

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088459.D
 Acq On : 04 Dec 2025 19:52
 Operator : JC\MD
 Sample : Q3775-01 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NGKO

Quant Time: Dec 05 00:21:27 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)

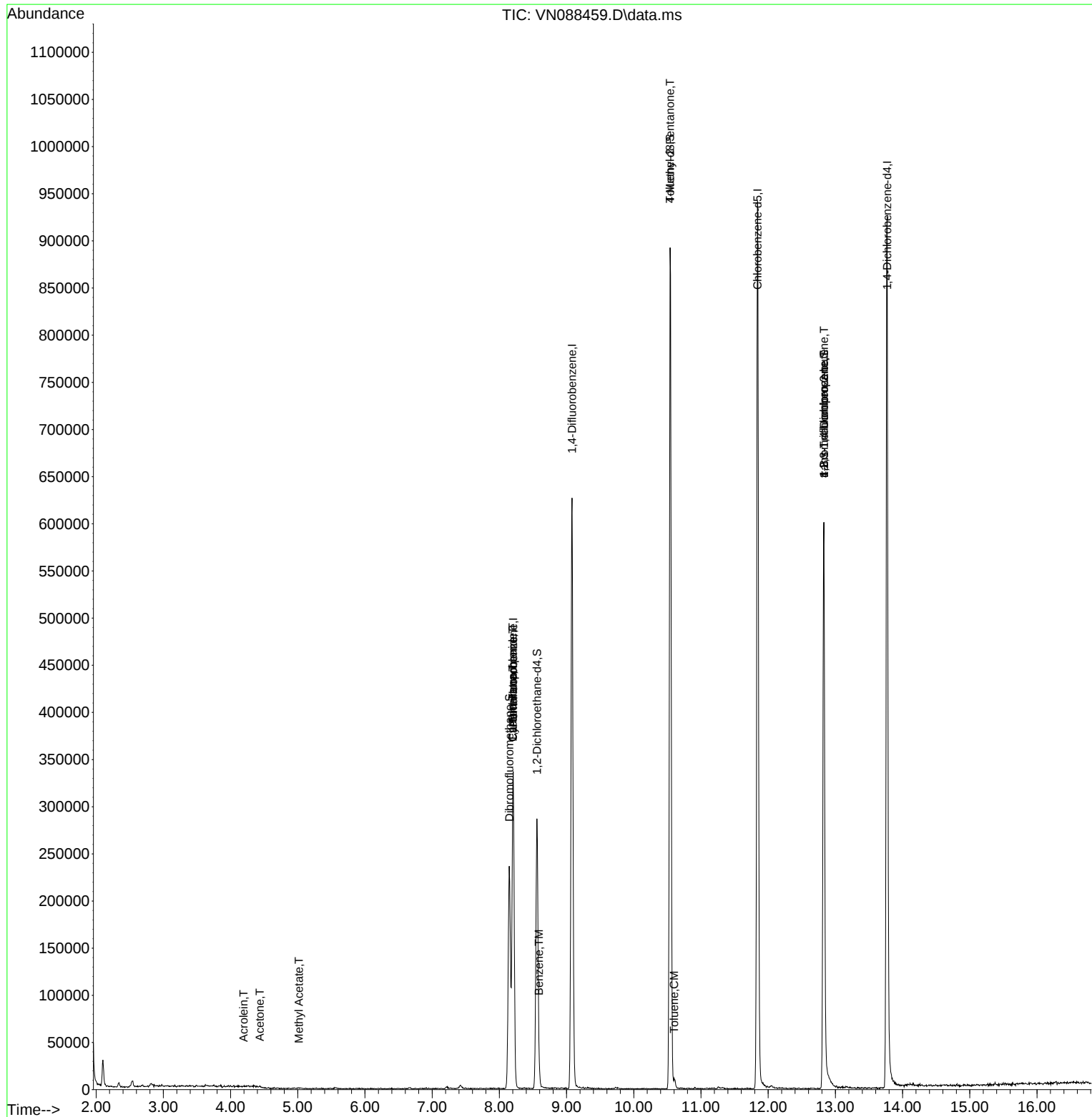
Internal Standards						
1) Pentafluorobenzene	8.206	168	214311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	504113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	504726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	243008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	241567	59.835	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 119.680%		
35) Dibromofluoromethane	8.147	113	167432	47.927	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 95.860%		
50) Toluene-d8	10.541	98	585200	45.021	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 90.040%		
62) 4-Bromofluorobenzene	12.829	95	229790	51.522	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 103.040%		
Target Compounds						
					Qvalue	
13) Acrolein	4.195	56	227	0.368	ug/l	90
16) Acetone	4.436	43	3667	2.512	ug/l	97
18) Methyl Acetate	5.018	43	1156	0.266	ug/l #	53
31) Cyclohexane	8.200	56	6727	1.267	ug/l #	18
36) 1,1-Dichloropropene	8.200	75	22184	4.115	ug/l #	51
38) Carbon Tetrachloride	8.200	117	26160	4.874	ug/l #	15
40) Benzene	8.588	78	4218	0.267	ug/l	99
51) 4-Methyl-2-Pentanone	10.541	43	3726	0.584	ug/l #	1
52) Toluene	10.600	92	3453	0.378	ug/l	95
76) 1,2,3-Trichloropropane	12.829	75	130290	22.891	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	130290	64.941	ug/l #	1

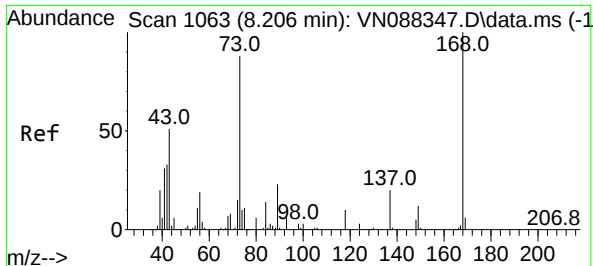
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

