

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052725\
 Data File : VN086778.D
 Acq On : 27 May 2025 12:19
 Operator : JC\MD
 Sample : VN0527WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0527WBL01

Quant Time: May 29 01:45:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

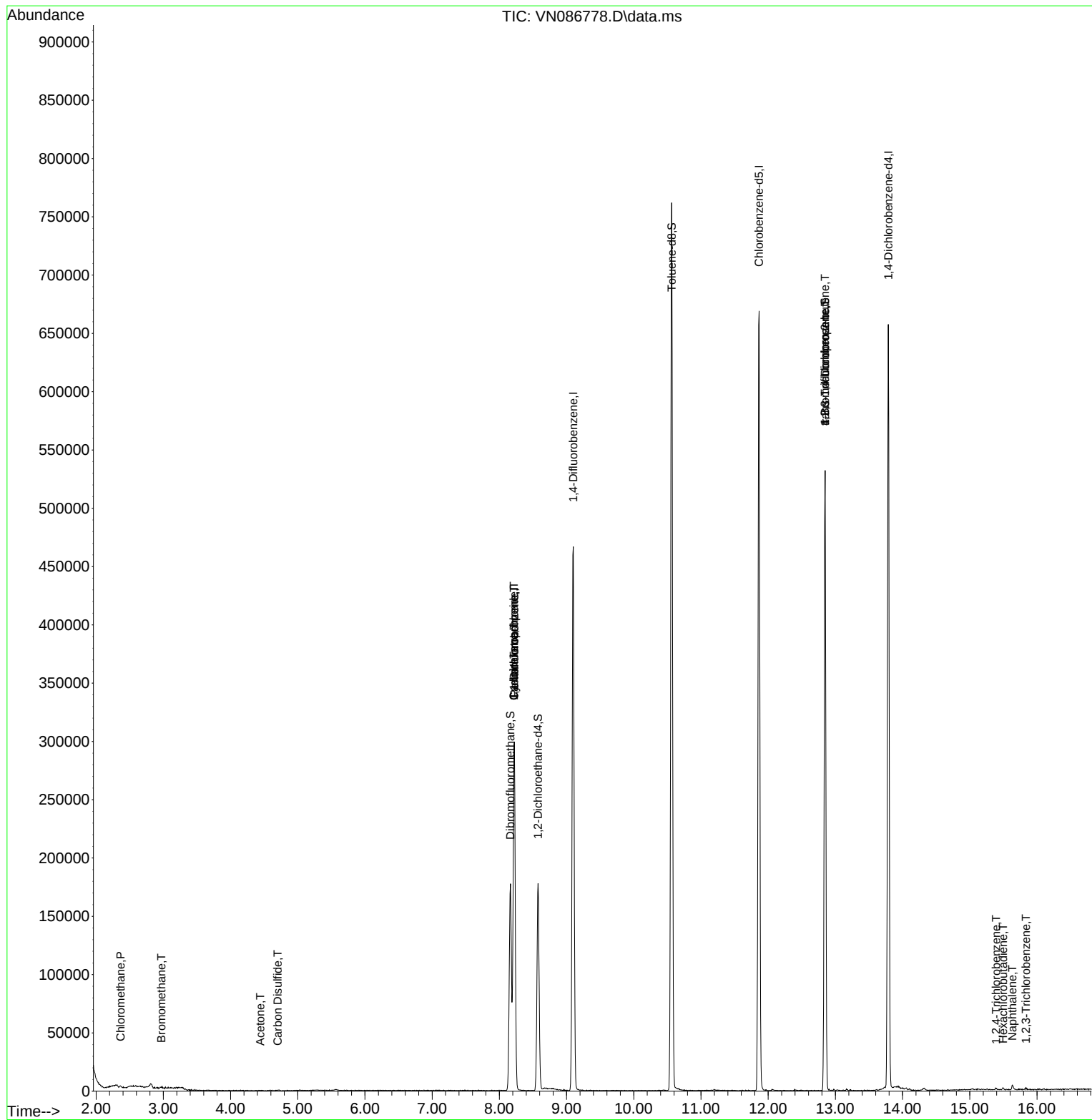
Internal Standards						
1) Pentafluorobenzene	8.224	168	235047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	440610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	424414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	190193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145425	44.775	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.540%
35) Dibromofluoromethane	8.165	113	132407	50.460	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.920%
50) Toluene-d8	10.565	98	560012	51.500	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.000%
62) 4-Bromofluorobenzene	12.847	95	204508	53.263	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.520%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1359	0.354	ug/l	90
5) Bromomethane	2.971	94	705	0.355	ug/l	94
16) Acetone	4.442	43	512	0.421	ug/l #	42
17) Carbon Disulfide	4.700	76	1617	0.223	ug/l #	75
31) Cyclohexane	8.218	56	3819	0.783	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17209	4.446	ug/l #	48
38) Carbon Tetrachloride	8.218	117	22212	5.824	ug/l #	17
76) 1,2,3-Trichloropropane	12.847	75	94953	22.075	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	94953	55.710	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	519	0.202	ug/l	74
94) Hexachlorobutadiene	15.494	225	509	0.478	ug/l	76
95) Naphthalene	15.635	128	5151	0.577	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.835	180	747	0.297	ug/l #	81

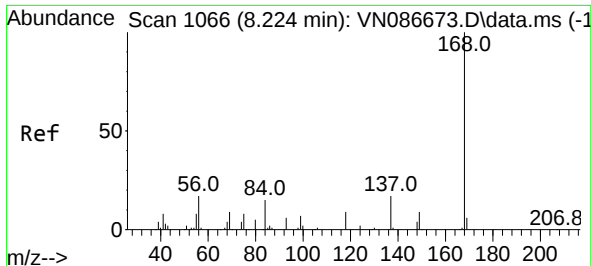
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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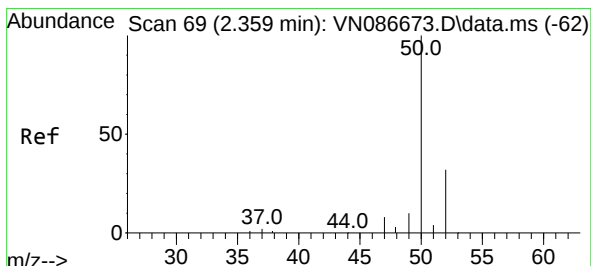
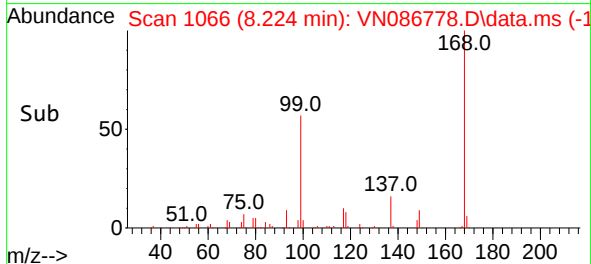
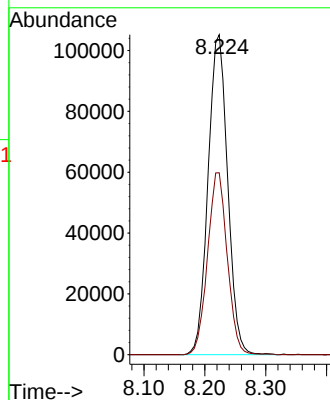
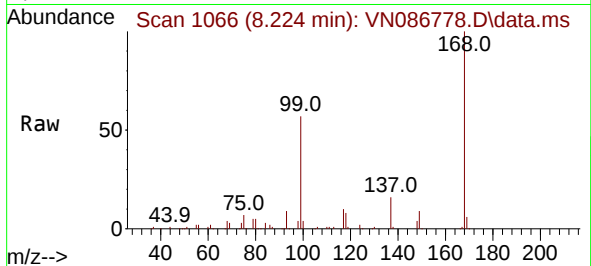




