

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088402.D
 Acq On : 02 Dec 2025 12:14
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 01:26:59 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	189961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	447628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	443956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	210750	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	229906	64.247	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	128.500%#
35) Dibromofluoromethane	8.147	113	163237	52.622	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.240%
50) Toluene-d8	10.541	98	578968	50.162	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.320%
62) 4-Bromofluorobenzene	12.829	95	215462	54.406	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.820%

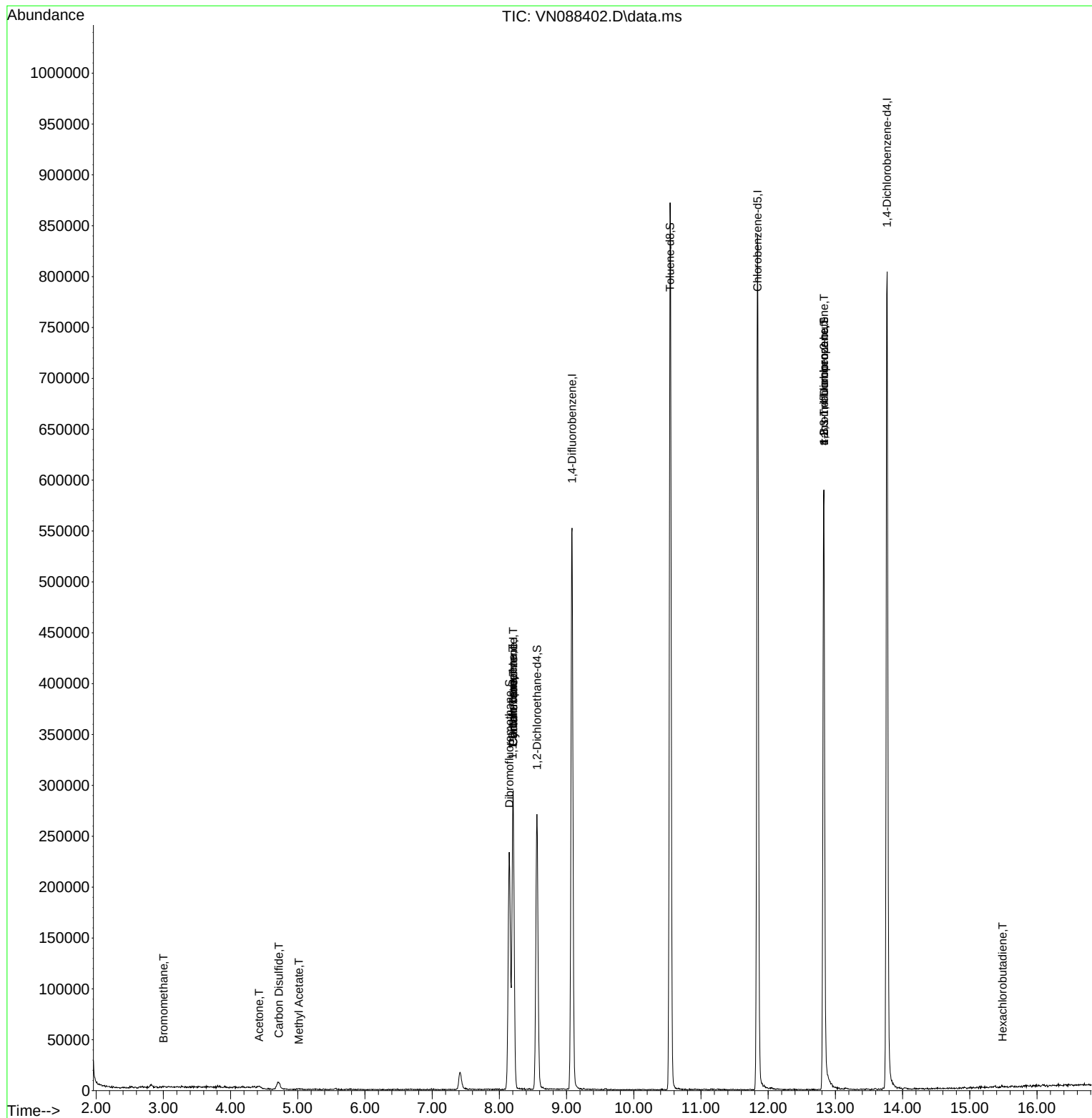
Target Compounds					Qvalue	
5) Bromomethane	3.000	94	366	0.244	ug/l #	4
16) Acetone	4.424	43	4271	3.300	ug/l #	68
17) Carbon Disulfide	4.718	76	1586	0.209	ug/l #	76
18) Methyl Acetate	5.018	43	1562	0.405	ug/l #	64
31) Cyclohexane	8.206	56	6132	1.303	ug/l #	15
36) 1,1-Dichloropropene	8.200	75	19532	4.080	ug/l #	53
38) Carbon Tetrachloride	8.206	117	22778	4.779	ug/l #	15
76) 1,2,3-Trichloropropane	12.829	75	125222	25.368	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	125222	71.969	ug/l #	1
94) Hexachlorobutadiene	15.488	225	344	0.247	ug/l #	19

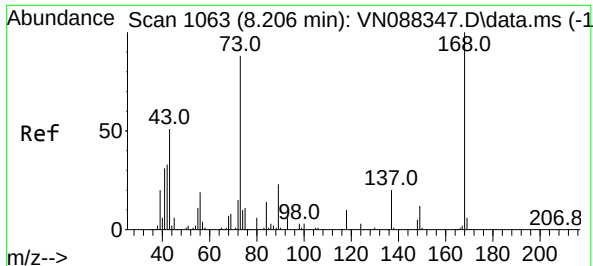
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