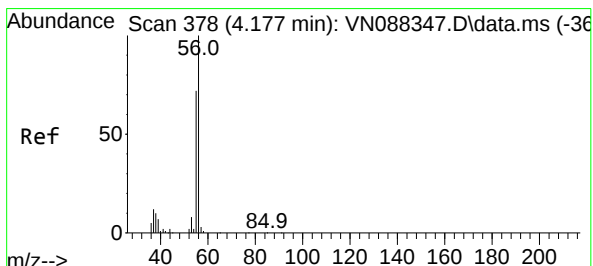
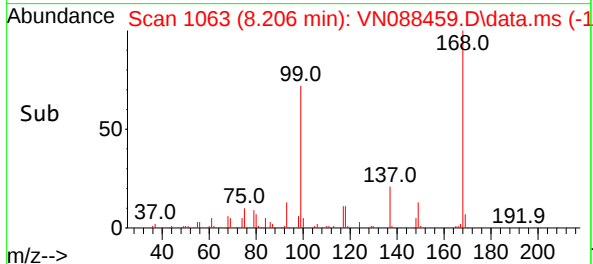
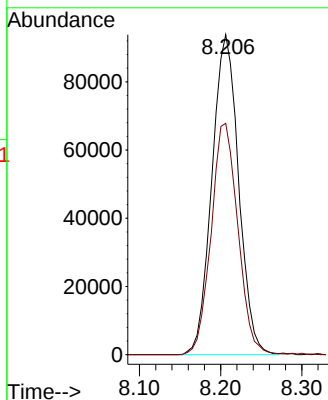
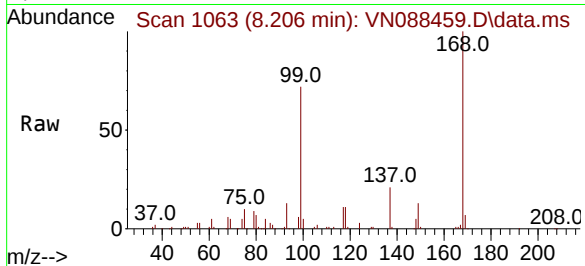




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088459.D
Acq: 04 Dec 2025 19:52

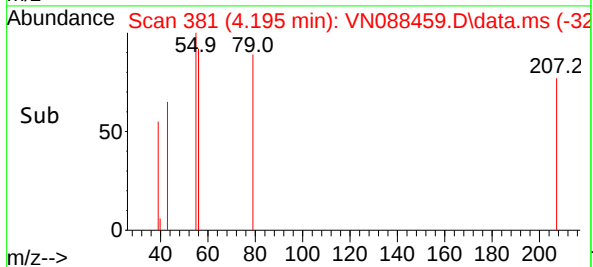
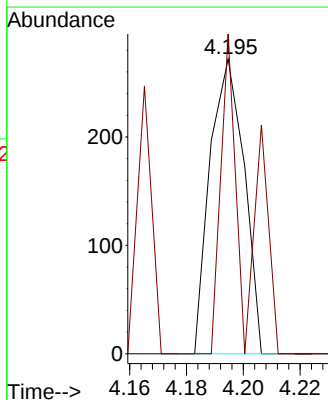
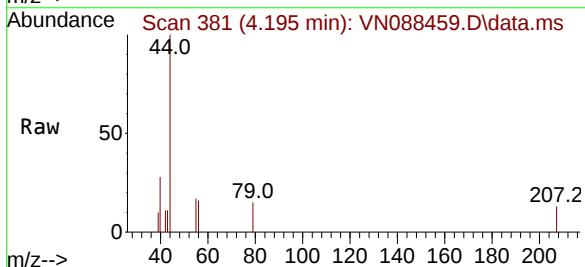
Instrument :
MSVOA_N
ClientSampleId :
NGKO

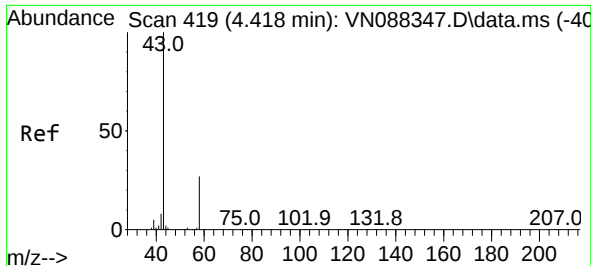
Tgt Ion:168 Resp: 214311
Ion Ratio Lower Upper
168 100
99 72.3 57.1 85.7



#13
Acrolein
Concen: 0.368 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN088459.D
Acq: 04 Dec 2025 19:52

Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 78.9 56.3 84.5

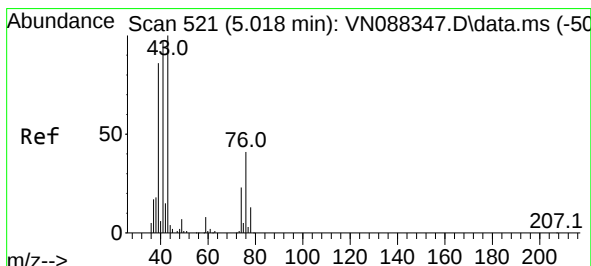
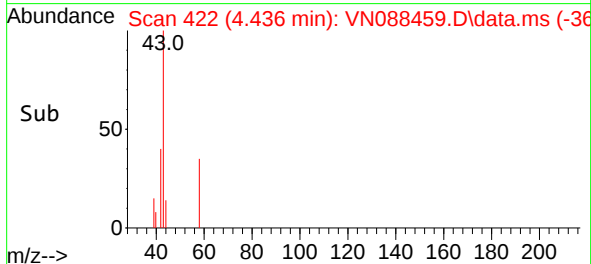
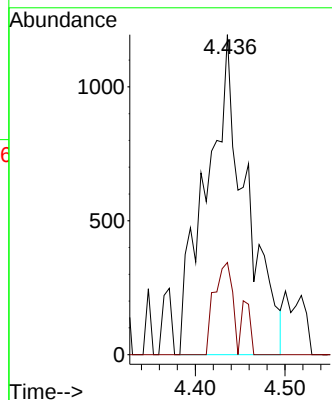
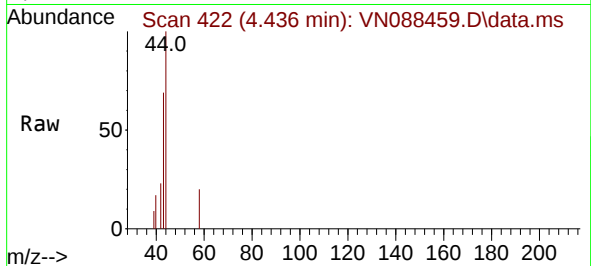




