

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088500.D
 Acq On : 10 Dec 2025 15:08
 Operator : JC\MD
 Sample : Q3814-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 11 02:09:17 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)

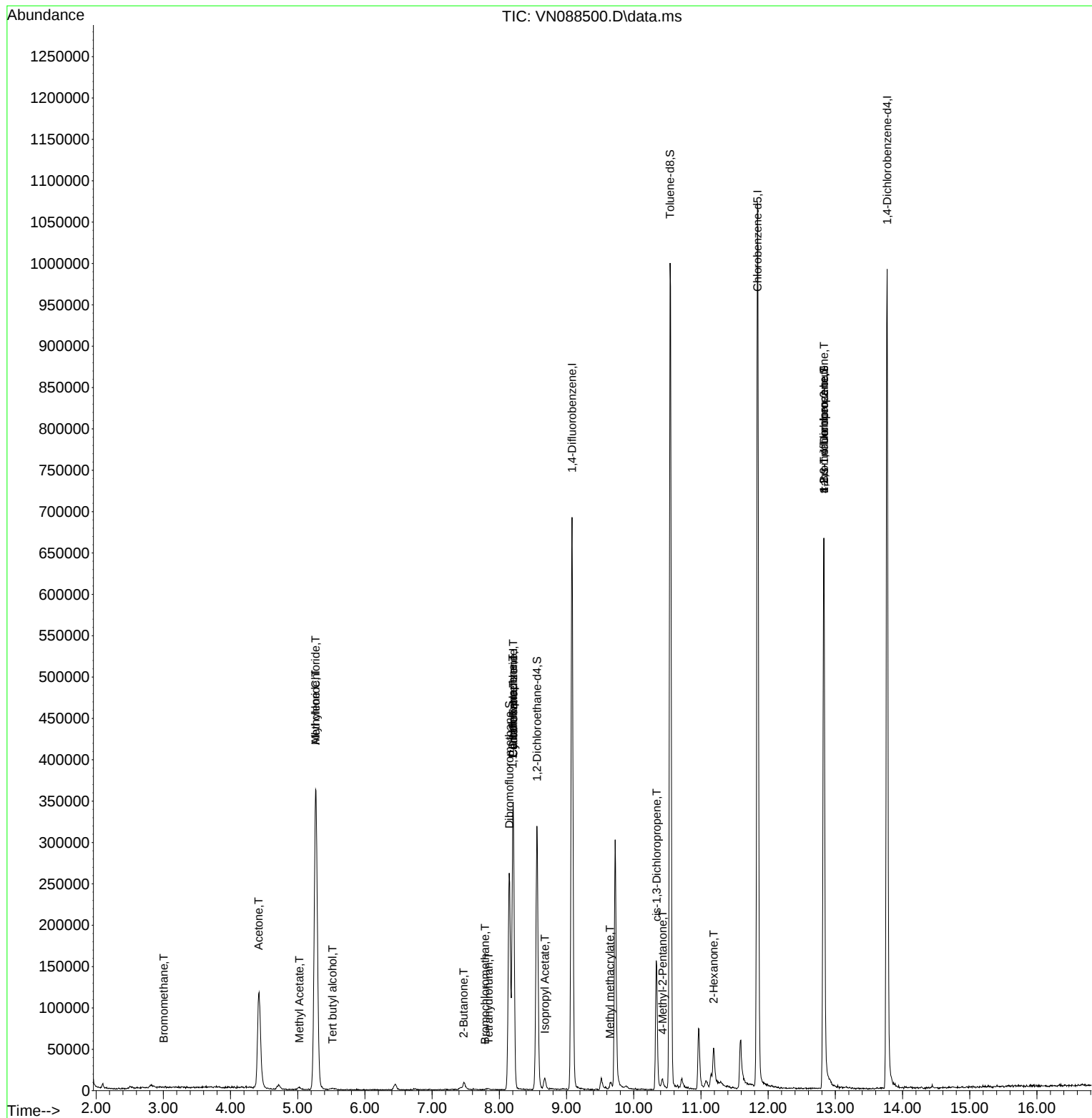
Internal Standards						
1) Pentafluorobenzene	8.206	168	225971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	537711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	569739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	257464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	267082	62.742	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 125.480%#		
35) Dibromofluoromethane	8.147	113	183959	49.368	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.740%		
50) Toluene-d8	10.541	98	658837	47.519	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.040%		
62) 4-Bromofluorobenzene	12.829	95	243234	51.129	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 102.260%		
Target Compounds						
					Qvalue	
5) Bromomethane	3.007	94	495	0.277	ug/l #	4
11) Tert butyl alcohol	5.518	59	2211	3.253	ug/l #	72
14) Allyl chloride	5.265	41	10183	1.993	ug/l #	19
16) Acetone	4.418	43	243350	158.071	ug/l	99
18) Methyl Acetate	5.024	43	7549	1.647	ug/l #	73
20) Methylene Chloride	5.265	84	277185	84.154	ug/l	98
25) 2-Butanone	7.471	43	15895	6.422	ug/l	95
28) Bromochloromethane	7.789	49	637	0.207	ug/l #	33
29) Tetrahydrofuran	7.841	42	1085	0.611	ug/l #	48
31) Cyclohexane	8.206	56	7413	1.324	ug/l #	20
36) 1,1-Dichloropropene	8.200	75	24272	4.221	ug/l #	52
38) Carbon Tetrachloride	8.206	117	27392	4.785	ug/l #	17
43) Isopropyl Acetate	8.677	43	15852	1.372	ug/l #	89
48) Methyl methacrylate	9.647	41	1179	0.224	ug/l #	13
51) 4-Methyl-2-Pentanone	10.430	43	11794	1.732	ug/l #	86
54) cis-1,3-Dichloropropene	10.341	75	25069	3.688	ug/l #	69
59) 2-Hexanone	11.188	43	6088	1.419	ug/l	74
76) 1,2,3-Trichloropropane	12.829	75	146033	24.217	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	146033	68.701	ug/l #	1

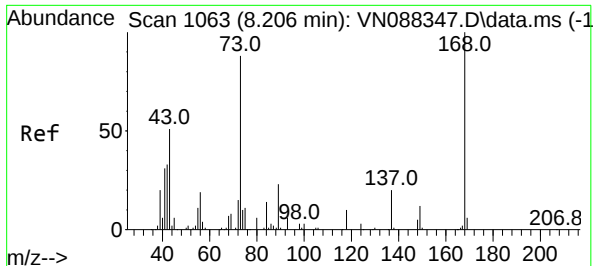
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

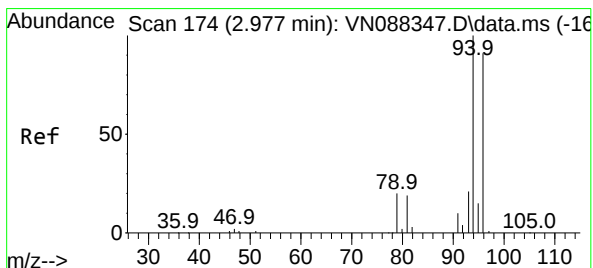
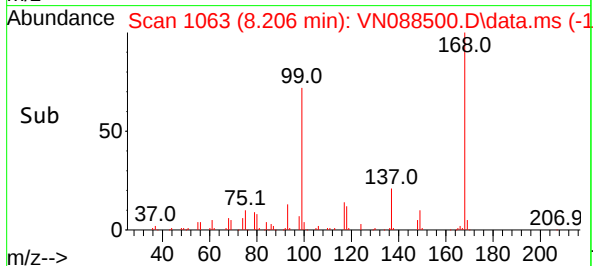
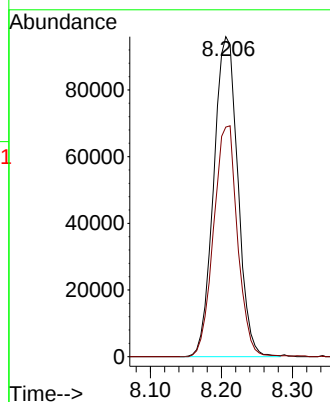
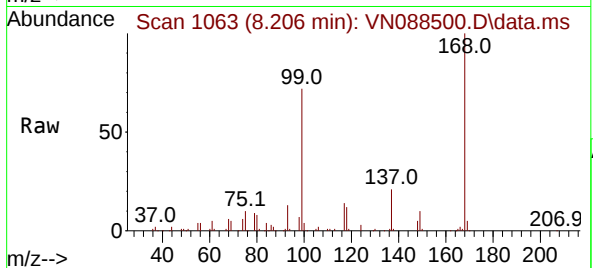