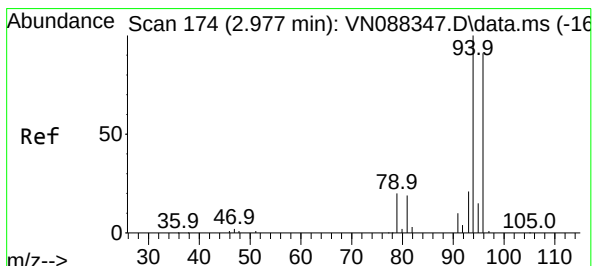
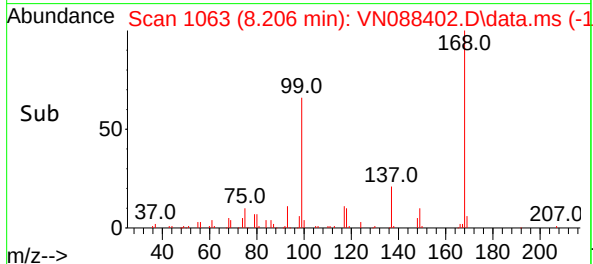
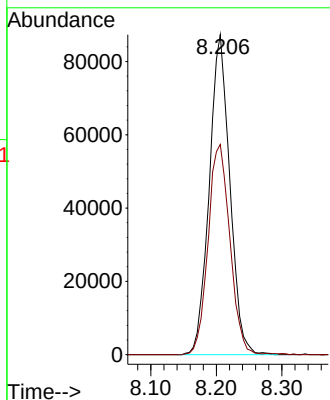
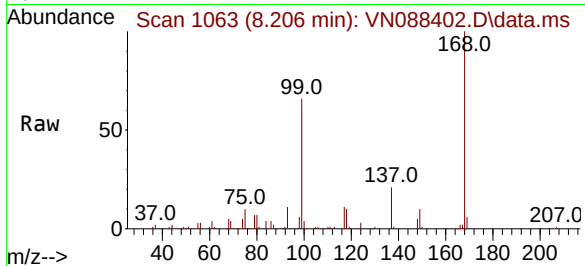




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088402.D
Acq: 02 Dec 2025 12:14

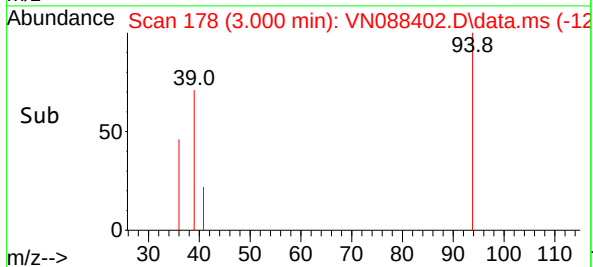
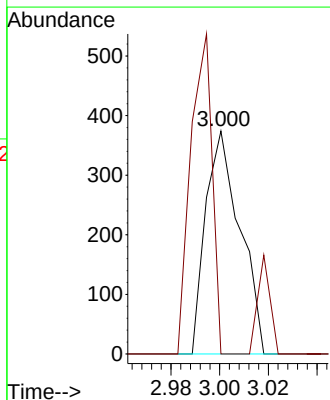
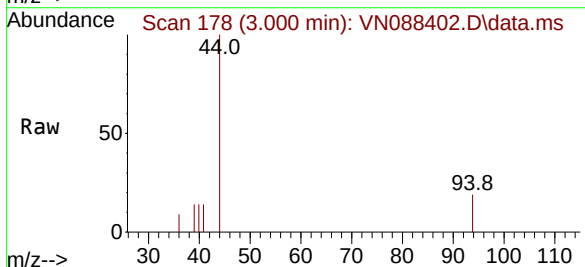
Instrument :
MSVOA_N
ClientSampleId :

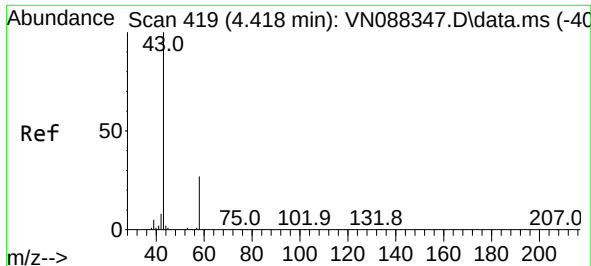
Tgt Ion:168 Resp: 189961
Ion Ratio Lower Upper
168 100
99 65.7 57.1 85.7



#5
Bromomethane
Concen: 0.244 ug/l
RT: 3.000 min Scan# 178
Delta R.T. 0.024 min
Lab File: VN088402.D
Acq: 02 Dec 2025 12:14

Tgt Ion: 94 Resp: 366
Ion Ratio Lower Upper
94 100
96 0.0 73.2 109.8#

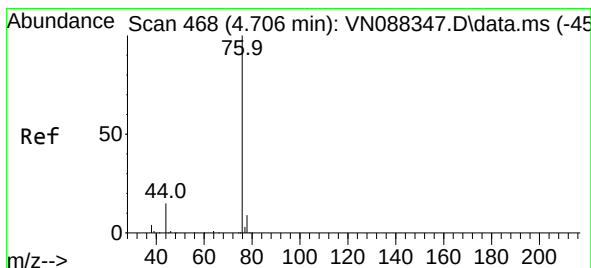
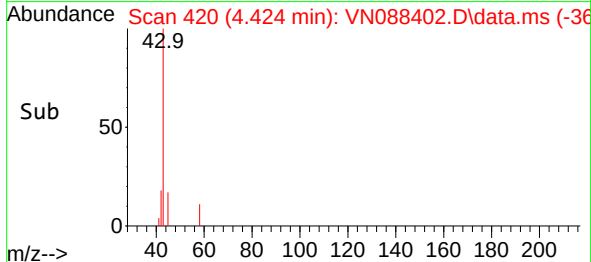
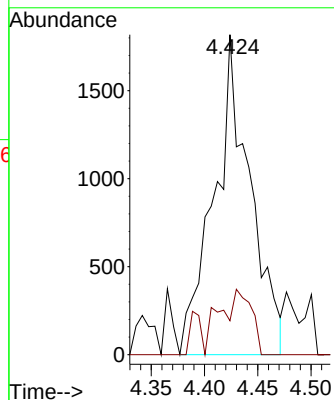
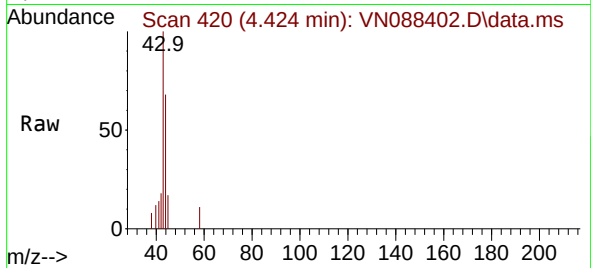