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

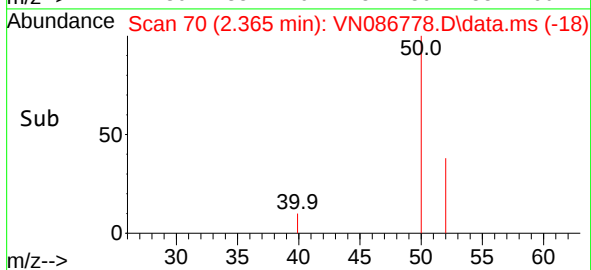
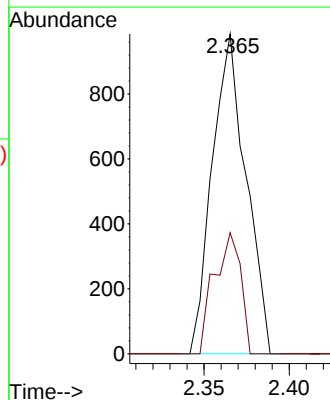
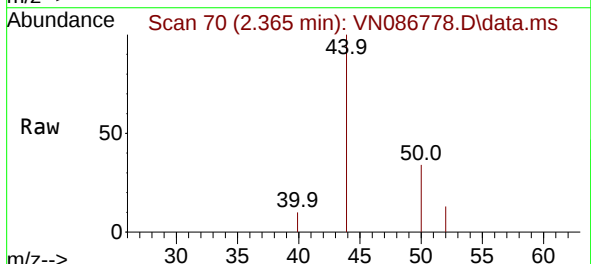
Instrument :
MSVOA_N
ClientSampleId :
VN0527WBL01

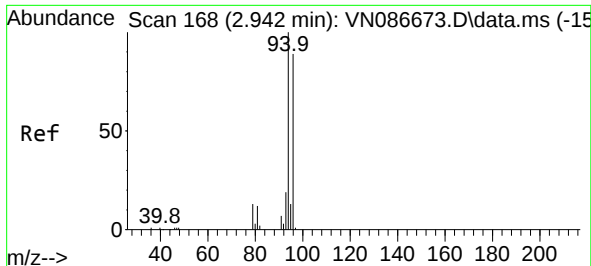
Tgt Ion:168 Resp: 235047
Ion Ratio Lower Upper
168 100
99 56.9 47.0 70.4



#3
Chloromethane
Concen: 0.354 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

Tgt Ion: 50 Resp: 1359
Ion Ratio Lower Upper
50 100
52 37.9 25.9 38.9

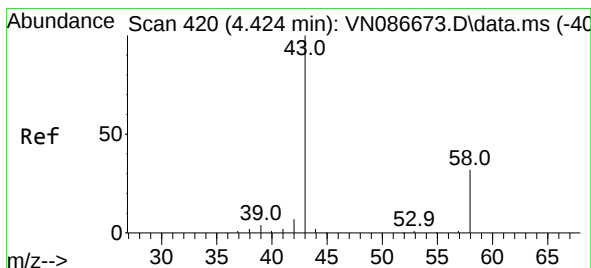
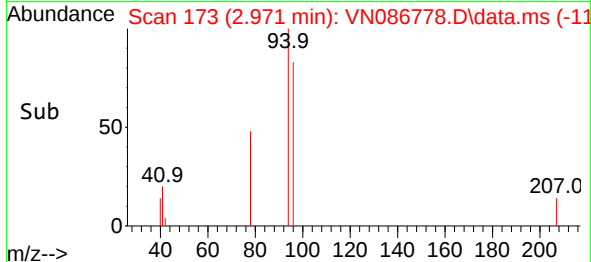
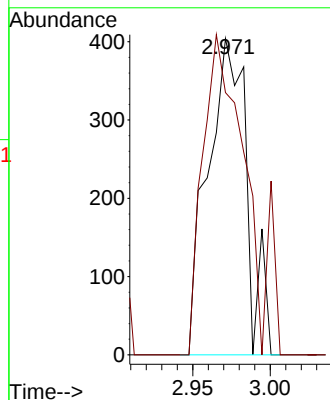
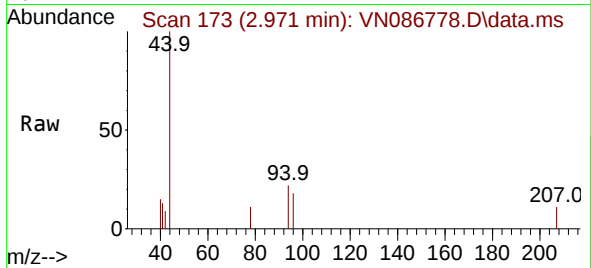




#5
Bromomethane
Concen: 0.355 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

