

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
 Data File : VN088158.D
 Acq On : 29 Oct 2025 14:26
 Operator : JC\MD
 Sample : Q3480-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RT3449

Quant Time: Oct 30 04:06:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	245011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	564634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	567693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	279271	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	272569	64.334	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	128.660%#
35) Dibromofluoromethane	8.153	113	190233	50.150	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.300%
50) Toluene-d8	10.547	98	684792	46.852	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.700%
62) 4-Bromofluorobenzene	12.829	95	271110	52.522	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.040%

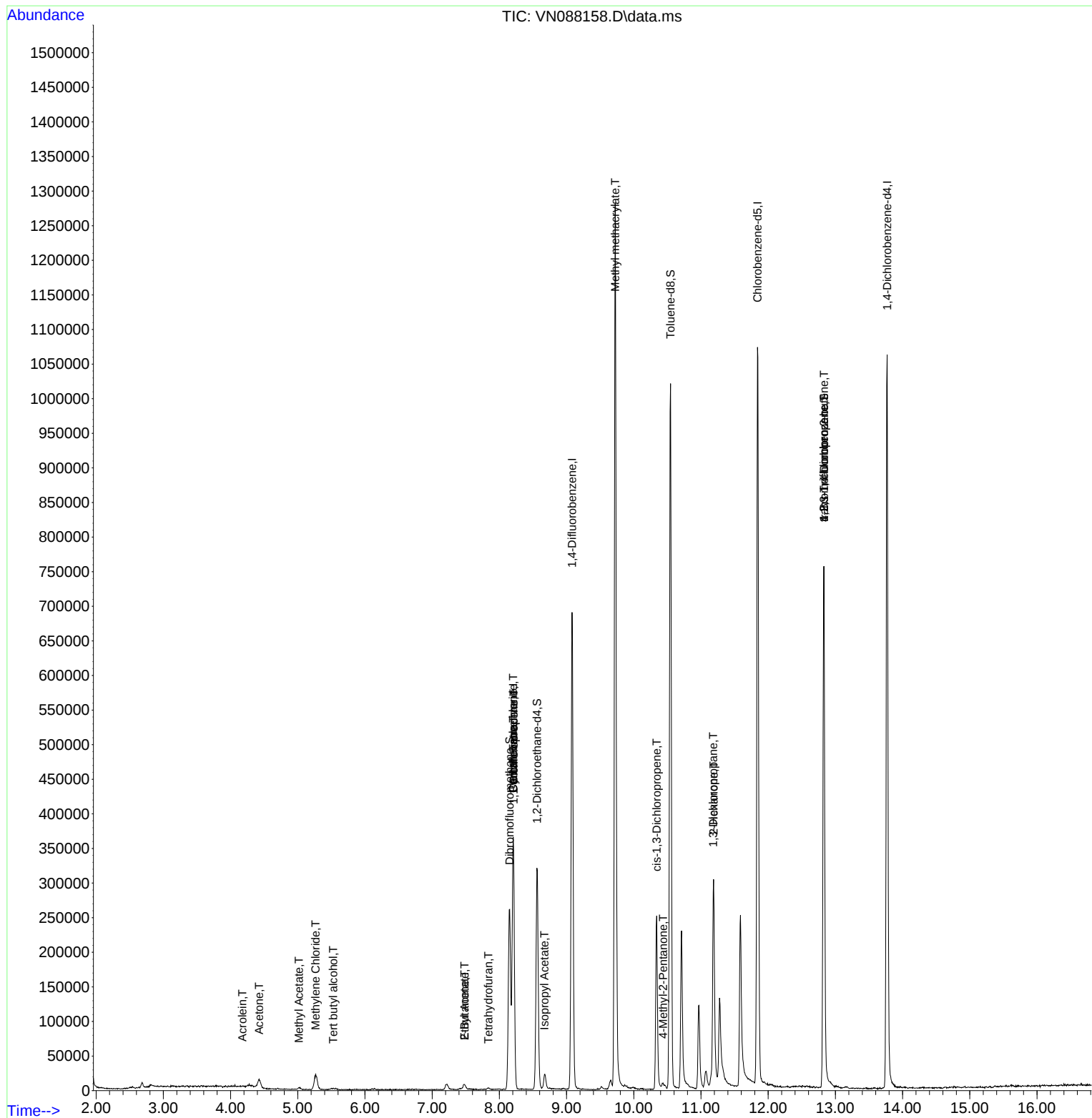
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	719	0.985	ug/l #	92
13) Acrolein	4.177	56	282	0.343	ug/l #	14
16) Acetone	4.424	43	24168	11.355	ug/l #	89
18) Methyl Acetate	5.018	43	2460	0.565	ug/l #	77
20) Methylene Chloride	5.265	84	16422	5.653	ug/l #	93
25) 2-Butanone	7.482	43	13821	4.927	ug/l	90
29) Tetrahydrofuran	7.835	42	1997	1.092	ug/l #	41
31) Cyclohexane	8.206	56	8069	1.361	ug/l #	5
36) 1,1-Dichloropropene	8.212	75	25270	4.563	ug/l #	53
37) Ethyl Acetate	7.482	43	13821	1.934	ug/l #	72
38) Carbon Tetrachloride	8.206	117	29189	5.103	ug/l #	15
43) Isopropyl Acetate	8.671	43	27038	2.462	ug/l	95
48) Methyl methacrylate	9.723	41	126400	24.928	ug/l #	47
51) 4-Methyl-2-Pentanone	10.435	43	3548	0.546	ug/l #	57
54) cis-1,3-Dichloropropene	10.341	75	42903	6.247	ug/l #	68
57) 1,3-Dichloropropane	11.182	76	3863	0.557	ug/l #	42
59) 2-Hexanone	11.188	43	68528	15.899	ug/l #	51
76) 1,2,3-Trichloropropane	12.829	75	158162	24.771	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	158162	69.099	ug/l #	1

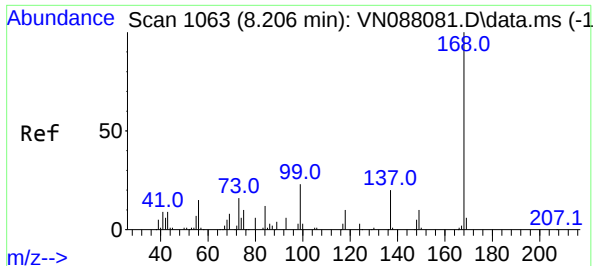
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
Data File : VN088158.D
Acq On : 29 Oct 2025 14:26
Operator : JC\MD
Sample : Q3480-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RT3449

Quant Time: Oct 30 04:06:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

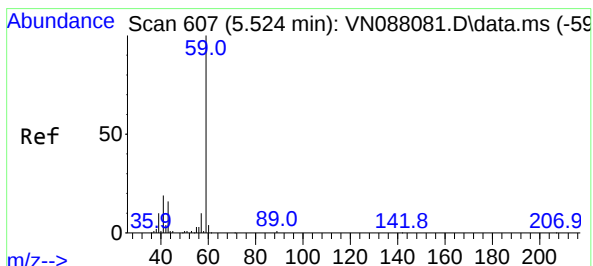
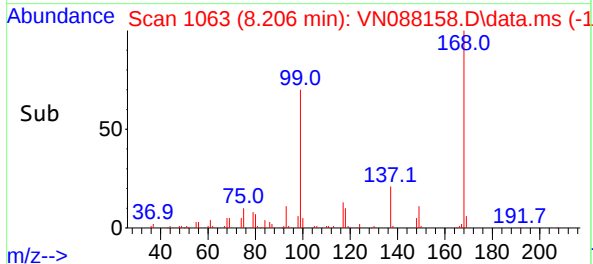
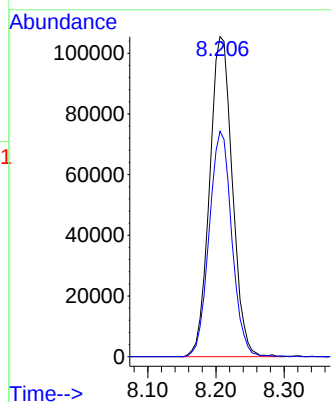
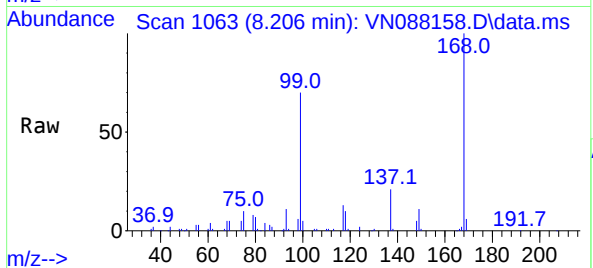