#16
Acetone
Concen: 3.300 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN088402.D
Acq: 02 Dec 2025 12:14

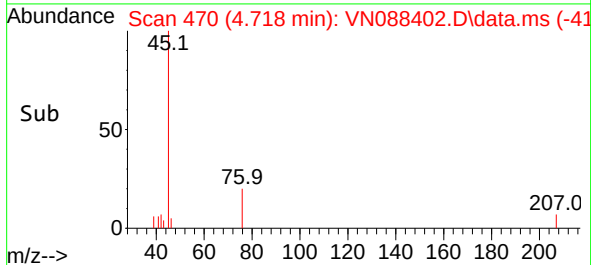
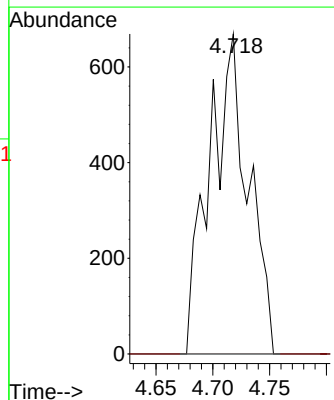
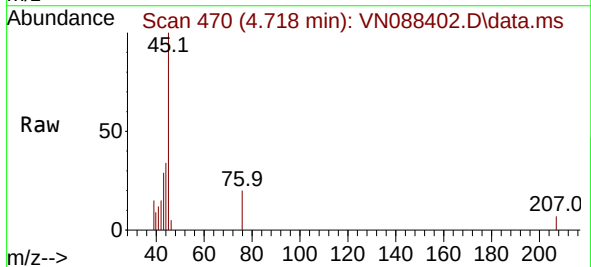
Instrument :
MSVOA_N
ClientSampleId :

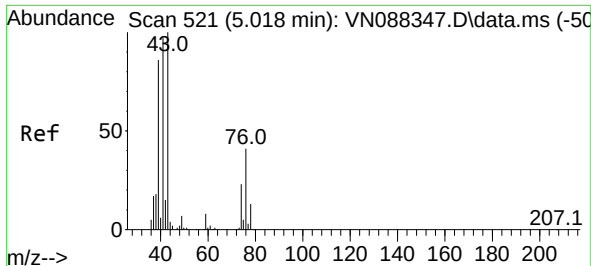
Tgt Ion: 43 Resp: 4271
Ion Ratio Lower Upper
43 100
58 10.6 21.7 32.5#



#17
Carbon Disulfide
Concen: 0.209 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.012 min
Lab File: VN088402.D
Acq: 02 Dec 2025 12:14

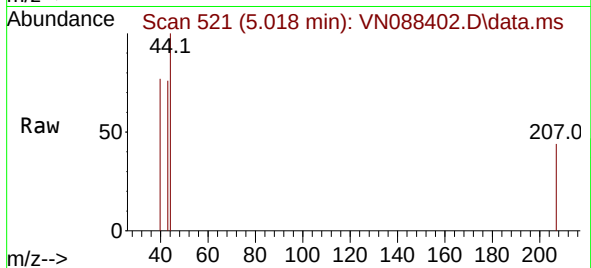
Tgt Ion: 76 Resp: 1586
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



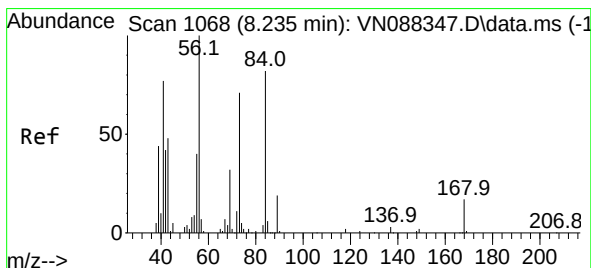
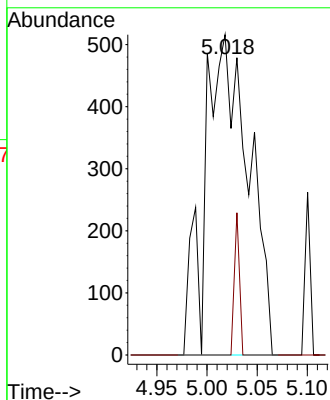
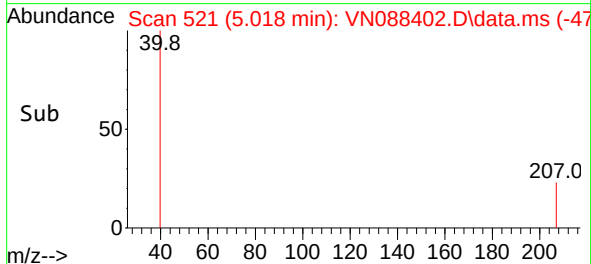


#18
Methyl Acetate
Concen: 0.405 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN088402.D
Acq: 02 Dec 2025 12:14

