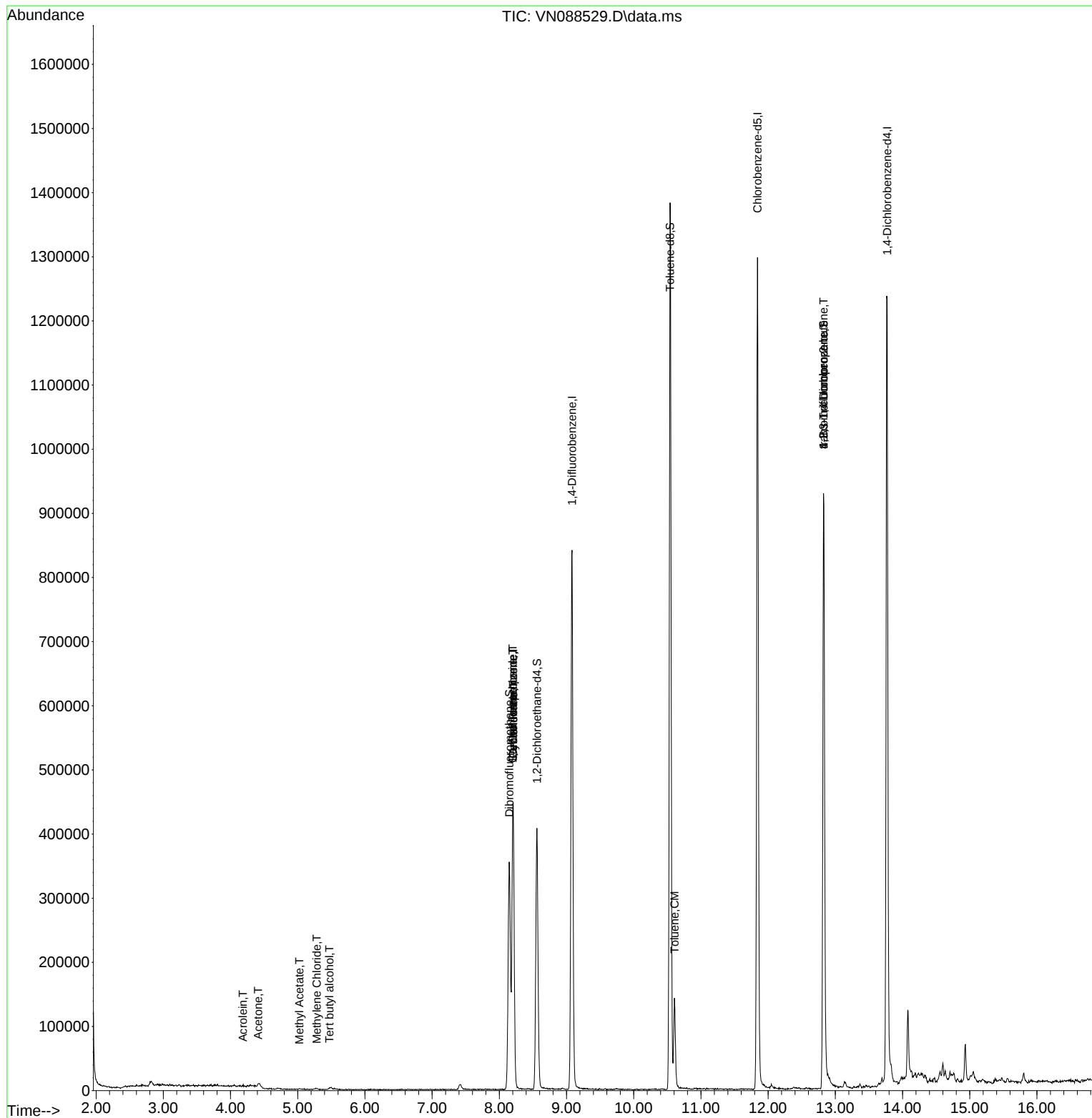
Internal Standards						
1) Pentafluorobenzene	8.206	168	307100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	698293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	713140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	343043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	351638	60.783	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.560%			
35) Dibromofluoromethane	8.147	113	257117	53.133	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.260%			
50) Toluene-d8	10.541	98	921453	51.177	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.360%			
62) 4-Bromofluorobenzene	12.823	95	358201	57.980	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.960%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.471	59	1657	1.794	ug/l #	72
13) Acrolein	4.183	56	192	0.217	ug/l #	1
16) Acetone	4.412	43	5372	2.568	ug/l	90
18) Methyl Acetate	5.024	43	2484	0.399	ug/l #	61
20) Methylene Chloride	5.283	84	1307	0.292	ug/l #	61
31) Cyclohexane	8.206	56	8656	1.138	ug/l #	7
36) 1,1-Dichloropropene	8.200	75	31454	4.212	ug/l #	52
38) Carbon Tetrachloride	8.200	117	36275	4.879	ug/l #	16
52) Toluene	10.606	92	57372	4.533	ug/l	100
76) 1,2,3-Trichloropropane	12.823	75	198422	24.696	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	198422	70.060	ug/l #	1

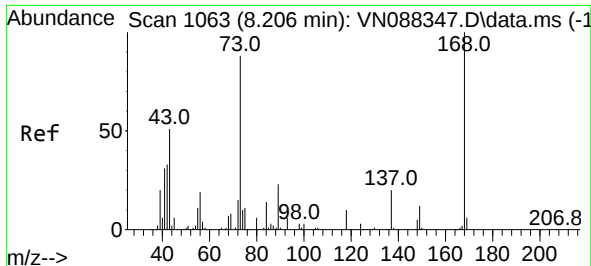
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