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

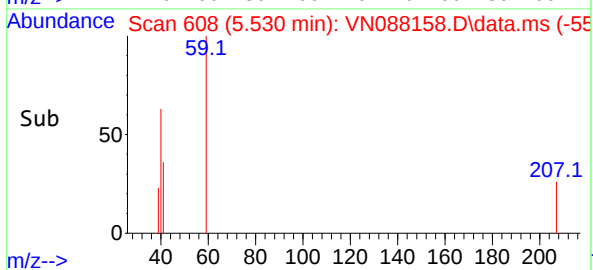
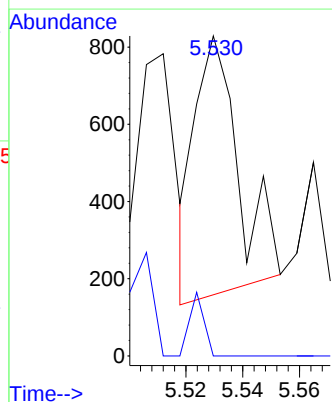
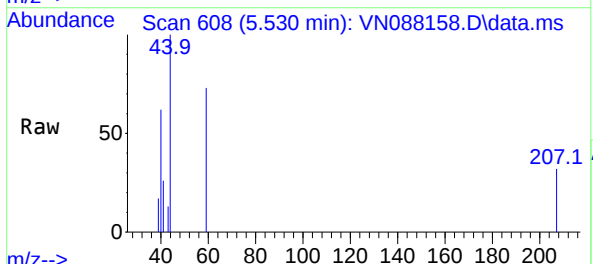
Instrument :
MSVOA_N
ClientSampleId :
RT3449

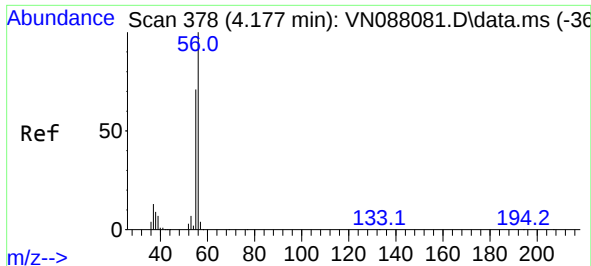
Tgt Ion:168 Resp: 245011
Ion Ratio Lower Upper
168 100
99 70.5 57.2 85.8



#11
Tert butyl alcohol
Concen: 0.985 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Tgt Ion: 59 Resp: 719
Ion Ratio Lower Upper
59 100
57 8.1 9.0 13.4#

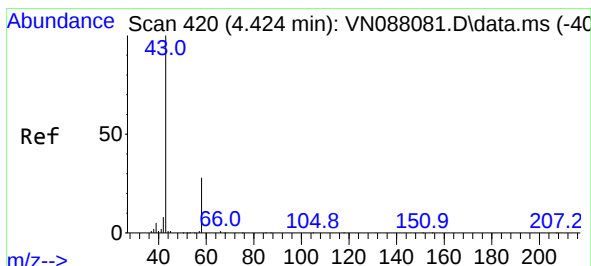
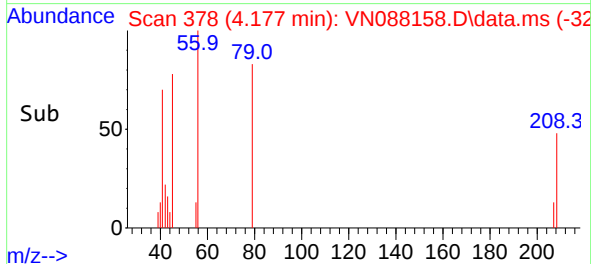
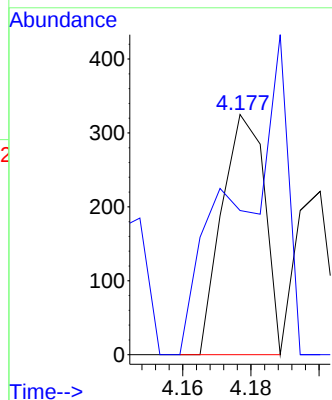
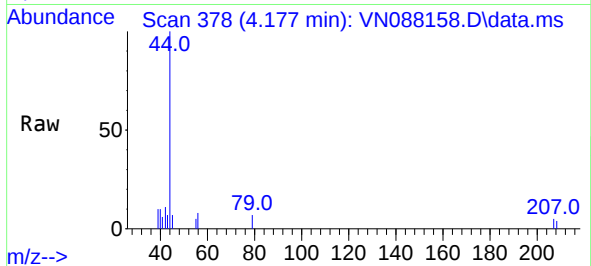




#13
Acrolein
Concen: 0.343 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

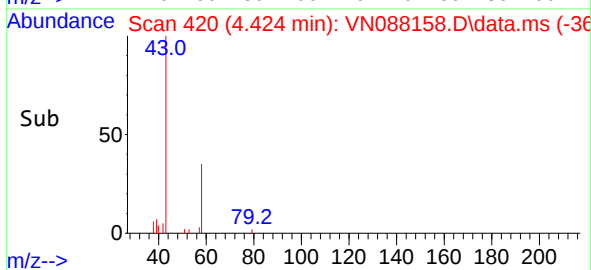
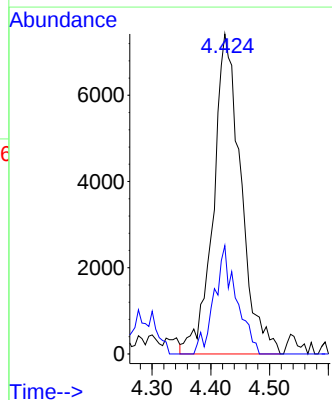
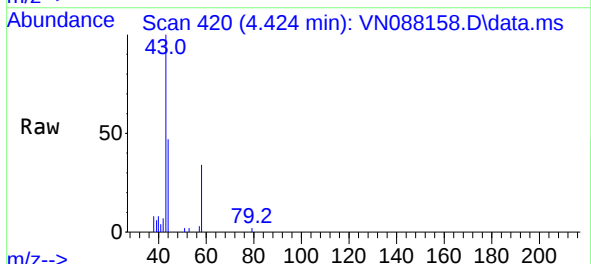
Instrument :
MSVOA_N
ClientSampleId :
RT3449

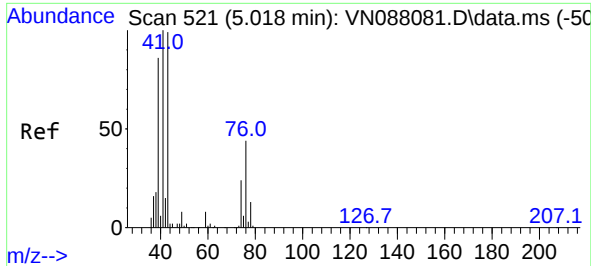
Tgt Ion: 56 Resp: 282
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#



#16
Acetone
Concen: 11.355 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

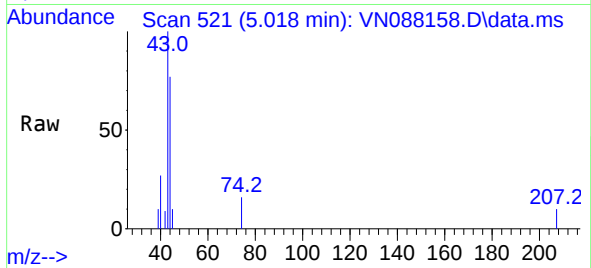
Tgt Ion: 43 Resp: 24168
Ion Ratio Lower Upper
43 100
58 33.8 22.6 33.8#