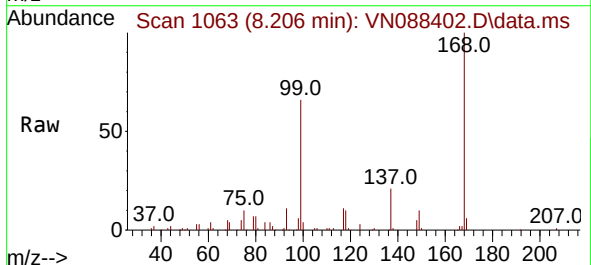
Instrument :
MSVOA_N
ClientSampleId :



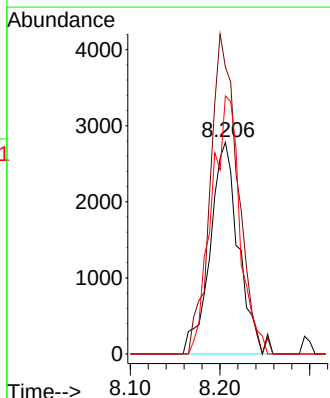
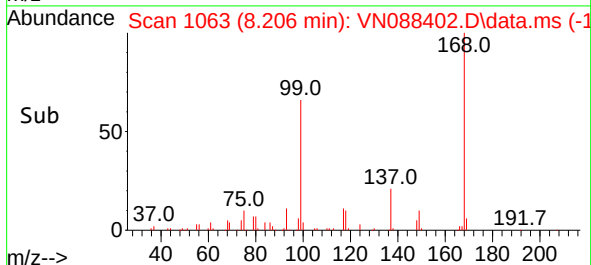
Tgt Ion: 43 Resp: 1562
Ion Ratio Lower Upper
43 100
74 5.2 17.9 26.9#

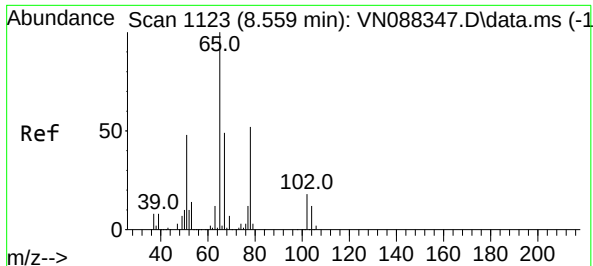


#31
Cyclohexane
Concen: 1.303 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088402.D
Acq: 02 Dec 2025 12:14



Tgt Ion: 56 Resp: 6132
Ion Ratio Lower Upper
56 100
69 135.5 25.3 37.9#
84 121.9 65.4 98.2#





#33

1,2-Dichloroethane-d4

Concen: 64.247 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088402.D

Acq: 02 Dec 2025 12:14

Instrument :

MSVOA_N

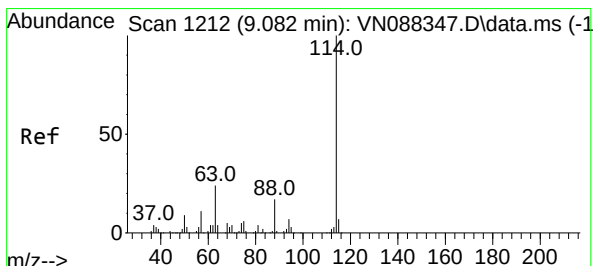
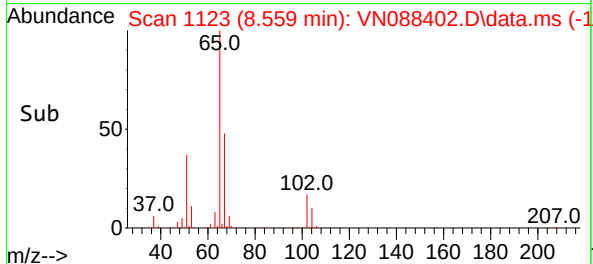
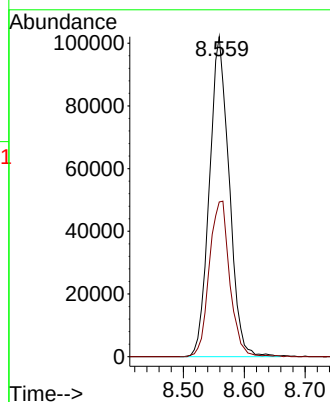
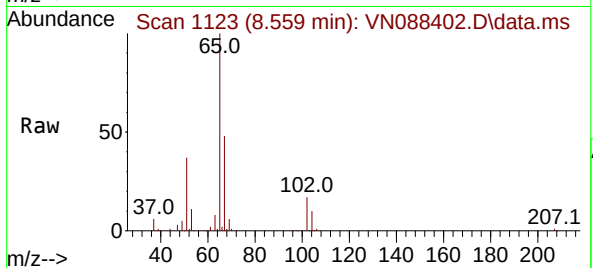
ClientSampleId :

Tgt Ion: 65 Resp: 229906

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: VN088402.D

Acq: 02 Dec 2025 12:14

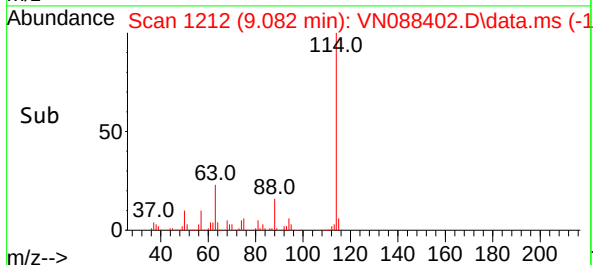
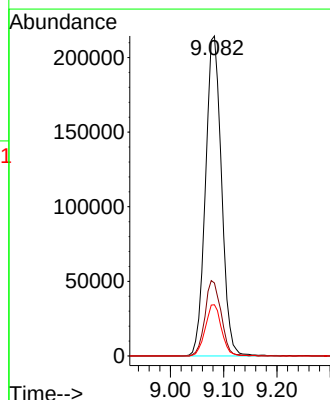
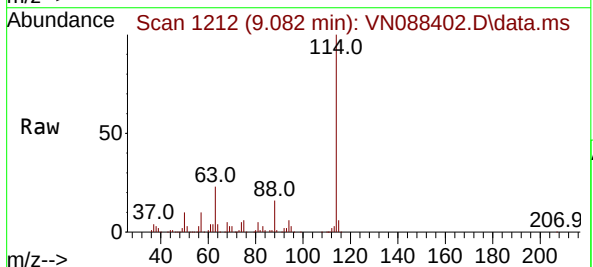
Tgt Ion: 114 Resp: 447628