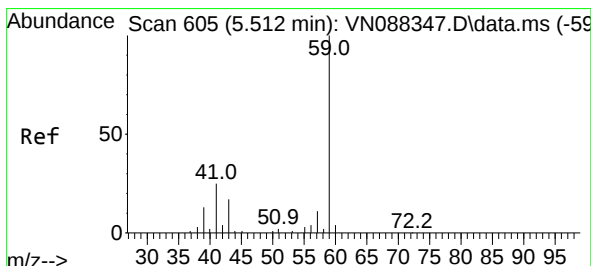
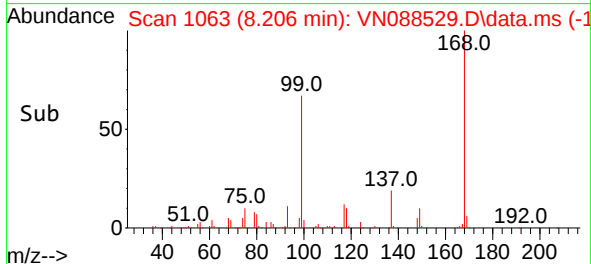
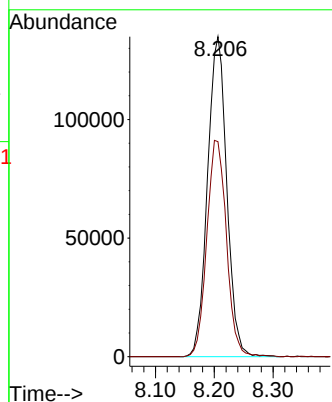
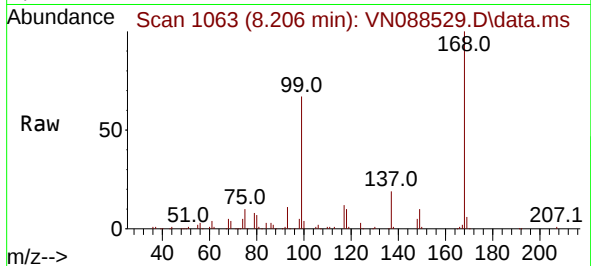




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

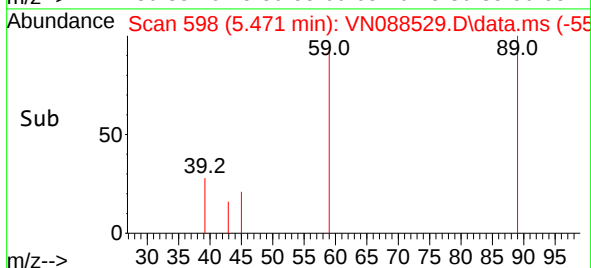
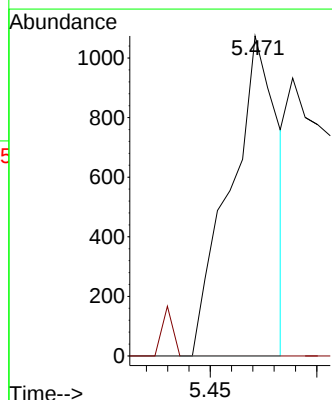
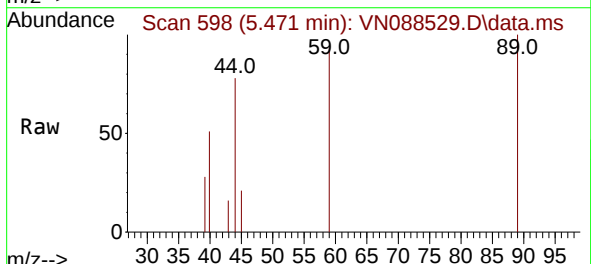
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

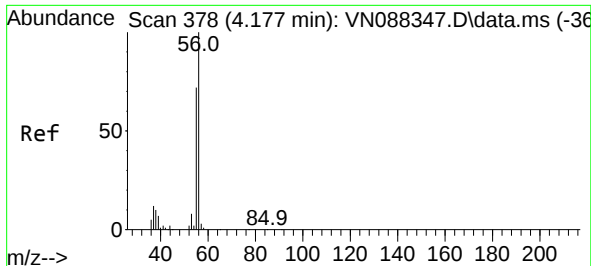
Tgt Ion:168 Resp: 307100
Ion Ratio Lower Upper
168 100
99 67.2 57.1 85.7



#11
Tert butyl alcohol
Concen: 1.794 ug/l
RT: 5.471 min Scan# 598
Delta R.T. -0.041 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

Tgt Ion: 59 Resp: 1657
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

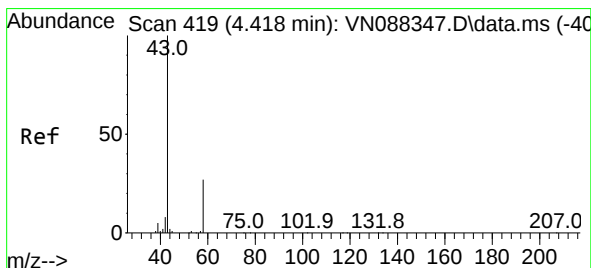
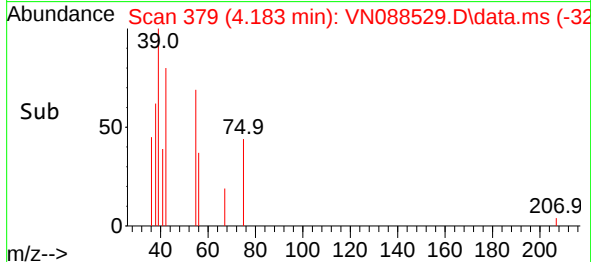
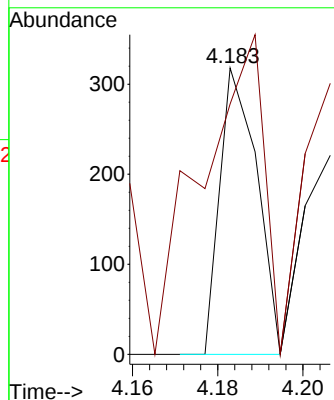
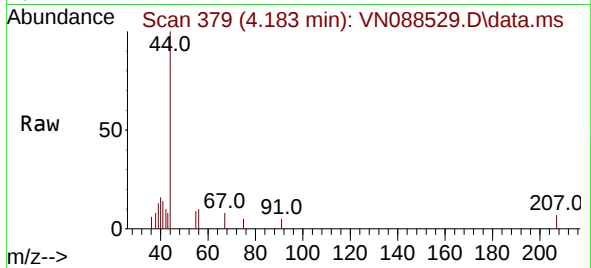




