

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110625\
 Data File : VN088214.D
 Acq On : 06 Nov 2025 17:56
 Operator : JC\MD
 Sample : Q3560-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SY-10I

Quant Time: Nov 07 02:23:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

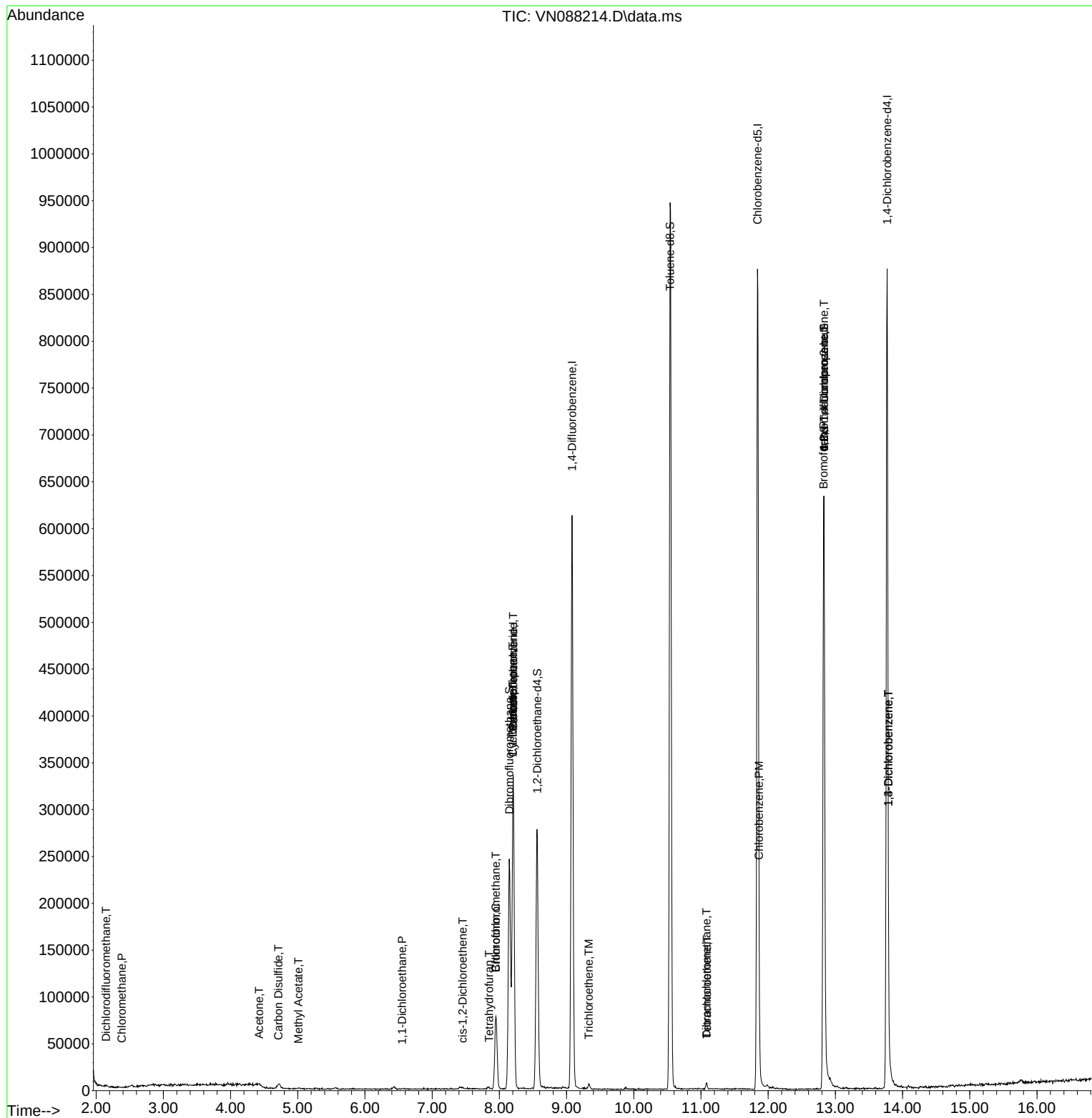
Internal Standards						
1) Pentafluorobenzene	8.206	168	219388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	502558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	478183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	233723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	228398	60.205	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.400%			
35) Dibromofluoromethane	8.147	113	172195	51.002	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	10.541	98	647041	49.738	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.480%			
62) 4-Bromofluorobenzene	12.829	95	247299	53.827	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.148	85	1397	0.565	ug/l	77
3) Chloromethane	2.383	50	832	0.286	ug/l	96
16) Acetone	4.424	43	5666	2.973	ug/l	94
17) Carbon Disulfide	4.712	76	1727	0.206	ug/l #	74
18) Methyl Acetate	5.012	43	1551	0.398	ug/l #	54
24) 1,1-Dichloroethane	6.553	63	1312	0.233	ug/l #	82
27) cis-1,2-Dichloroethene	7.453	96	758	0.218	ug/l #	1
28) Bromochloromethane	7.947	49	6718	2.525	ug/l #	19
29) Tetrahydrofuran	7.847	42	1546	0.944	ug/l #	40
30) Chloroform	7.947	83	75071	13.346	ug/l	99
31) Cyclohexane	8.200	56	6962	1.311	ug/l #	17
36) 1,1-Dichloropropene	8.200	75	21769	4.416	ug/l #	52
38) Carbon Tetrachloride	8.206	117	27463	5.394	ug/l #	14
44) Trichloroethene	9.329	130	1585	0.452	ug/l	46
60) Dibromochloromethane	11.082	129	1471	0.369	ug/l #	10
64) Tetrachloroethene	11.088	164	1438	0.456	ug/l #	89
65) Chlorobenzene	11.865	112	3124	0.288	ug/l	100
71) Bromoform	12.823	173	961	0.362	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	140477	26.289	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	140477	73.333	ug/l #	1
87) 1,3-Dichlorobenzene	13.788	146	2933	0.378	ug/l #	1
88) 1,4-Dichlorobenzene	13.788	146	2933	0.352	ug/l #	1

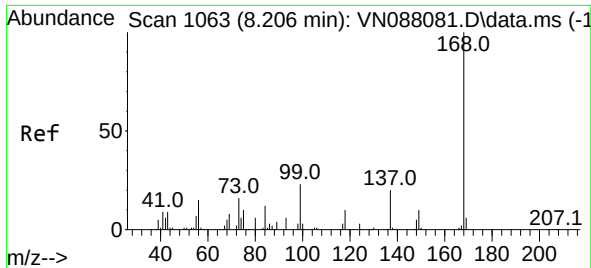
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Nov 07 02:23:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

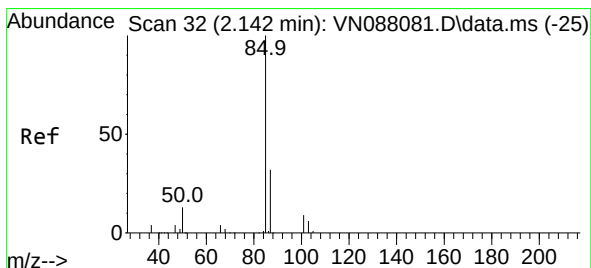
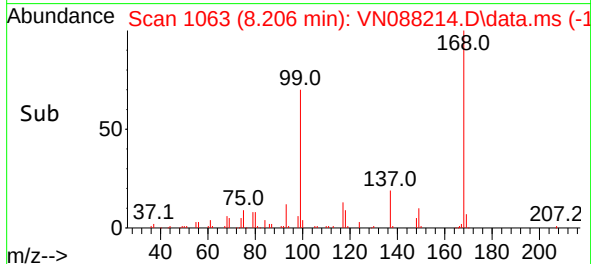
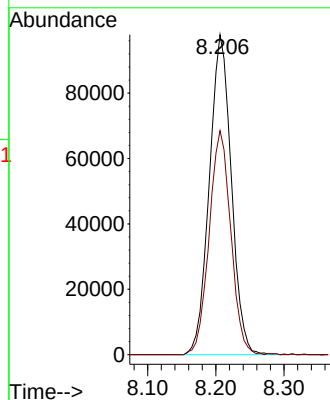
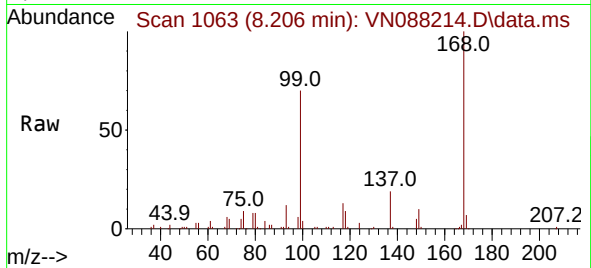