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

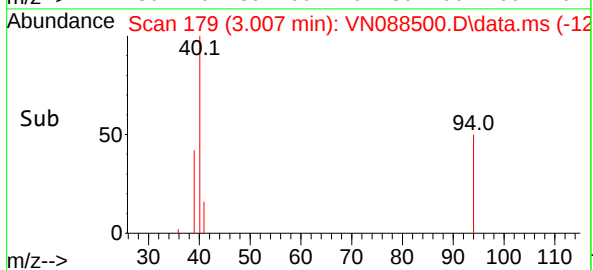
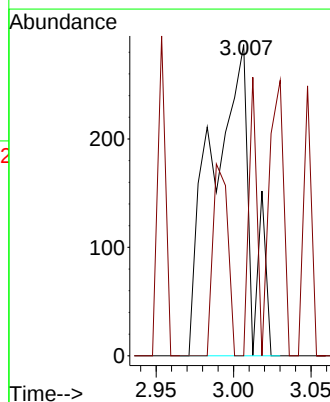
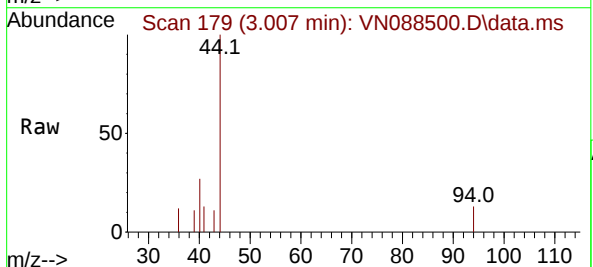
Instrument :
MSVOA_N
ClientSampleId :

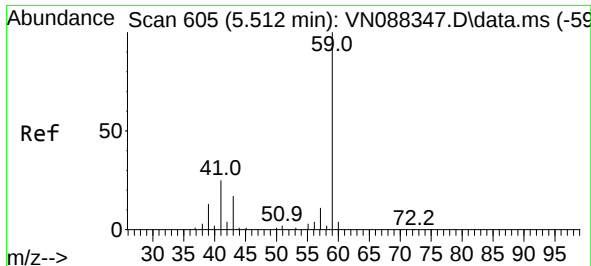
Tgt Ion:168 Resp: 225971
Ion Ratio Lower Upper
168 100
99 71.8 57.1 85.7



#5
Bromomethane
Concen: 0.277 ug/l
RT: 3.007 min Scan# 179
Delta R.T. 0.030 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

Tgt Ion: 94 Resp: 495
Ion Ratio Lower Upper
94 100
96 0.0 73.2 109.8#

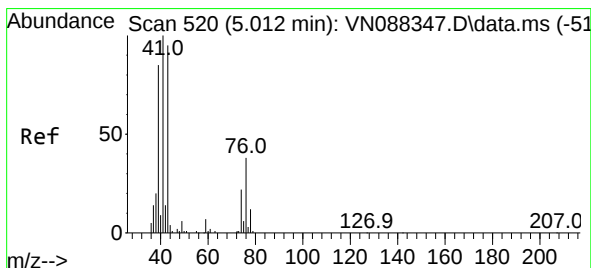
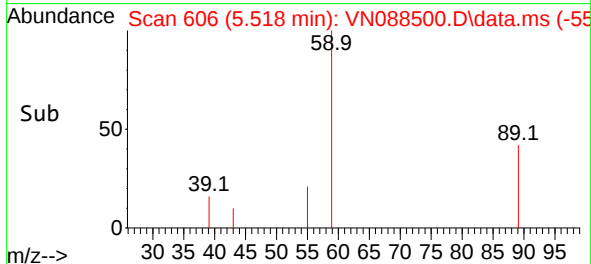
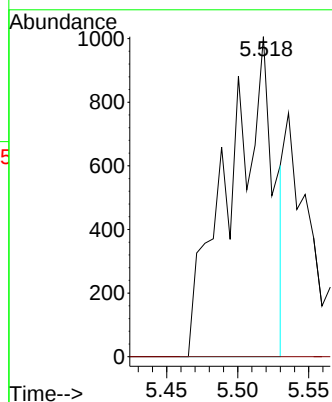
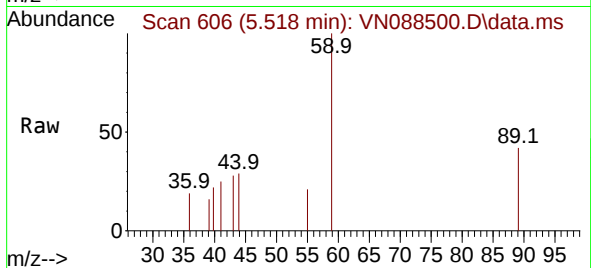




#11
Tert butyl alcohol
Concen: 3.253 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

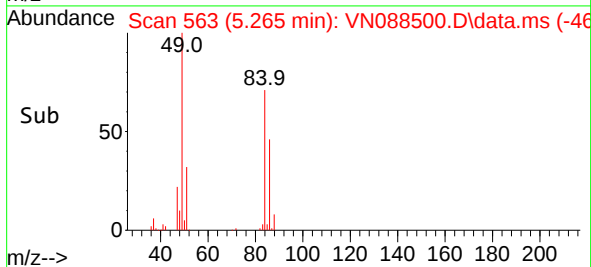
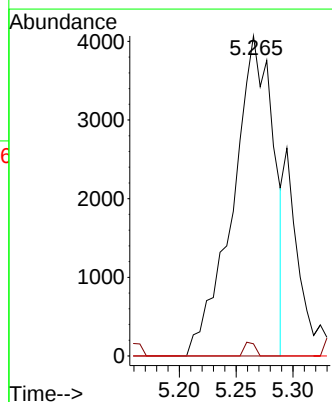
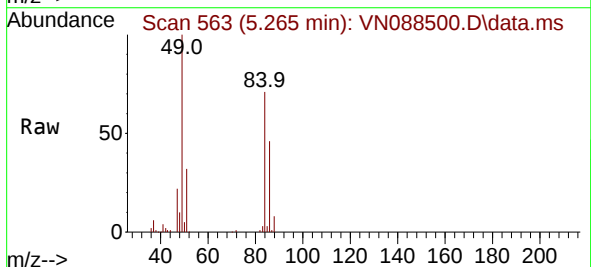
Instrument :
MSVOA_N
ClientSampleId :

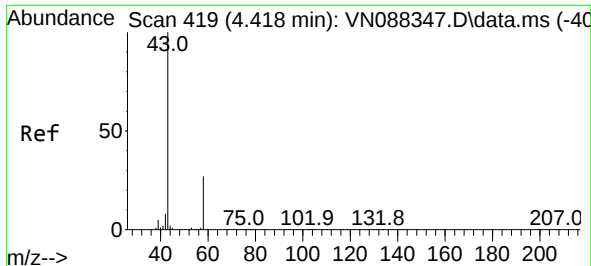
Tgt Ion: 59 Resp: 2211
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#14
Allyl chloride
Concen: 1.993 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.253 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

Tgt Ion: 41 Resp: 10183
Ion Ratio Lower Upper
41 100
39 1.1 64.7 97.1#
76 0.0 29.1 43.7#

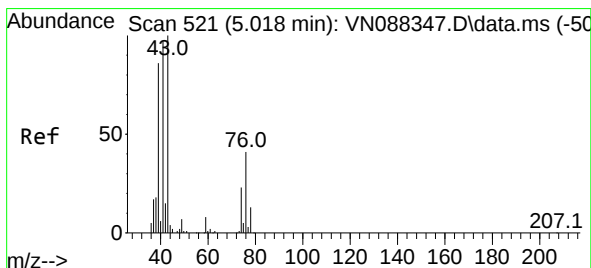
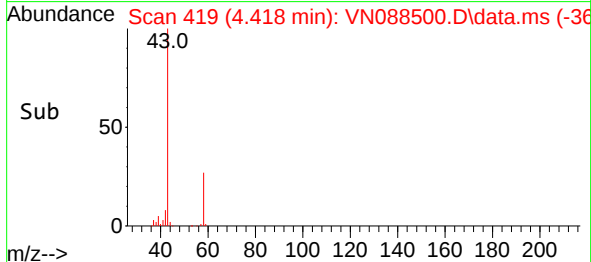
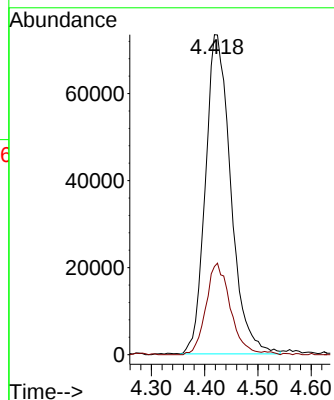
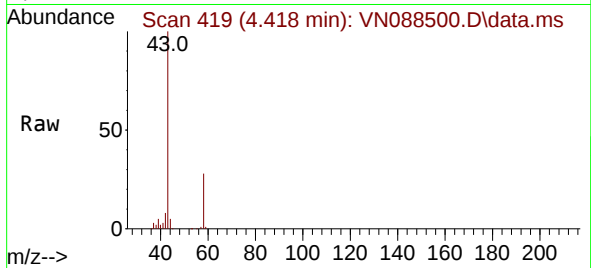