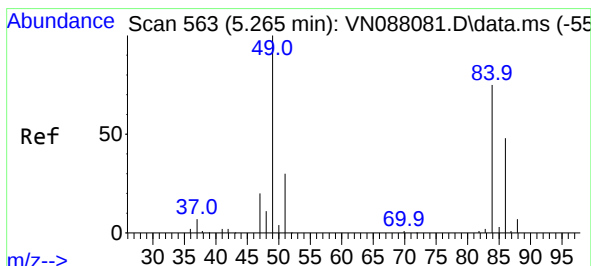
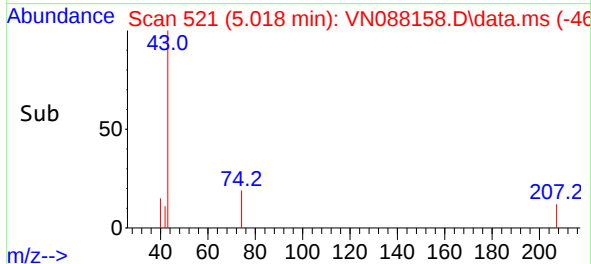
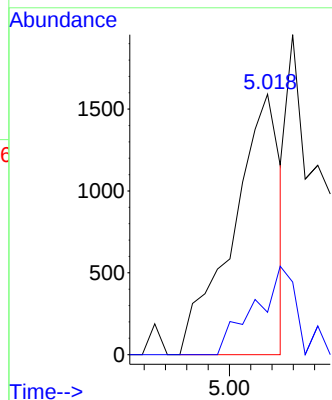


#18
Methyl Acetate
Concen: 0.565 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
RT3449

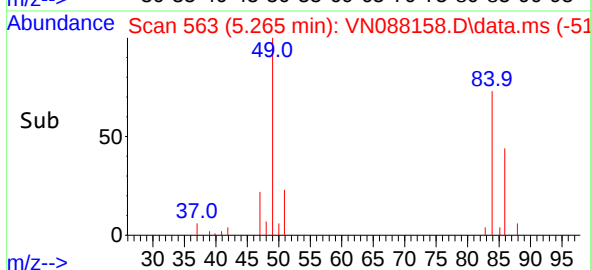
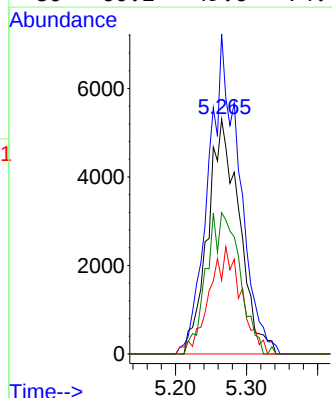
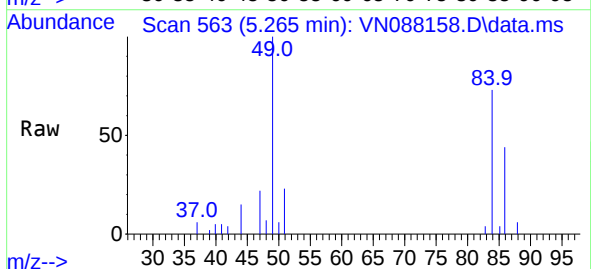


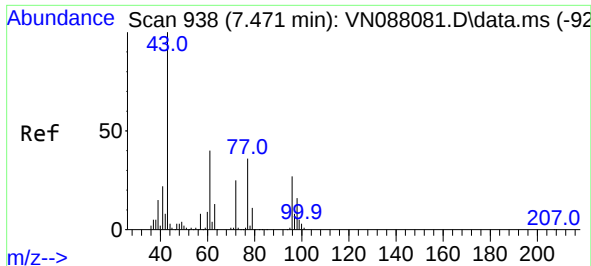
Tgt Ion: 43 Resp: 2460
Ion Ratio Lower Upper
43 100
74 32.9 17.6 26.4#



#20
Methylene Chloride
Concen: 5.653 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Tgt Ion: 84 Resp: 16422
Ion Ratio Lower Upper
84 100
49 136.4 103.4 155.2
51 31.4 33.8 50.8#
86 60.2 49.6 74.4

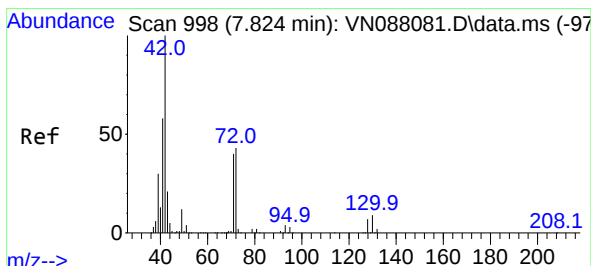
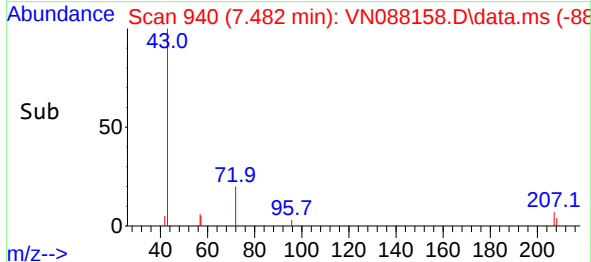
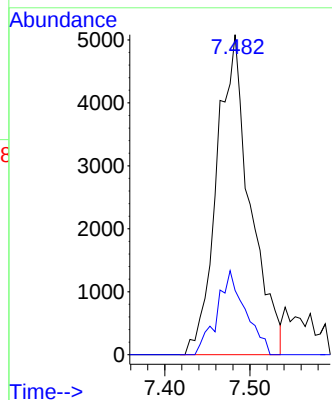
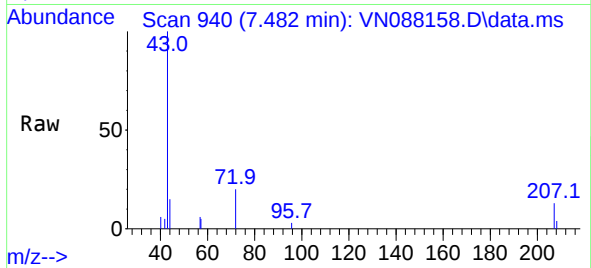




#25
2-Butanone
Concen: 4.927 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.017 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

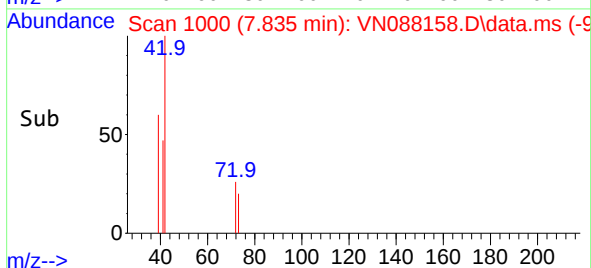
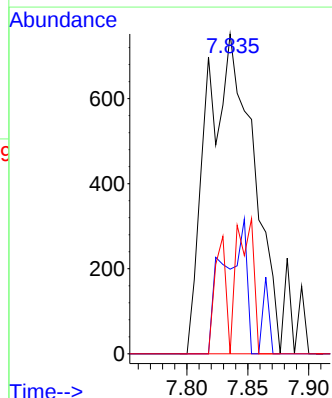
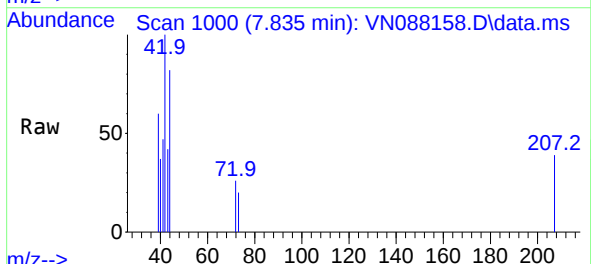
Instrument :
MSVOA_N
ClientSampleId :
RT3449

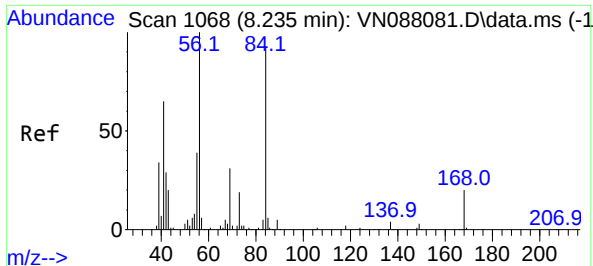
Tgt Ion: 43 Resp: 13821
Ion Ratio Lower Upper
43 100
72 20.1 19.9 29.9



#29
Tetrahydrofuran
Concen: 1.092 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.012 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

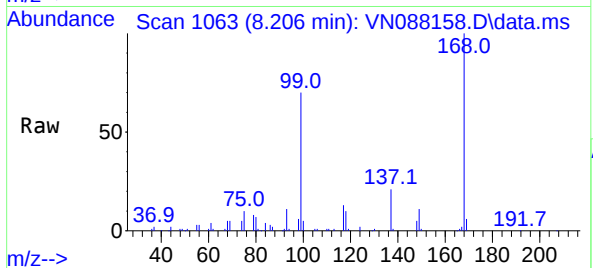
Tgt Ion: 42 Resp: 1997
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 8.6 31.9 47.9#