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

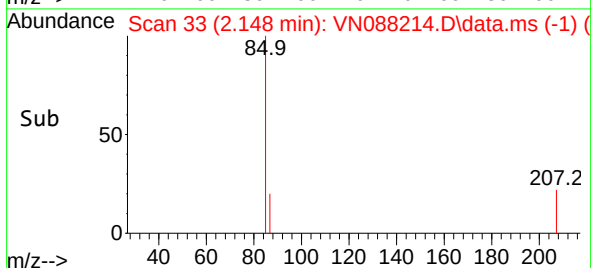
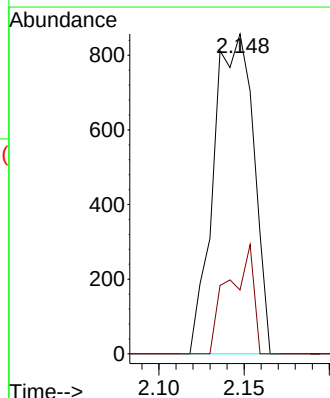
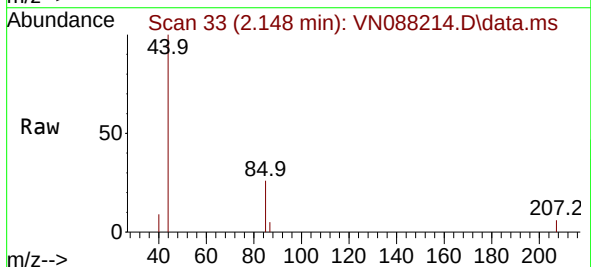
Instrument :
MSVOA_N
ClientSampleId :
SY-10I

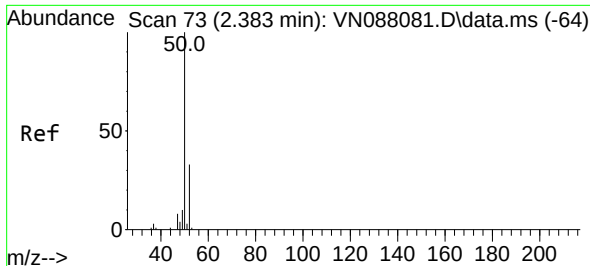
Tgt Ion:168 Resp: 219388
Ion Ratio Lower Upper
168 100
99 70.0 57.2 85.8



#2
Dichlorodifluoromethane
Concen: 0.565 ug/l
RT: 2.148 min Scan# 33
Delta R.T. 0.006 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion: 85 Resp: 1397
Ion Ratio Lower Upper
85 100
87 20.0 16.6 49.8

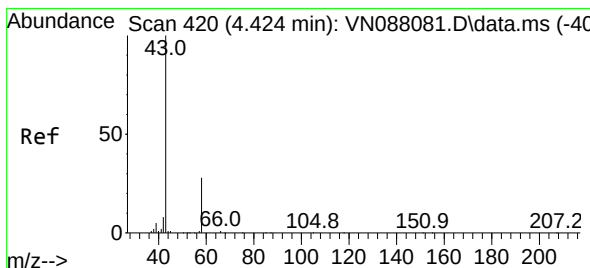
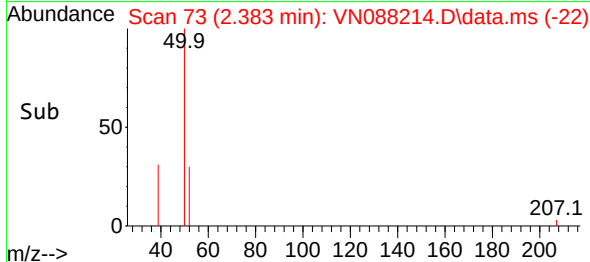
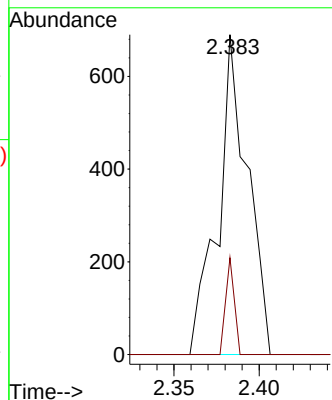
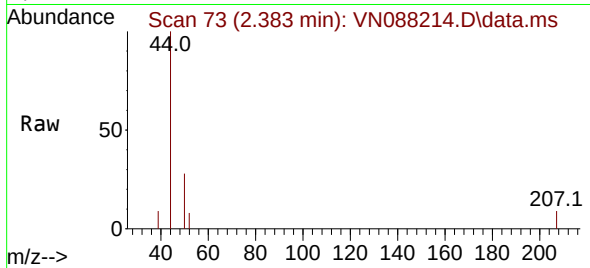




#3
Chloromethane
Concen: 0.286 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

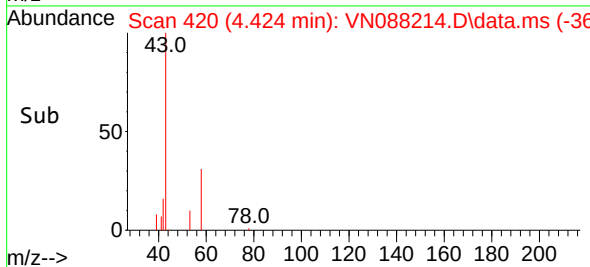
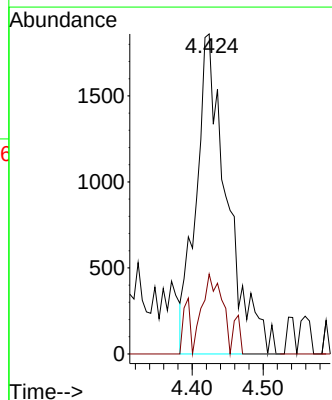
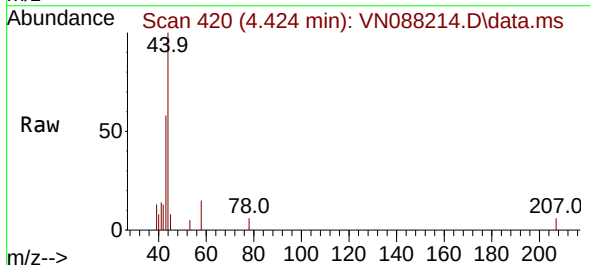
Instrument :
MSVOA_N
ClientSampleId :
SY-10I

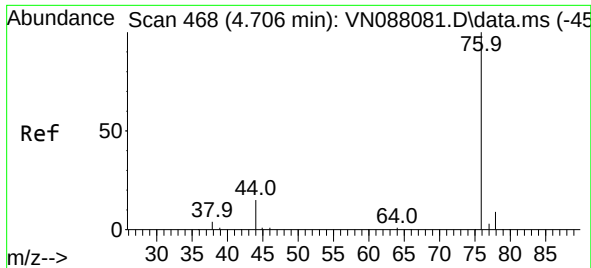
Tgt Ion: 50 Resp: 832
Ion Ratio Lower Upper
50 100
52 30.3 26.2 39.4



#16
Acetone
Concen: 2.973 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion: 43 Resp: 5666
Ion Ratio Lower Upper
43 100
58 24.9 22.6 33.8

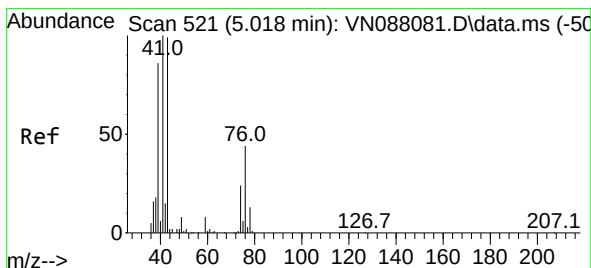
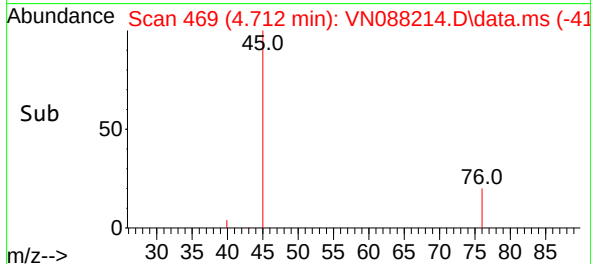
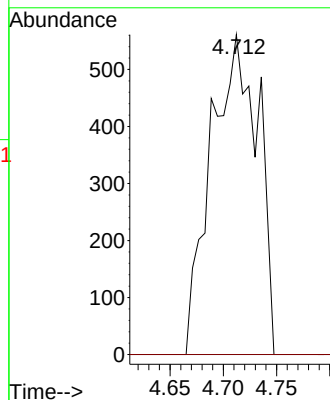
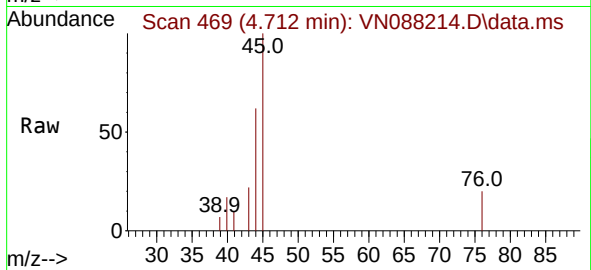




#17
Carbon Disulfide
Concen: 0.206 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