#16
Acetone
Concen: 158.071 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

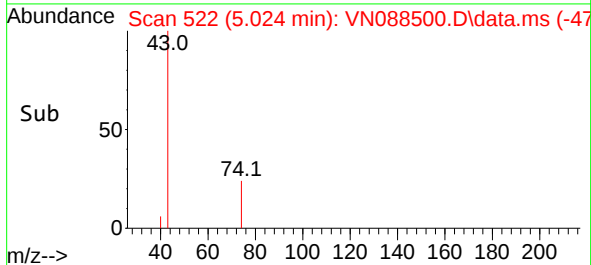
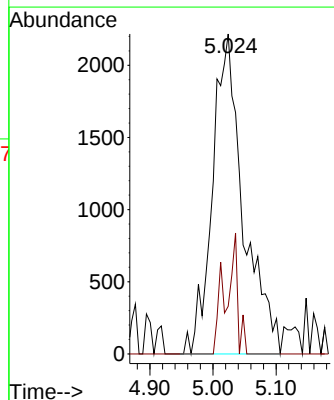
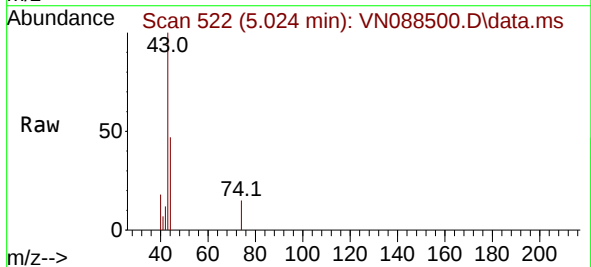
Instrument :
MSVOA_N
ClientSampleId :

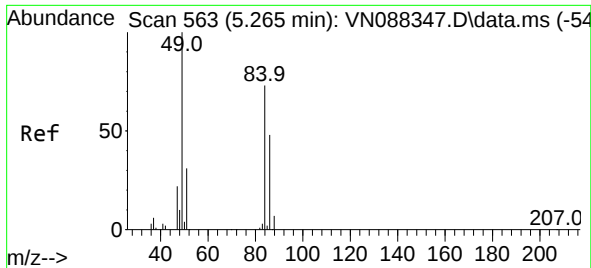
Tgt Ion: 43 Resp: 243350
Ion Ratio Lower Upper
43 100
58 27.6 21.7 32.5



#18
Methyl Acetate
Concen: 1.647 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

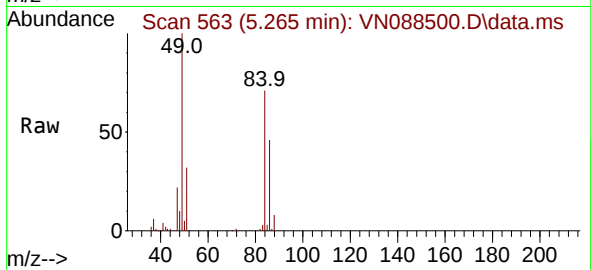
Tgt Ion: 43 Resp: 7549
Ion Ratio Lower Upper
43 100
74 9.3 17.9 26.9#



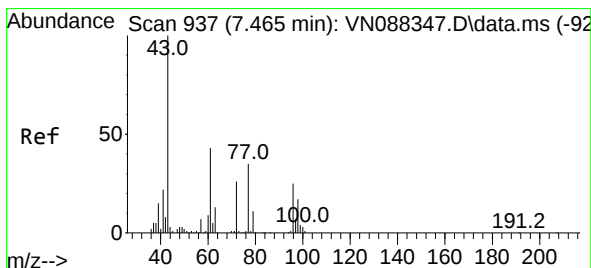
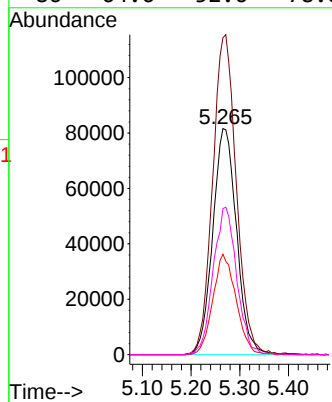
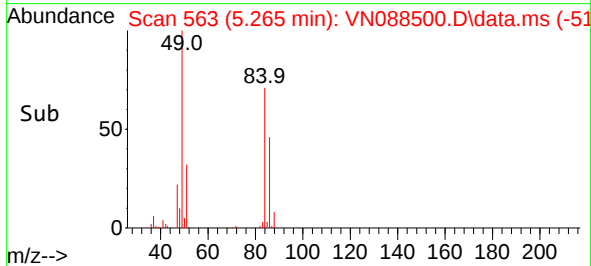


#20
Methylene Chloride
Concen: 84.154 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

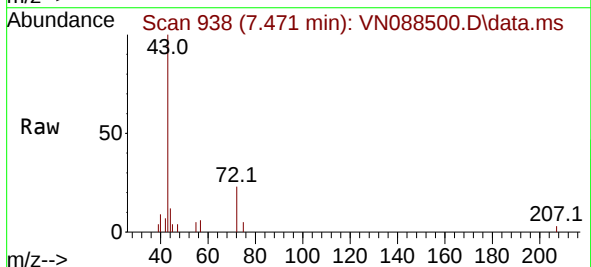
Instrument :
MSVOA_N
ClientSampleId :



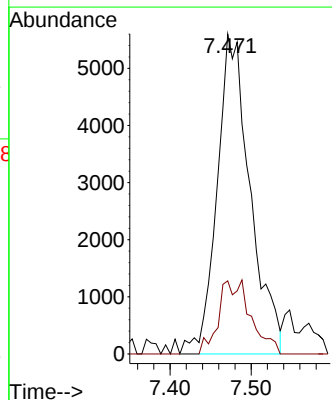
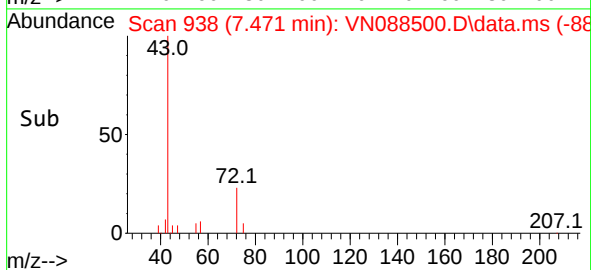
Tgt Ion: 84 Resp: 277185
Ion Ratio Lower Upper
84 100
49 140.2 110.2 165.2
51 44.4 34.1 51.1
86 64.6 52.6 78.8

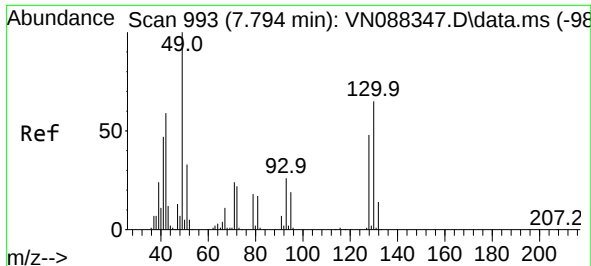


#25
2-Butanone
Concen: 6.422 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08