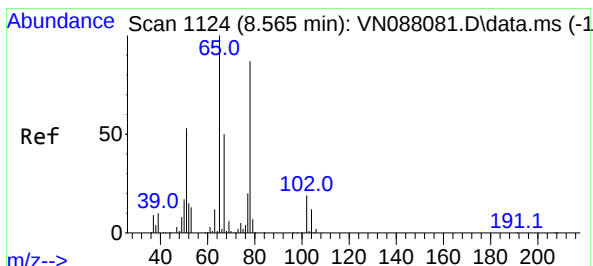
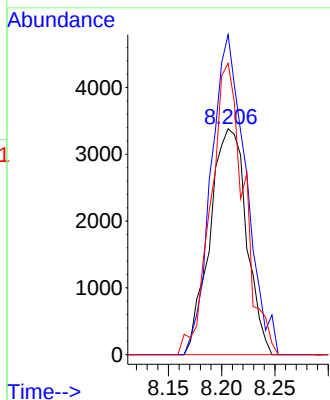
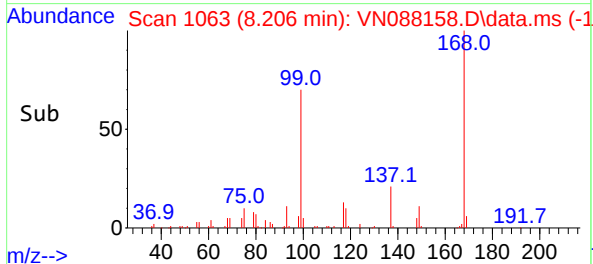


#31
Cyclohexane
Concen: 1.361 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
RT3449

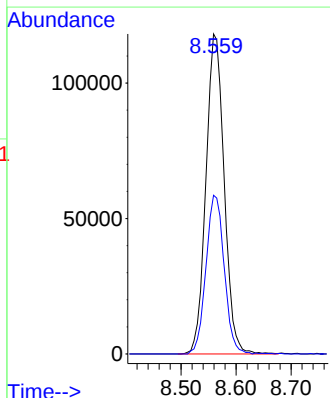
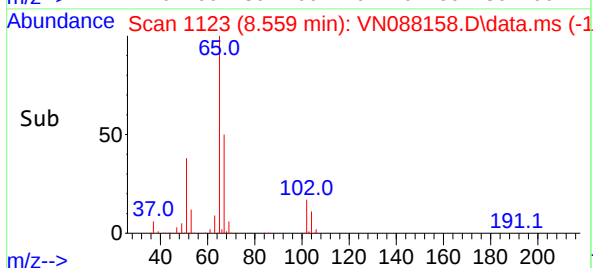
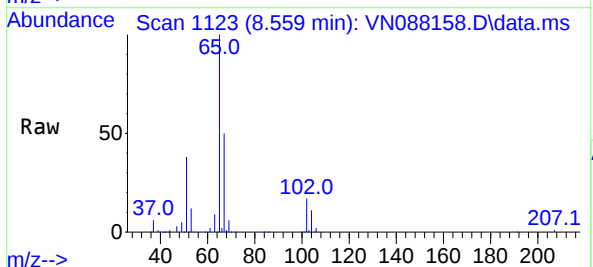


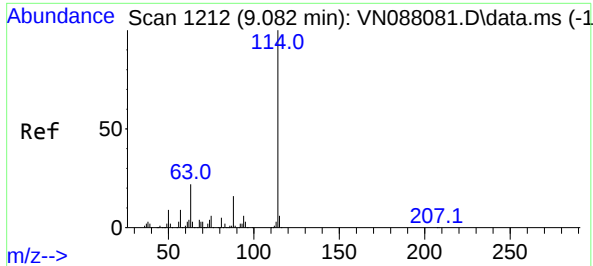
Tgt Ion: 56 Resp: 8069
Ion Ratio Lower Upper
56 100
69 141.6 23.7 35.5#
84 129.0 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 64.334 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Tgt Ion: 65 Resp: 272569
Ion Ratio Lower Upper
65 100
67 49.5 0.0 100.0



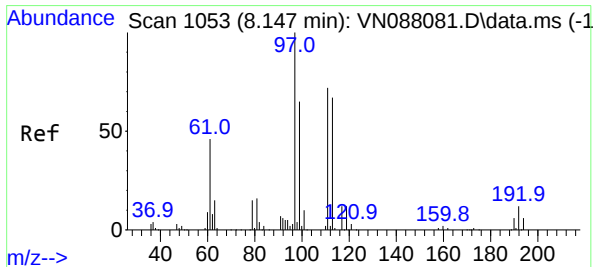
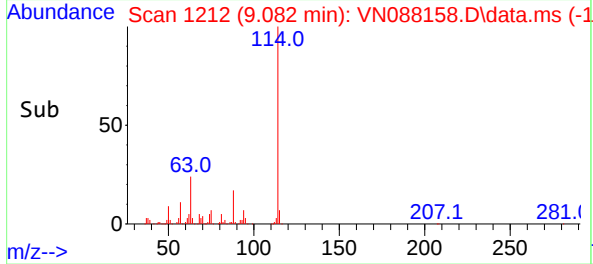
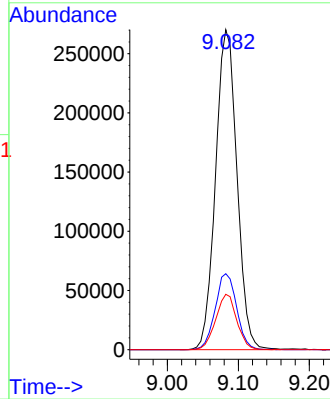
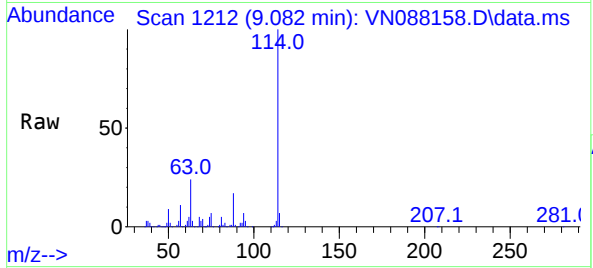


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
RT3449

Tgt Ion:114 Resp: 564634

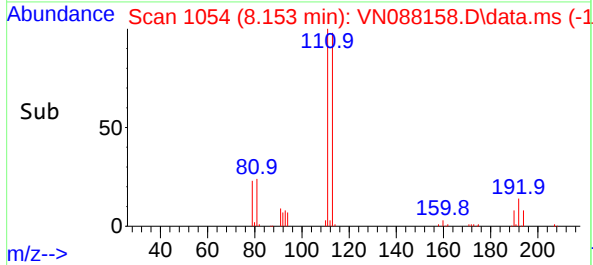
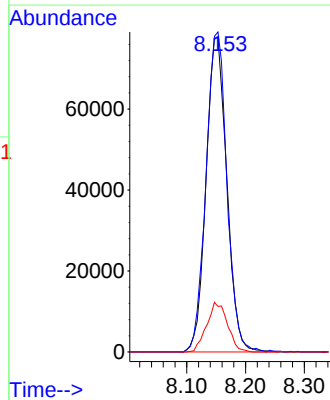
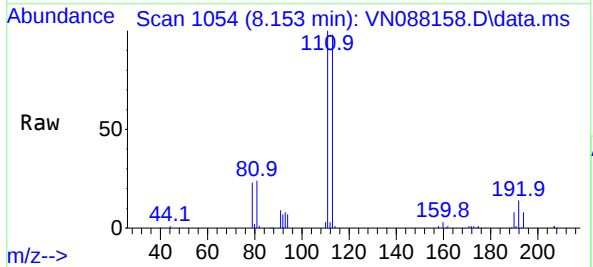
Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	45.2
88	17.3	0.0	33.4

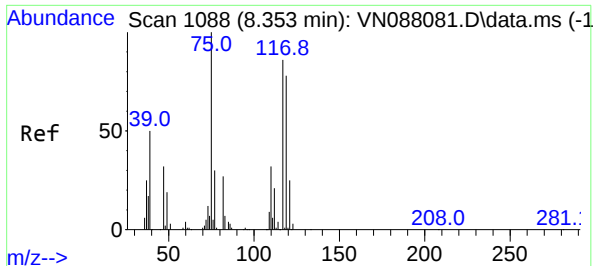


#35
Dibromofluoromethane
Concen: 50.150 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Tgt Ion:113 Resp: 190233

