

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086480.D
 Acq On : 05 May 2025 12:38
 Operator : JC\MD
 Sample : VN0505WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBL01

Quant Time: May 06 01:43:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

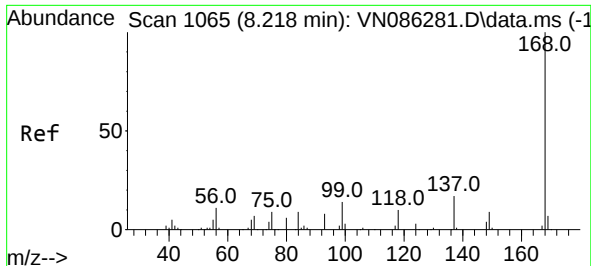
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	156438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111180	49.011	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.020%
35) Dibromofluoromethane	8.165	113	82766	60.190	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	120.380%
50) Toluene-d8	10.565	98	373128	50.772	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.540%
62) 4-Bromofluorobenzene	12.847	95	126773	47.294	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.580%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	869	0.322	ug/l #	42
5) Bromomethane	2.977	94	417	0.360	ug/l #	76
16) Acetone	4.436	43	1367	Below Cal		95
17) Carbon Disulfide	4.718	76	1442	0.262	ug/l #	74
31) Cyclohexane	8.230	56	3570	0.971	ug/l #	5
36) 1,1-Dichloropropene	8.218	75	13590	4.948	ug/l #	49
38) Carbon Tetrachloride	8.218	117	15260	5.834	ug/l #	16
43) Isopropyl Acetate	8.665	43	4451	Below Cal	#	55
71) Bromoform	12.847	173	679	0.445	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	64629	24.694	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64629	59.306	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.388	180	361	0.206	ug/l #	71
94) Hexachlorobutadiene	15.488	225	306	0.462	ug/l #	48
95) Naphthalene	15.641	128	2067	0.332	ug/l #	75

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

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QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

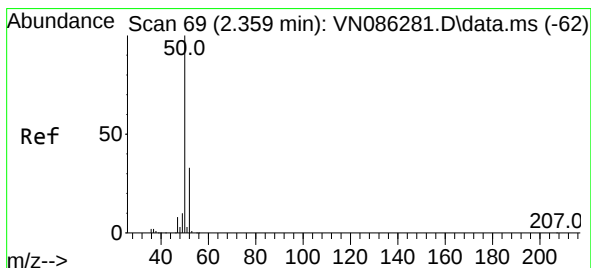
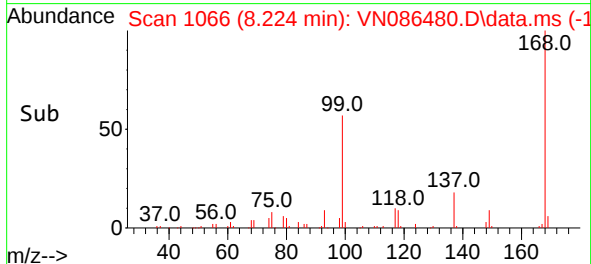
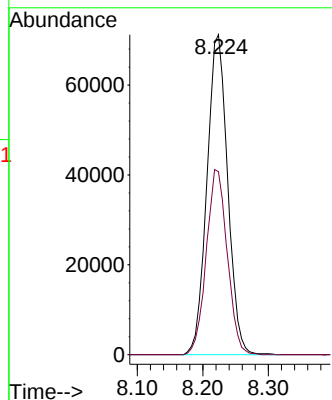
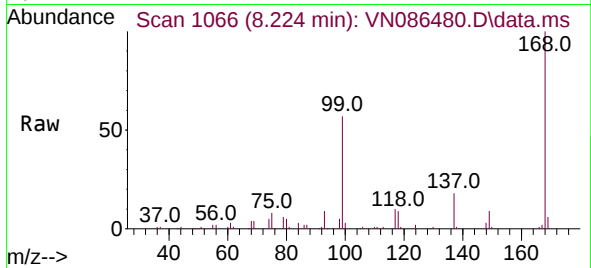




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

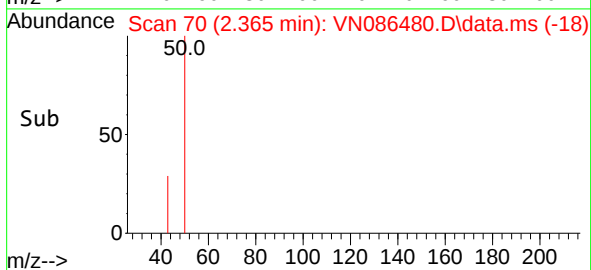
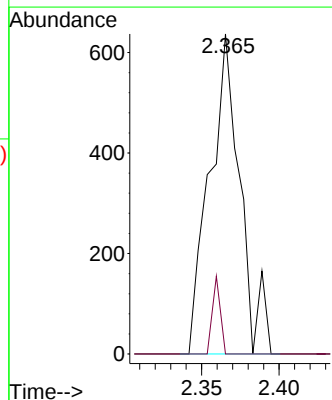
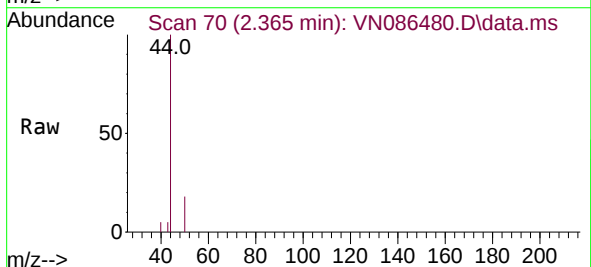
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