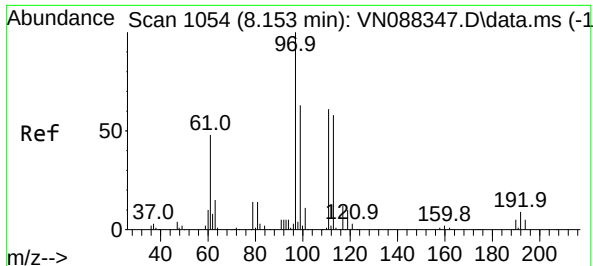
Ion Ratio Lower Upper

114 100

63 22.8 0.0 49.0

88 16.0 0.0 34.0





#35

Dibromofluoromethane

Concen: 52.622 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

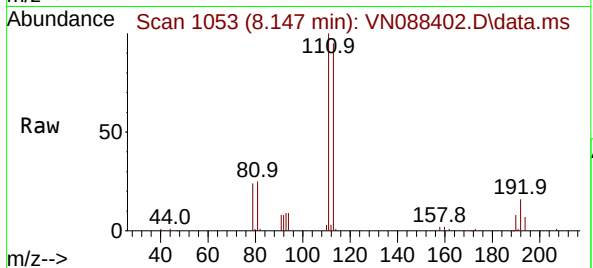
Lab File: VN088402.D

Acq: 02 Dec 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :



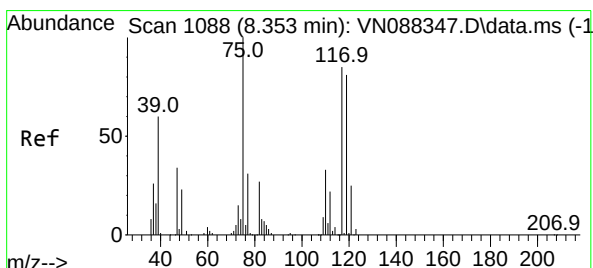
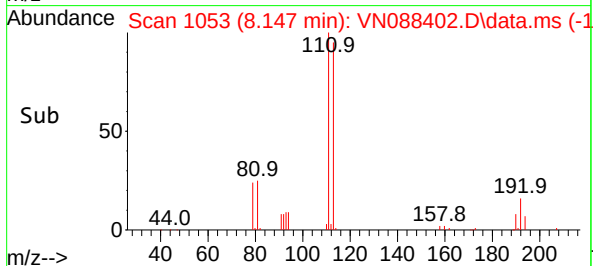
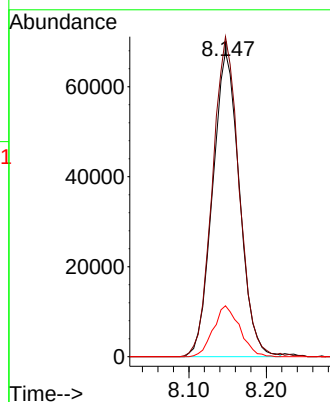
Tgt Ion:113 Resp: 163237

Ion Ratio Lower Upper

113 100

111 104.5 82.5 123.7

192 16.5 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.080 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088402.D

Acq: 02 Dec 2025 12:14

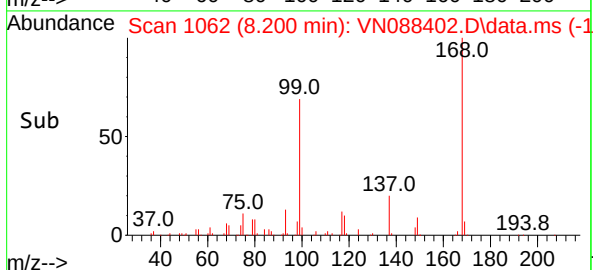
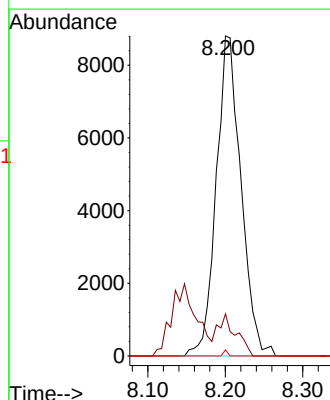
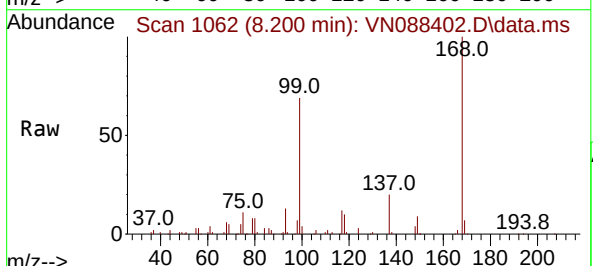
Tgt Ion: 75 Resp: 19532