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.8	124.2
192	15.8	12.8	19.2

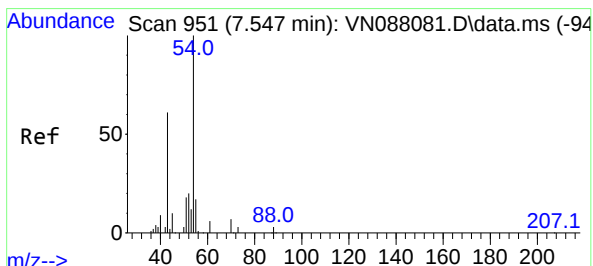
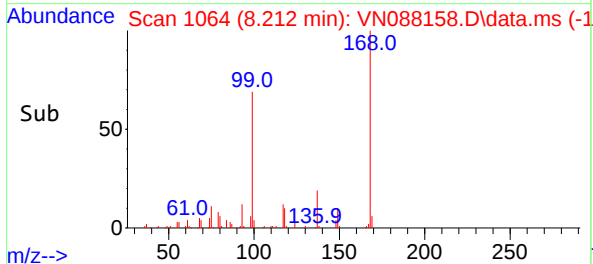
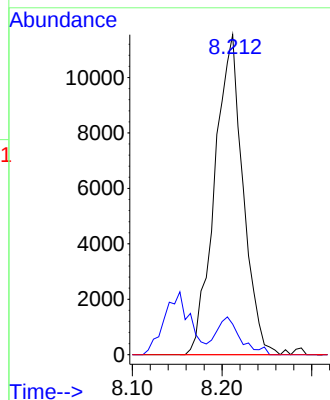
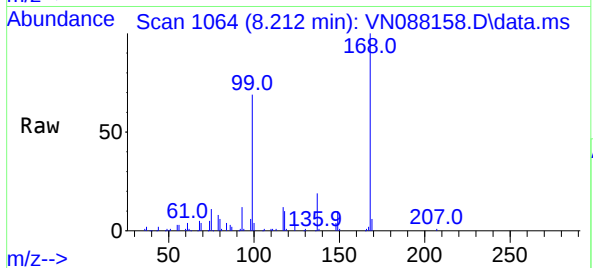




#36
1,1-Dichloropropene
Concen: 4.563 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.141 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

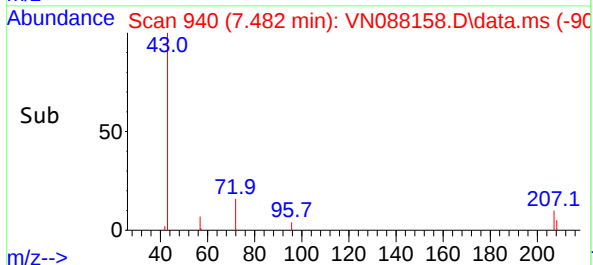
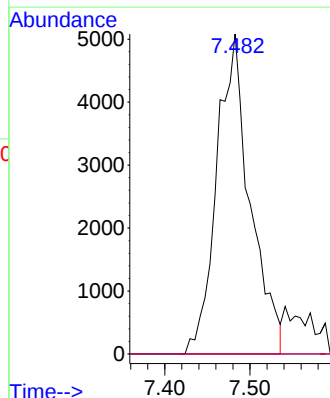
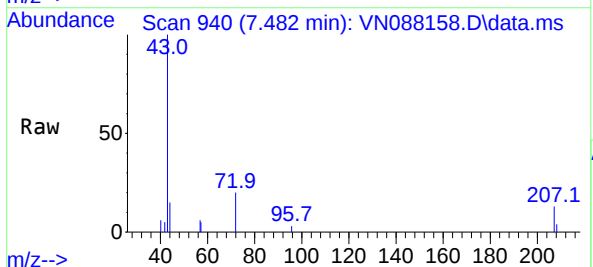
Instrument :
MSVOA_N
ClientSampleId :
RT3449

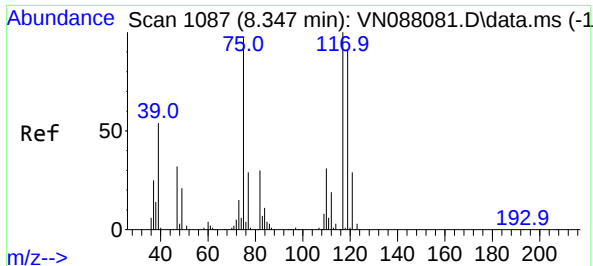
Tgt Ion: 75 Resp: 25270
Ion Ratio Lower Upper
75 100
110 10.0 15.9 47.6#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.934 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.065 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Tgt Ion: 43 Resp: 13821
Ion Ratio Lower Upper
43 100
61 0.0 9.3 13.9#
70 0.0 7.0 10.6#

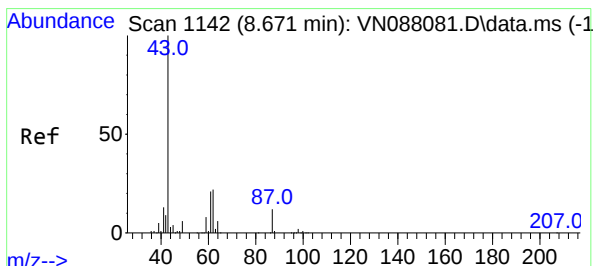
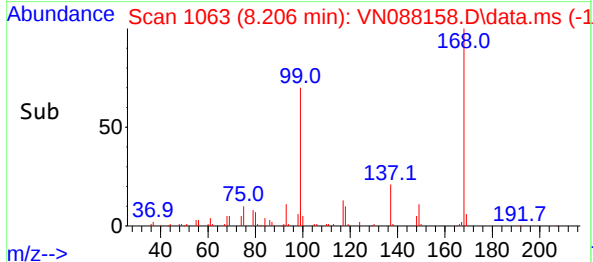
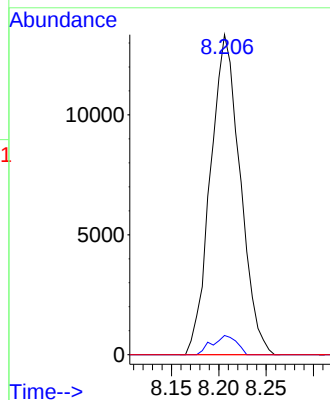
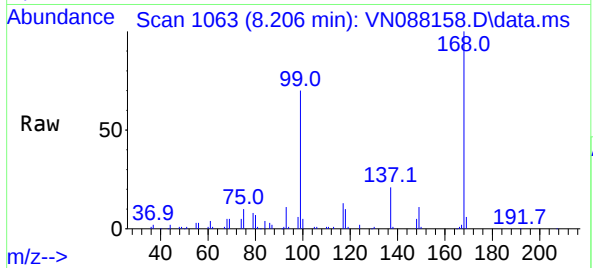




#38
Carbon Tetrachloride
Concen: 5.103 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

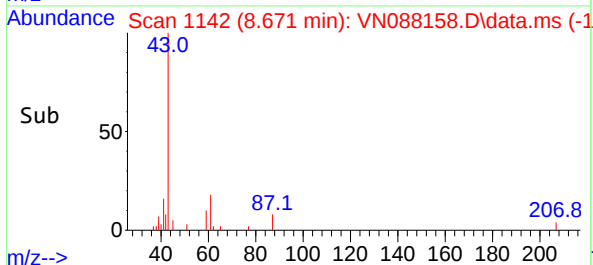
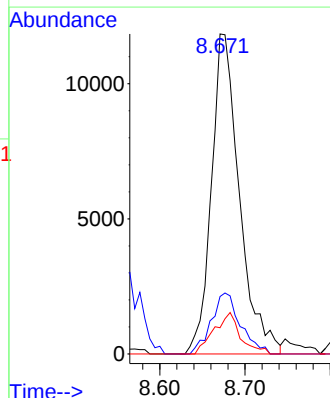
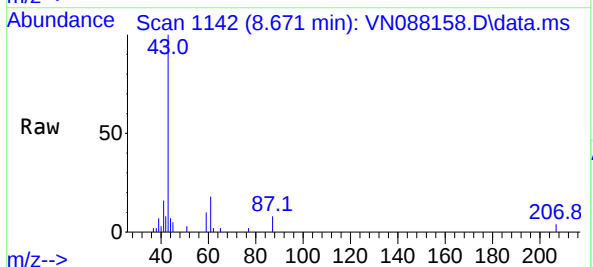
Instrument :
MSVOA_N
ClientSampleId :
RT3449