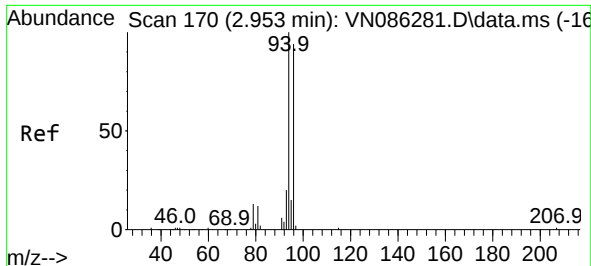
Tgt Ion:168 Resp: 156438
Ion Ratio Lower Upper
168 100
99 57.2 52.5 78.7



#3
Chloromethane
Concen: 0.322 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion: 50 Resp: 869
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

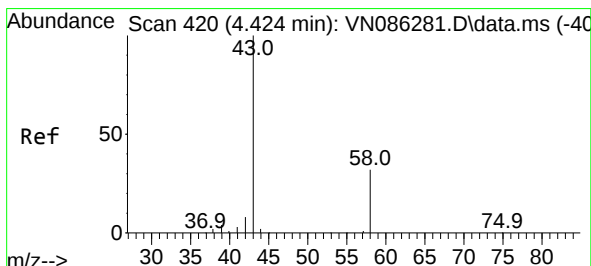
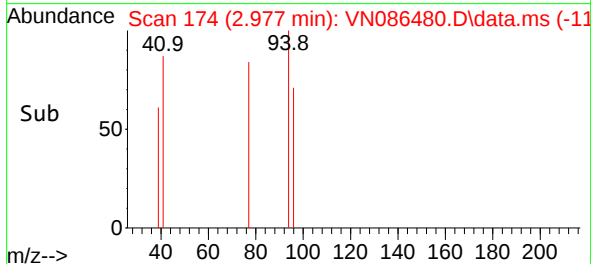
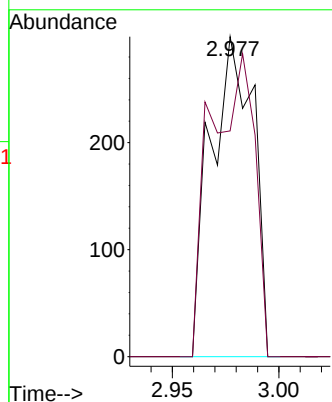
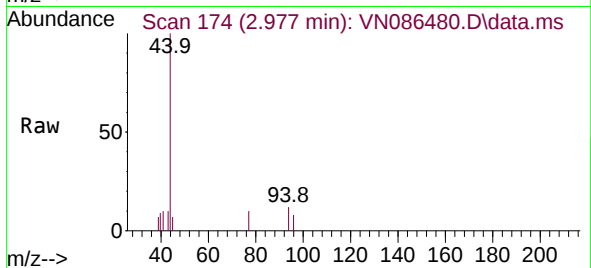




#5
Bromomethane
Concen: 0.360 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

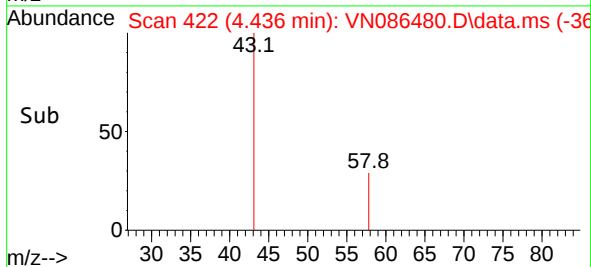
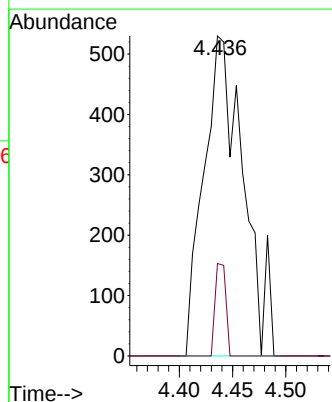
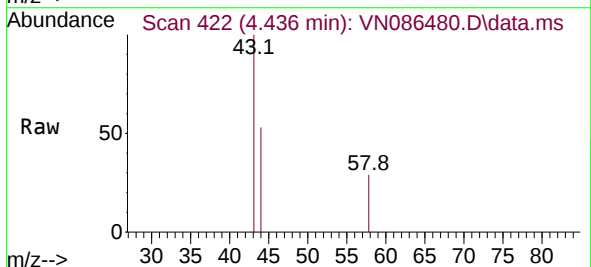
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

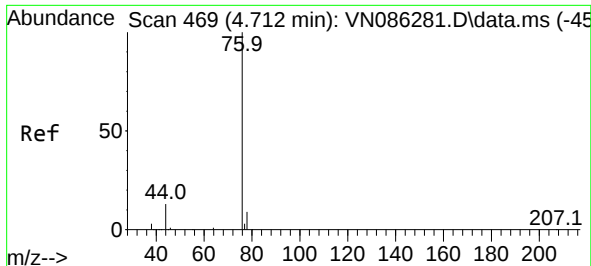
Tgt Ion: 94 Resp: 417
Ion Ratio Lower Upper
94 100
96 70.6 75.2 112.8#