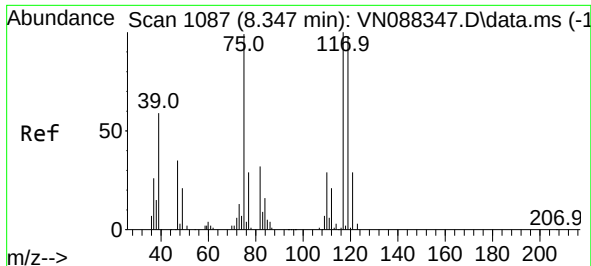
Ion Ratio Lower Upper

75 100

110 9.6 15.8 47.4#

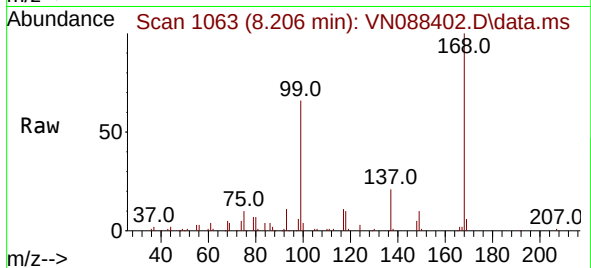
77 0.3 24.2 36.2#



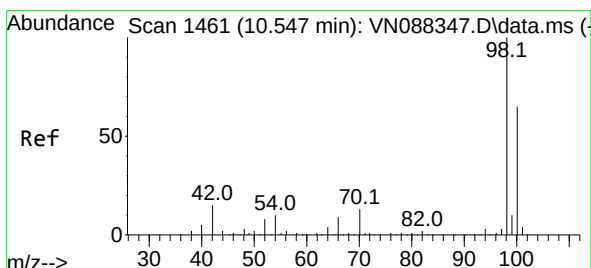
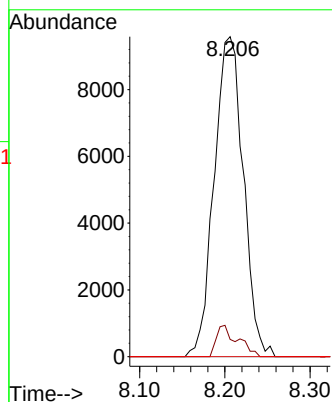
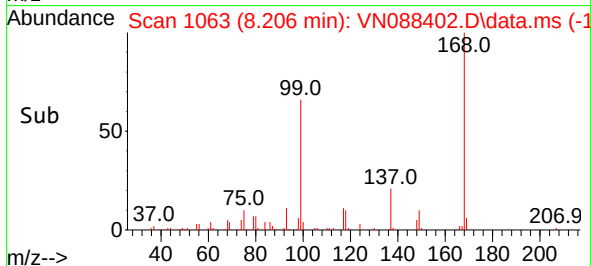


#38
Carbon Tetrachloride
Concen: 4.779 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN088402.D
Acq: 02 Dec 2025 12:14

Instrument :
MSVOA_N
ClientSampleId :

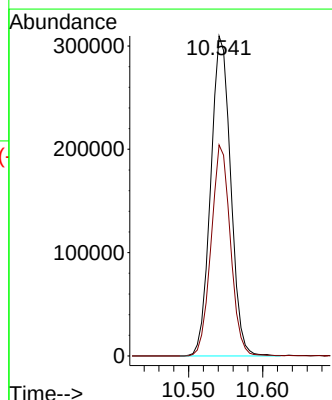
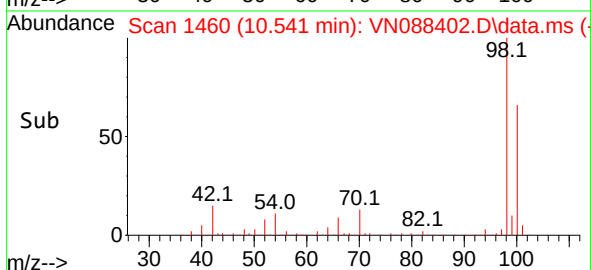
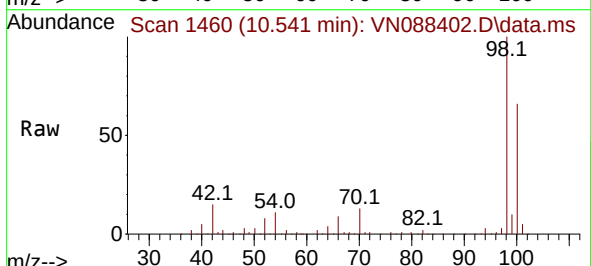


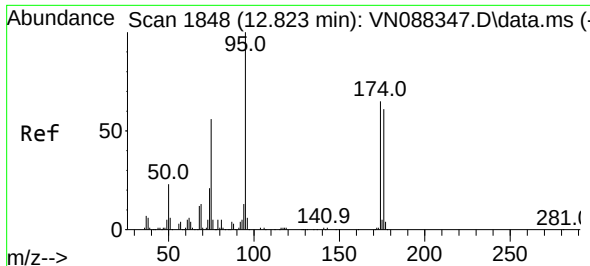
Tgt Ion:117 Resp: 22778
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.4#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 50.162 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088402.D
Acq: 02 Dec 2025 12:14

Tgt Ion: 98 Resp: 578968
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2

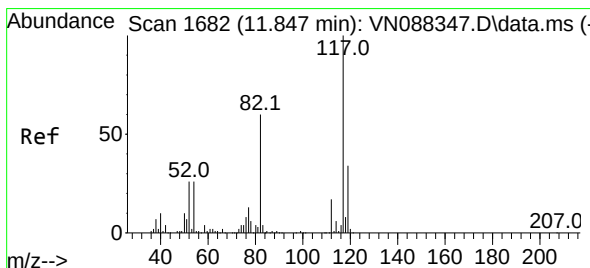
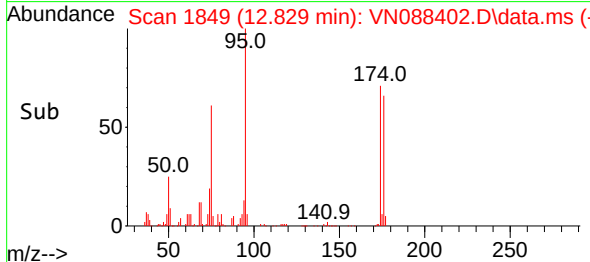
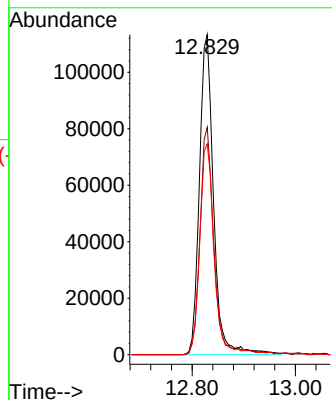
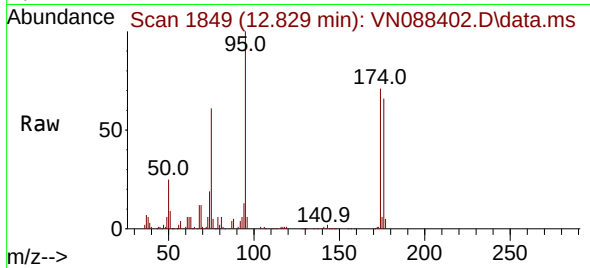