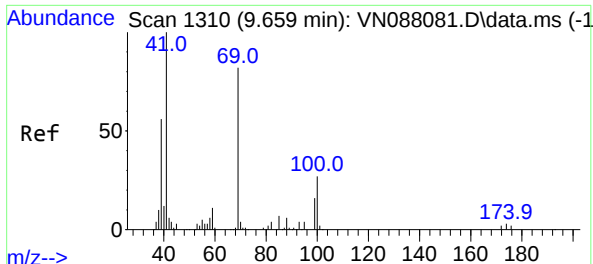
Tgt Ion:117 Resp: 29189
Ion Ratio Lower Upper
117 100
119 6.0 79.0 118.6#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 2.462 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Tgt Ion: 43 Resp: 27038
Ion Ratio Lower Upper
43 100
61 19.8 18.8 28.2
87 12.2 9.6 14.4

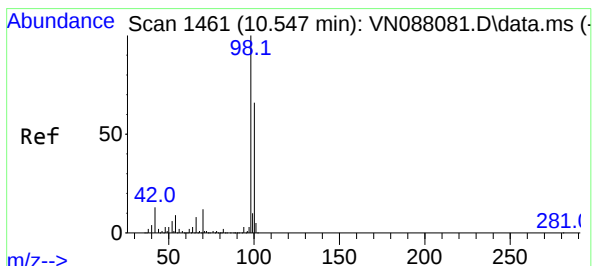
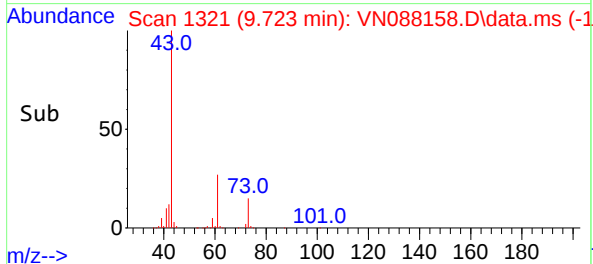
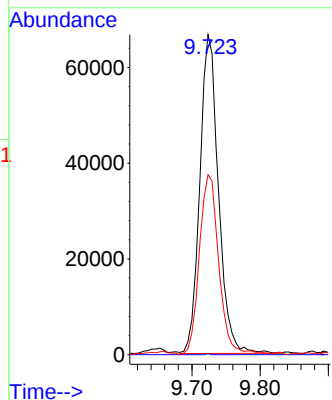
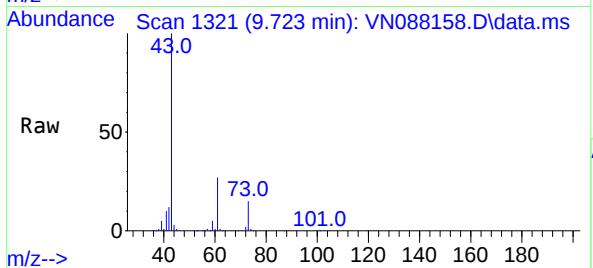




#48
Methyl methacrylate
Concen: 24.928 ug/l
RT: 9.723 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

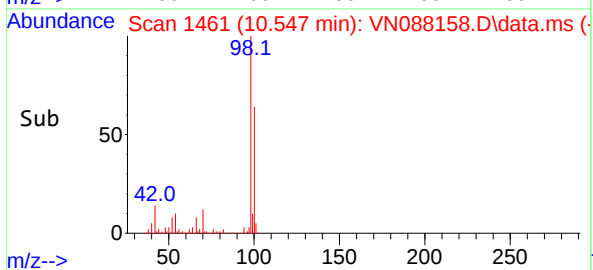
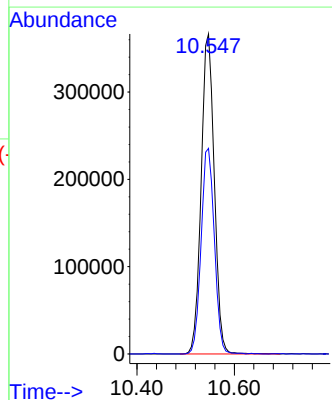
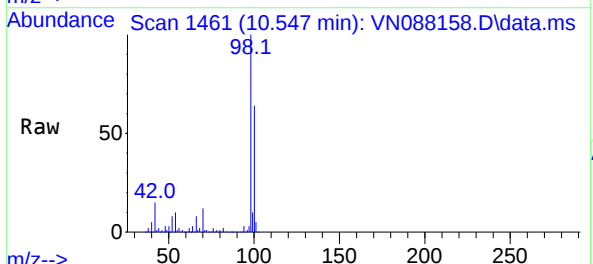
Instrument :
MSVOA_N
ClientSampleId :
RT3449

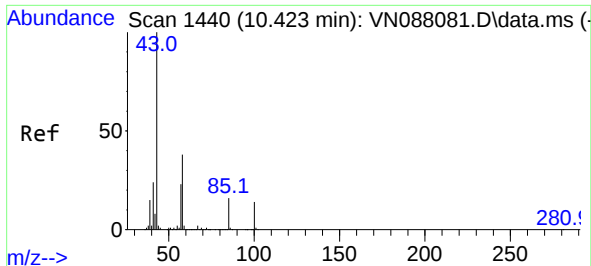
Tgt Ion: 41 Resp: 126400
Ion Ratio Lower Upper
41 100
69 0.1 62.7 94.1#
39 59.1 52.9 79.3



#50
Toluene-d8
Concen: 46.852 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Tgt Ion: 98 Resp: 684792
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2

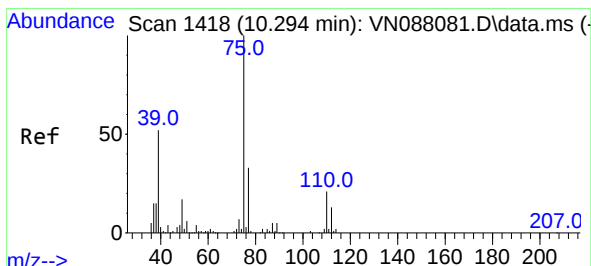
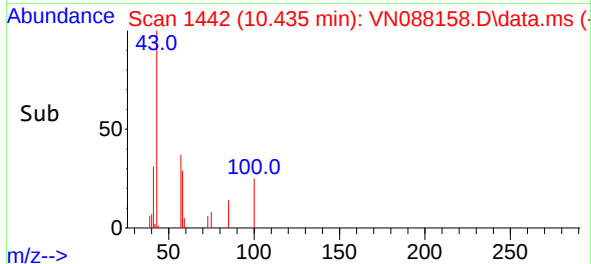
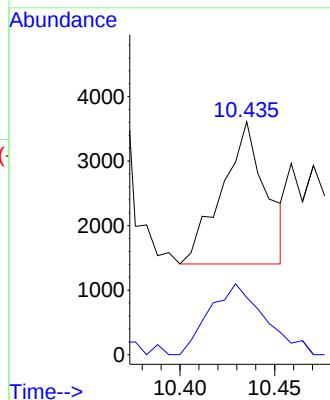
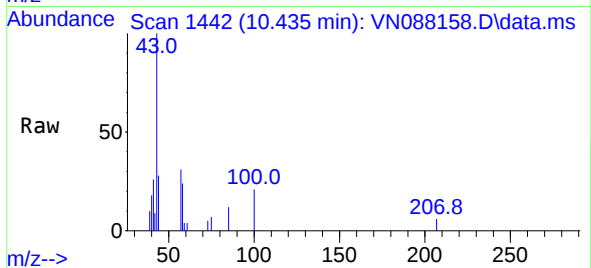




#51
4-Methyl-2-Pentanone
Concen: 0.546 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. 0.012 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