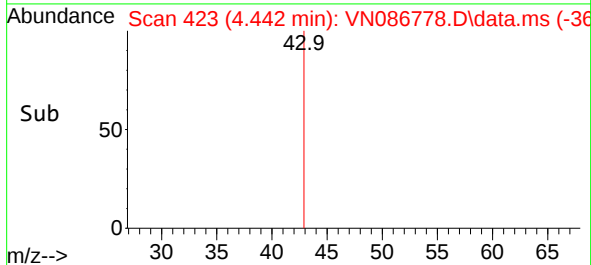
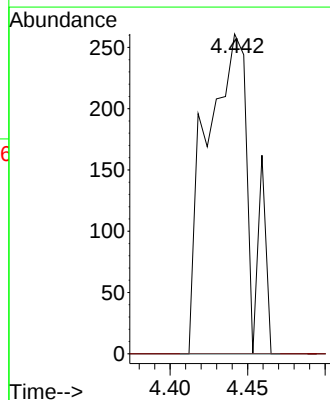
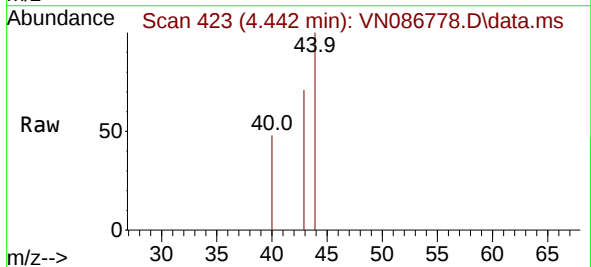
Instrument :
MSVOA_N
ClientSampleId :
VN0527WBL01

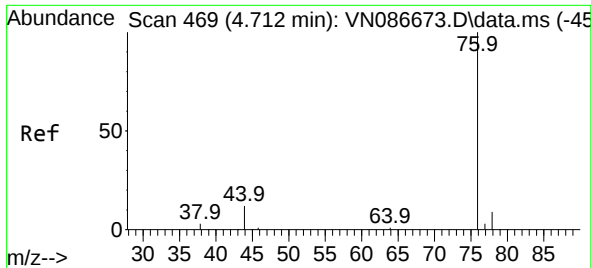
Tgt Ion: 94 Resp: 705
Ion Ratio Lower Upper
94 100
96 82.9 71.2 106.8



#16
Acetone
Concen: 0.421 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

Tgt Ion: 43 Resp: 512
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#

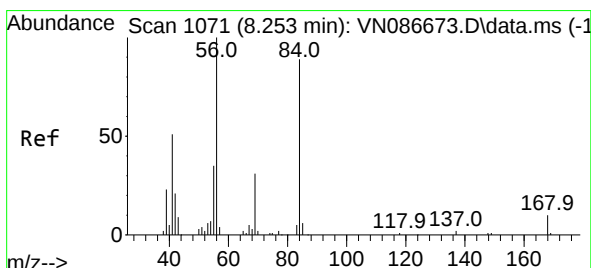
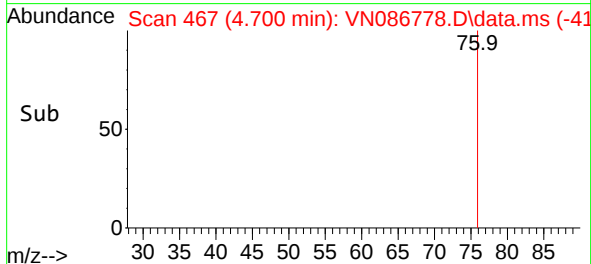
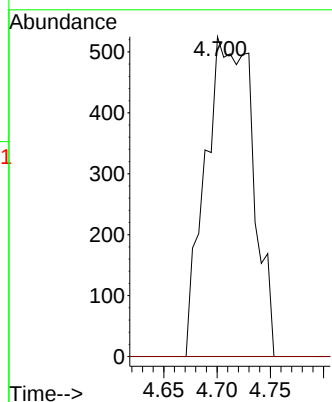
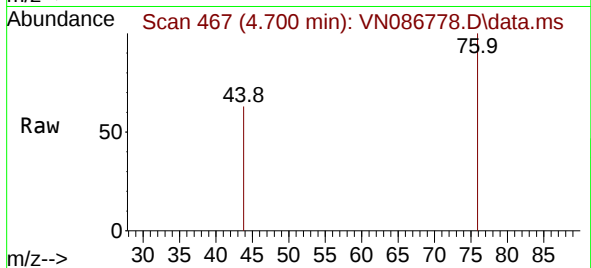




#17
Carbon Disulfide
Concen: 0.223 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

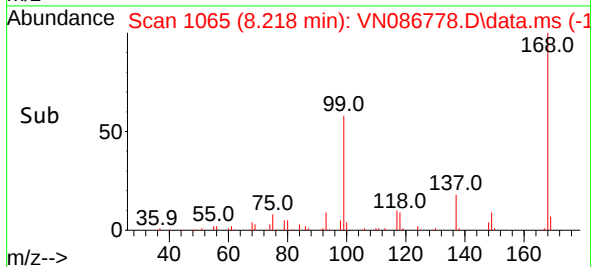
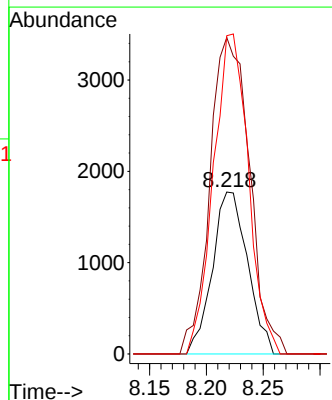
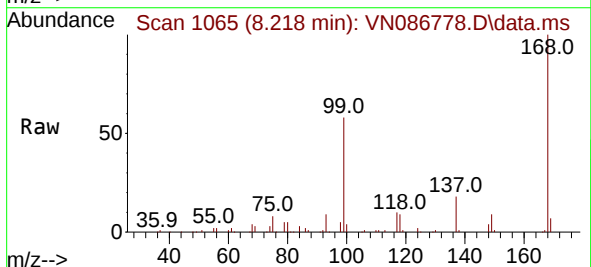
Instrument :
MSVOA_N
ClientSampleId :
VN0527WBL01

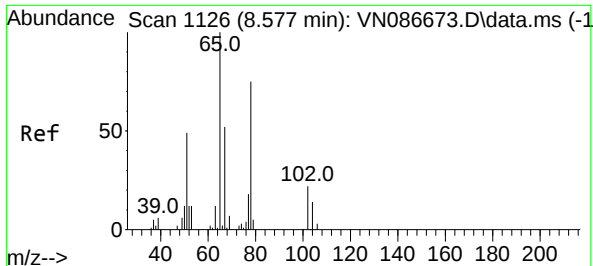
Tgt Ion: 76 Resp: 1617
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#31
Cyclohexane
Concen: 0.783 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

Tgt Ion: 56 Resp: 3819
Ion Ratio Lower Upper
56 100
69 195.4 25.0 37.6#
84 196.4 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 44.775 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086778.D