#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
58 28.9 25.3 37.9

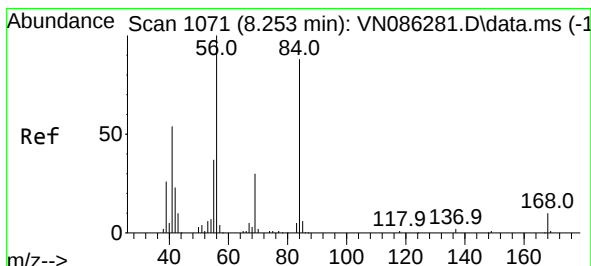
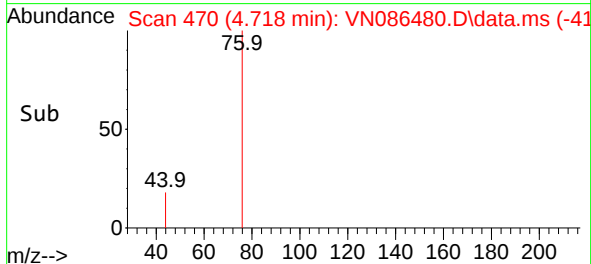
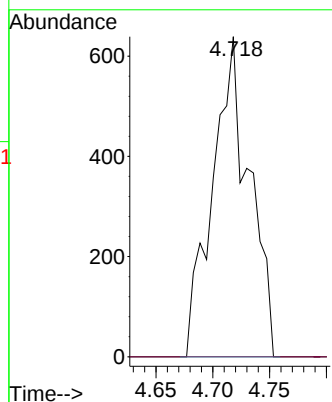
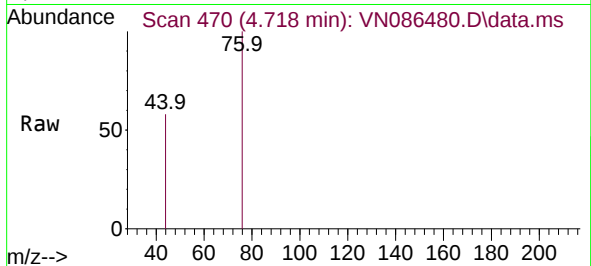




#17
Carbon Disulfide
Concen: 0.262 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

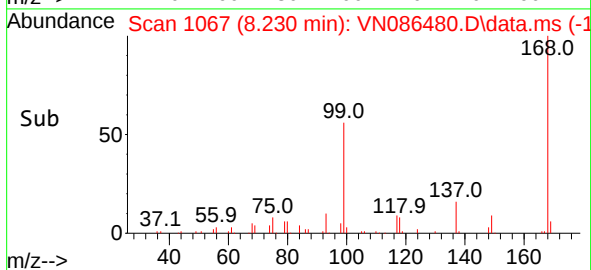
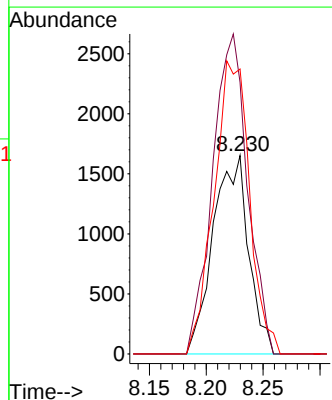
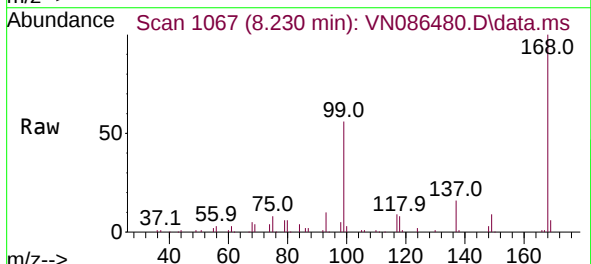
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

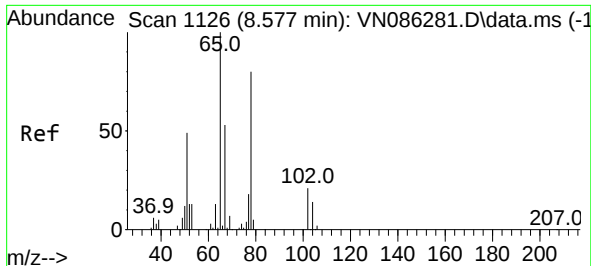
Tgt Ion: 76 Resp: 1442
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#31
Cyclohexane
Concen: 0.971 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion: 56 Resp: 3570
Ion Ratio Lower Upper
56 100
69 136.9 24.2 36.2#
84 143.6 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 49.011 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086480.D

Acq: 05 May 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

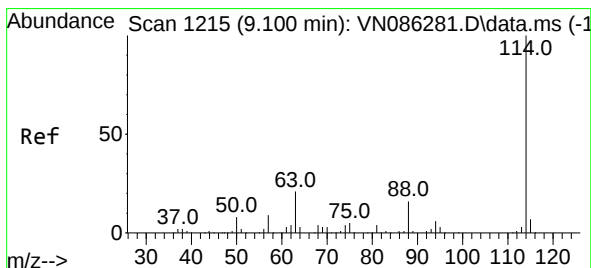
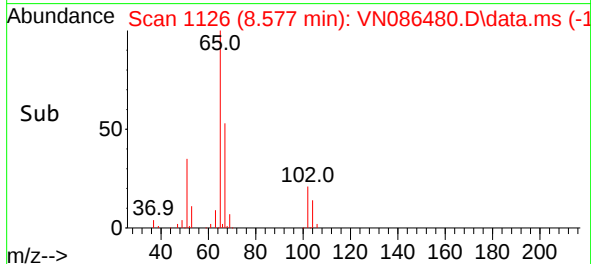
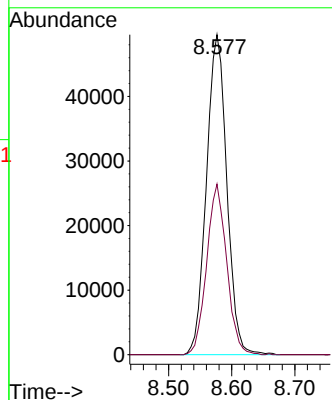
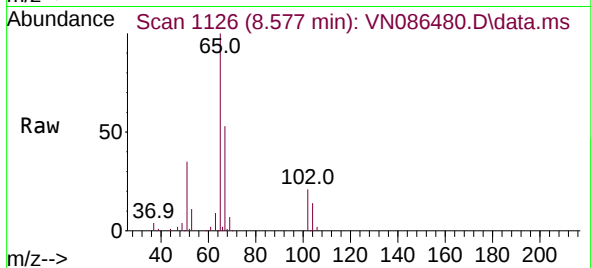
VN0505WBL01