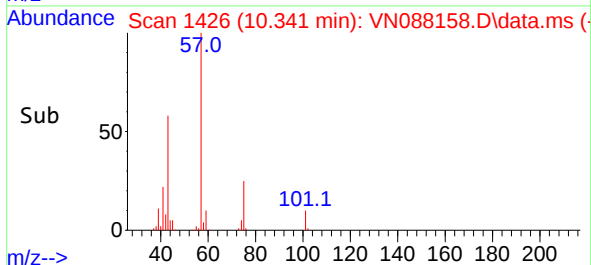
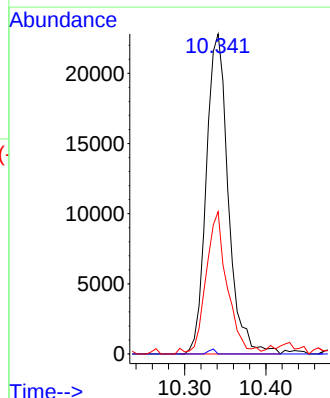
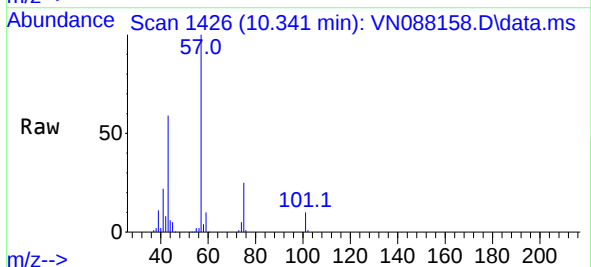
Instrument :
MSVOA_N
ClientSampleId :
RT3449

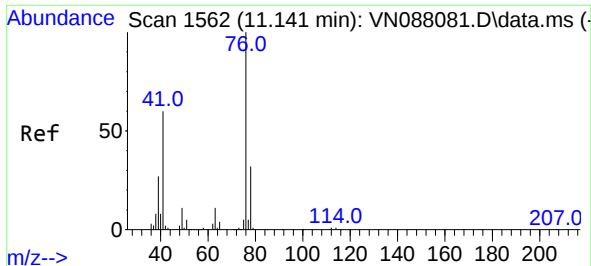
Tgt Ion: 43 Resp: 3548
Ion Ratio Lower Upper
43 100
58 62.8 29.6 44.4#



#54
cis-1,3-Dichloropropene
Concen: 6.247 ug/l
RT: 10.341 min Scan# 1426
Delta R.T. 0.053 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Tgt Ion: 75 Resp: 42903
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 42.7 45.2 67.8#





#57

1,3-Dichloropropane

Concen: 0.557 ug/l

RT: 11.182 min Scan# 1569

Delta R.T. 0.041 min

Lab File: VN088158.D

Acq: 29 Oct 2025 14:26

Instrument :

MSVOA_N

ClientSampleId :

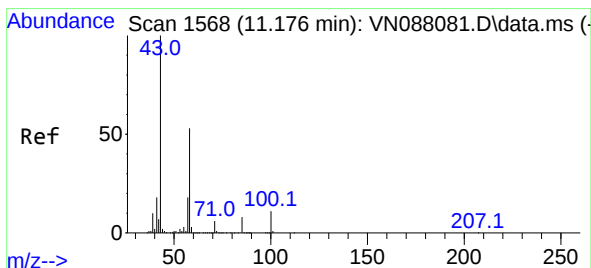
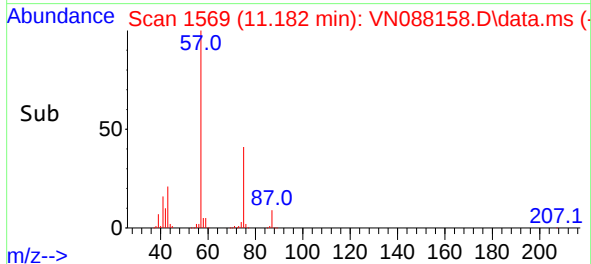
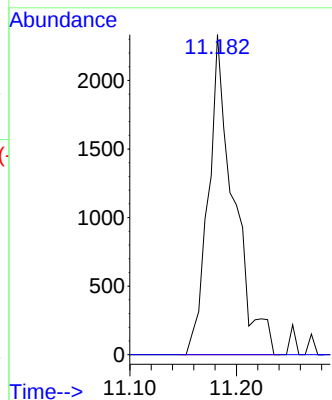
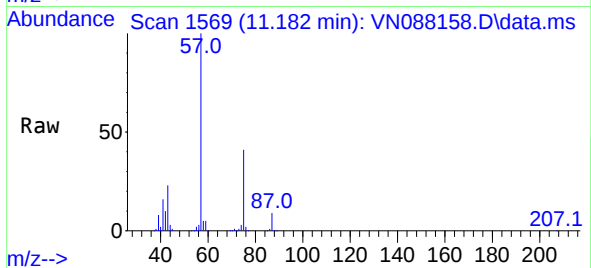
RT3449

Tgt Ion: 76 Resp: 3863

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 15.899 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.012 min

Lab File: VN088158.D

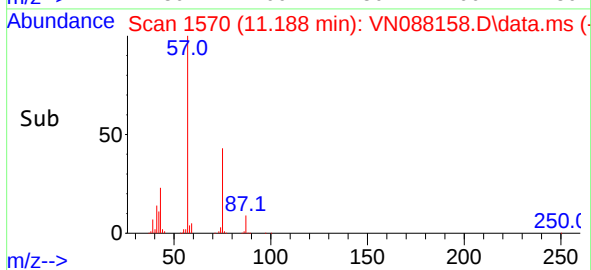
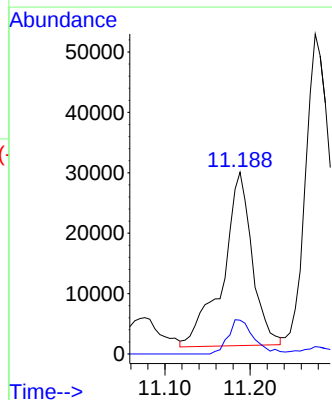
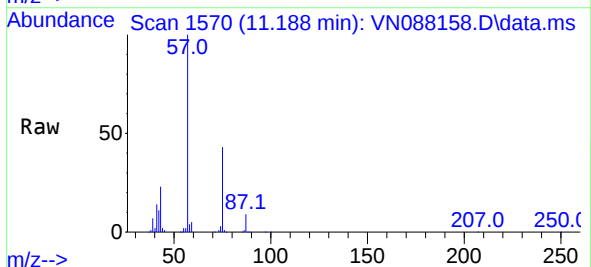
Acq: 29 Oct 2025 14:26

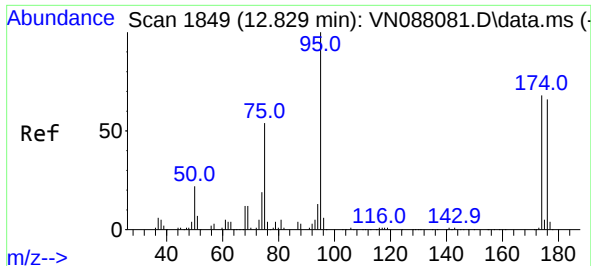
Tgt Ion: 43 Resp: 68528

Ion Ratio Lower Upper

43 100

58 17.3 25.9 77.8#

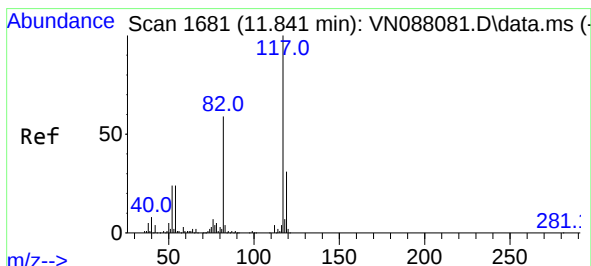
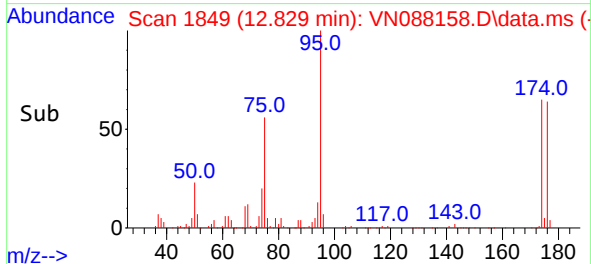
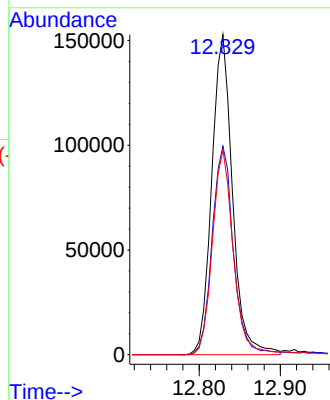
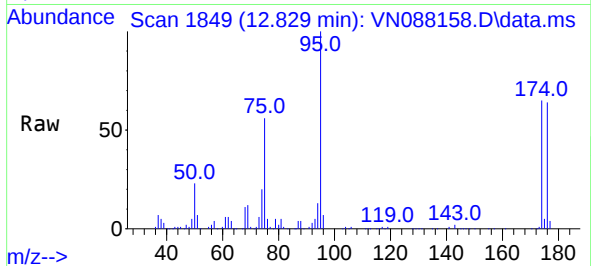