#62
4-Bromofluorobenzene
Concen: 54.406 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088402.D
Acq: 02 Dec 2025 12:14

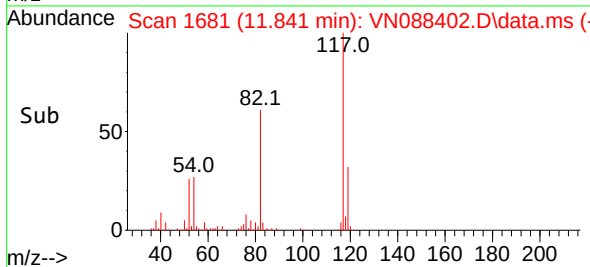
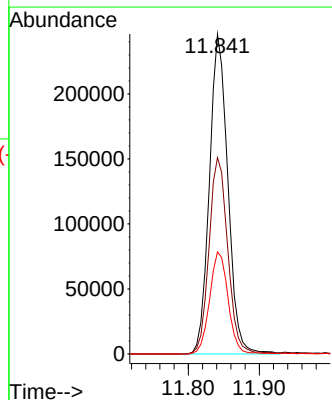
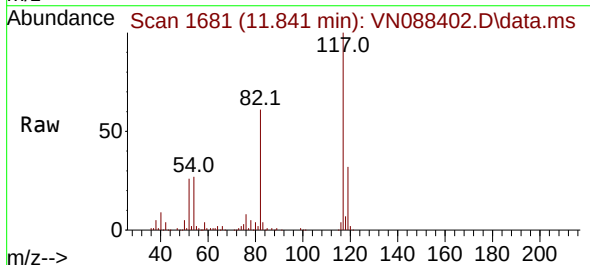
Instrument :
MSVOA_N
ClientSampleId :

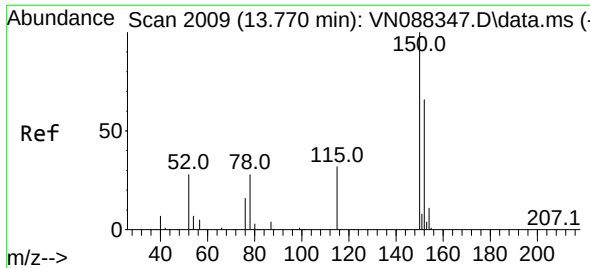
Tgt Ion: 95 Resp: 215462
Ion Ratio Lower Upper
95 100
174 70.5 0.0 139.0
176 67.1 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088402.D
Acq: 02 Dec 2025 12:14

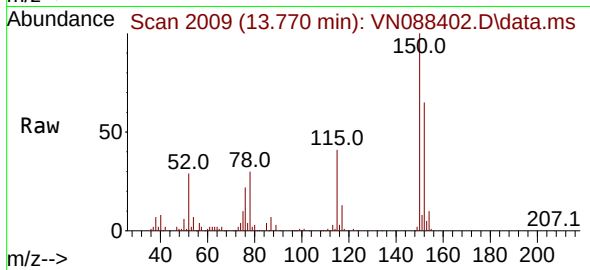
Tgt Ion: 117 Resp: 443956
Ion Ratio Lower Upper
117 100
82 61.4 47.8 71.8
119 31.9 26.9 40.3



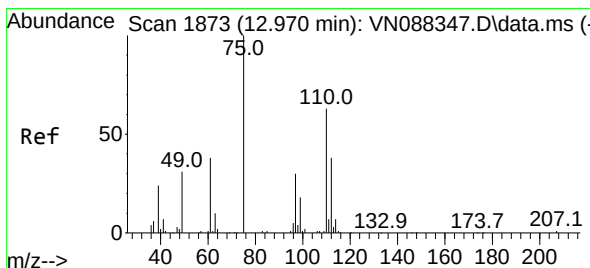
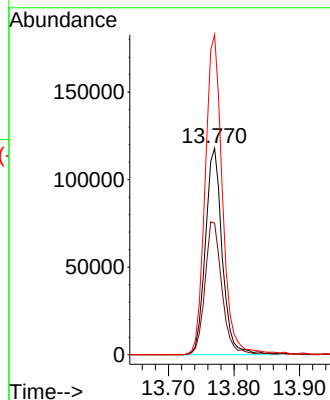
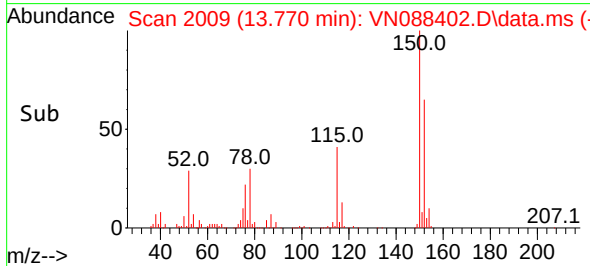


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088402.D
 Acq: 02 Dec 2025 12:14