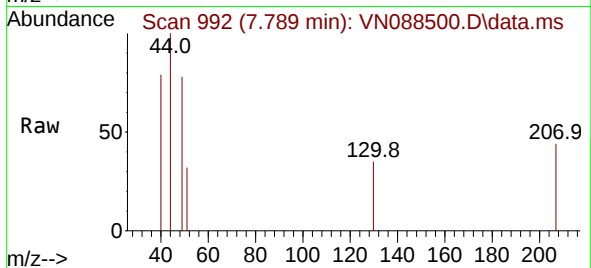
Tgt Ion: 43 Resp: 15895
Ion Ratio Lower Upper
43 100
72 22.8 20.5 30.7



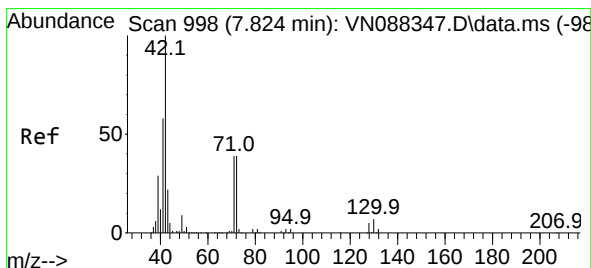
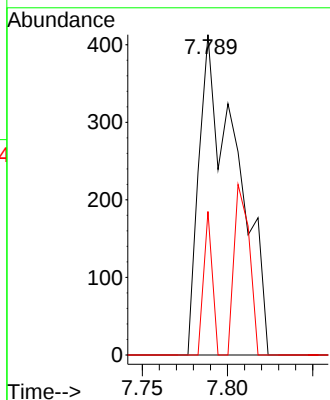
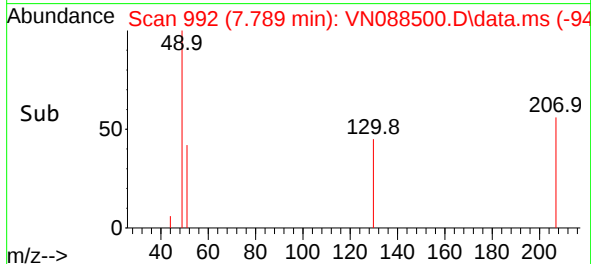


#28
Bromochloromethane
Concen: 0.207 ug/l
RT: 7.789 min Scan# 992
Delta R.T. -0.006 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

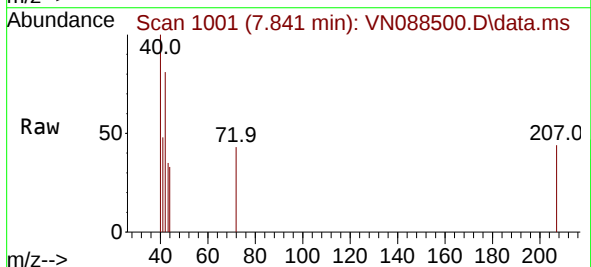
Instrument :
MSVOA_N
ClientSampleId :



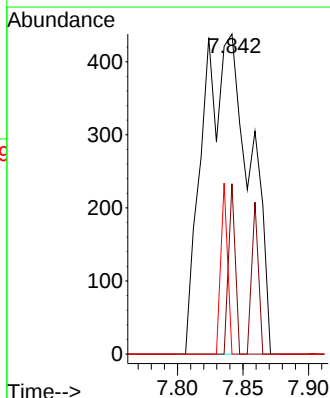
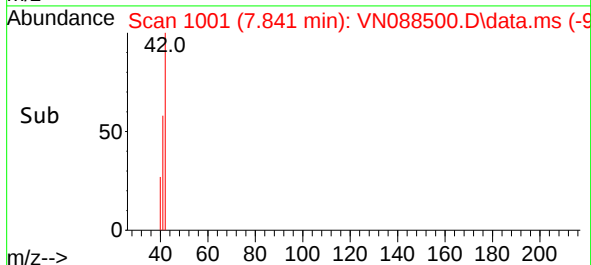
Tgt Ion: 49 Resp: 637
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 10.2 51.1 76.7#

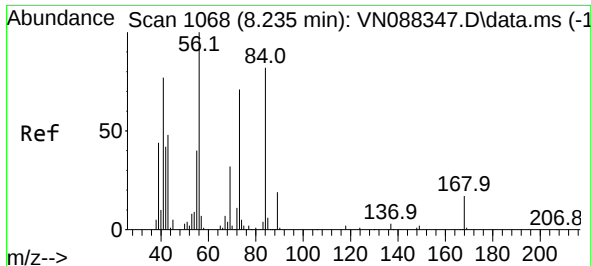


#29
Tetrahydrofuran
Concen: 0.611 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.018 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08



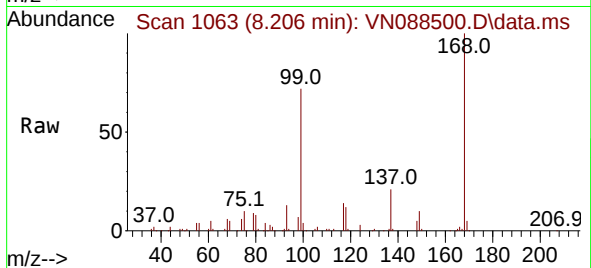
Tgt Ion: 42 Resp: 1085
Ion Ratio Lower Upper
42 100
72 7.6 32.2 48.4#
71 7.6 31.1 46.7#



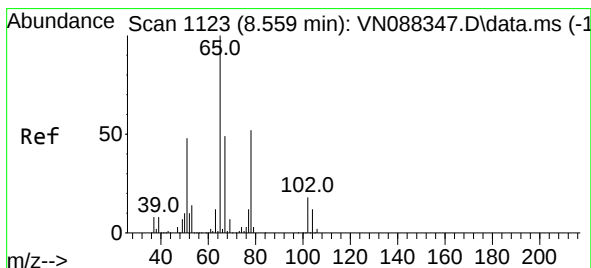
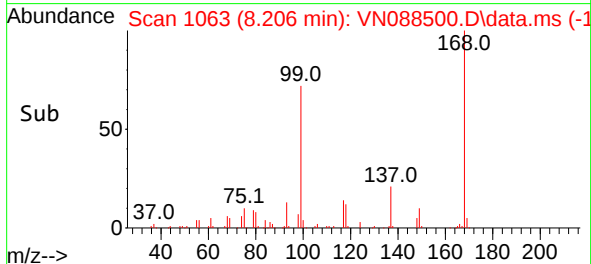
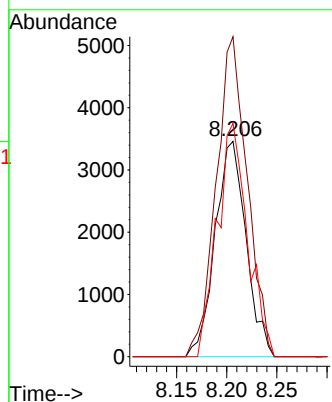


#31
Cyclohexane
Concen: 1.324 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :

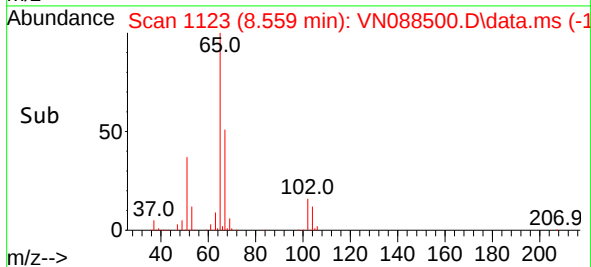
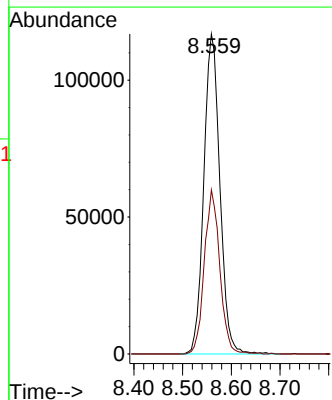
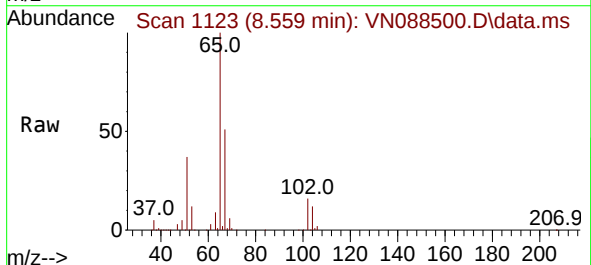