#13
Acrolein
Concen: 0.217 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

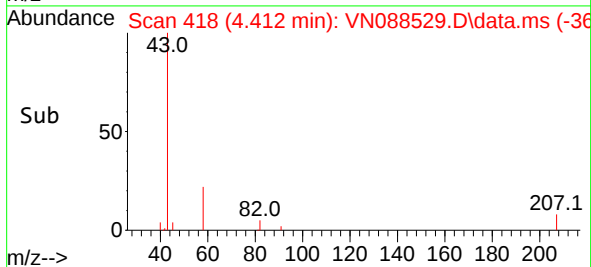
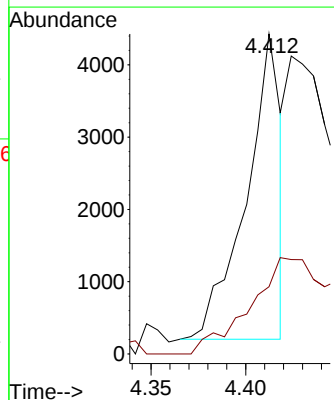
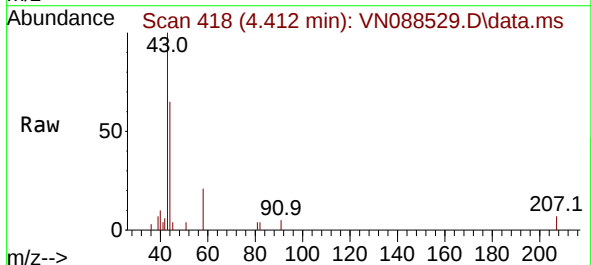
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

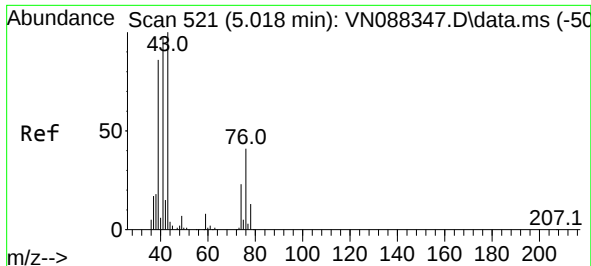
Tgt Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
55 187.5 56.3 84.5#



#16
Acetone
Concen: 2.568 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

Tgt Ion: 43 Resp: 5372
Ion Ratio Lower Upper
43 100
58 22.0 21.7 32.5

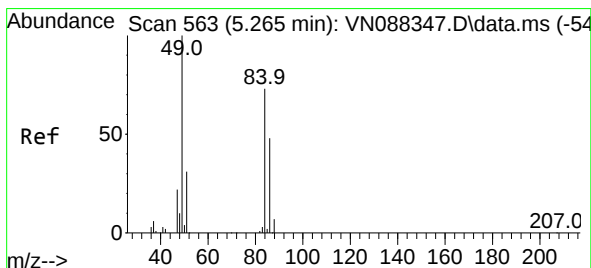
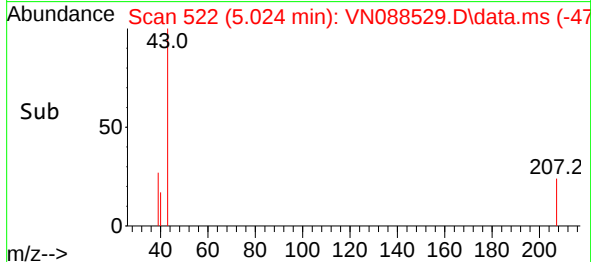
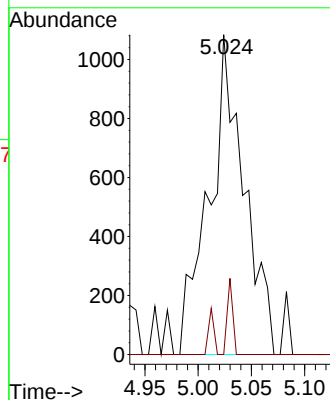
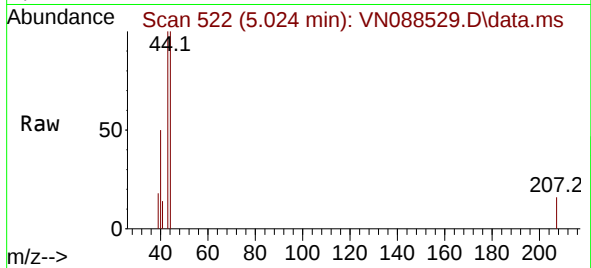




#18
Methyl Acetate
Concen: 0.399 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

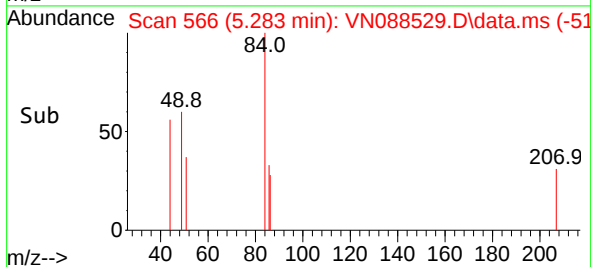
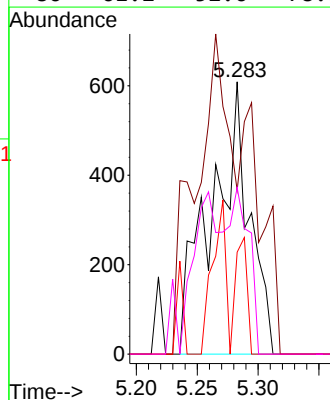
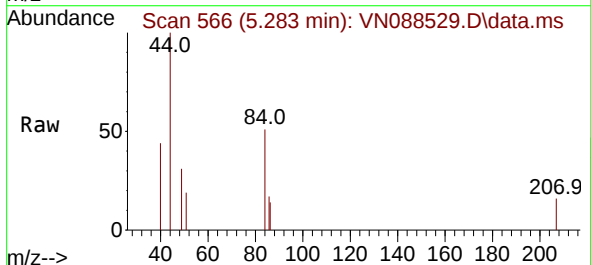
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