Tgt Ion: 65 Resp: 111180

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086480.D

Acq: 05 May 2025 12:38

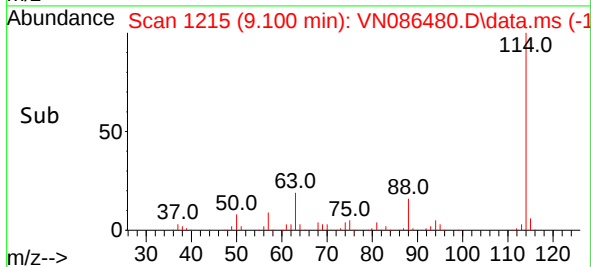
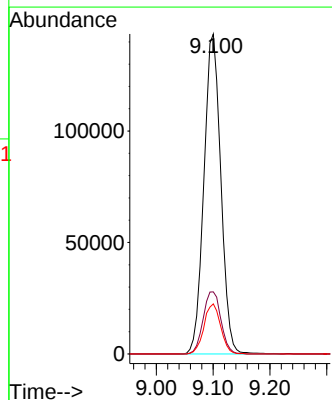
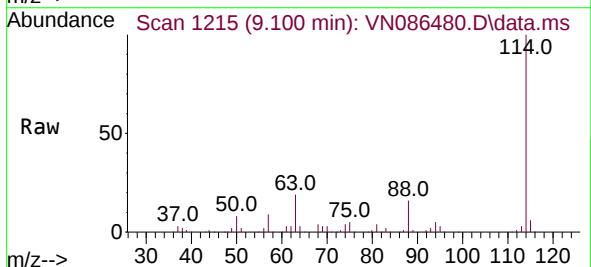
Tgt Ion: 114 Resp: 296282

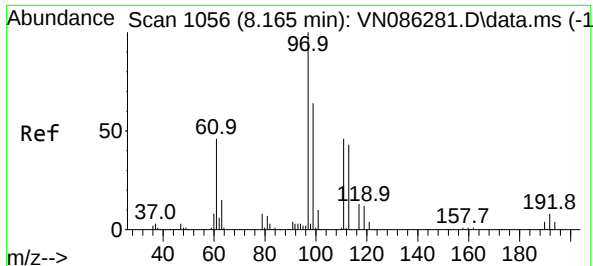
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 60.190 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086480.D

Acq: 05 May 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0505WBL01

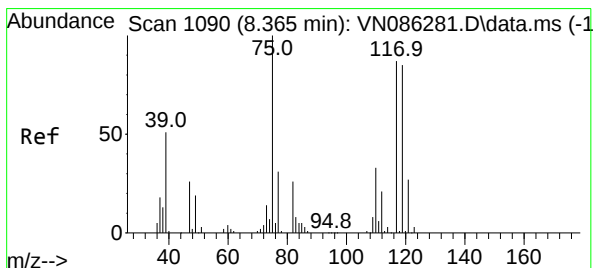
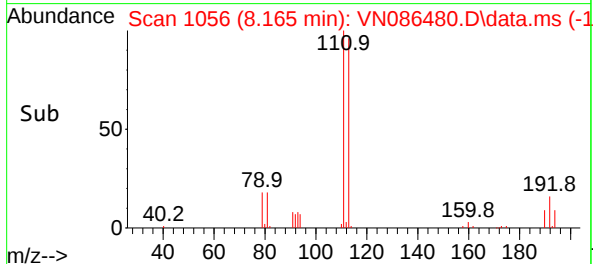
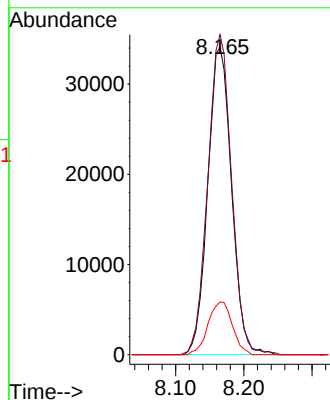
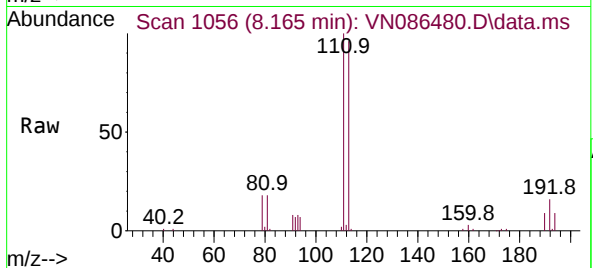
Tgt Ion:113 Resp: 82766

Ion Ratio Lower Upper

113 100

111 104.1 83.4 125.0

192 17.6 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.948 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086480.D

Acq: 05 May 2025 12:38

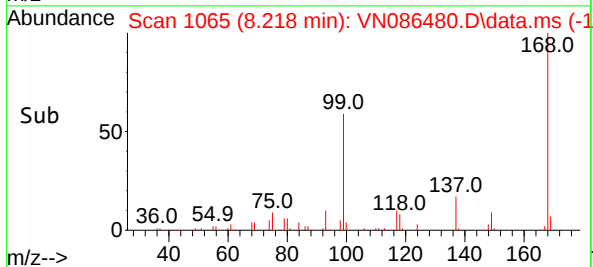
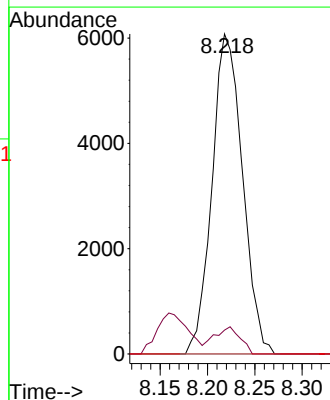
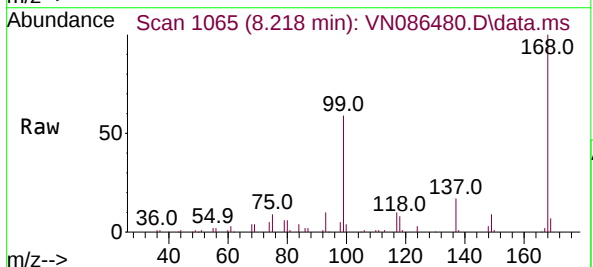
Tgt Ion: 75 Resp: 13590