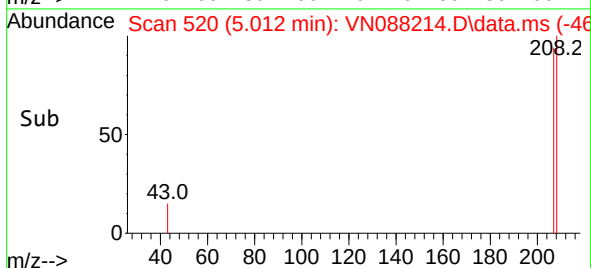
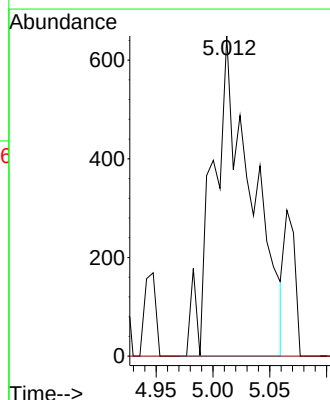
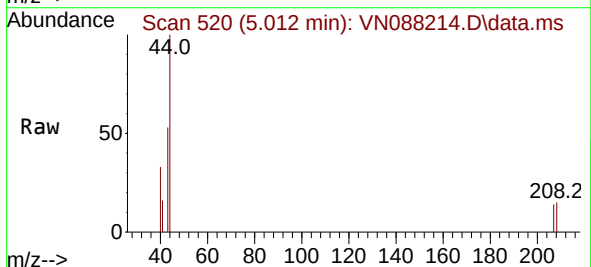
Instrument :
MSVOA_N
ClientSampleId :
SY-10I

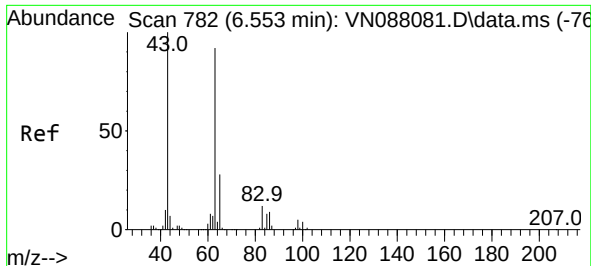
Tgt Ion: 76 Resp: 1727
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 0.398 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.000 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion: 43 Resp: 1551
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#

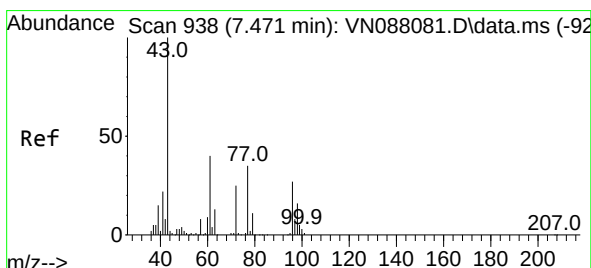
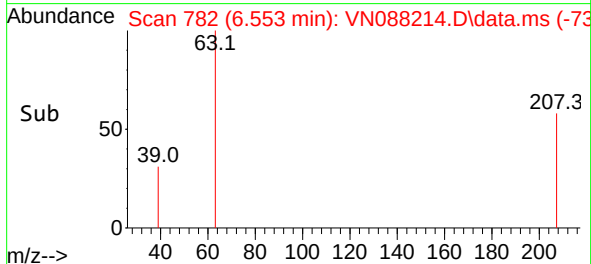
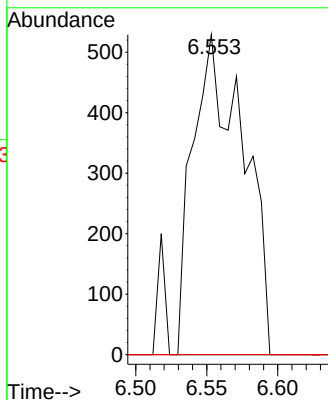
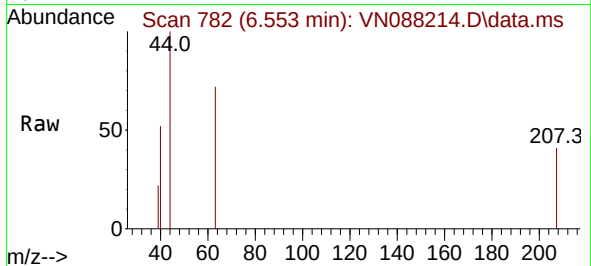




#24
1,1-Dichloroethane
Concen: 0.233 ug/l
RT: 6.553 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

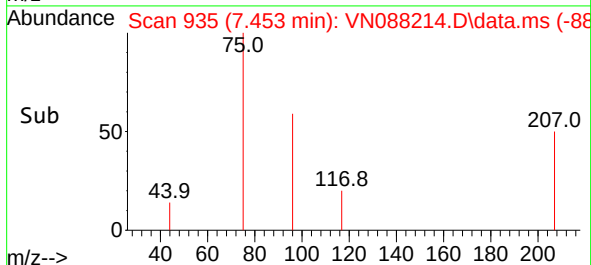
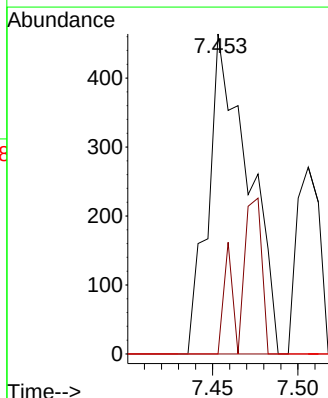
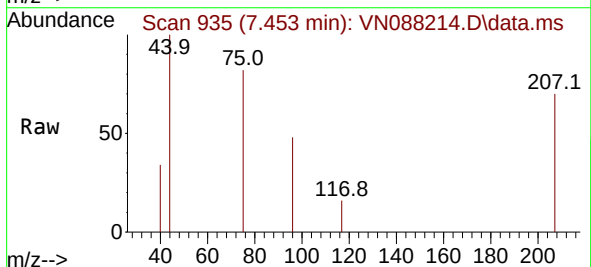
Instrument :
MSVOA_N
ClientSampleId :
SY-10I

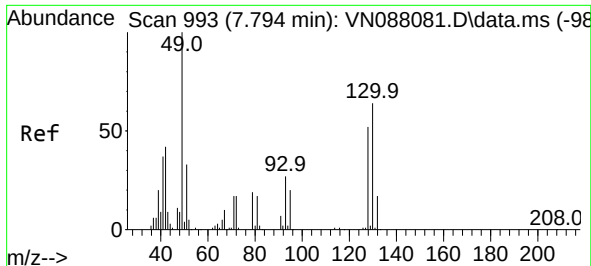
Tgt Ion: 63 Resp: 1312
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.4#
100 0.0 2.0 6.0#



#27
cis-1,2-Dichloroethene
Concen: 0.218 ug/l
RT: 7.453 min Scan# 935
Delta R.T. -0.012 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion: 96 Resp: 758
Ion Ratio Lower Upper
96 100
61 0.0 0.0 301.8
98 0.0 0.0 126.2

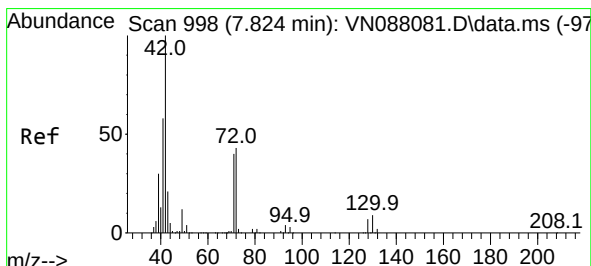
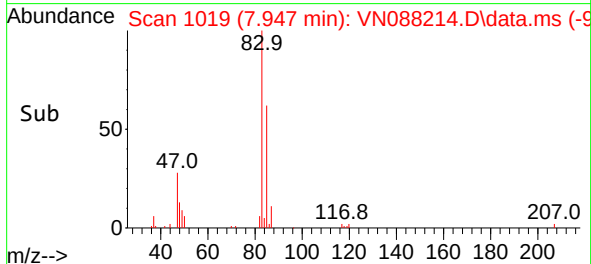
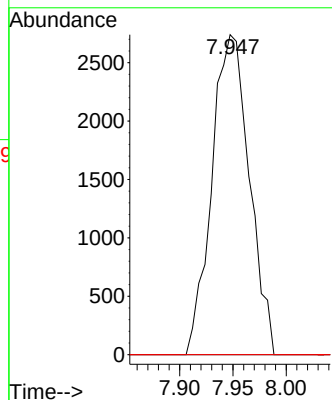
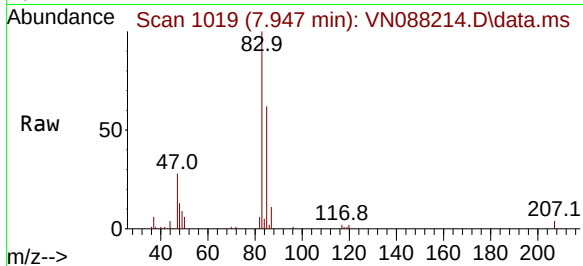




#28
Bromochloromethane
Concen: 2.525 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.147 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