#16
Acetone
Concen: 2.512 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN088459.D
Acq: 04 Dec 2025 19:52

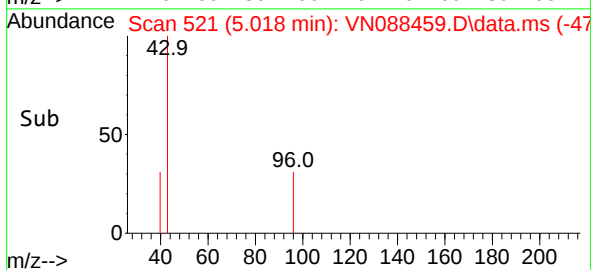
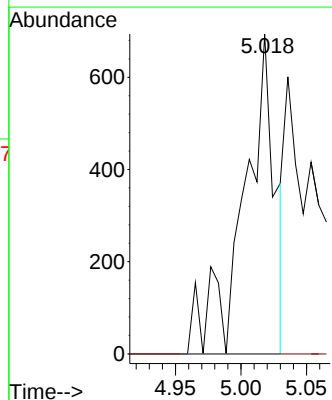
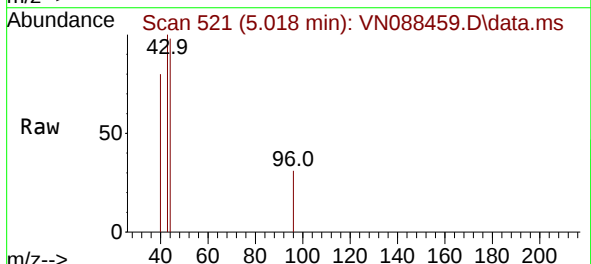
Instrument :
MSVOA_N
ClientSampleId :
NGKO

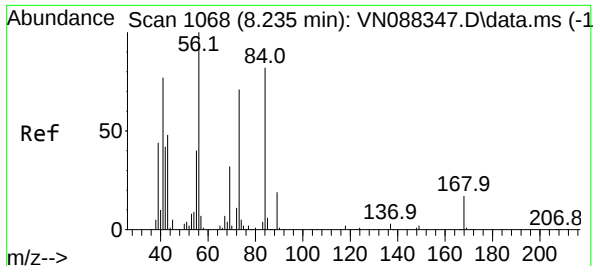
Tgt Ion: 43 Resp: 3667
Ion Ratio Lower Upper
43 100
58 28.8 21.7 32.5



#18
Methyl Acetate
Concen: 0.266 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN088459.D
Acq: 04 Dec 2025 19:52

Tgt Ion: 43 Resp: 1156
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#





#31

Cyclohexane

Concen: 1.267 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.035 min

Lab File: VN088459.D

Acq: 04 Dec 2025 19:52

Instrument :

MSVOA_N

ClientSampleId :

NGKO

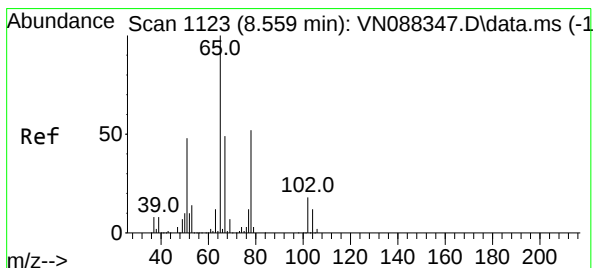
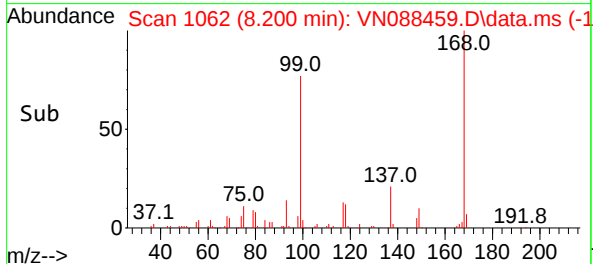
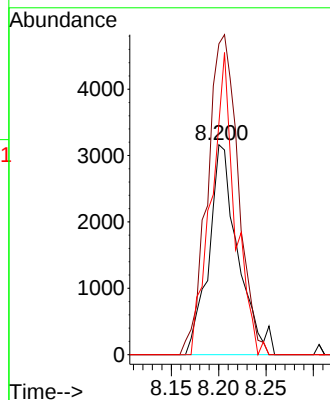
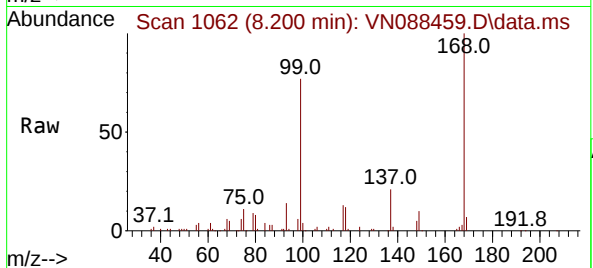
Tgt Ion: 56 Resp: 6727