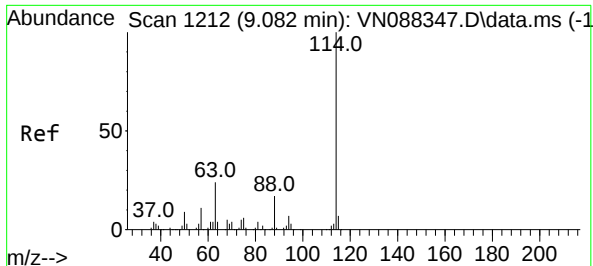
Tgt Ion	Ratio	Lower	Upper
56	100		
69	148.5	25.3	37.9#
84	108.3	65.4	98.2#



#33
1,2-Dichloroethane-d4
Concen: 62.742 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

Tgt Ion	Ratio	Lower	Upper
65	100		
67	49.5	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: VN088500.D

Acq: 10 Dec 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

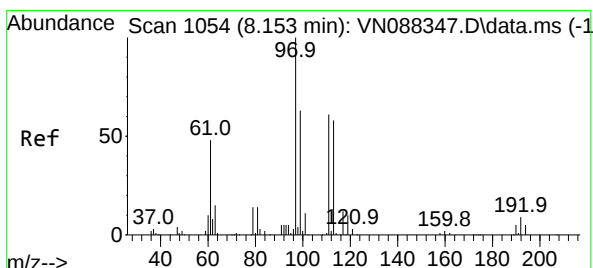
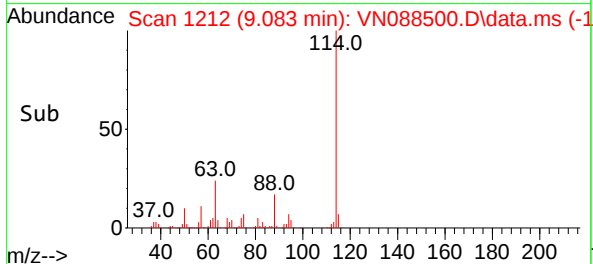
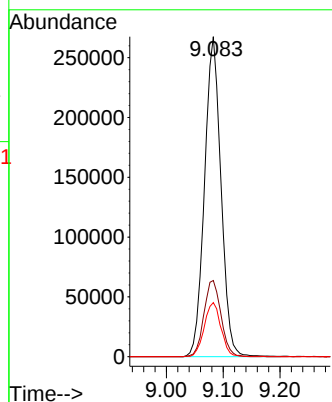
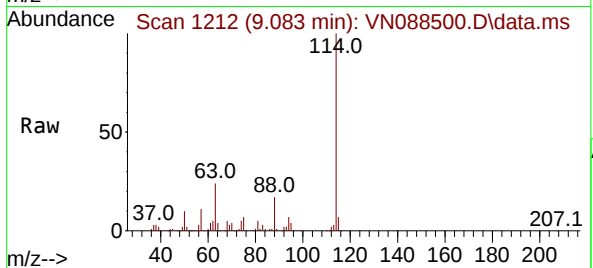
Tgt Ion:114 Resp: 537711

Ion Ratio Lower Upper

114 100

63 23.8 0.0 49.0

88 16.9 0.0 34.0



#35

Dibromofluoromethane

Concen: 49.368 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088500.D

Acq: 10 Dec 2025 15:08

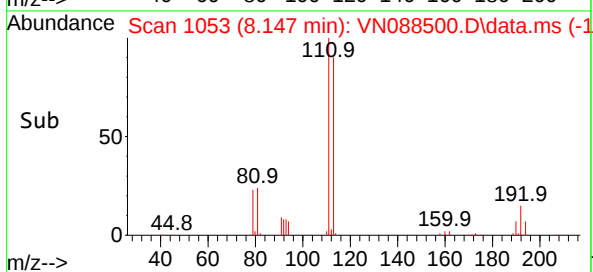
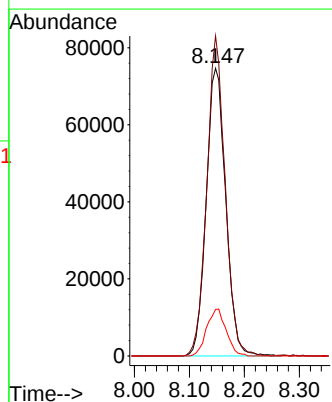
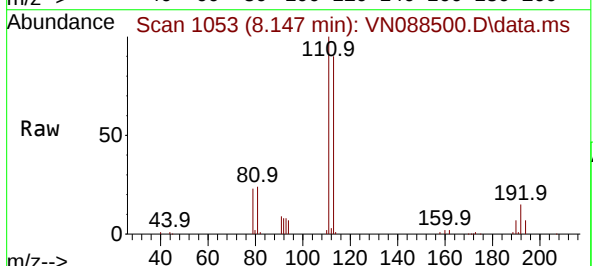
Tgt Ion:113 Resp: 183959

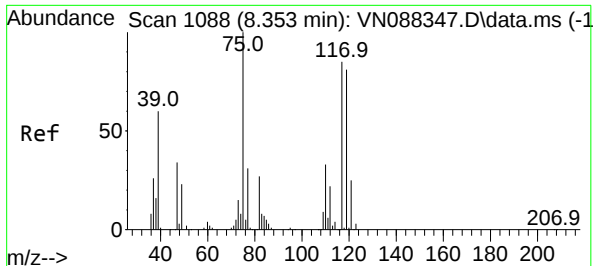
Ion Ratio Lower Upper

113 100

111 104.9 82.5 123.7

192 16.3 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.221 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088500.D

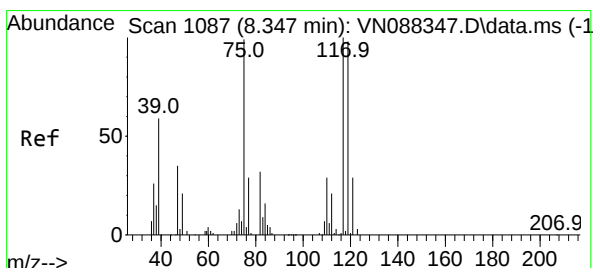
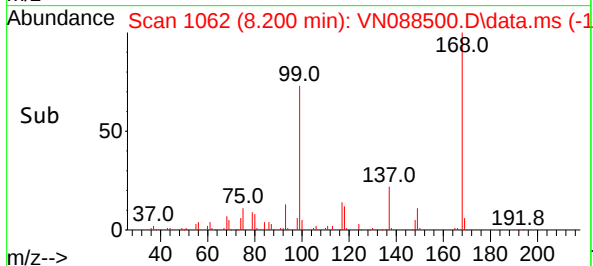
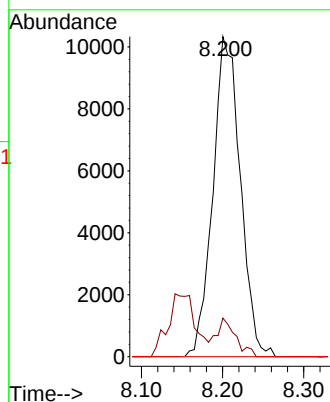
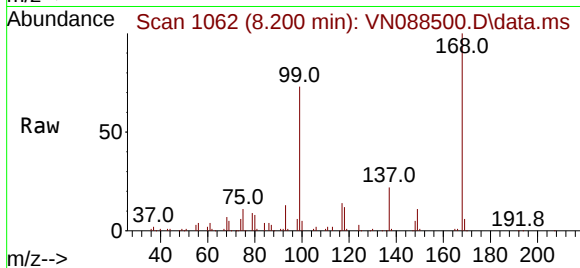
Acq: 10 Dec 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	24272
Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.8	47.4#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 4.785 ug/l

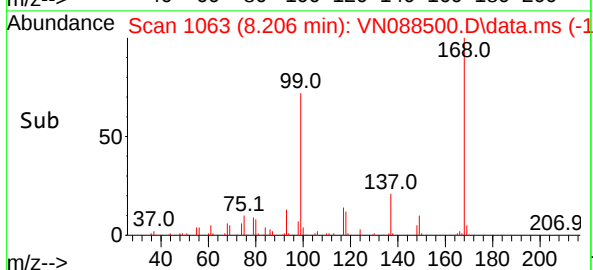
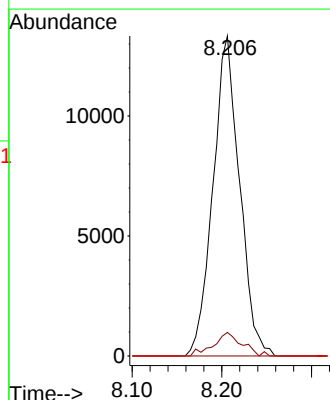
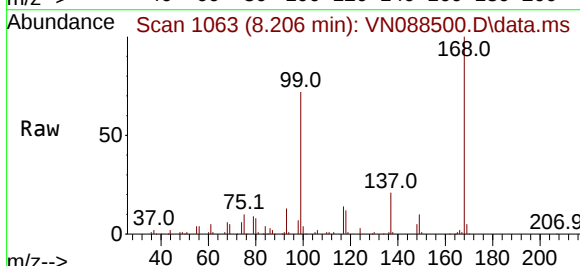
RT: 8.206 min Scan# 1063