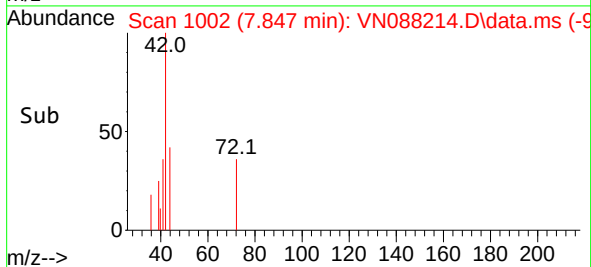
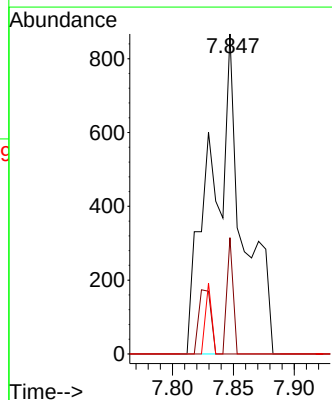
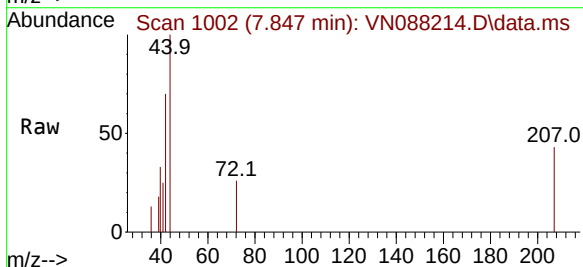
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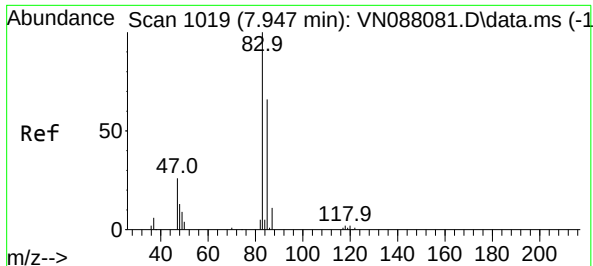
Tgt Ion: 49 Resp: 6718
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 0.0 53.1 79.7#



#29
Tetrahydrofuran
Concen: 0.944 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.023 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion: 42 Resp: 1546
Ion Ratio Lower Upper
42 100
72 7.2 33.7 50.5#
71 0.0 31.9 47.9#





#30

Chloroform

Concen: 13.346 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VN088214.D

Acq: 06 Nov 2025 17:56

Instrument :

MSVOA_N

ClientSampleId :

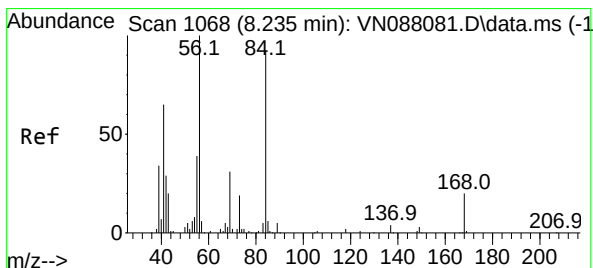
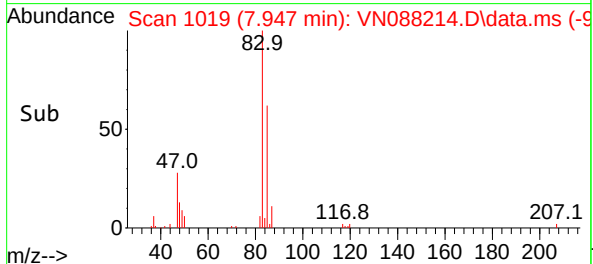
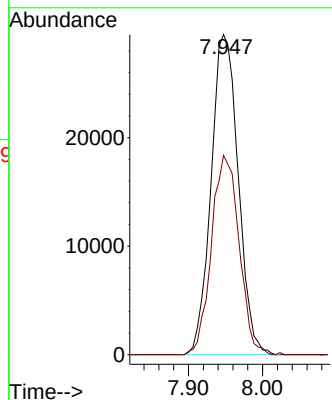
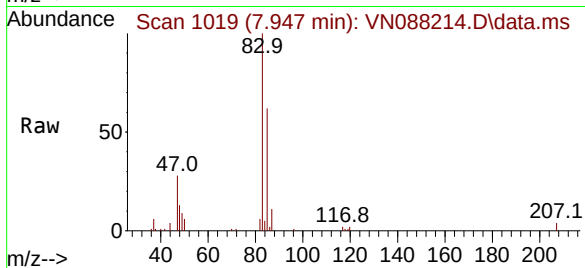
SY-10I

Tgt Ion: 83 Resp: 75071

Ion Ratio Lower Upper

83 100

85 62.3 50.7 76.1



#31

Cyclohexane

Concen: 1.311 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.035 min

Lab File: VN088214.D

Acq: 06 Nov 2025 17:56

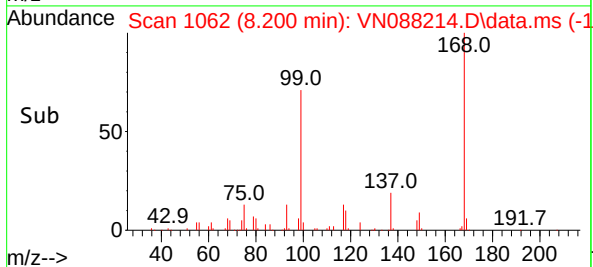
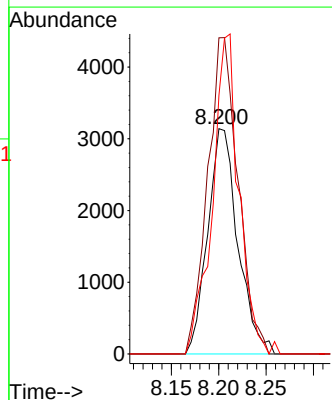
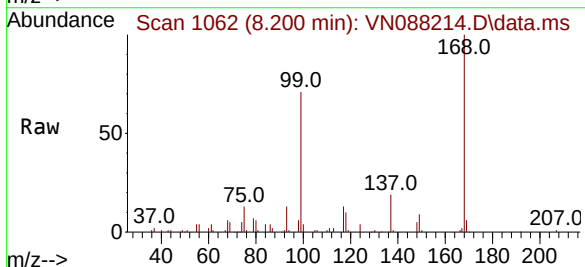
Tgt Ion: 56 Resp: 6962

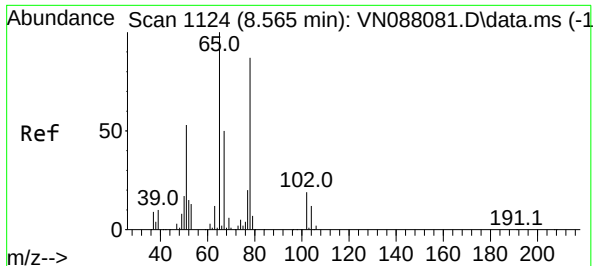
Ion Ratio Lower Upper

56 100

69 140.3 23.7 35.5#

84 114.7 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 60.205 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN088214.D

Acq: 06 Nov 2025 17:56

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MSVOA_N

ClientSampleId :

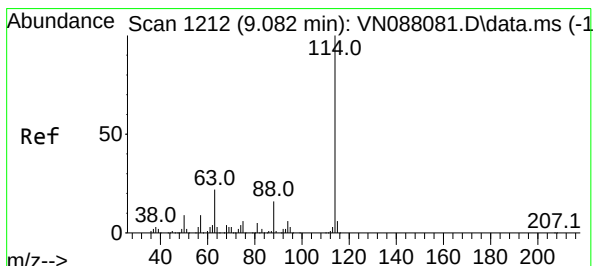
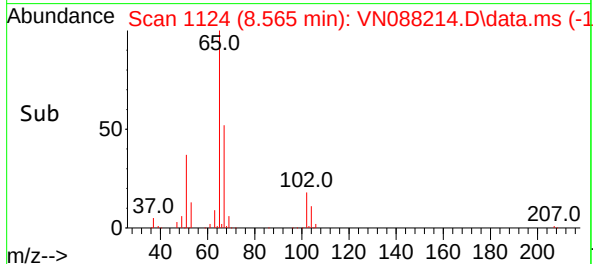
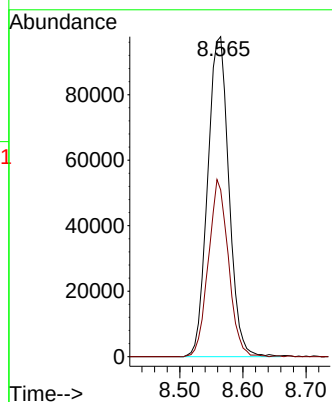
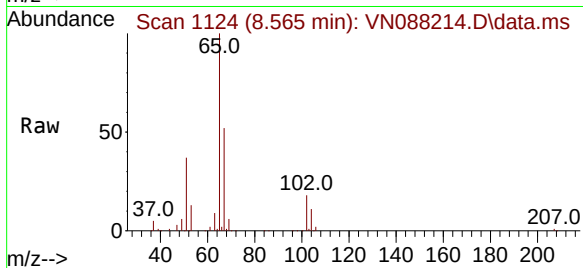
SY-10I