Ion Ratio Lower Upper

56 100

69 148.1 25.3 37.9#

84 110.3 65.4 98.2#



#33

1,2-Dichloroethane-d4

Concen: 59.835 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088459.D

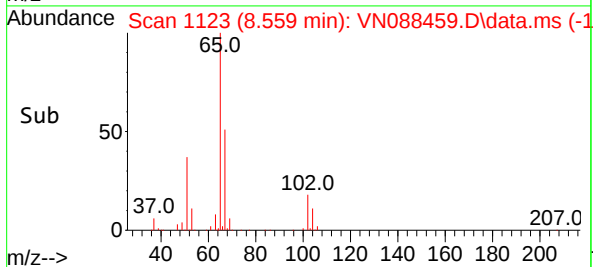
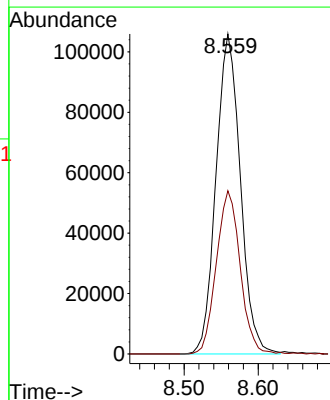
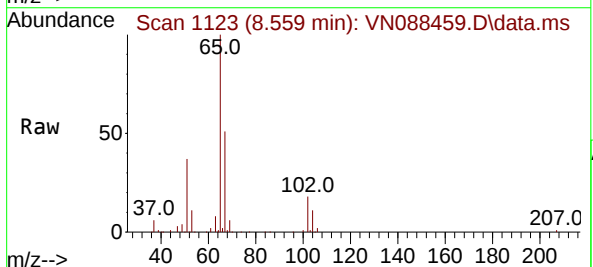
Acq: 04 Dec 2025 19:52

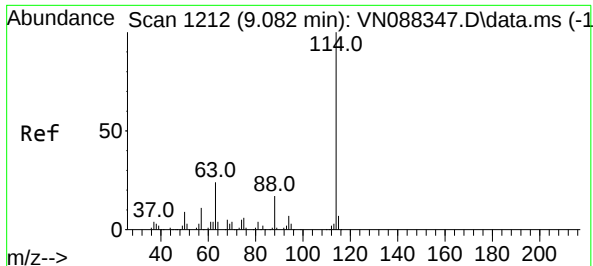
Tgt Ion: 65 Resp: 241567

Ion Ratio Lower Upper

65 100

67 50.0 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: VN088459.D

Acq: 04 Dec 2025 19:52

Instrument :

MSVOA_N

ClientSampleId :

NGKO

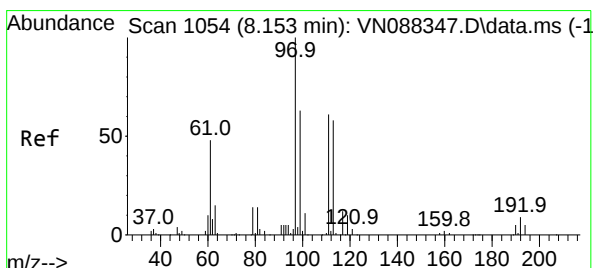
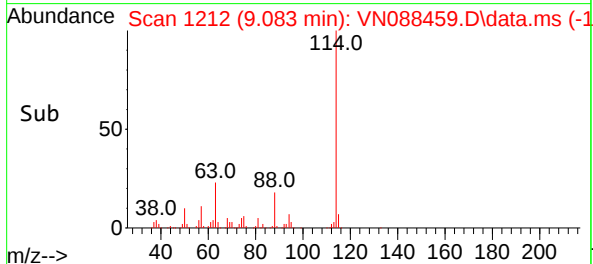
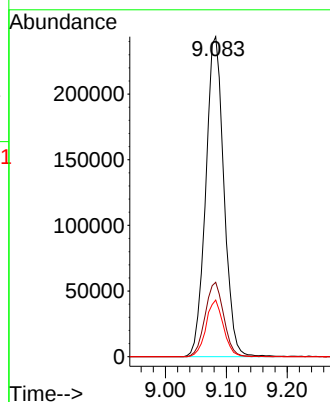
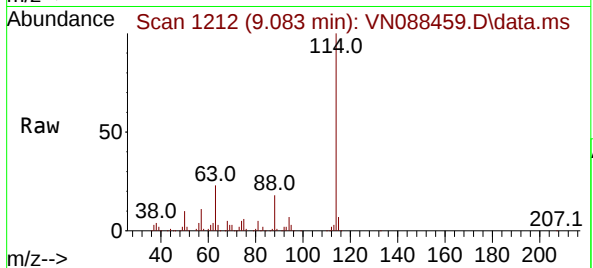
Tgt Ion:114 Resp: 504113

Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.0

88 17.7 0.0 34.0



#35

Dibromofluoromethane

Concen: 47.927 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088459.D

Acq: 04 Dec 2025 19:52

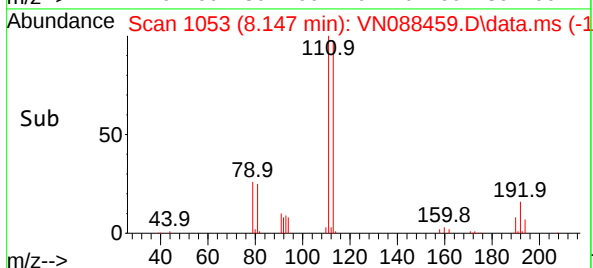
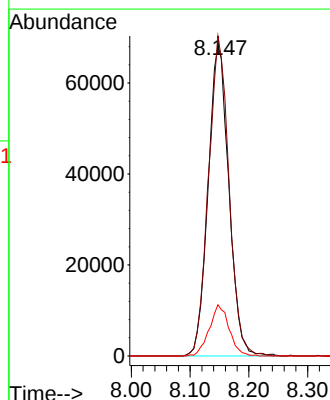
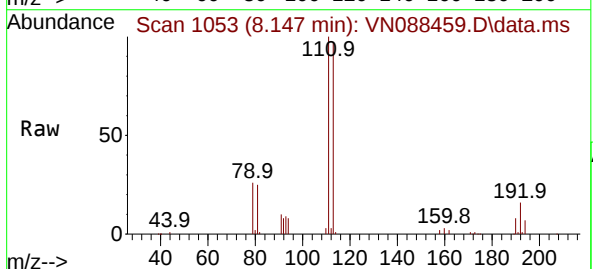
Tgt Ion:113 Resp: 167432