Acq: 27 May 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

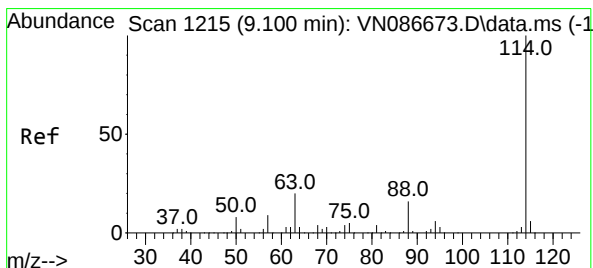
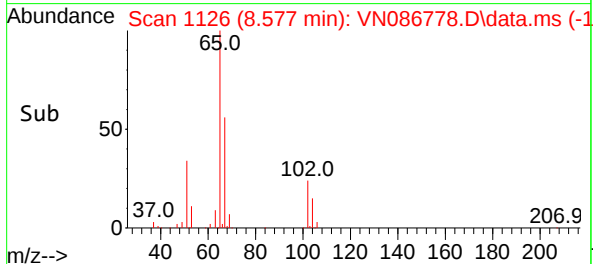
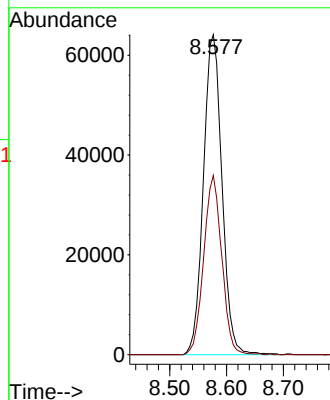
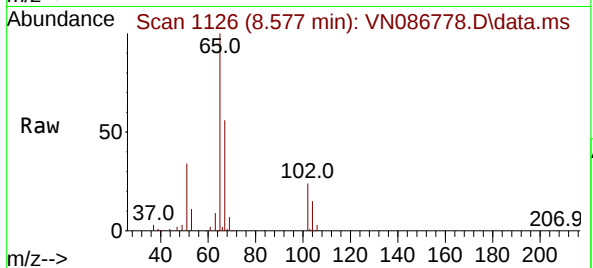
VN0527WBL01

Tgt Ion: 65 Resp: 145425

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086778.D

Acq: 27 May 2025 12:19

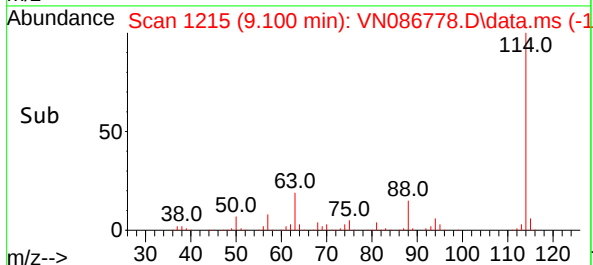
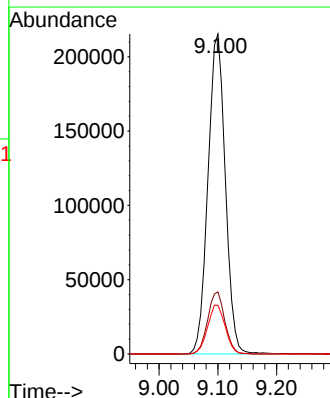
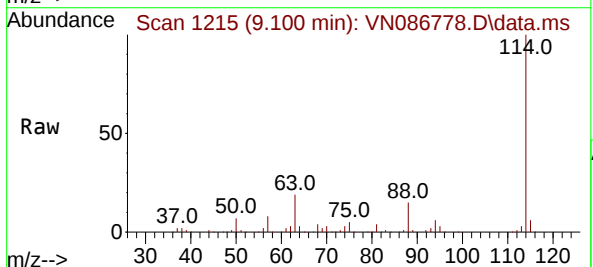
Tgt Ion: 114 Resp: 440610

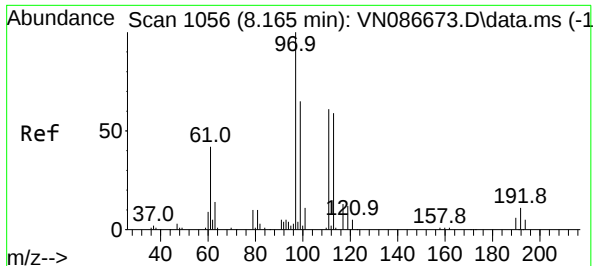
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.2

88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.460 ug/l

RT: 8.165 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086778.D

Acq: 27 May 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0527WBL01

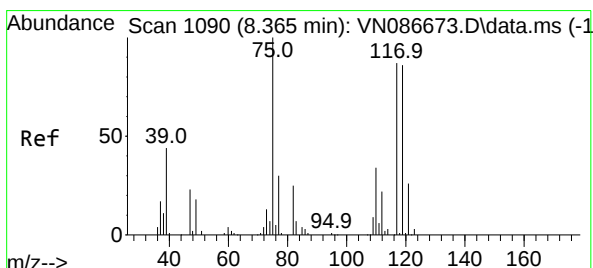
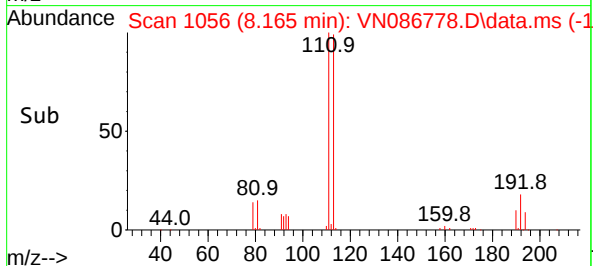
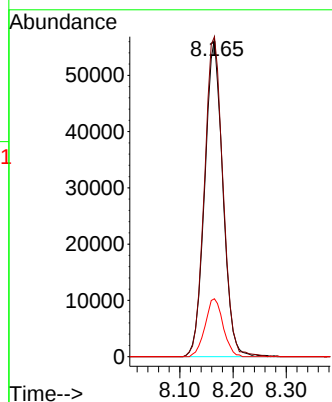
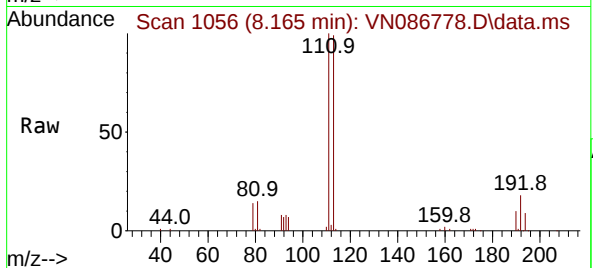
Tgt Ion:113 Resp: 132407