Tgt Ion: 65 Resp: 228398

Ion Ratio Lower Upper

65 100

67 52.2 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088214.D

Acq: 06 Nov 2025 17:56

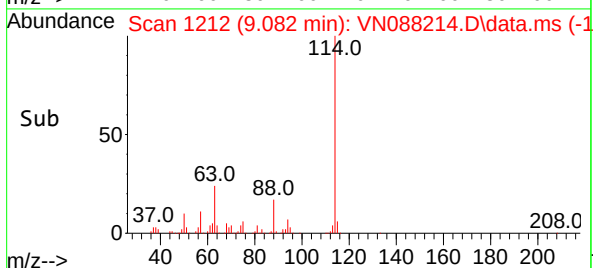
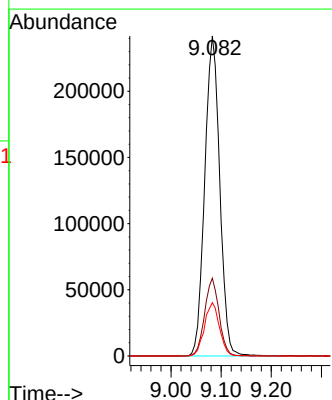
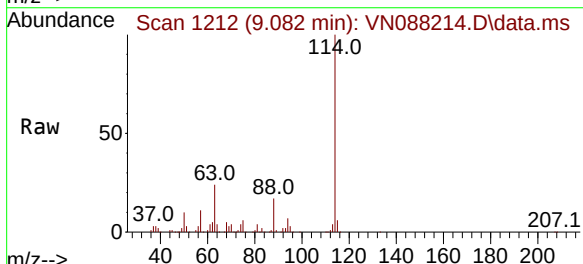
Tgt Ion: 114 Resp: 502558

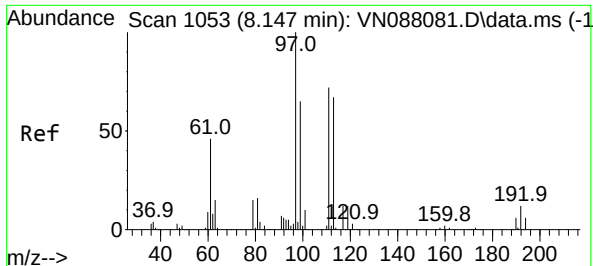
Ion Ratio Lower Upper

114 100

63 24.3 0.0 45.2

88 16.6 0.0 33.4

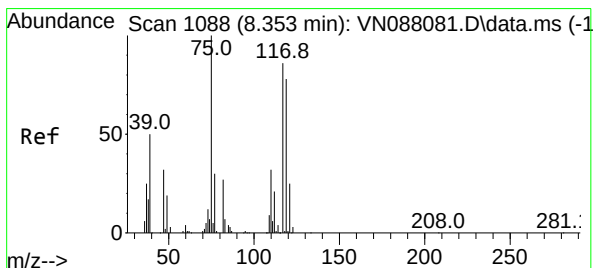
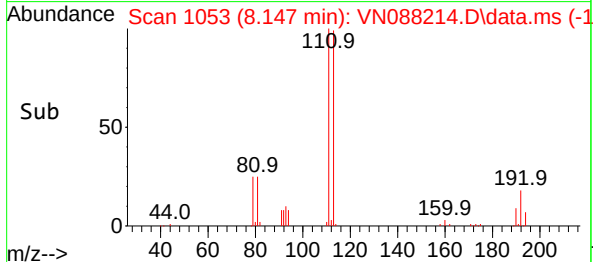
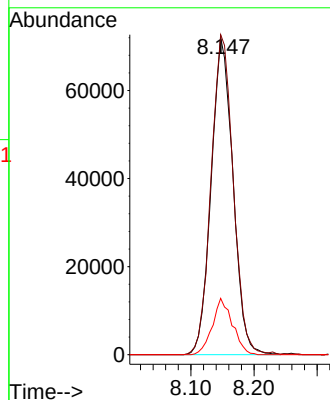
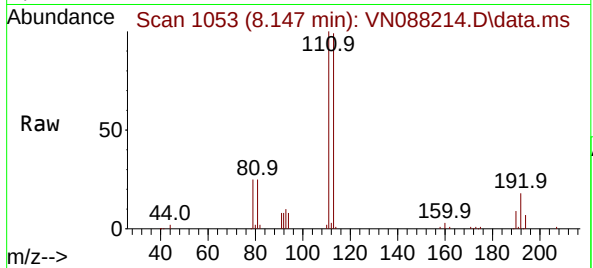




#35
 Dibromofluoromethane
 Concen: 51.002 ug/l
 RT: 8.147 min Scan# 1053
 Delta R.T. -0.006 min
 Lab File: VN088214.D
 Acq: 06 Nov 2025 17:56

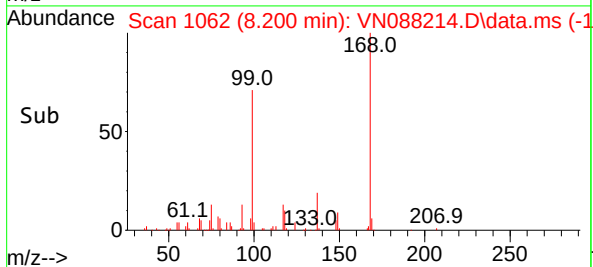
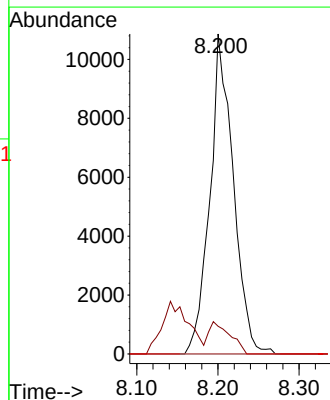
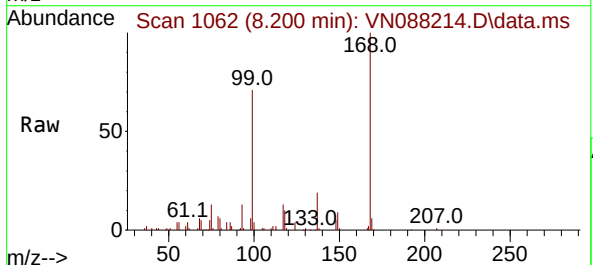
Instrument :
 MSVOA_N
 ClientSampleId :
 SY-10I

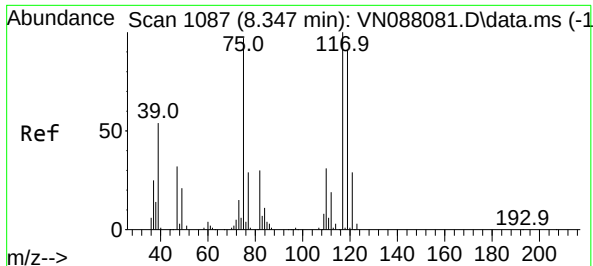
Tgt Ion:113 Resp: 172195
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.8 124.2
 192 16.4 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.416 ug/l
 RT: 8.200 min Scan# 1062
 Delta R.T. -0.153 min
 Lab File: VN088214.D
 Acq: 06 Nov 2025 17:56

Tgt Ion: 75 Resp: 21769
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.9 47.6#
 77 0.0 24.4 36.6#

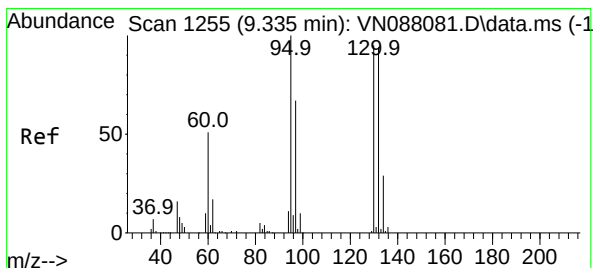
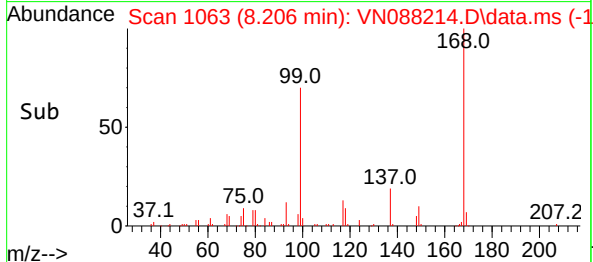
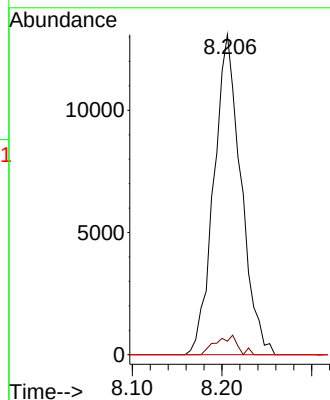
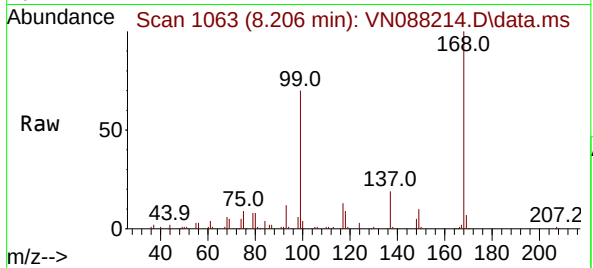




#38
Carbon Tetrachloride
Concen: 5.394 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