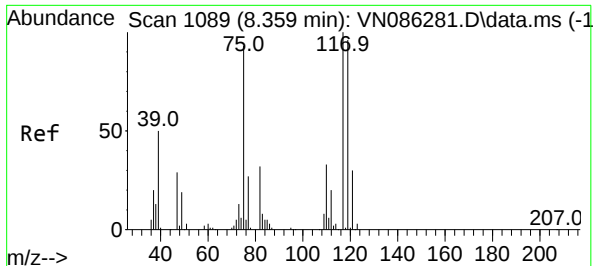
Ion Ratio Lower Upper

75 100

110 7.3 16.8 50.4#

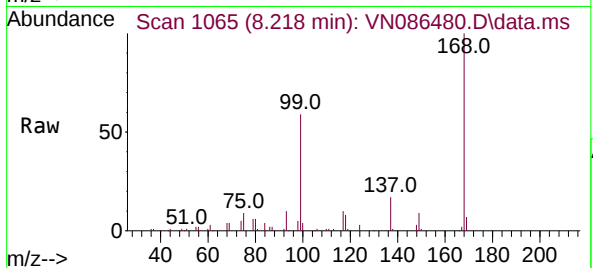
77 0.0 24.9 37.3#



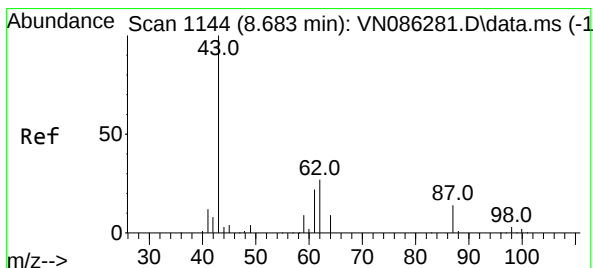
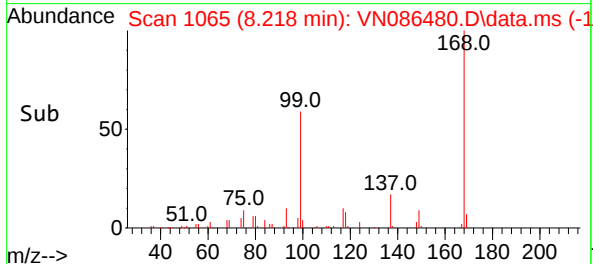
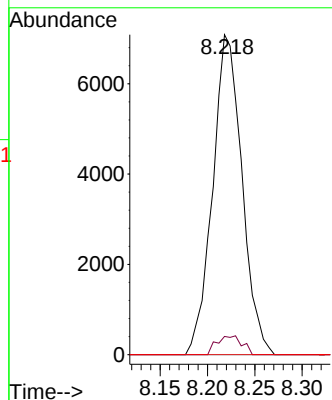


#38
Carbon Tetrachloride
Concen: 5.834 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Instrument :
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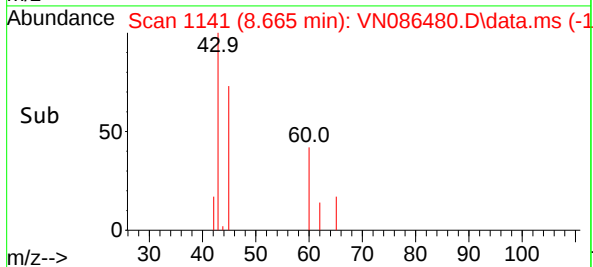
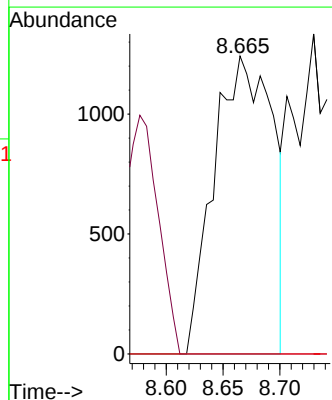
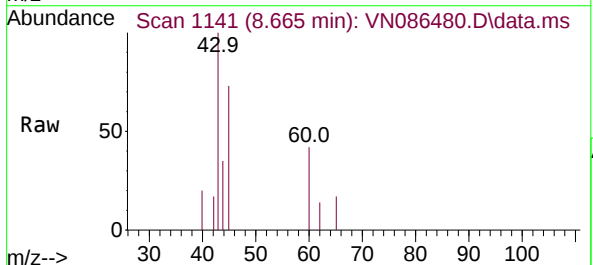


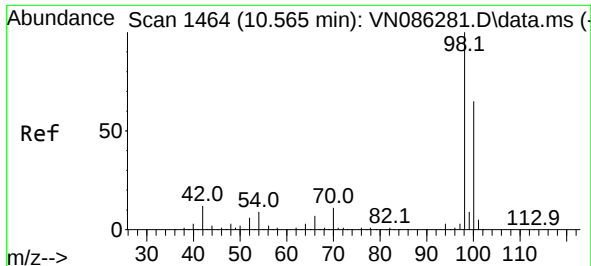
Tgt Ion:117 Resp: 15260
Ion Ratio Lower Upper
117 100
119 5.7 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.665 min Scan# 1141
Delta R.T. -0.018 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion: 43 Resp: 4451
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