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

192 18.2 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.446 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086778.D

Acq: 27 May 2025 12:19

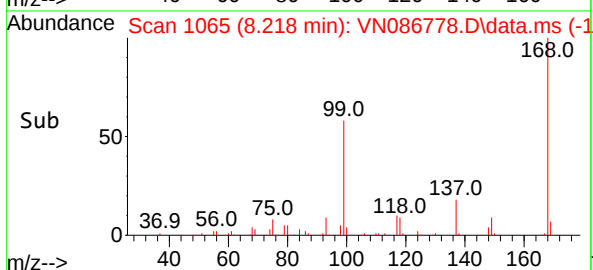
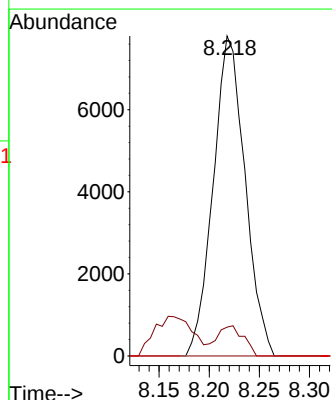
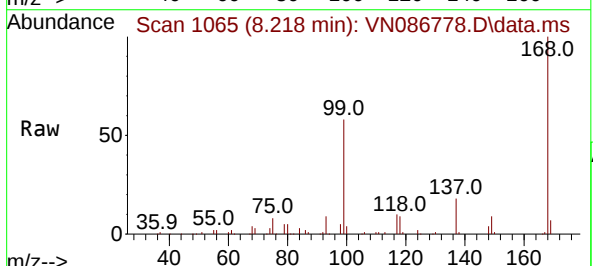
Tgt Ion: 75 Resp: 17209

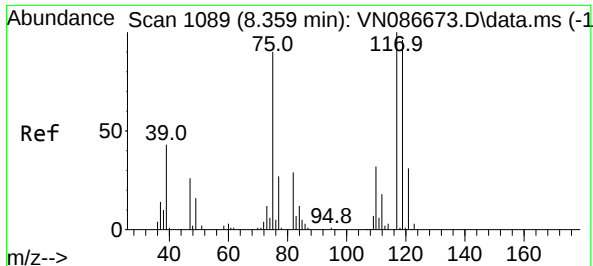
Ion Ratio Lower Upper

75 100

110 7.5 17.5 52.5#

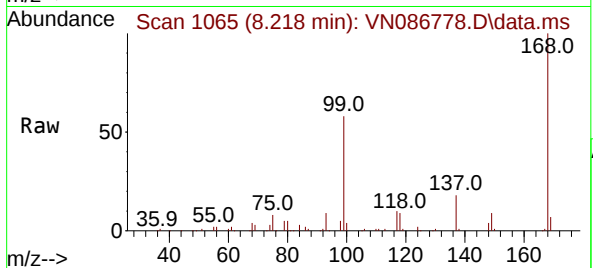
77 0.0 25.1 37.7#



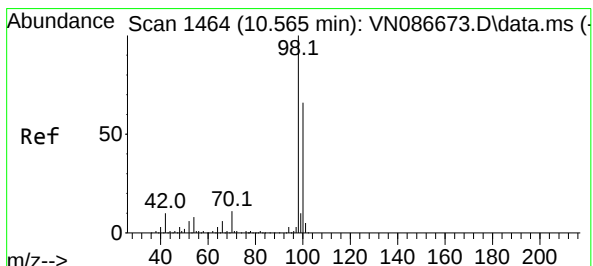
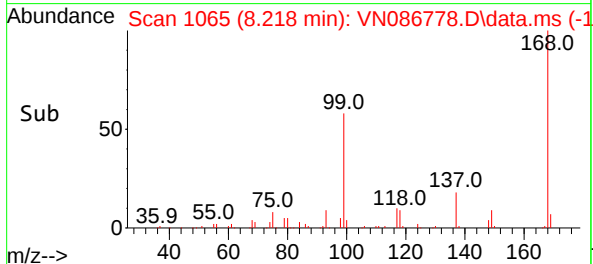
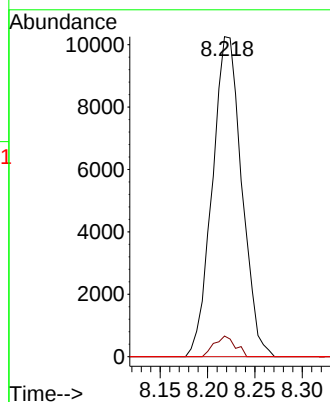


#38
Carbon Tetrachloride
Concen: 5.824 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

Instrument :
MSVOA_N
ClientSampleId :
VN0527WBL01

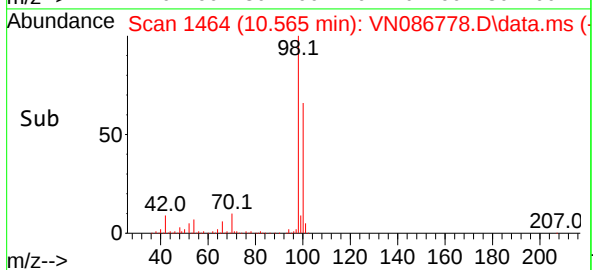
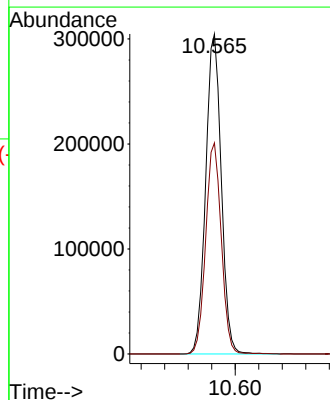
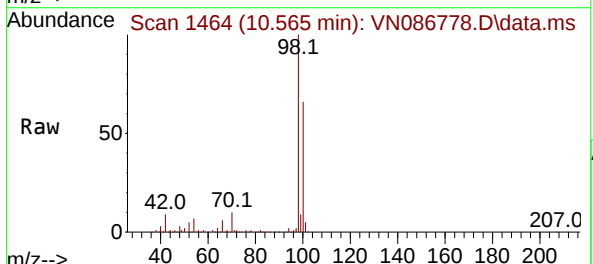