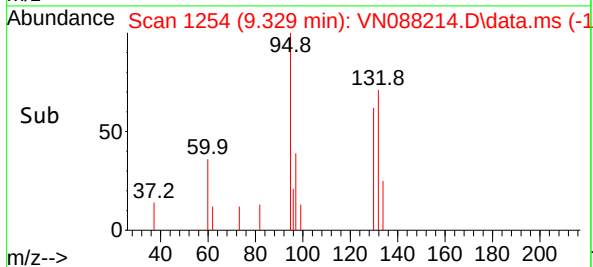
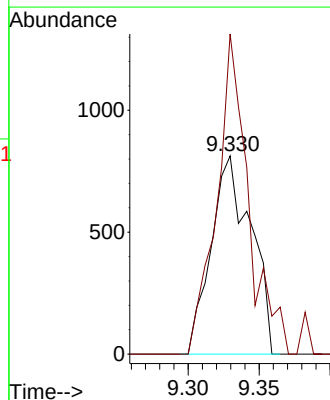
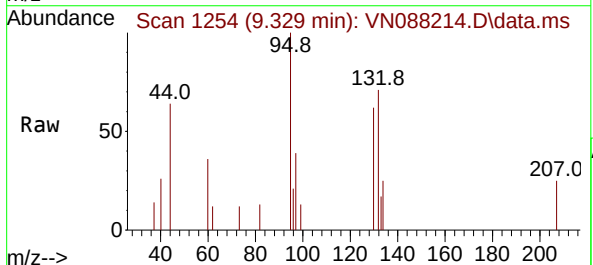
Instrument :
MSVOA_N
ClientSampleId :
SY-10I

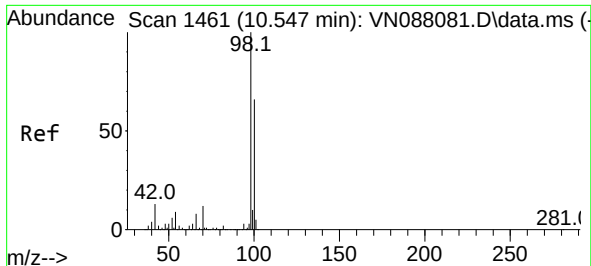
Tgt Ion:117 Resp: 27463
Ion Ratio Lower Upper
117 100
119 4.2 79.0 118.6#
121 0.0 25.0 37.6#



#44
Trichloroethene
Concen: 0.452 ug/l
RT: 9.329 min Scan# 1254
Delta R.T. -0.000 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion:130 Resp: 1585
Ion Ratio Lower Upper
130 100
95 161.5 0.0 212.0

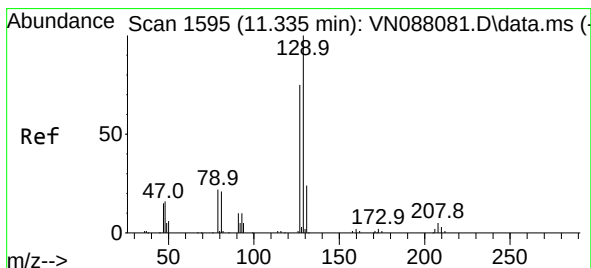
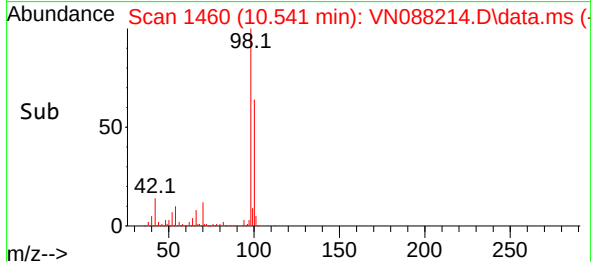
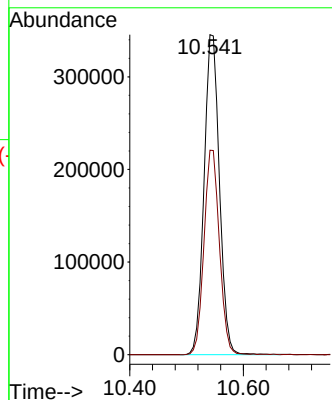
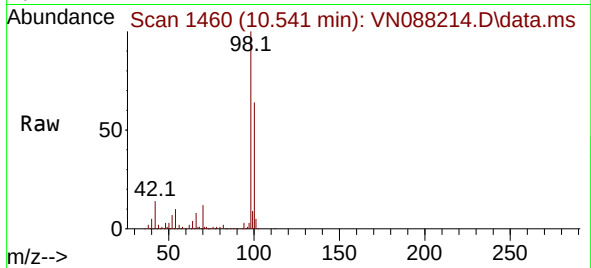




#50
Toluene-d8
Concen: 49.738 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

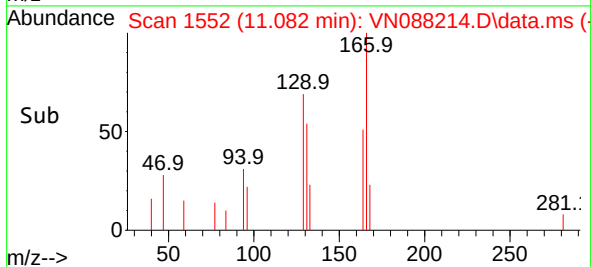
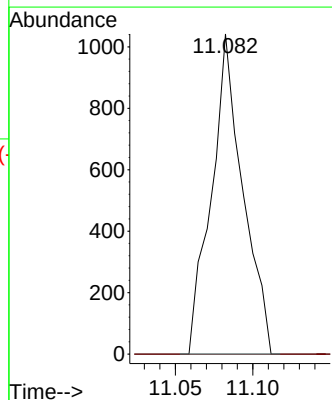
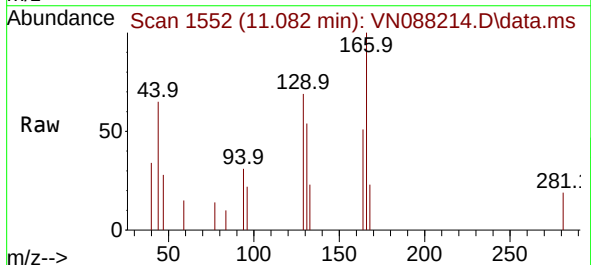
Instrument :
MSVOA_N
ClientSampleId :
SY-10I

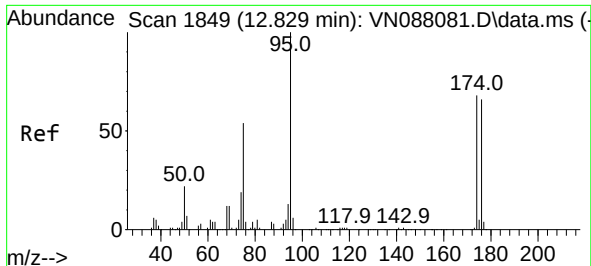
Tgt Ion: 98 Resp: 647041
Ion Ratio Lower Upper
98 100
100 64.2 52.8 79.2



#60
Dibromochloromethane
Concen: 0.369 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.253 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion:129 Resp: 1471
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#

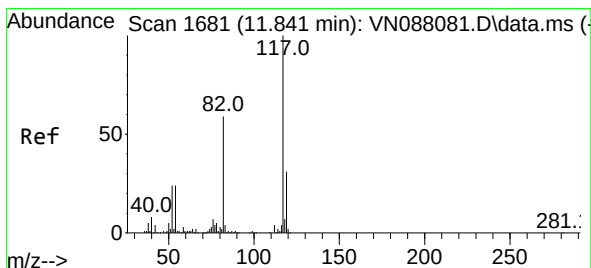
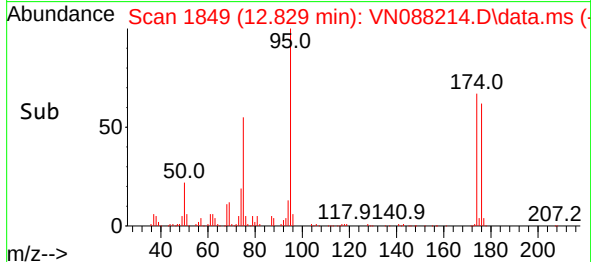
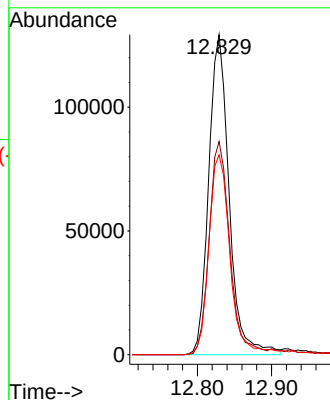
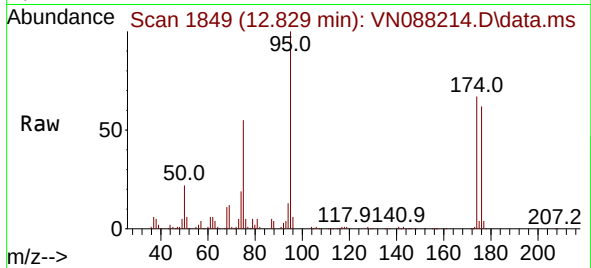




#62
4-Bromofluorobenzene
Concen: 53.827 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