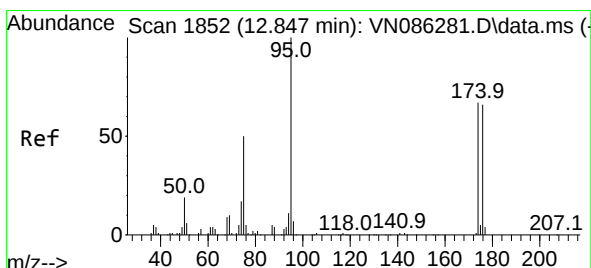
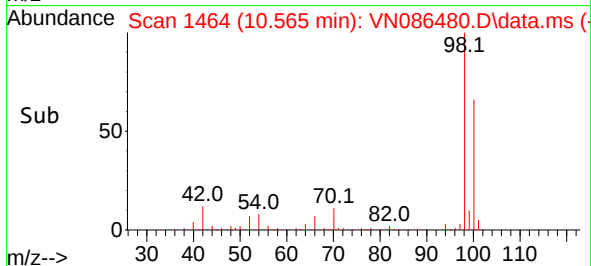
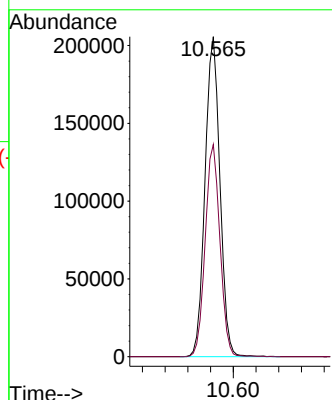
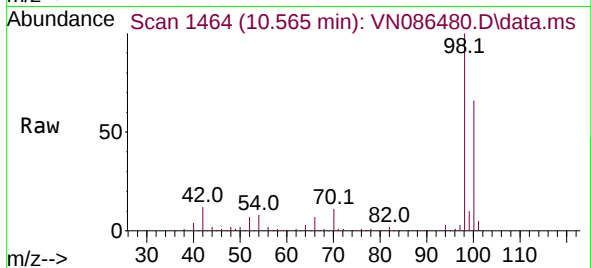




#50
Toluene-d8
Concen: 50.772 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

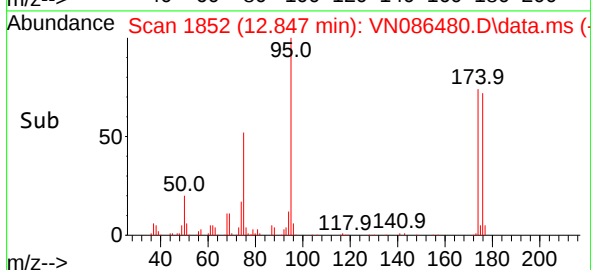
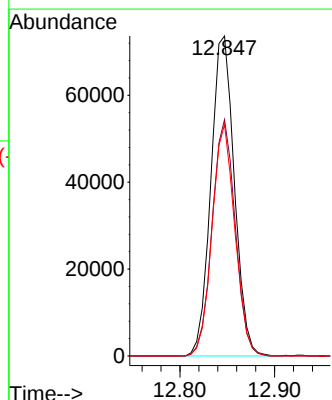
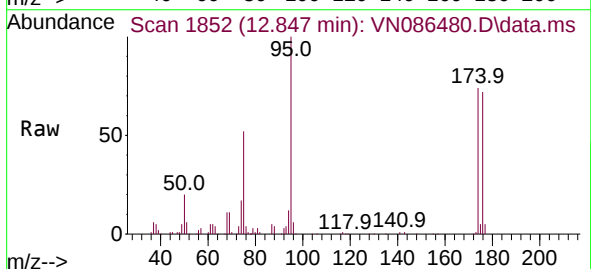
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

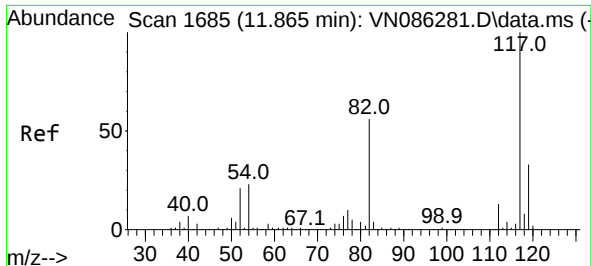
Tgt Ion: 98 Resp: 373128
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 47.294 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion: 95 Resp: 126773
Ion Ratio Lower Upper
95 100
174 72.4 0.0 133.4
176 70.3 0.0 129.2

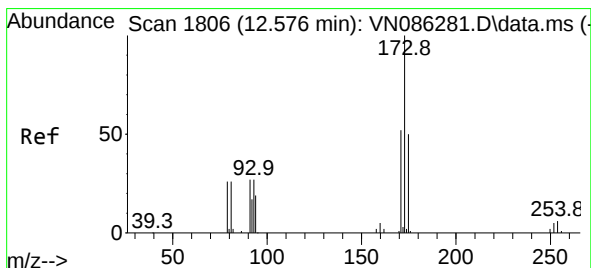
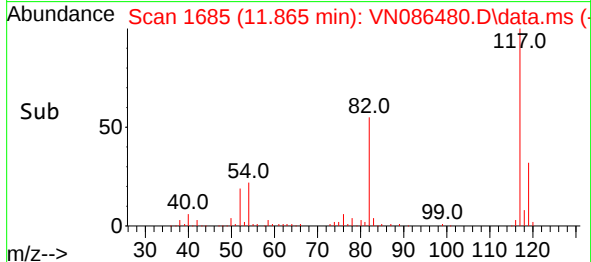
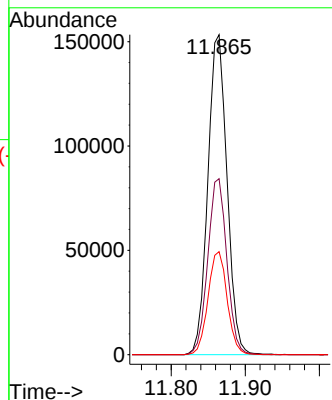
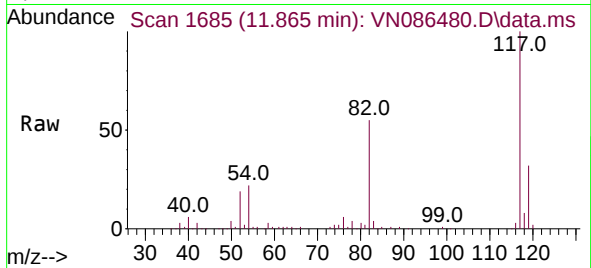