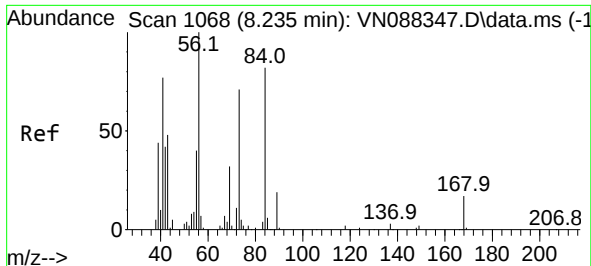
Tgt Ion: 43 Resp: 2484
Ion Ratio Lower Upper
43 100
74 3.7 17.9 26.9#



#20
Methylene Chloride
Concen: 0.292 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.018 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

Tgt Ion: 84 Resp: 1307
Ion Ratio Lower Upper
84 100
49 60.1 110.2 165.2#
51 37.4 34.1 51.1
86 61.2 52.6 78.8





#31

Cyclohexane

Concen: 1.138 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.029 min

Lab File: VN088529.D

Acq: 16 Dec 2025 15:27

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

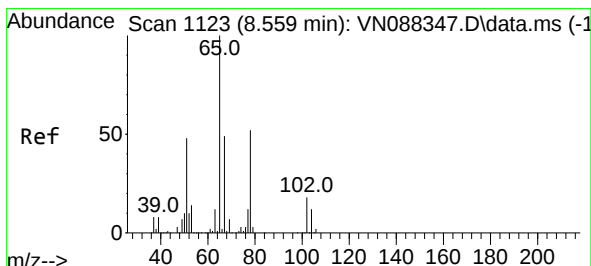
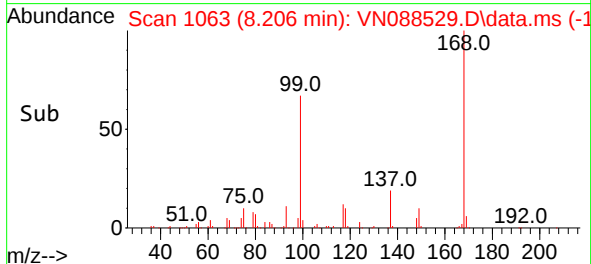
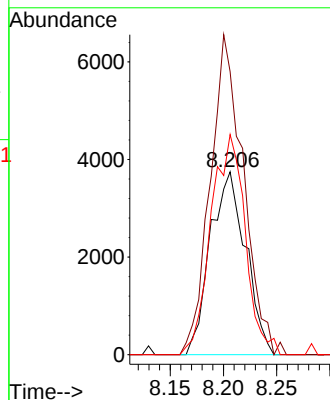
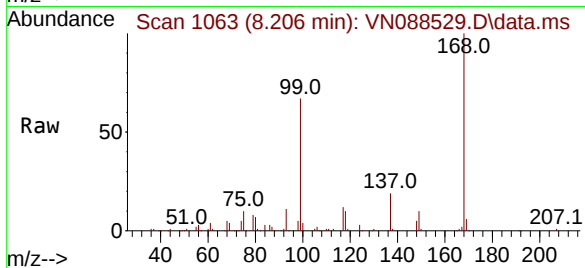
Tgt Ion: 56 Resp: 8656

Ion Ratio Lower Upper

56 100

69 154.7 25.3 37.9#

84 120.4 65.4 98.2#



#33

1,2-Dichloroethane-d4

Concen: 60.783 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088529.D

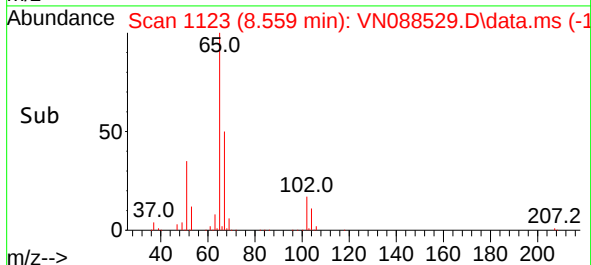
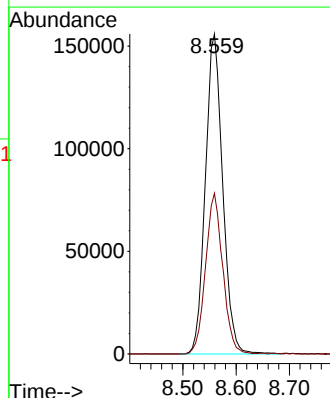
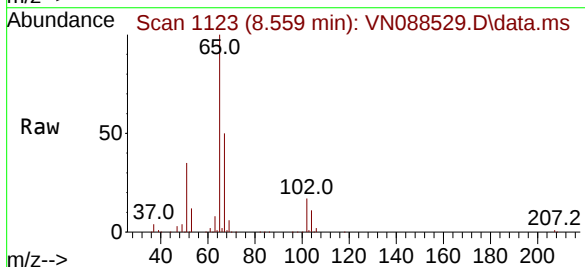
Acq: 16 Dec 2025 15:27