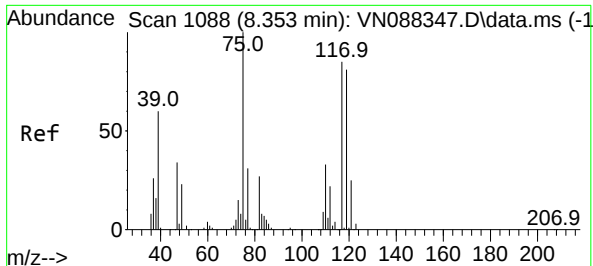
Ion Ratio Lower Upper

113 100

111 101.8 82.5 123.7

192 15.8 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.115 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088459.D

Acq: 04 Dec 2025 19:52

Instrument :

MSVOA_N

ClientSampleId :

NGKO

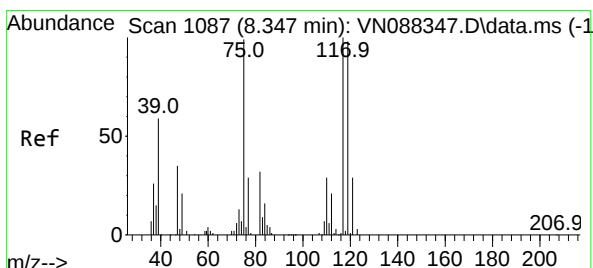
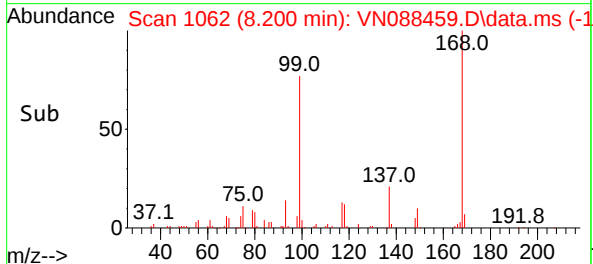
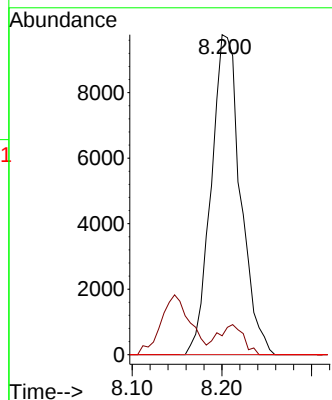
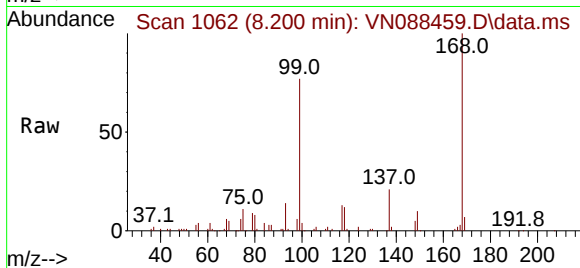
Tgt Ion: 75 Resp: 22184

Ion Ratio Lower Upper

75 100

110 8.2 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.874 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.147 min

Lab File: VN088459.D

Acq: 04 Dec 2025 19:52

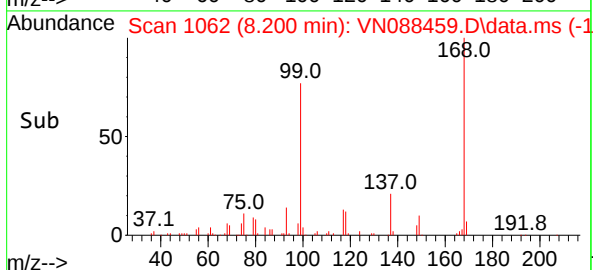
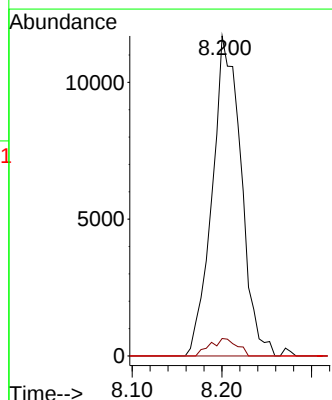
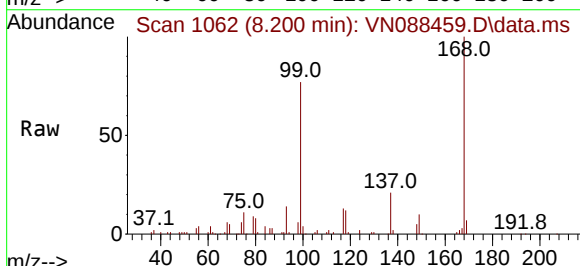
Tgt Ion: 117 Resp: 26160

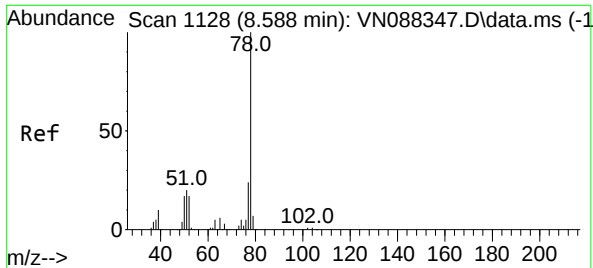
Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.4#