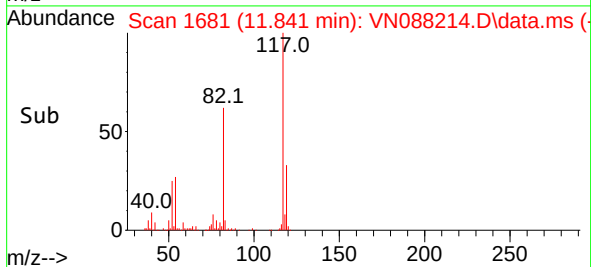
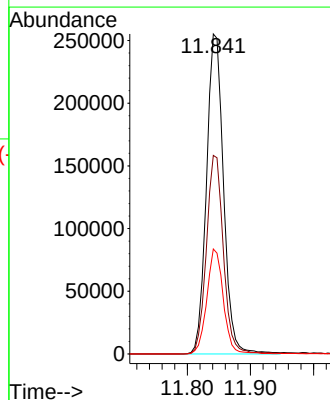
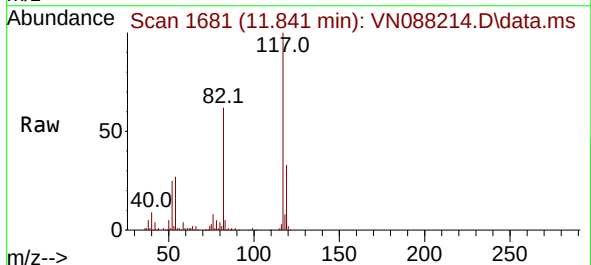
Instrument :
MSVOA_N
ClientSampleId :
SY-10I

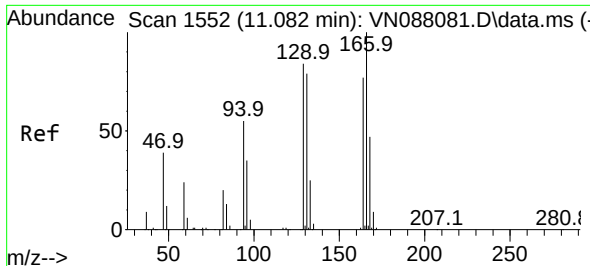
Tgt Ion: 95 Resp: 247299
Ion Ratio Lower Upper
95 100
174 67.1 0.0 138.4
176 65.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion: 117 Resp: 478183
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.2
119 32.8 24.3 36.5

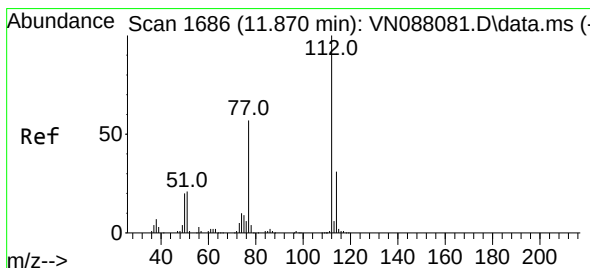
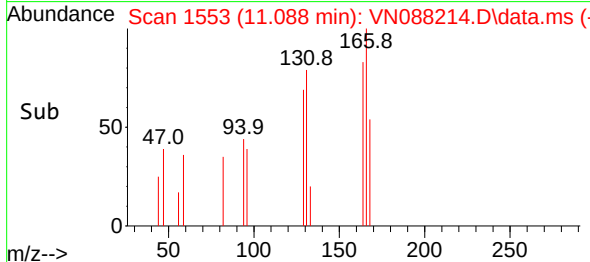
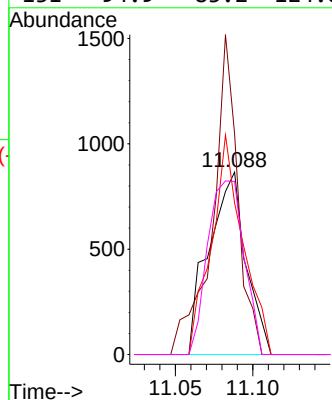
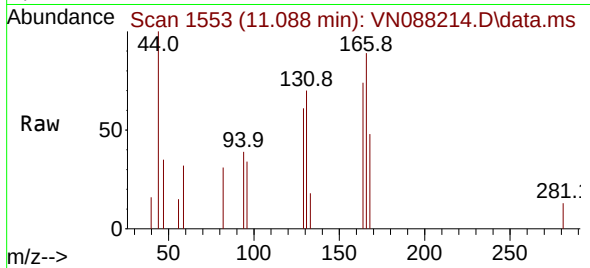




#64
Tetrachloroethene
Concen: 0.456 ug/l
RT: 11.088 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

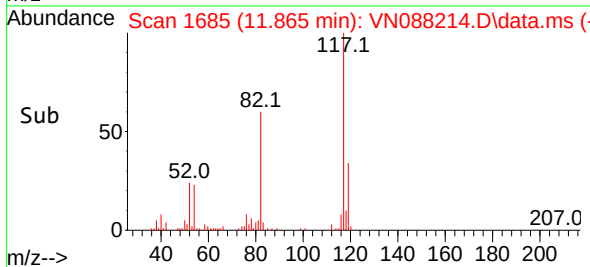
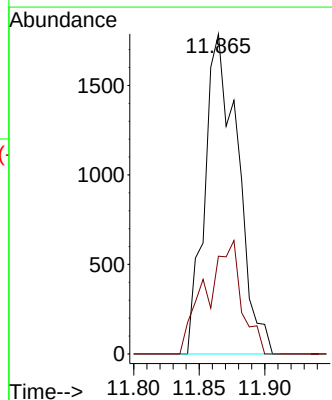
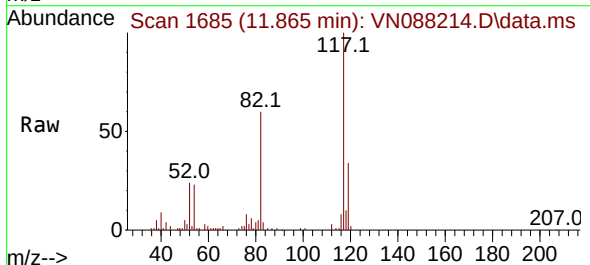
Instrument :
MSVOA_N
ClientSampleId :
SY-10I

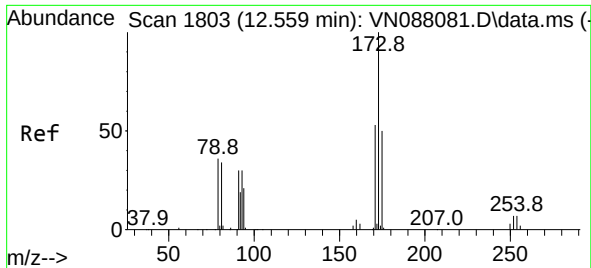
Tgt Ion:164	Resp:	1438
Ion	Ratio	Lower Upper
164	100	
166	120.9	97.7 146.5
129	83.0	85.9 128.9#
131	94.9	83.2 124.8



#65
Chlorobenzene
Concen: 0.288 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion:112	Resp:	3124
Ion	Ratio	Lower Upper
112	100	
114	30.5	24.3 36.5

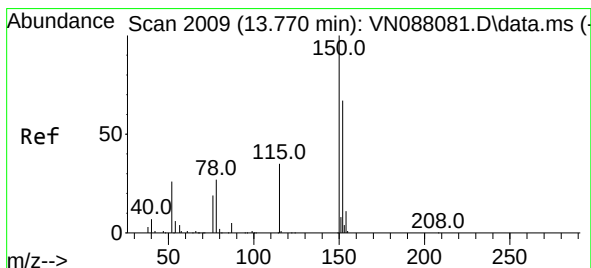
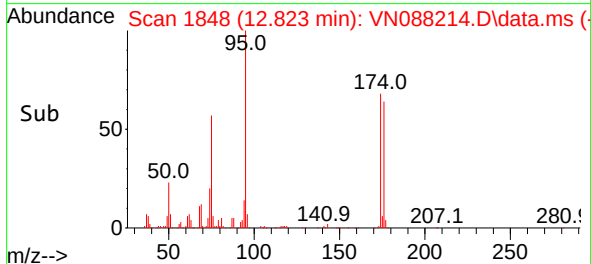
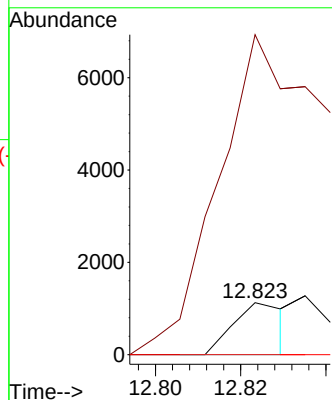
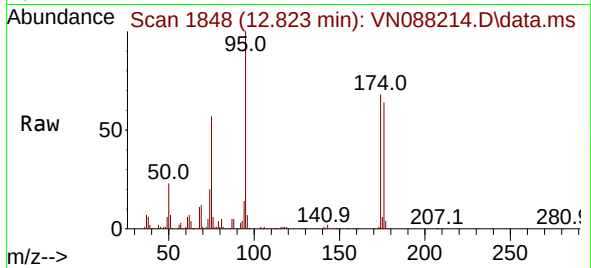




#71
Bromoform
Concen: 0.362 ug/l
RT: 12.823 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