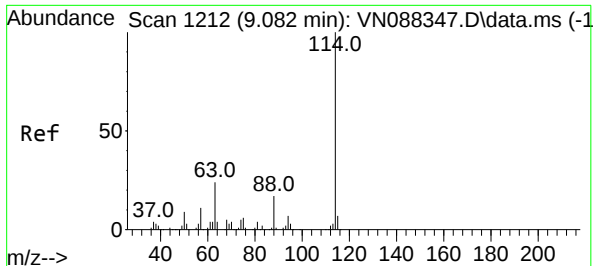
Tgt Ion: 65 Resp: 351638

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# 1

Delta R.T. 0.000 min

Lab File: VN088529.D

Acq: 16 Dec 2025 15:27

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

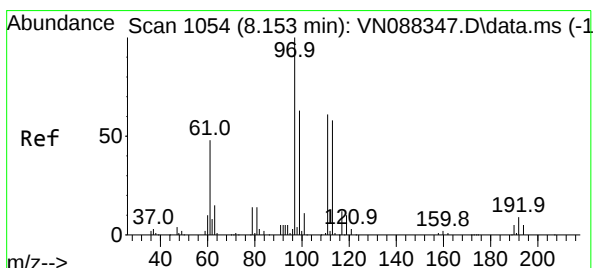
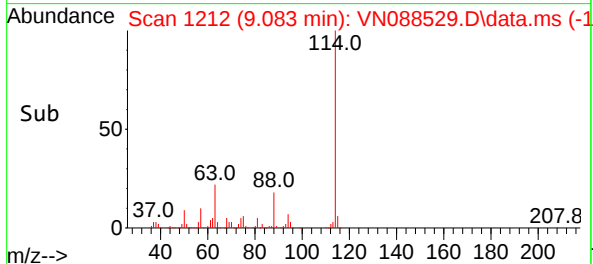
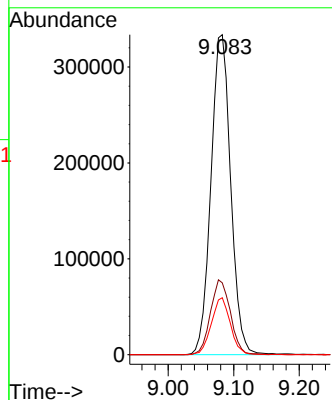
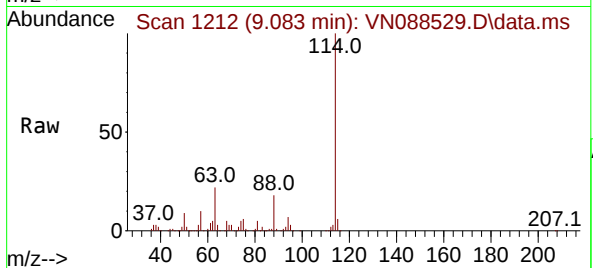
Tgt Ion:114 Resp: 698293

Ion Ratio Lower Upper

114 100

63 22.5 0.0 49.0

88 17.8 0.0 34.0



#35

Dibromofluoromethane

Concen: 53.133 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088529.D

Acq: 16 Dec 2025 15:27

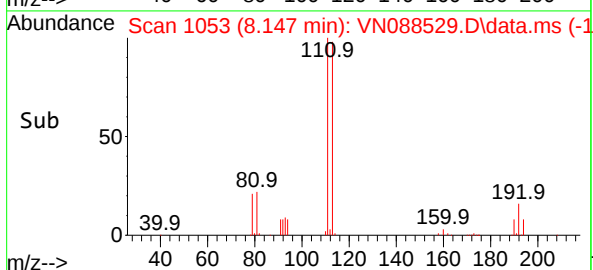
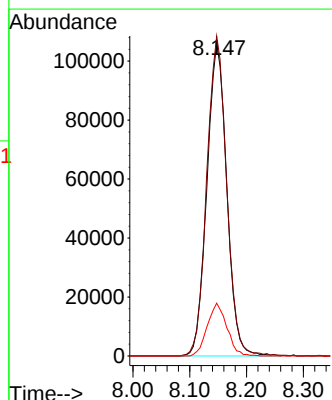
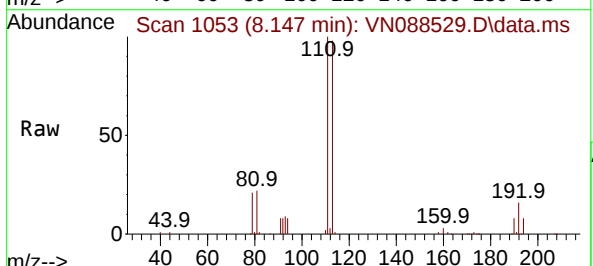
Tgt Ion:113 Resp: 257117

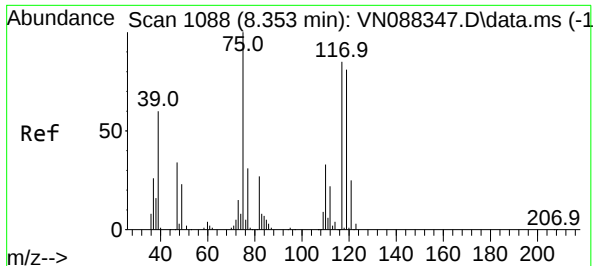
Ion Ratio Lower Upper

113 100

111 102.3 82.5 123.7

192 16.6 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.212 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088529.D