121 0.0 23.4 35.2#

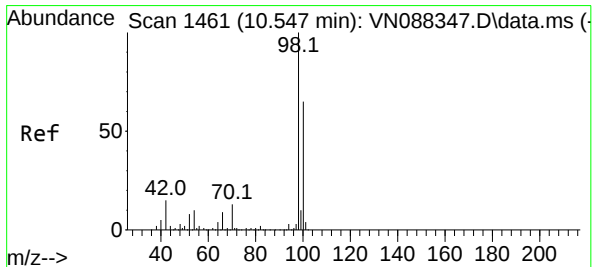
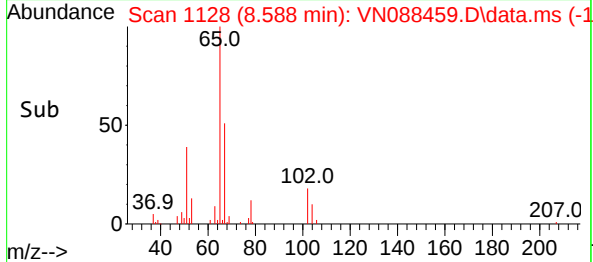
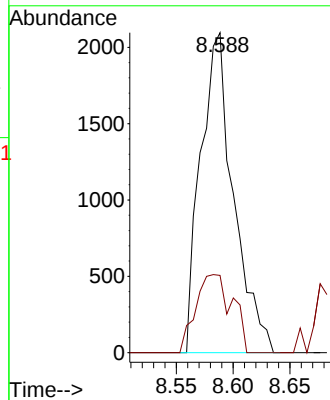
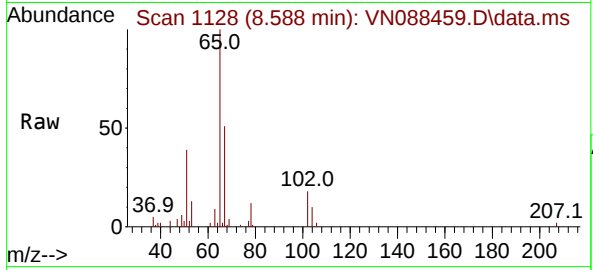




#40
Benzene
Concen: 0.267 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088459.D
Acq: 04 Dec 2025 19:52

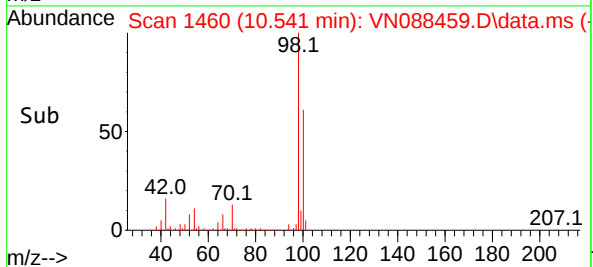
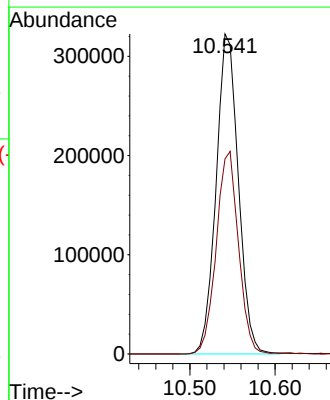
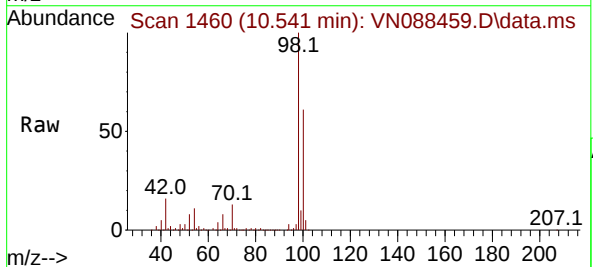
Instrument :
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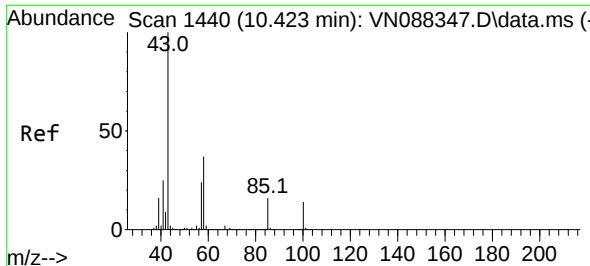
Tgt Ion: 78 Resp: 4218
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4



#50
Toluene-d8
Concen: 45.021 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088459.D
Acq: 04 Dec 2025 19:52

Tgt Ion: 98 Resp: 585200
Ion Ratio Lower Upper
98 100
100 63.4 52.2 78.2

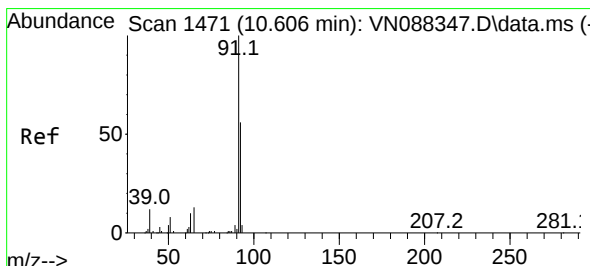
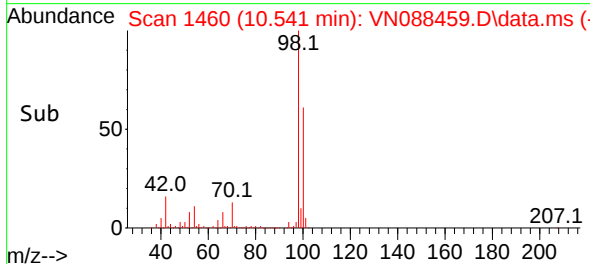
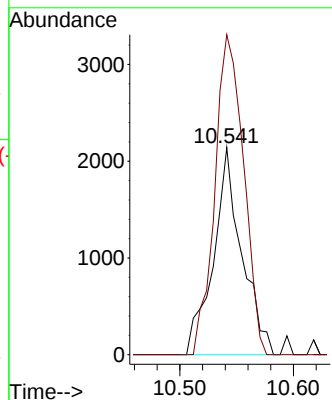
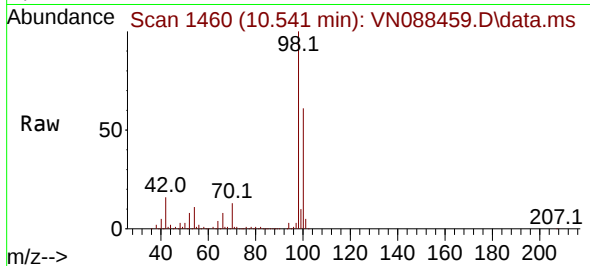




#51
4-Methyl-2-Pentanone
Concen: 0.584 ug/l
RT: 10.541 min Scan# 1440
Delta R.T. 0.118 min
Lab File: VN088459.D
Acq: 04 Dec 2025 19:52