Instrument :
 MSVOA_N
 ClientSampleId :

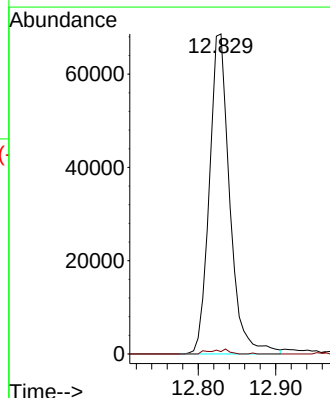
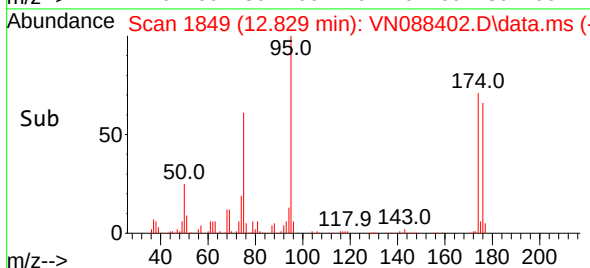
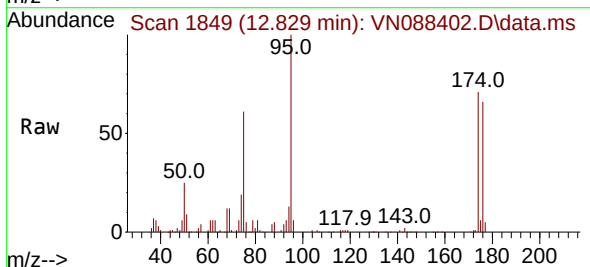


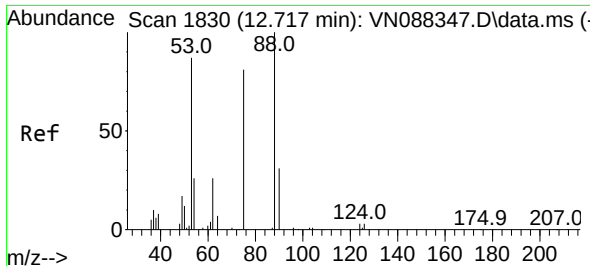
Tgt Ion:152 Resp: 210750
 Ion Ratio Lower Upper
 152 100
 115 64.6 33.0 98.9
 150 159.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.368 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088402.D
 Acq: 02 Dec 2025 12:14

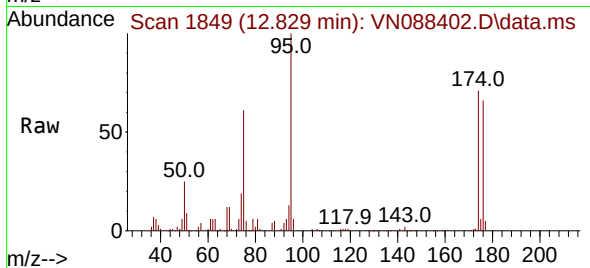
Tgt Ion: 75 Resp: 125222
 Ion Ratio Lower Upper
 75 100
 77 1.3 87.2 261.6#



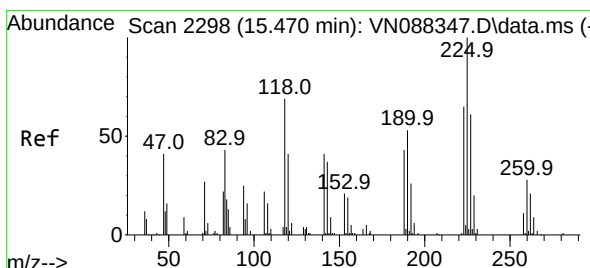
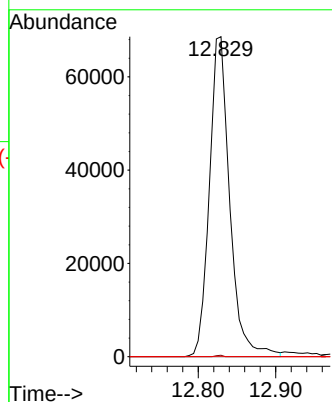
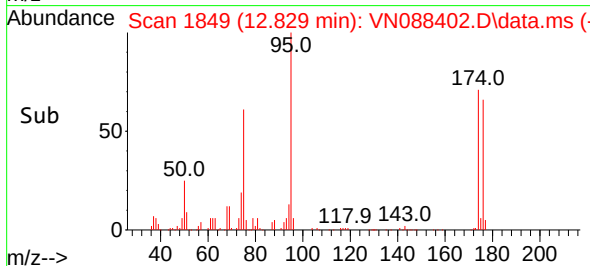


#81
trans-1,4-Dichloro-2-butene
Concen: 71.969 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN088402.D
Acq: 02 Dec 2025 12:14

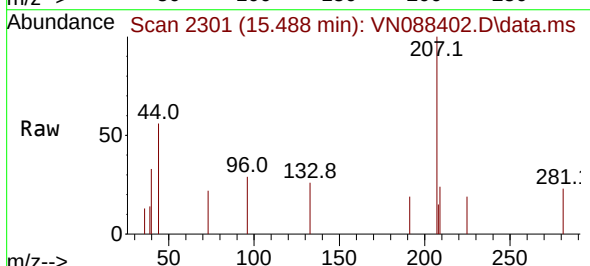
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 125222
Ion Ratio Lower Upper
75 100
53 0.1 92.2 138.4#
89 0.0 0.0 0.0



#94
Hexachlorobutadiene
Concen: 0.247 ug/l
RT: 15.488 min Scan# 2301
Delta R.T. 0.018 min
Lab File: VN088402.D
Acq: 02 Dec 2025 12:14



Tgt Ion: 225 Resp: 344
Ion Ratio Lower Upper
225 100
223 0.0 32.3 96.8#
227 0.0 29.9 89.8#