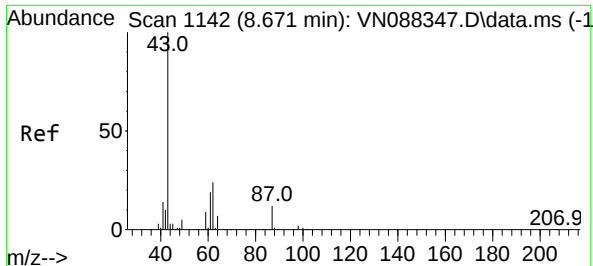
Delta R.T. -0.141 min

Lab File: VN088500.D

Acq: 10 Dec 2025 15:08

Tgt Ion:	117	Resp:	27392
Ion	Ratio	Lower	Upper
117	100		
119	7.3	78.2	117.4#
121	0.0	23.4	35.2#





#43

Isopropyl Acetate

Concen: 1.372 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

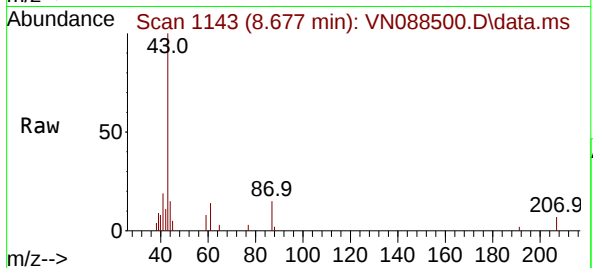
Lab File: VN088500.D

Acq: 10 Dec 2025 15:08

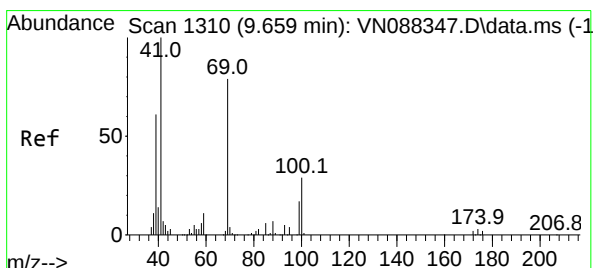
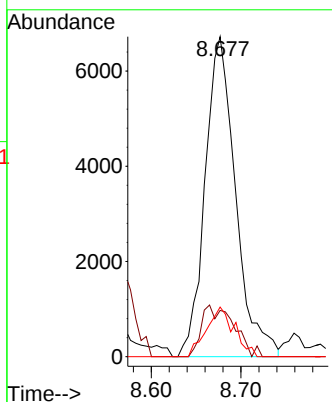
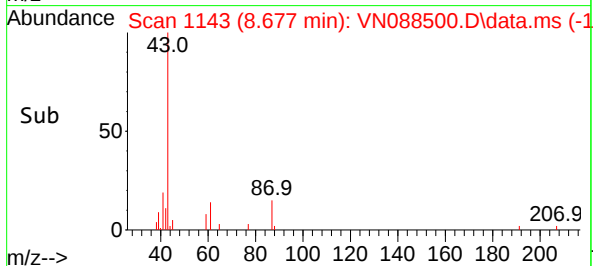
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 15852
Ion Ratio	Lower Upper
43	100
61	17.1 18.7 28.1#
87	14.3 9.1 13.7#



#48

Methyl methacrylate

Concen: 0.224 ug/l

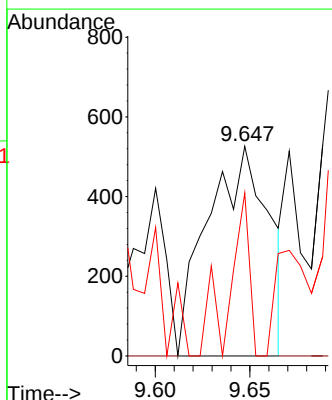
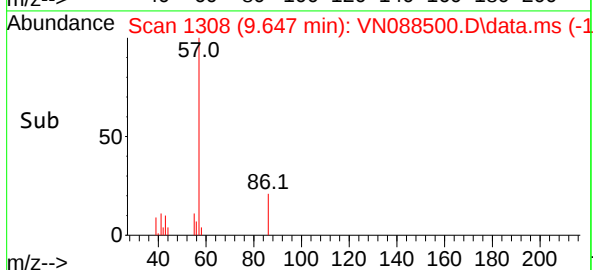
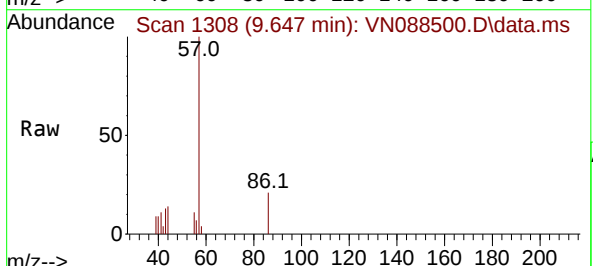
RT: 9.647 min Scan# 1308

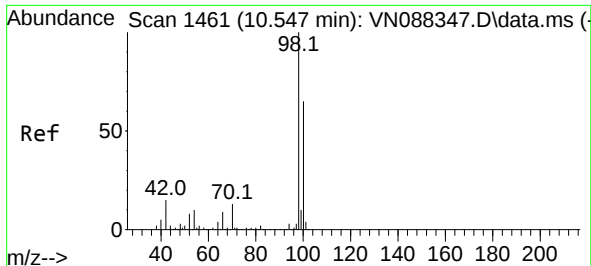
Delta R.T. -0.012 min

Lab File: VN088500.D

Acq: 10 Dec 2025 15:08

Tgt Ion: 41	Resp: 1179
Ion Ratio	Lower Upper
41	100
69	0.0 62.4 93.6#
39	0.0 52.6 79.0#

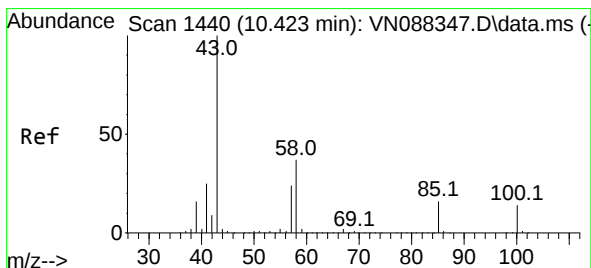
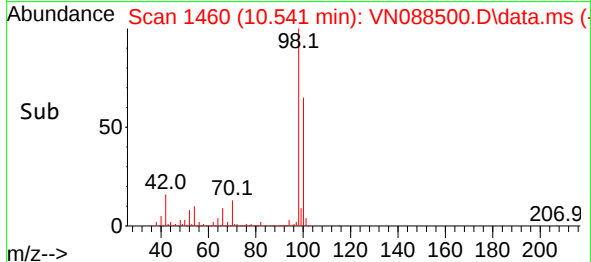
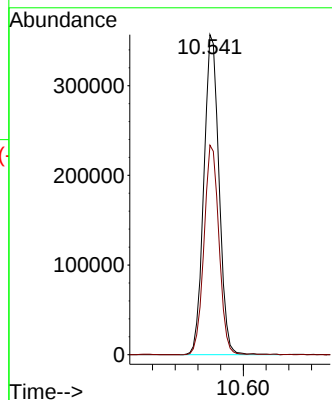
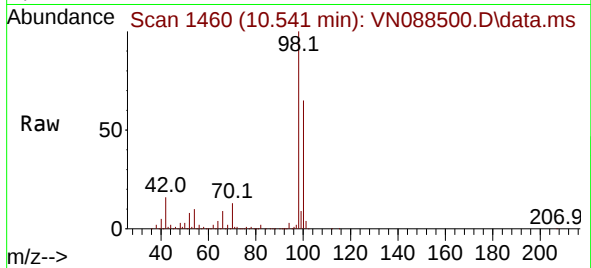