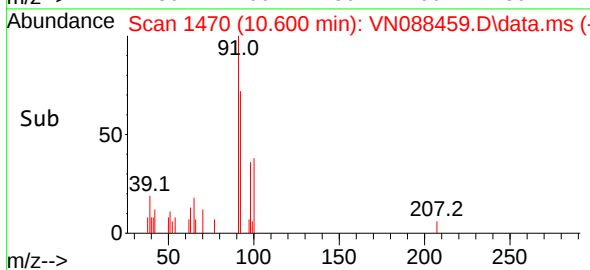
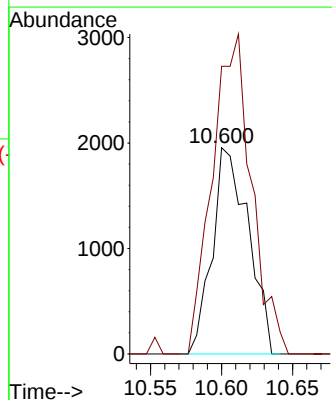
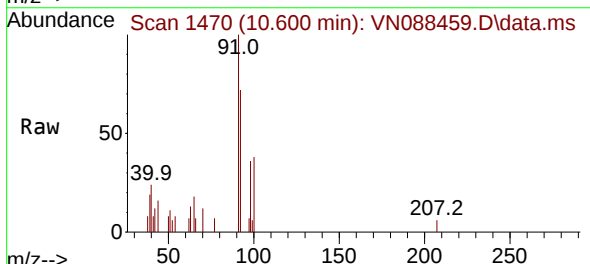
Instrument :
MSVOA_N
ClientSampleId :
NGKO

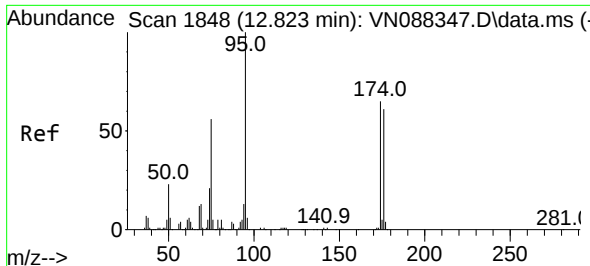
Tgt Ion: 43 Resp: 3726
Ion Ratio Lower Upper
43 100
58 156.5 29.1 43.7#



#52
Toluene
Concen: 0.378 ug/l
RT: 10.600 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VN088459.D
Acq: 04 Dec 2025 19:52

Tgt Ion: 92 Resp: 3453
Ion Ratio Lower Upper
92 100
91 168.9 140.2 210.2

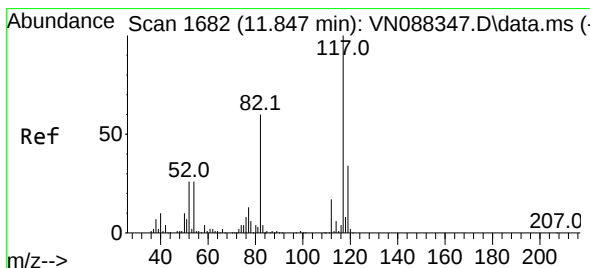
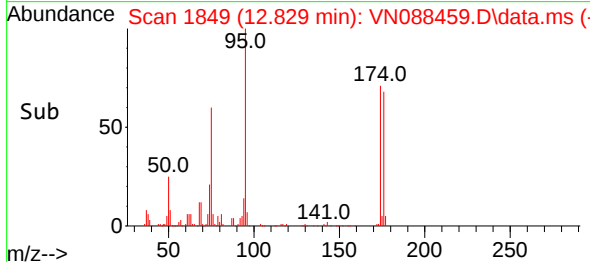
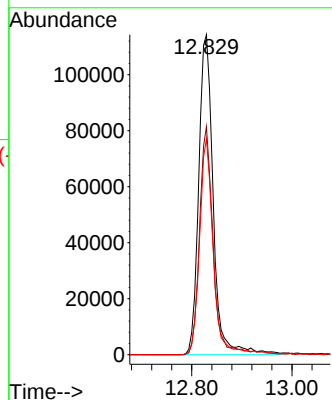
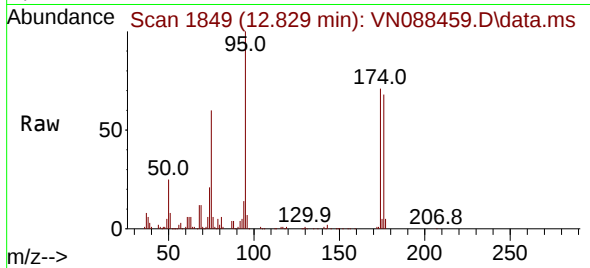




#62
4-Bromofluorobenzene
Concen: 51.522 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088459.D
Acq: 04 Dec 2025 19:52

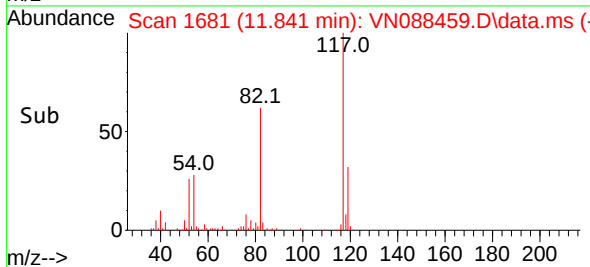
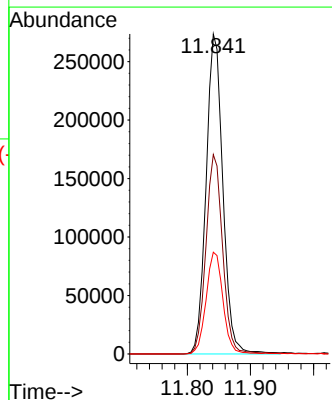
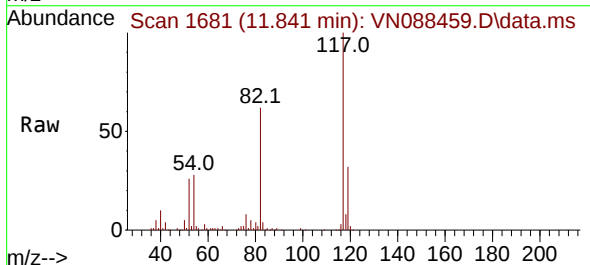
Instrument :
MSVOA_N
ClientSampleId :
NGKO