Acq: 16 Dec 2025 15:27

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

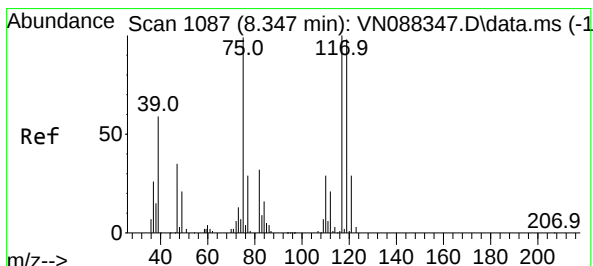
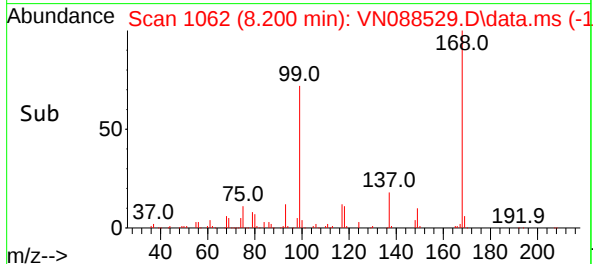
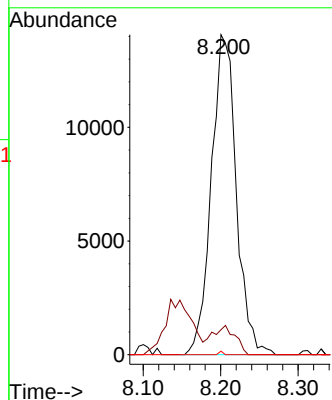
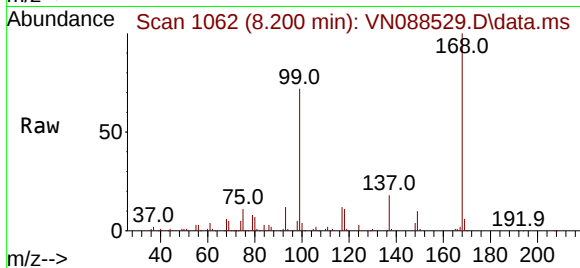
Tgt Ion: 75 Resp: 31454

Ion Ratio Lower Upper

75 100

110 8.6 15.8 47.4#

77 0.2 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.879 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.147 min

Lab File: VN088529.D

Acq: 16 Dec 2025 15:27

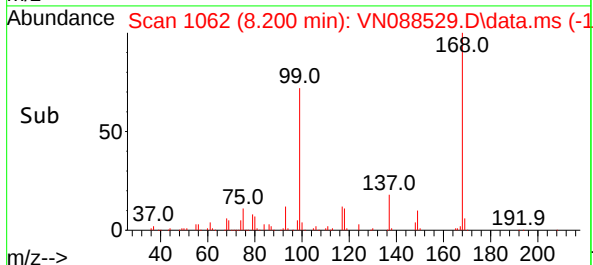
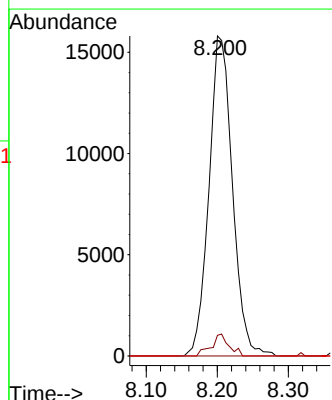
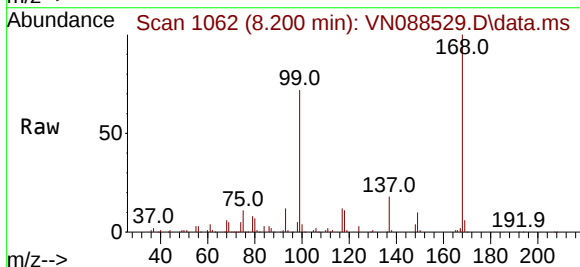
Tgt Ion: 117 Resp: 36275

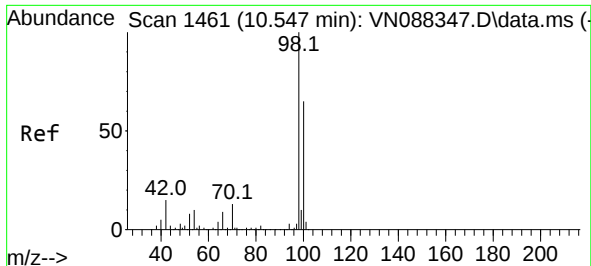
Ion Ratio Lower Upper

117 100

119 6.5 78.2 117.4#

121 0.0 23.4 35.2#

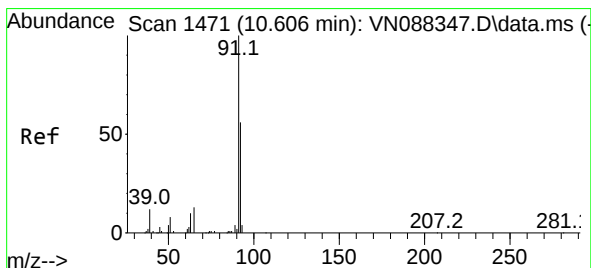
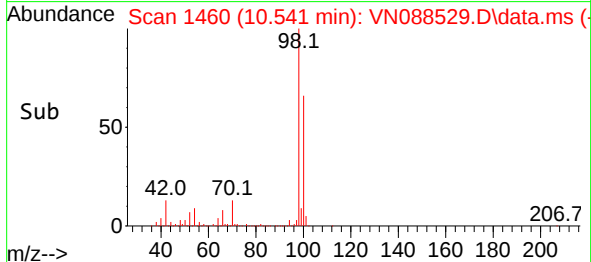
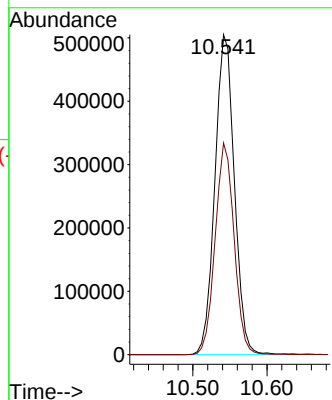
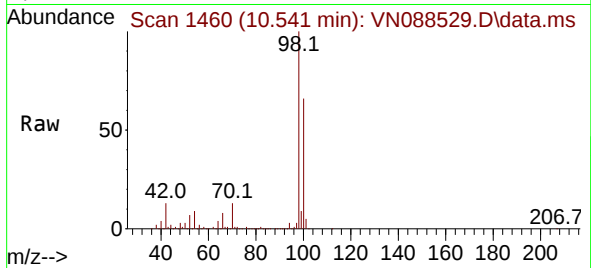