#50
Toluene-d8
Concen: 47.519 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

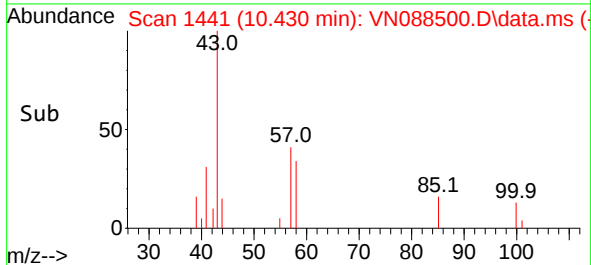
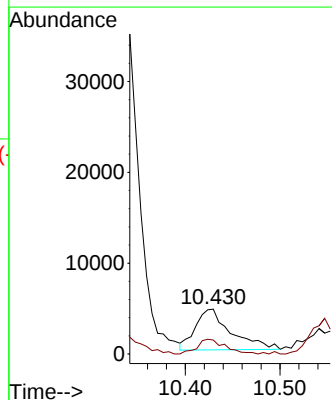
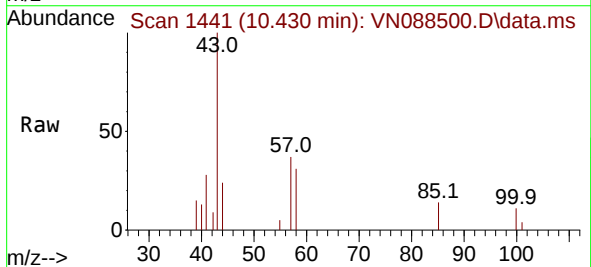
Instrument :
MSVOA_N
ClientSampleId :

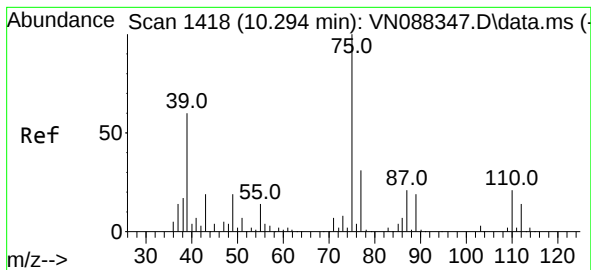
Tgt Ion: 98 Resp: 658837
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.732 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

Tgt Ion: 43 Resp: 11794
Ion Ratio Lower Upper
43 100
58 28.1 29.1 43.7#

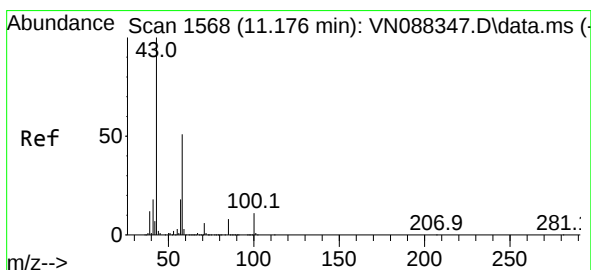
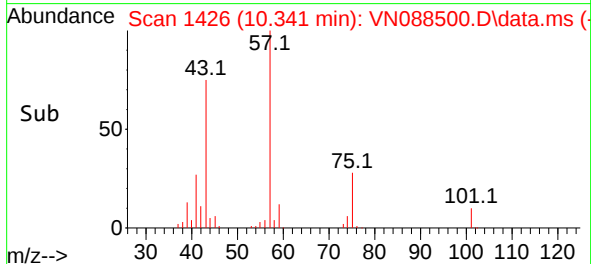
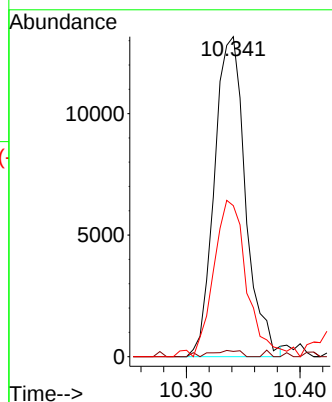
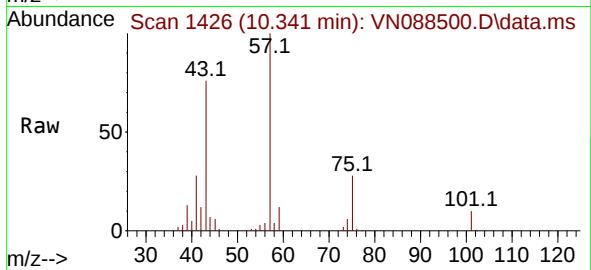




#54
cis-1,3-Dichloropropene
Concen: 3.688 ug/l
RT: 10.341 min Scan# 1418
Delta R.T. 0.047 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

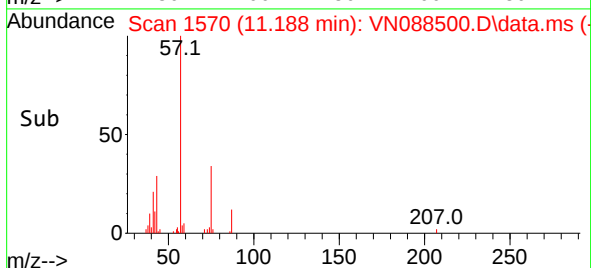
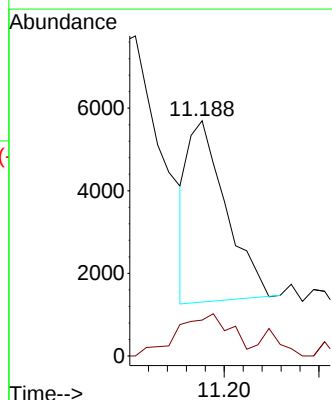
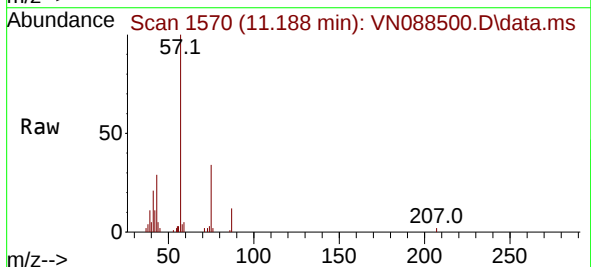
Instrument :
MSVOA_N
ClientSampleId :

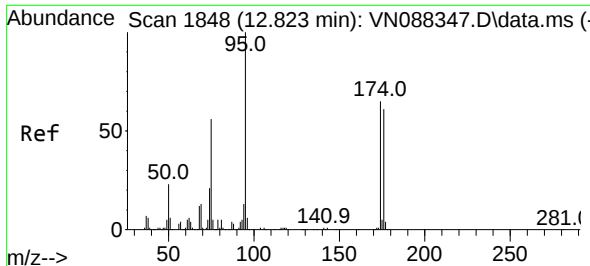
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	24.5	36.7#
39	45.4	48.3	72.5#



#59
2-Hexanone
Concen: 1.419 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. 0.012 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.3	75.9

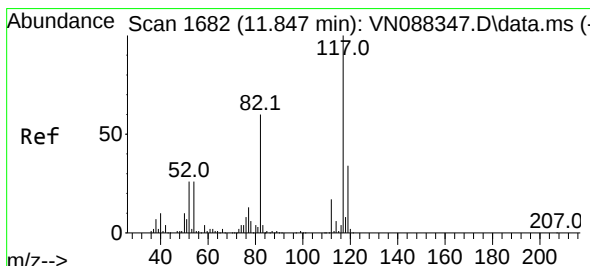
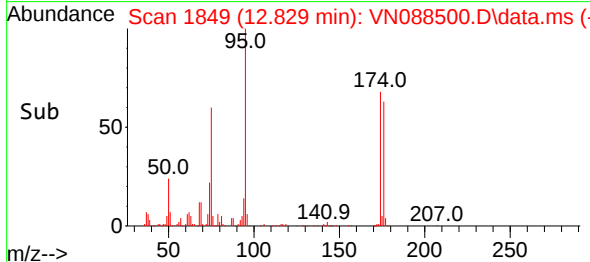
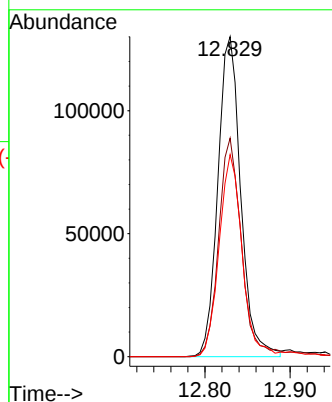
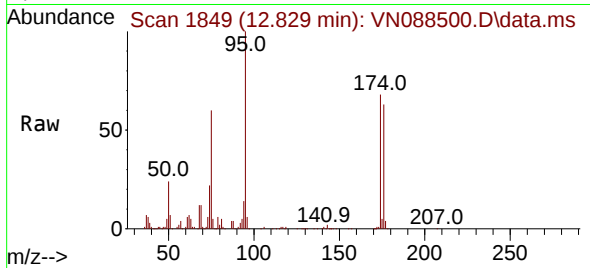