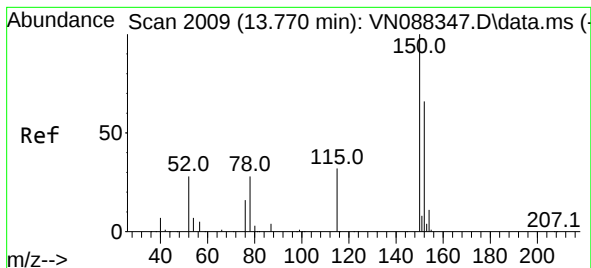
Tgt Ion: 95 Resp: 229790
Ion Ratio Lower Upper
95 100
174 65.7 0.0 139.0
176 64.2 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088459.D
Acq: 04 Dec 2025 19:52

Tgt Ion: 117 Resp: 504726
Ion Ratio Lower Upper
117 100
82 62.3 47.8 71.8
119 31.8 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: VN088459.D

Acq: 04 Dec 2025 19:52

Instrument :

MSVOA_N

ClientSampleId :

NGKO

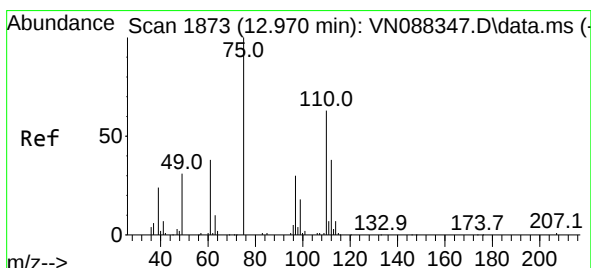
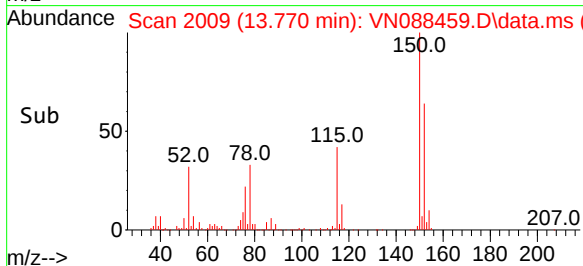
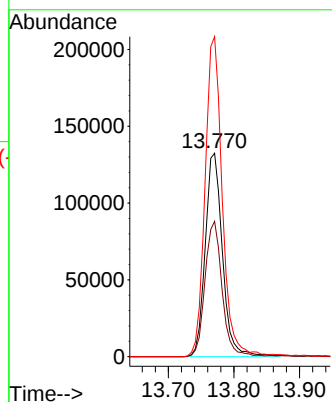
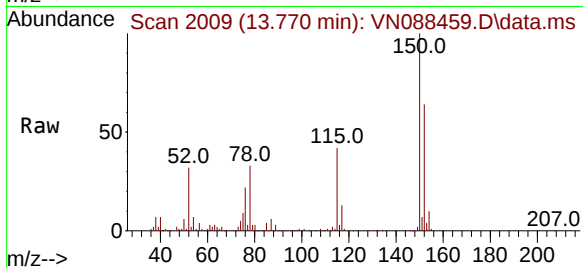
Tgt Ion:152 Resp: 243008

Ion Ratio Lower Upper

152 100

115 65.8 33.0 98.9

150 156.3 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 22.891 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN088459.D

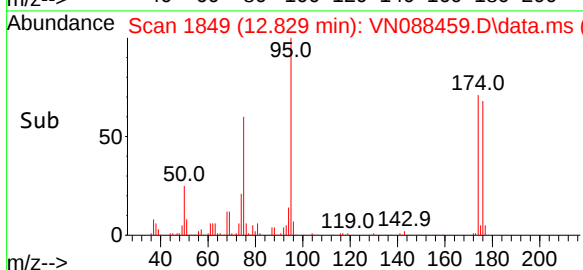
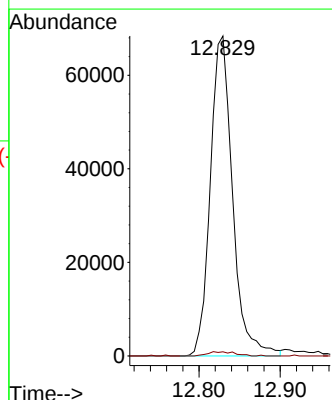
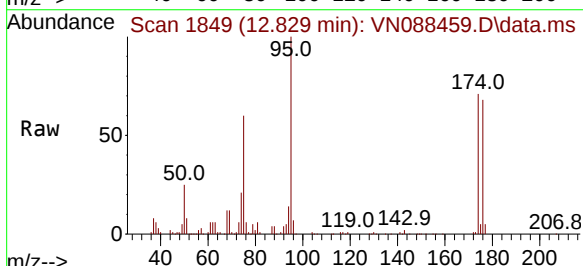
Acq: 04 Dec 2025 19:52

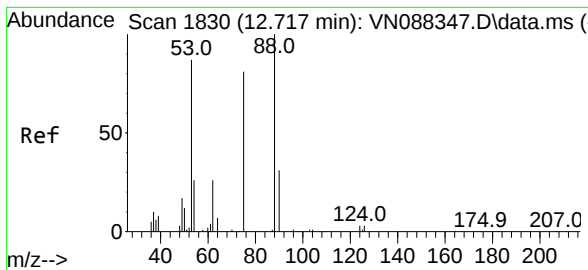
Tgt Ion: 75 Resp: 130290

Ion Ratio Lower Upper

75 100

77 1.6 87.2 261.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 64.941 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN088459.D
Acq: 04 Dec 2025 19:52

Instrument :
MSVOA_N
ClientSampleId :
NGKO

Tgt Ion: 75 Resp: 130290
Ion Ratio Lower Upper
75 100
53 0.2 92.2 138.4#
89 0.0 0.0 0.0#