#50
Toluene-d8
Concen: 51.177 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

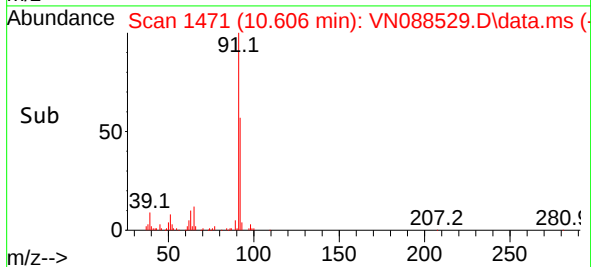
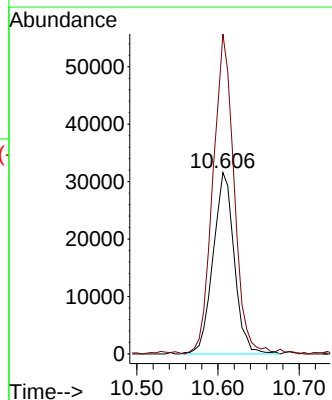
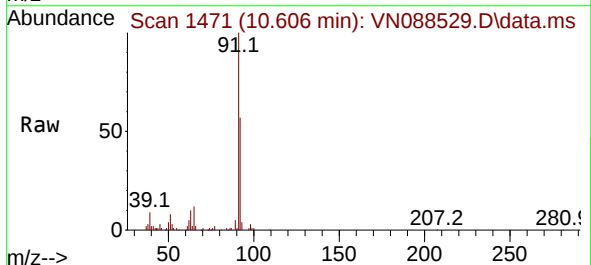
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

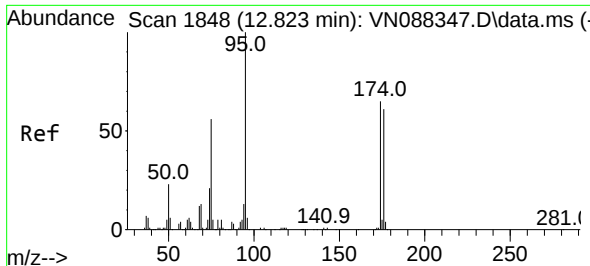
Tgt Ion: 98 Resp: 921453
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#52
Toluene
Concen: 4.533 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

Tgt Ion: 92 Resp: 57372
Ion Ratio Lower Upper
92 100
91 175.5 140.2 210.2

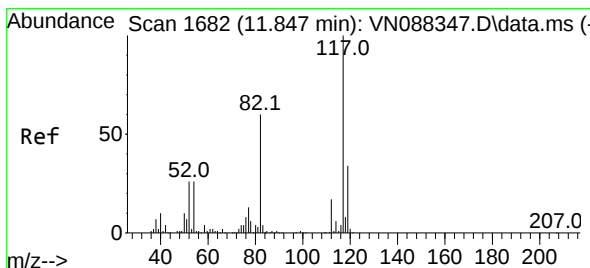
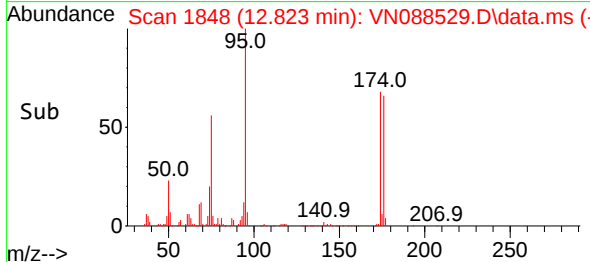
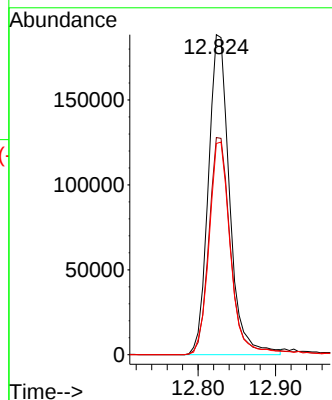
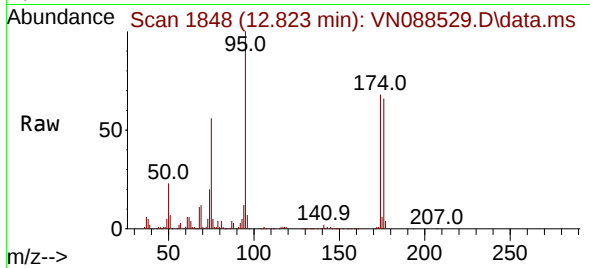




#62
4-Bromofluorobenzene
Concen: 57.980 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

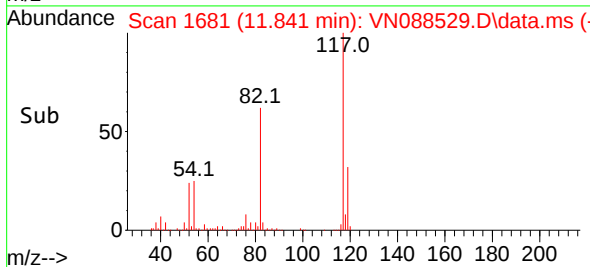
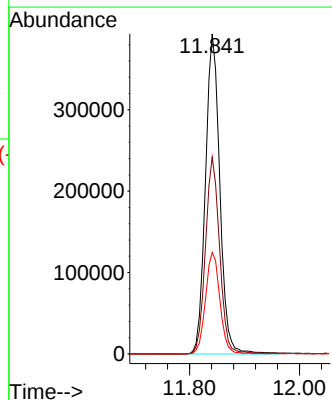
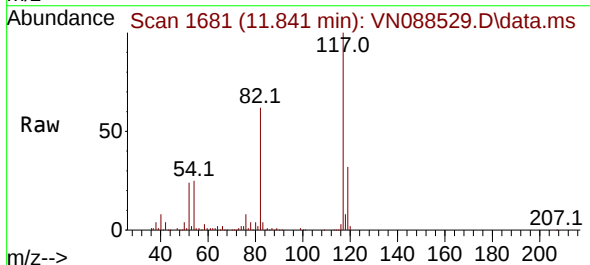
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