#62
4-Bromofluorobenzene
Concen: 51.129 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

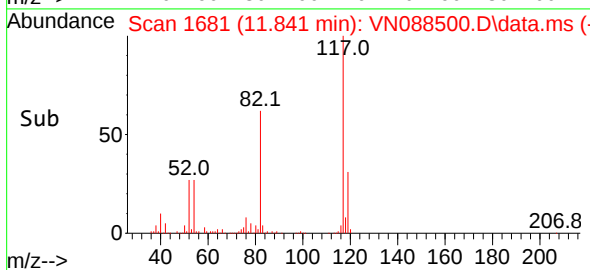
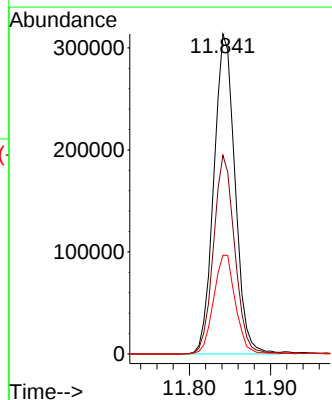
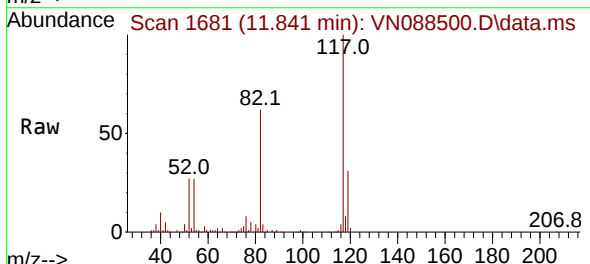
Instrument :
MSVOA_N
ClientSampleId :

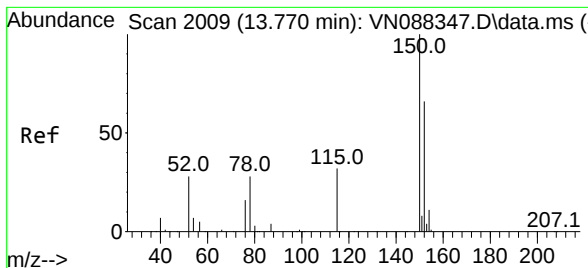
Tgt Ion: 95 Resp: 243234
Ion Ratio Lower Upper
95 100
174 69.5 0.0 139.0
176 63.7 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088500.D
Acq: 10 Dec 2025 15:08

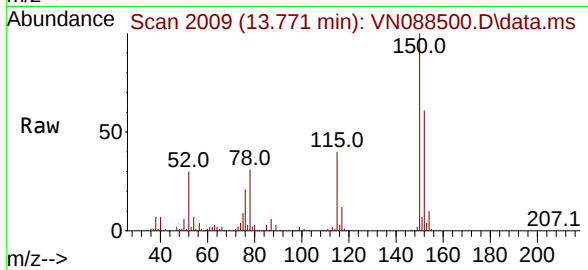
Tgt Ion: 117 Resp: 569739
Ion Ratio Lower Upper
117 100
82 62.1 47.8 71.8
119 30.8 26.9 40.3



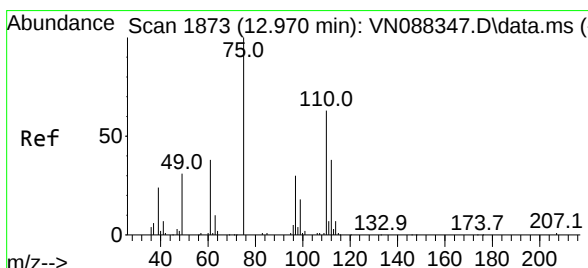
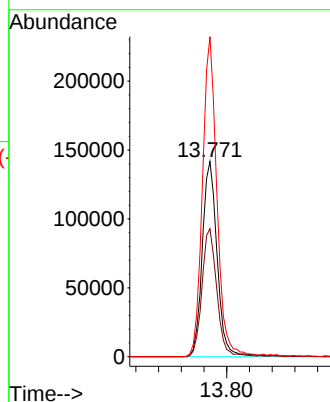
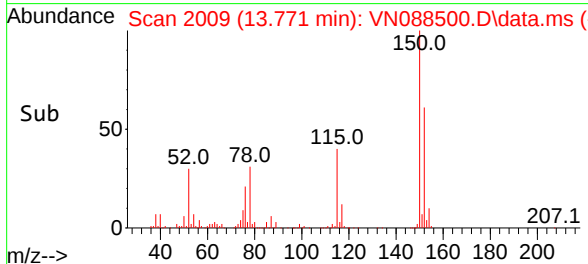


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN088500.D
 Acq: 10 Dec 2025 15:08

Instrument :
 MSVOA_N
 ClientSampleId :

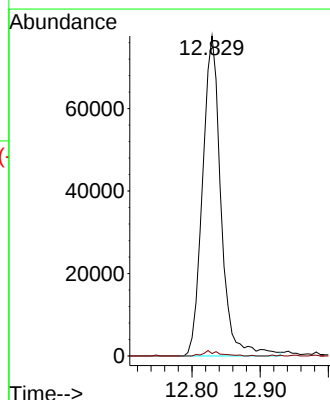
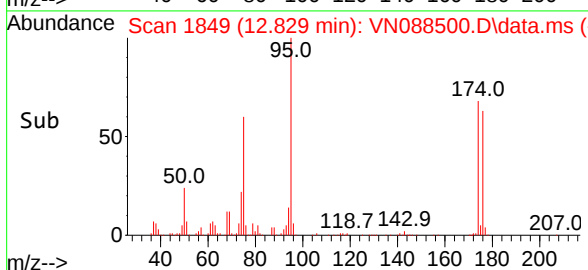
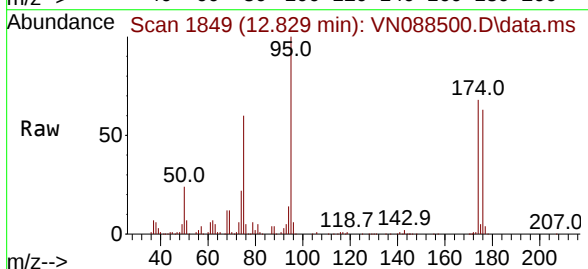


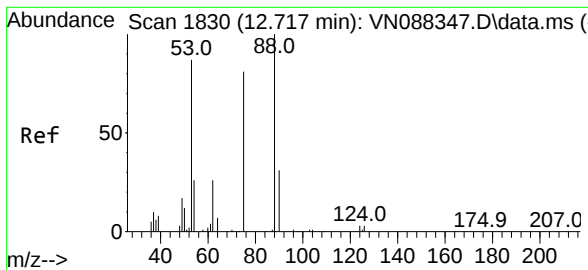
Tgt Ion:152 Resp: 257464
 Ion Ratio Lower Upper
 152 100
 115 65.2 33.0 98.9
 150 158.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.217 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088500.D
 Acq: 10 Dec 2025 15:08

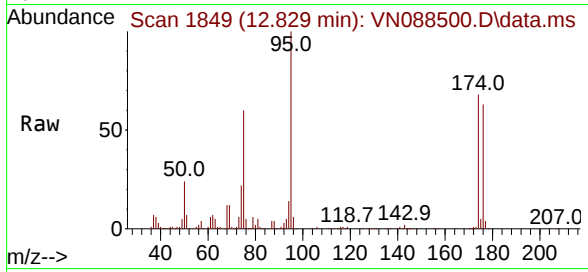
Tgt Ion: 75 Resp: 146033
 Ion Ratio Lower Upper
 75 100
 77 1.4 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.701 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088500.D
 Acq: 10 Dec 2025 15:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 146033
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.2 138.4#
 89 0.1 0.0 0.0#