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

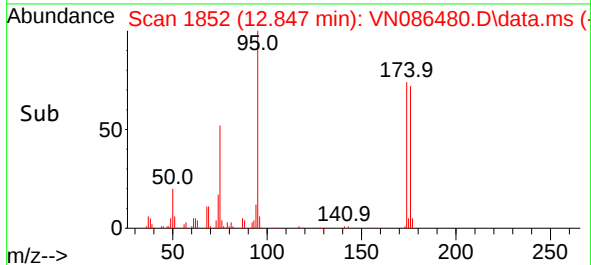
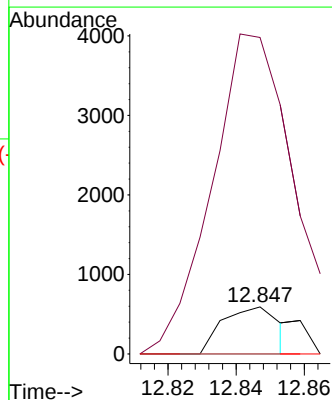
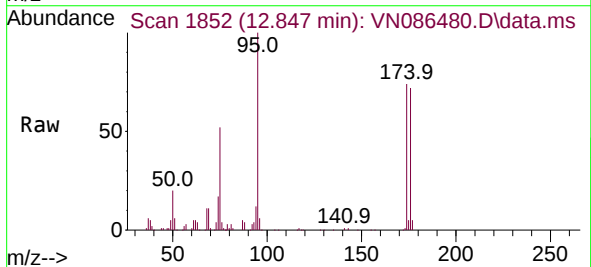
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

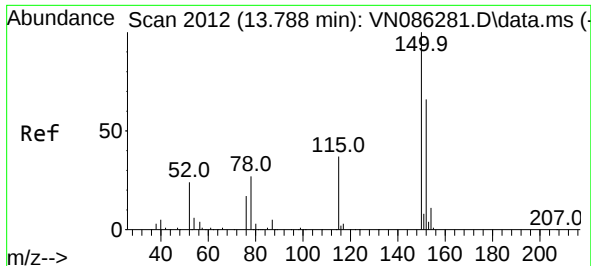
Tgt Ion:117 Resp: 275019
Ion Ratio Lower Upper
117 100
82 55.0 44.7 67.1
119 32.2 26.4 39.6



#71
Bromoform
Concen: 0.445 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion:173 Resp: 679
Ion Ratio Lower Upper
173 100
175 830.0 24.6 73.6#
254 0.0 0.0 0.0

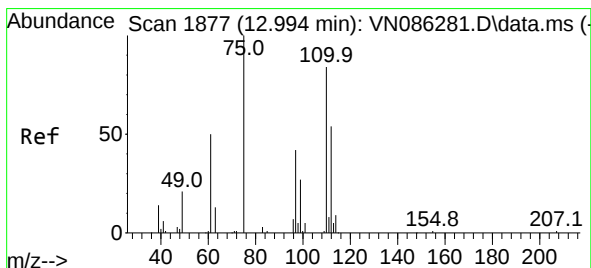
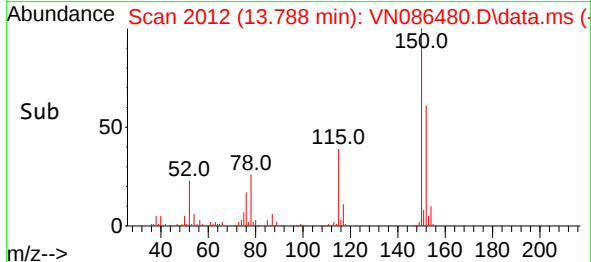
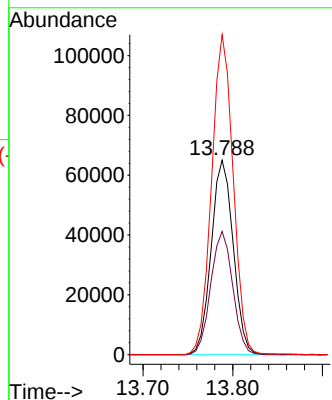
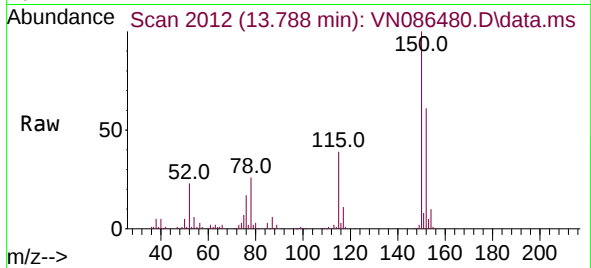




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN086480.D
 Acq: 05 May 2025 12:38