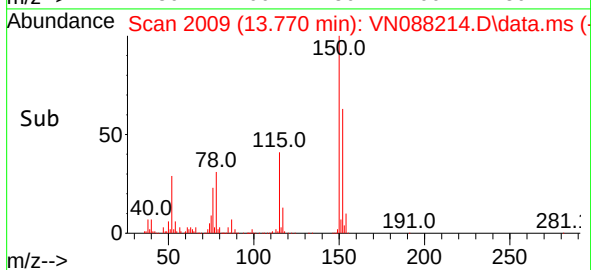
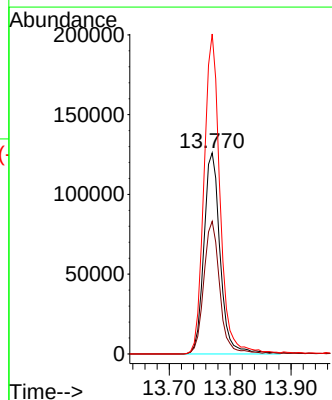
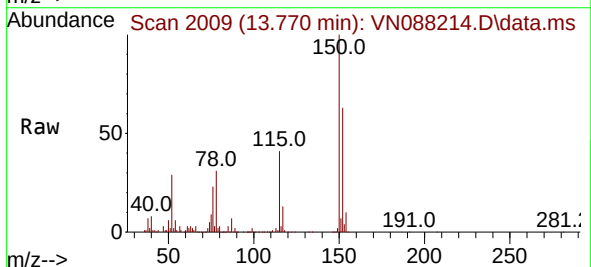
Instrument :
MSVOA_N
ClientSampleId :
SY-10I

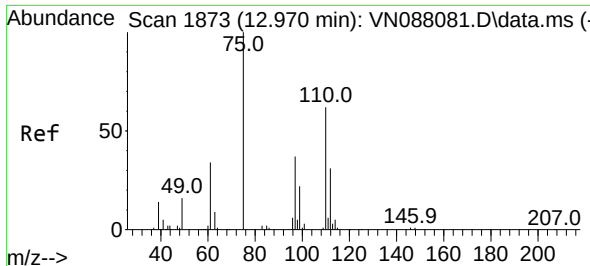
Tgt Ion:173 Resp: 961
Ion Ratio Lower Upper
173 100
175 781.7 24.9 74.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion:152 Resp: 233723
Ion Ratio Lower Upper
152 100
115 64.8 32.3 96.8
150 156.7 0.0 351.0

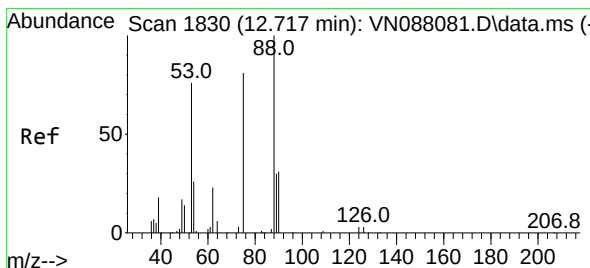
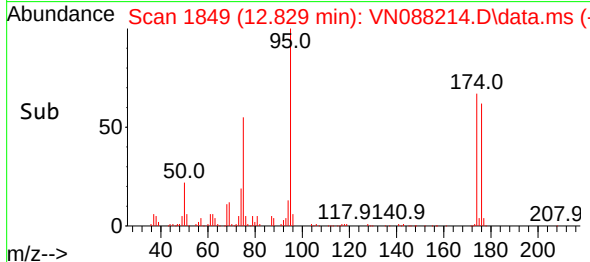
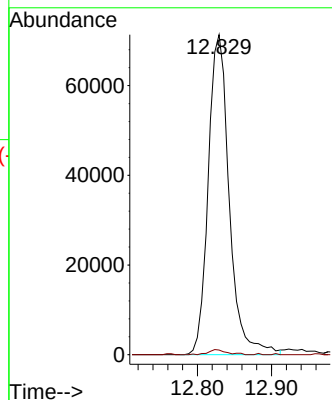
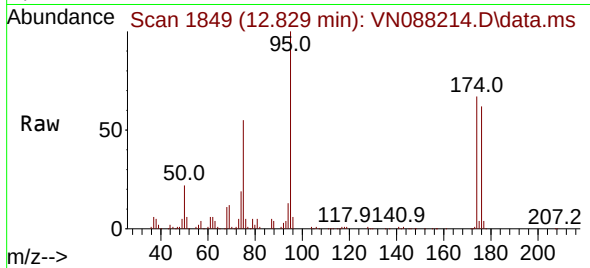




#76
1,2,3-Trichloropropane
Concen: 26.289 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

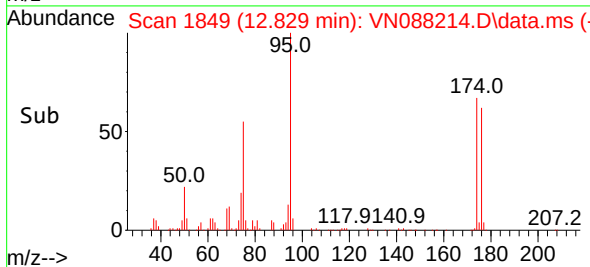
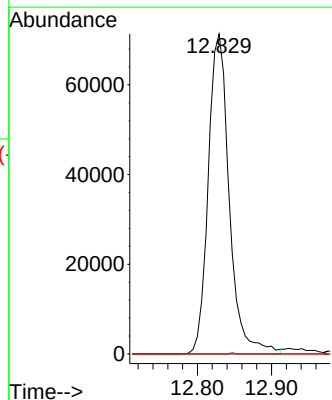
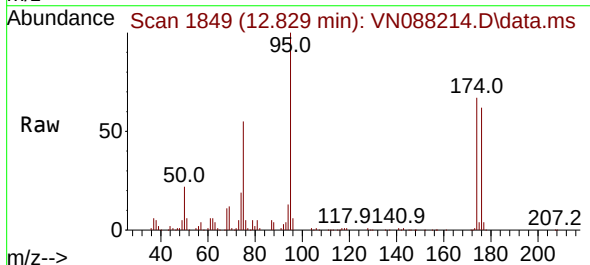
Instrument :
MSVOA_N
ClientSampleId :
SY-10I

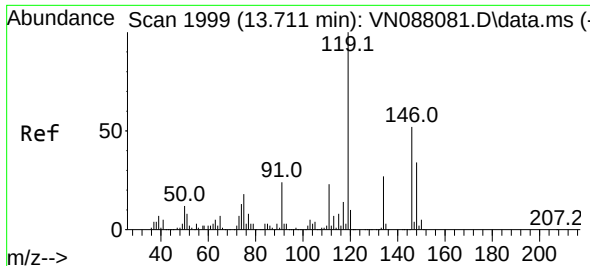
Tgt Ion: 75 Resp: 140477
Ion Ratio Lower Upper
75 100
77 1.4 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.333 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion: 75 Resp: 140477
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 35.6 53.4#

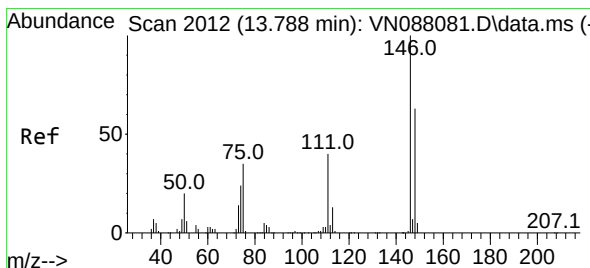
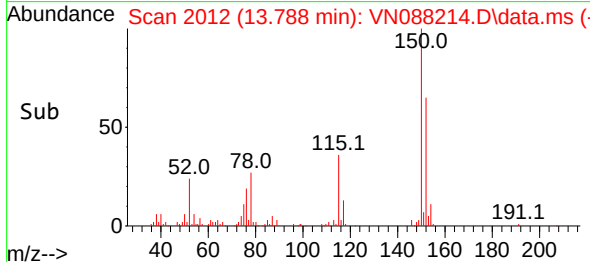
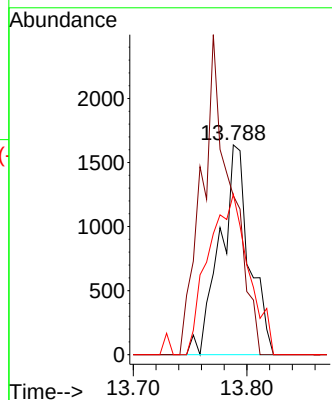
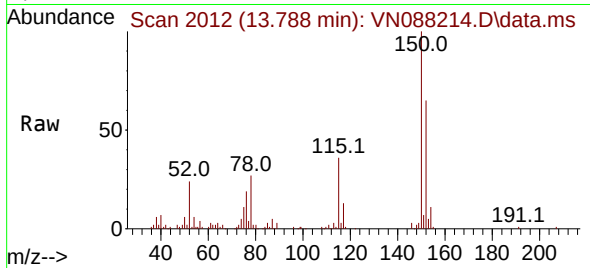




#87
1,3-Dichlorobenzene
Concen: 0.378 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.076 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Instrument :
MSVOA_N
ClientSampleId :
SY-10I

Tgt Ion:146 Resp: 2933
Ion Ratio Lower Upper
146 100
111 152.7 22.1 66.5#
148 105.3 32.0 96.2#



#88
1,4-Dichlorobenzene
Concen: 0.352 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion:146 Resp: 2933
Ion Ratio Lower Upper
146 100
111 152.7 21.0 63.0#
148 105.3 32.0 96.0#