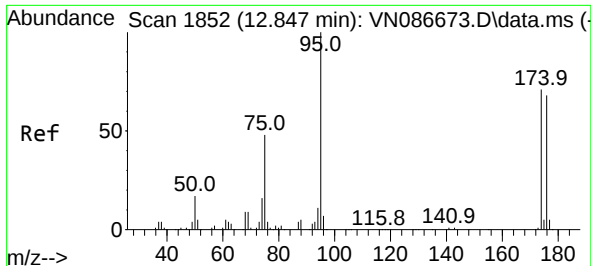
Tgt Ion:117 Resp: 22212
Ion Ratio Lower Upper
117 100
119 6.5 77.0 115.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 51.500 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

Tgt Ion: 98 Resp: 560012
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3

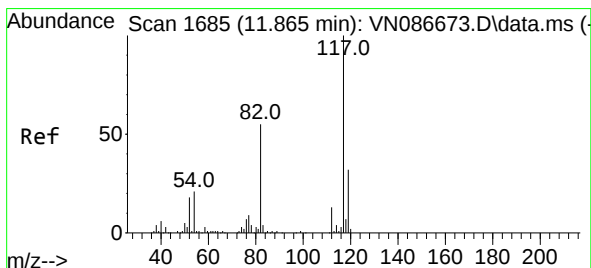
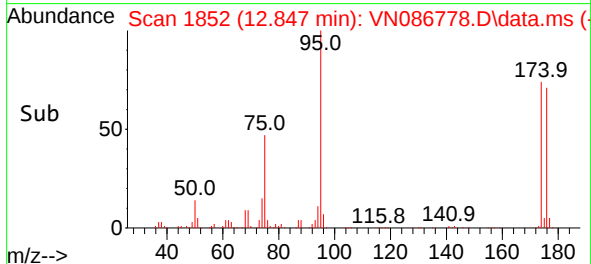
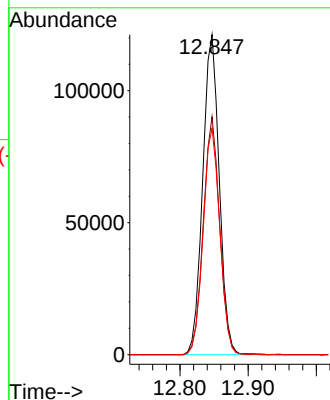
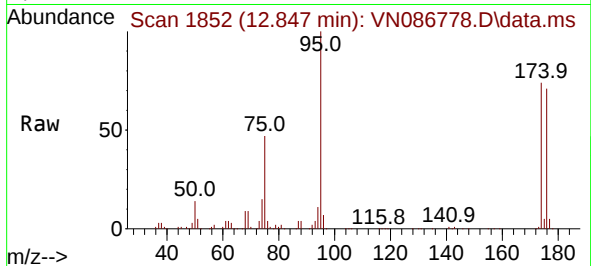




#62
4-Bromofluorobenzene
Concen: 53.263 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

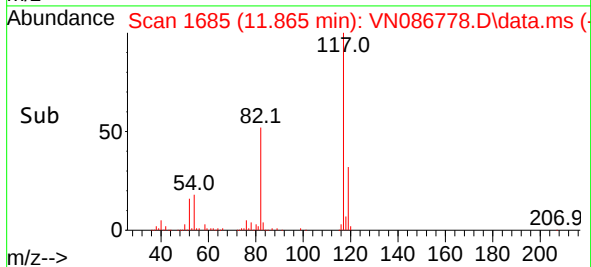
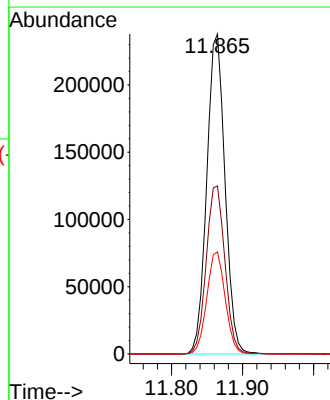
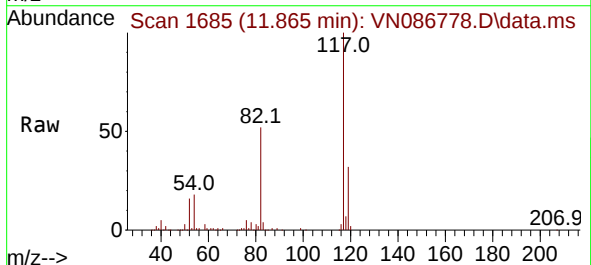
Instrument :
MSVOA_N
ClientSampleId :
VN0527WBL01

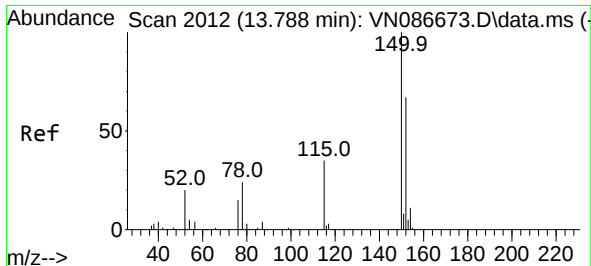
Tgt Ion: 95 Resp: 204508
Ion Ratio Lower Upper
95 100
174 73.7 0.0 145.4
176 71.1 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

Tgt Ion:117 Resp: 424414
Ion Ratio Lower Upper
117 100
82 52.5 44.2 66.2
119 31.9 25.4 38.2

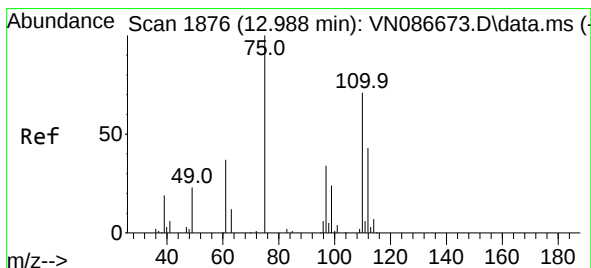
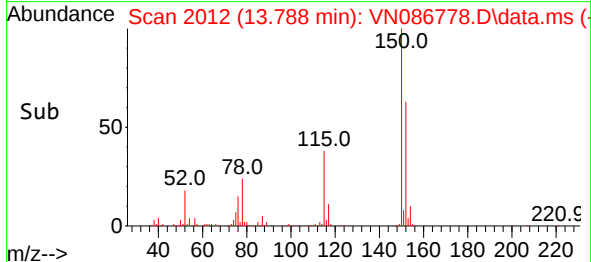
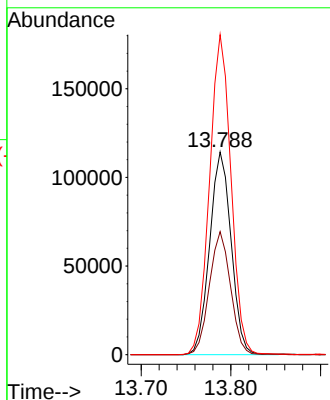
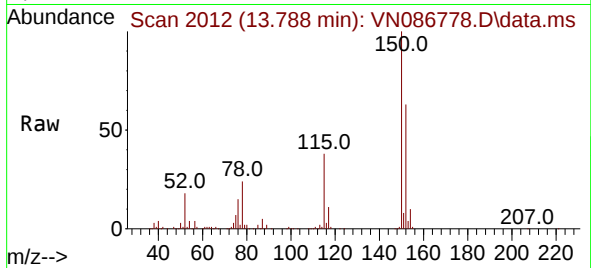