#62
4-Bromofluorobenzene
Concen: 52.522 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

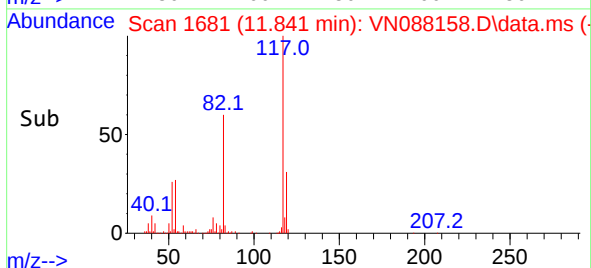
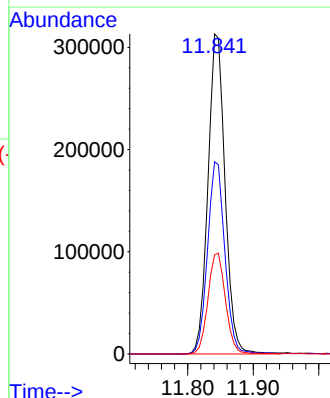
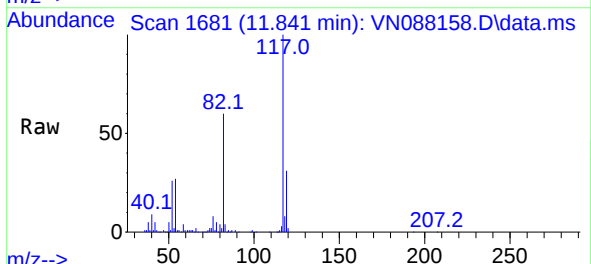
Instrument :
MSVOA_N
ClientSampleId :
RT3449

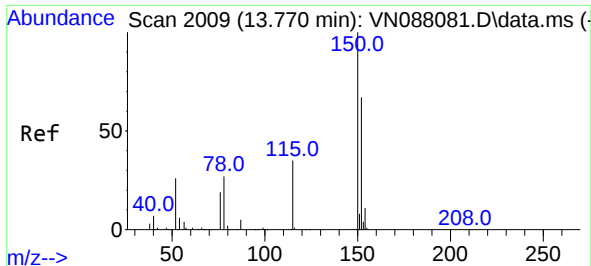
Tgt Ion: 95 Resp: 271110
Ion Ratio Lower Upper
95 100
174 67.2 0.0 138.4
176 64.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Tgt Ion: 117 Resp: 567693
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 30.9 24.3 36.5

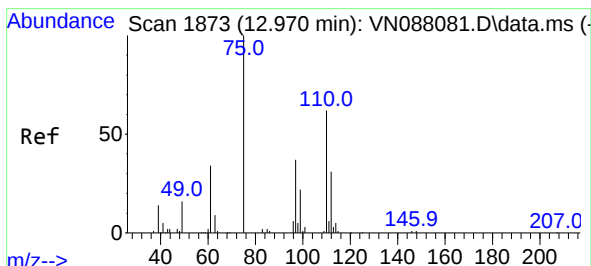
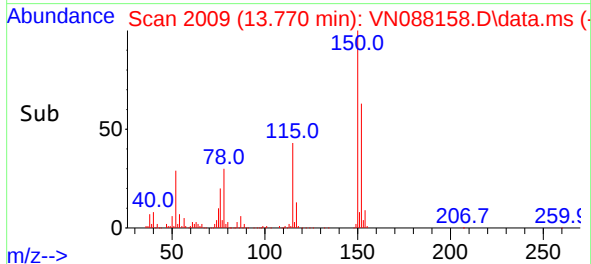
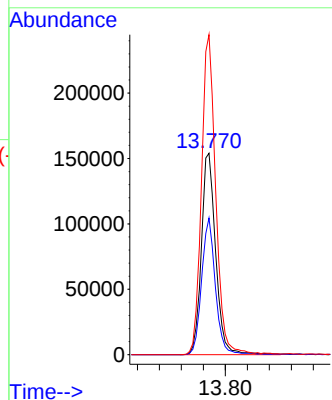
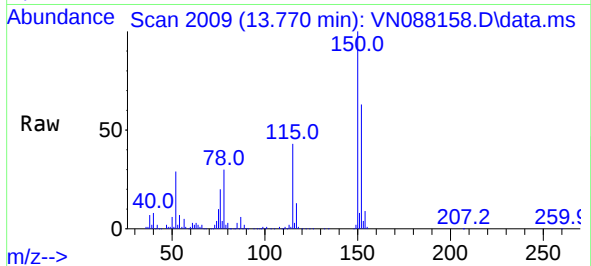




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

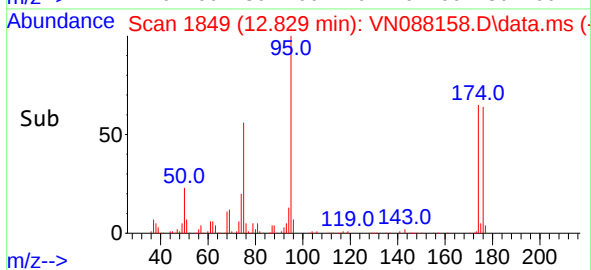
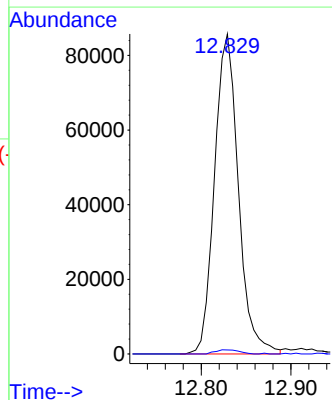
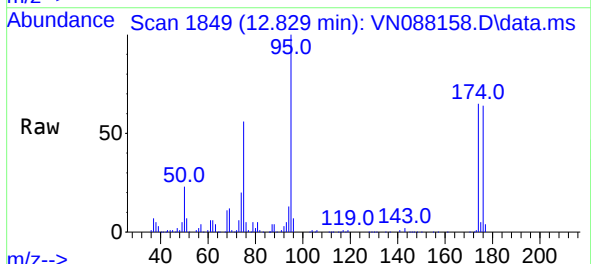
Instrument :
MSVOA_N
ClientSampleId :
RT3449

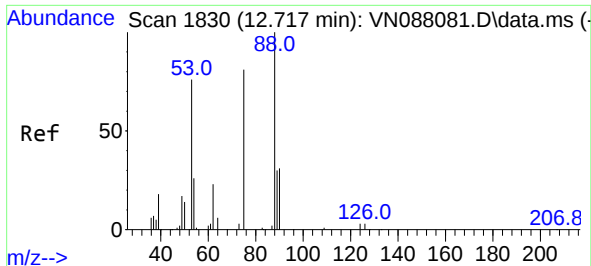
Tgt Ion:152 Resp: 279271
Ion Ratio Lower Upper
152 100
115 64.8 32.3 96.8
150 158.3 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 24.771 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

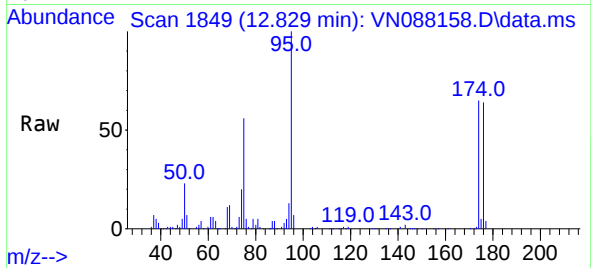
Tgt Ion: 75 Resp: 158162
Ion Ratio Lower Upper
75 100
77 1.3 89.1 267.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 69.099 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN088158.D
Acq: 29 Oct 2025 14:26

Instrument :
MSVOA_N
ClientSampleId :
RT3449



Tgt Ion: 75 Resp: 158162
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.5 35.6 53.4#