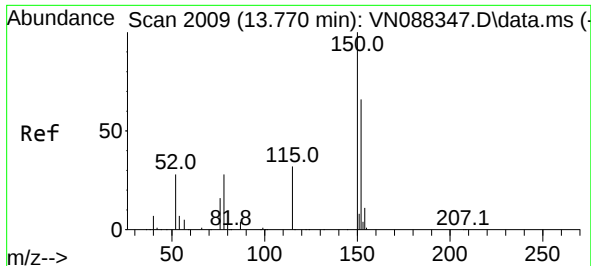
Tgt Ion: 95 Resp: 358201
Ion Ratio Lower Upper
95 100
174 71.0 0.0 139.0
176 68.4 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

Tgt Ion: 117 Resp: 713140
Ion Ratio Lower Upper
117 100
82 61.5 47.8 71.8
119 31.7 26.9 40.3

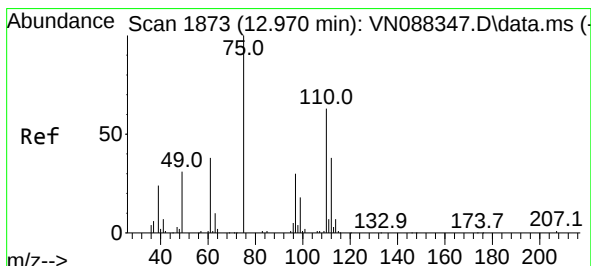
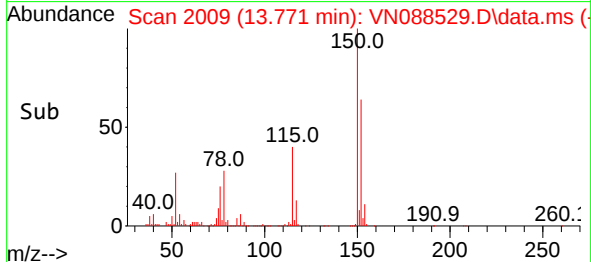
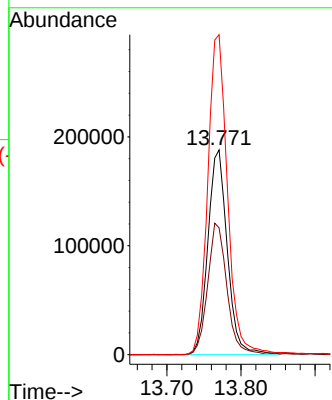
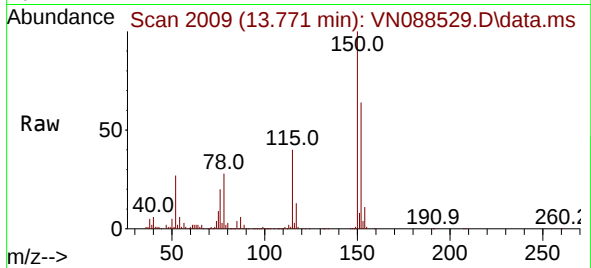




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088529.D
 Acq: 16 Dec 2025 15:27

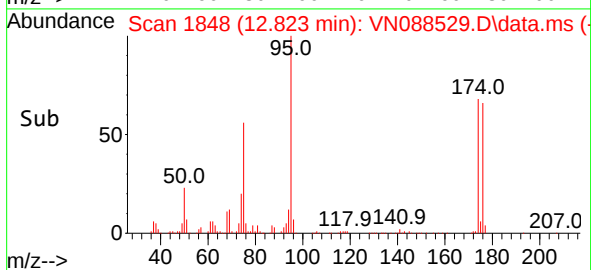
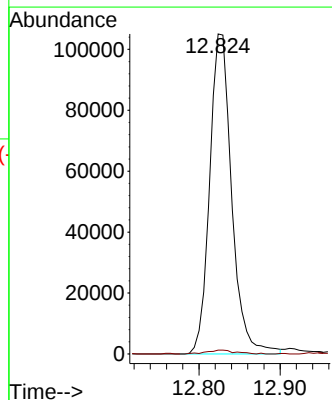
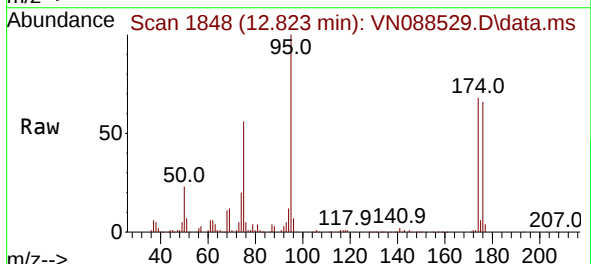
Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

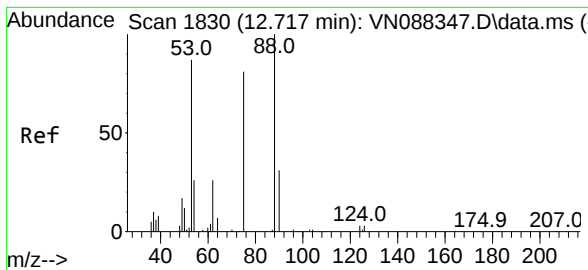
Tgt Ion:152 Resp: 343043
 Ion Ratio Lower Upper
 152 100
 115 64.3 33.0 98.9
 150 159.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.696 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. -0.147 min
 Lab File: VN088529.D
 Acq: 16 Dec 2025 15:27

Tgt Ion: 75 Resp: 198422
 Ion Ratio Lower Upper
 75 100
 77 1.5 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.060 ug/l
 RT: 12.823 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN088529.D
 Acq: 16 Dec 2025 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 198422
 Ion Ratio Lower Upper
 75 100
 53 0.0 92.2 138.4#
 89 0.0 0.0 0.0