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

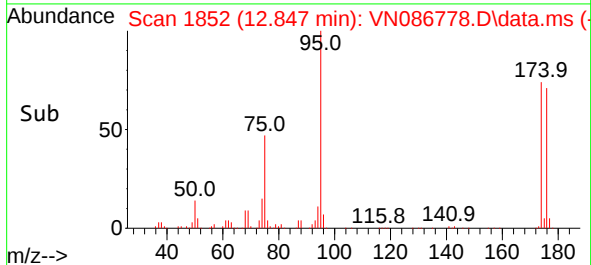
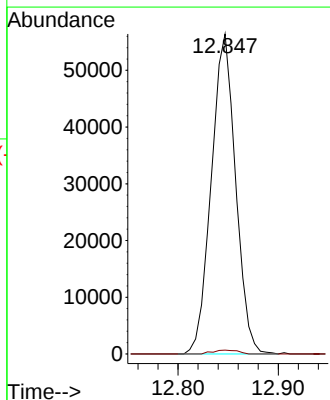
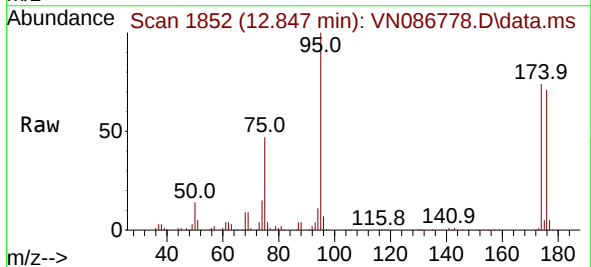
Instrument :
MSVOA_N
ClientSampleId :
VN0527WBL01

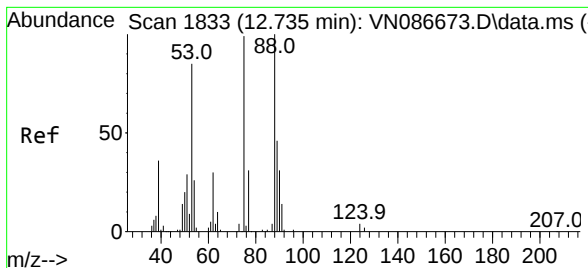
Tgt Ion:152 Resp: 190193
Ion Ratio Lower Upper
152 100
115 60.0 30.0 90.1
150 157.5 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 22.075 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

Tgt Ion: 75 Resp: 94953
Ion Ratio Lower Upper
75 100
77 1.3 96.0 288.1#

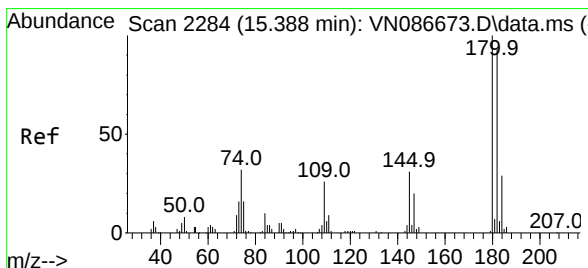
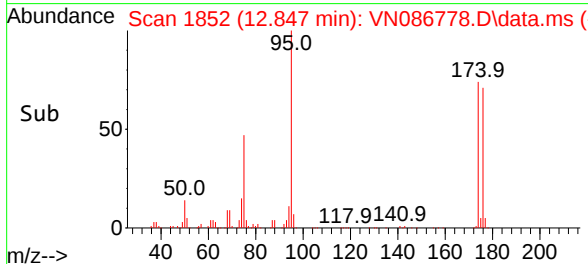
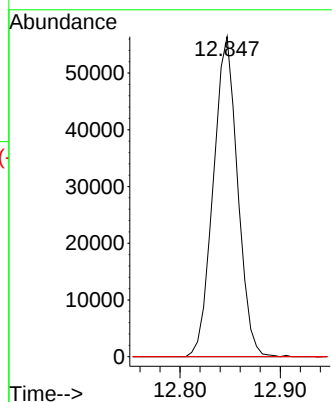
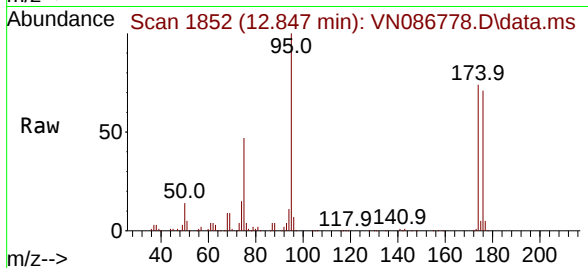




#81
trans-1,4-Dichloro-2-butene
Concen: 55.710 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

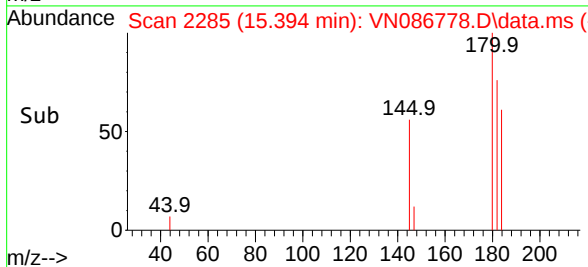
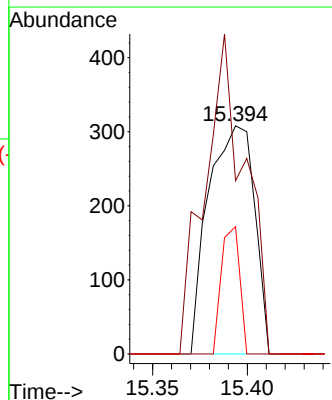
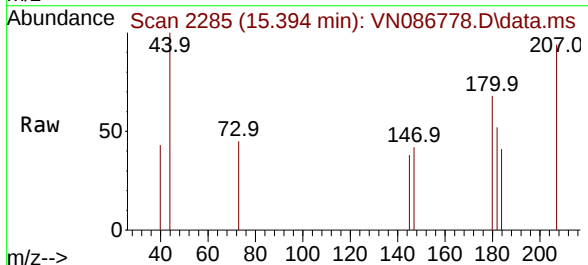
Instrument :
MSVOA_N
ClientSampleId :
VN0527WBL01

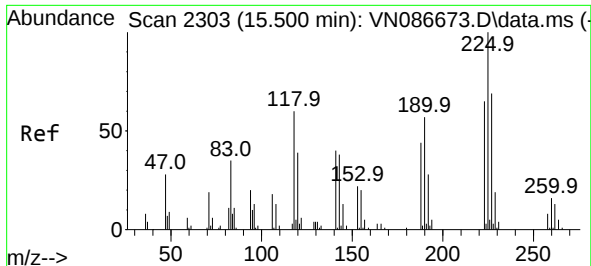
Tgt Ion: 75 Resp: 94953
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.202 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

Tgt Ion: 180 Resp: 519
Ion Ratio Lower Upper
180 100
182 123.1 47.1 141.3
145 22.4 15.6 46.8

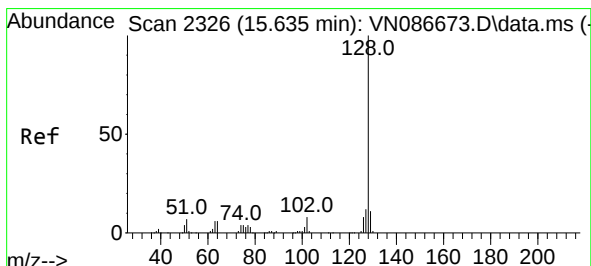
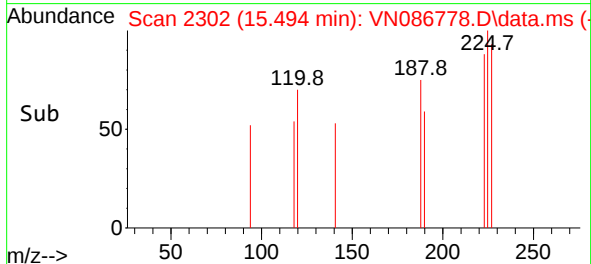
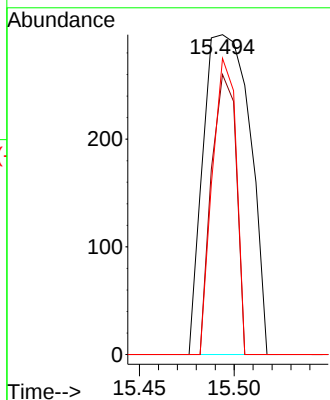
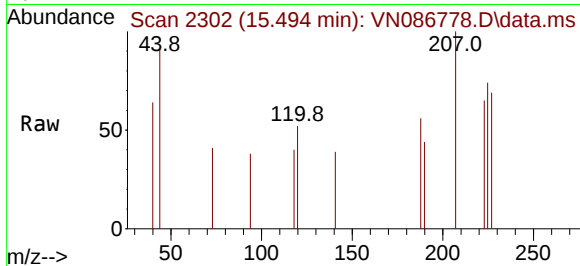




#94
Hexachlorobutadiene
Concen: 0.478 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

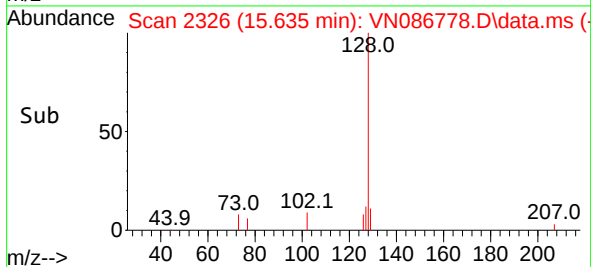
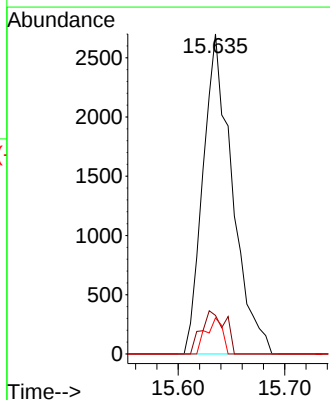
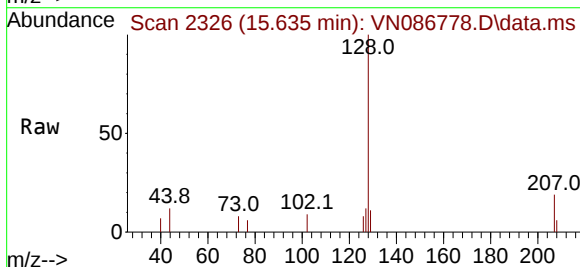
Instrument :
MSVOA_N
ClientSampleId :
VN0527WBL01

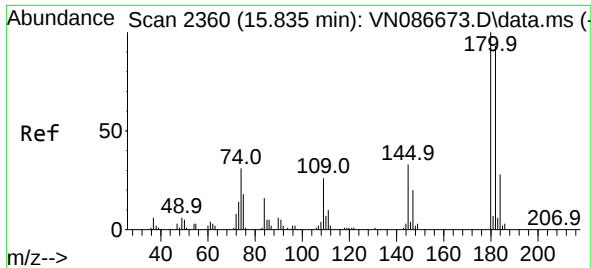
Tgt Ion:	225	Resp:	509
Ion	Ratio	Lower	Upper
225	100		
223	46.2	32.9	98.6
227	47.0	32.4	97.2



#95
Naphthalene
Concen: 0.577 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

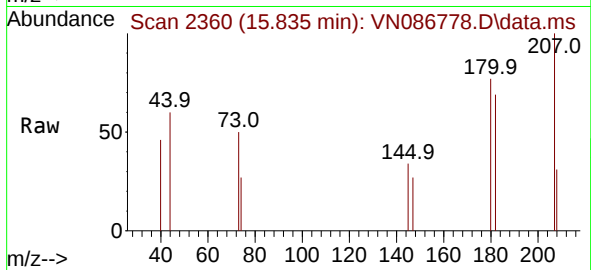
Tgt Ion:	128	Resp:	5151
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.1	15.1
129	6.3	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.297 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN086778.D
 Acq: 27 May 2025 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0527WBL01



Tgt Ion:180 Resp: 747
 Ion Ratio Lower Upper
 180 100
 182 83.5 47.0 141.2
 145 9.5 16.7 50.1#