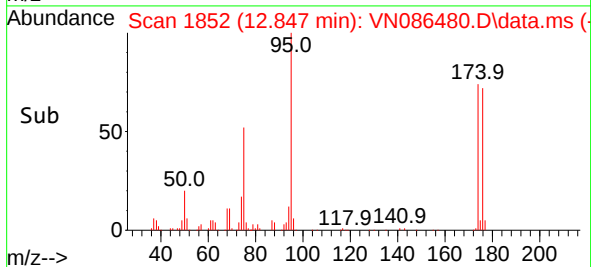
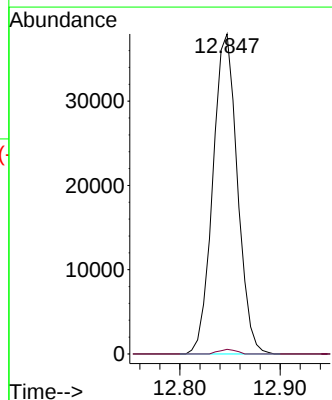
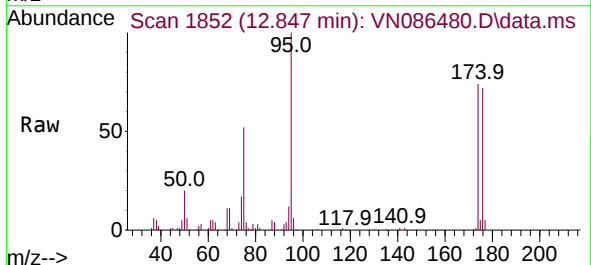
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBL01

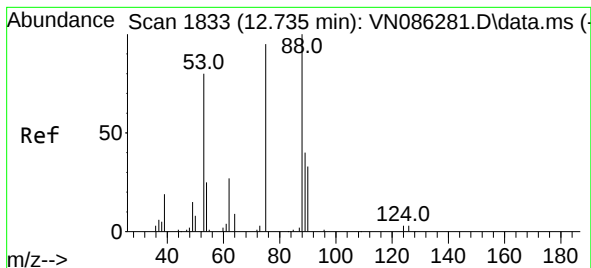
Tgt Ion:152 Resp: 110905
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.9 95.9
 150 161.2 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.694 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086480.D
 Acq: 05 May 2025 12:38

Tgt Ion: 75 Resp: 64629
 Ion Ratio Lower Upper
 75 100
 77 1.0 98.8 296.4#

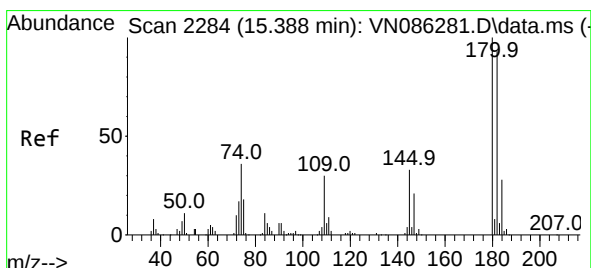
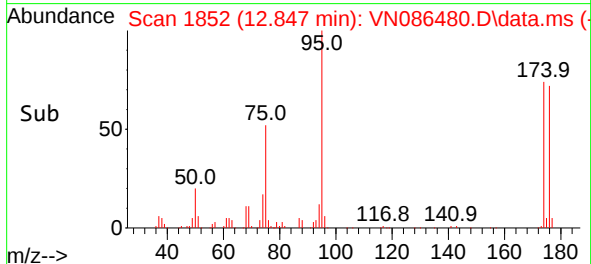
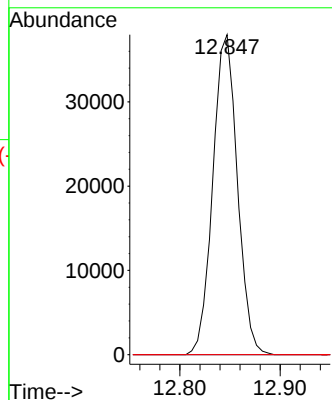
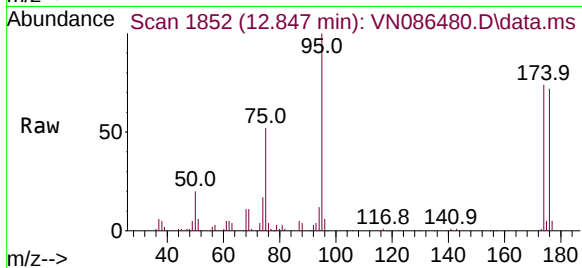




#81
trans-1,4-Dichloro-2-butene
Concen: 59.306 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

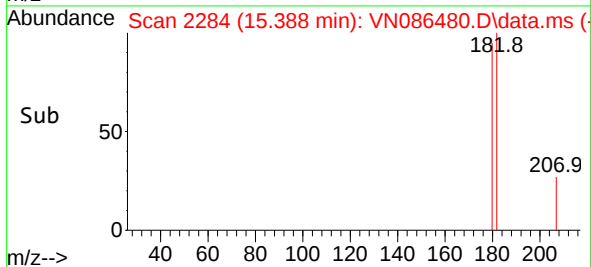
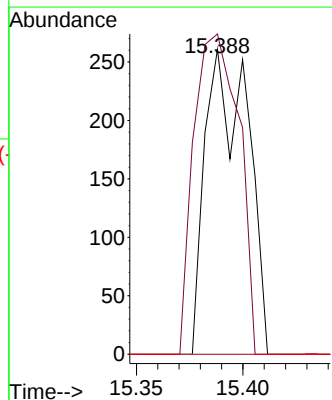
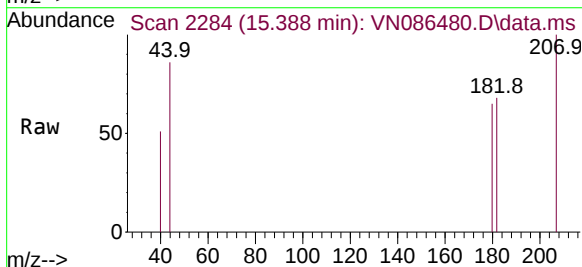
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

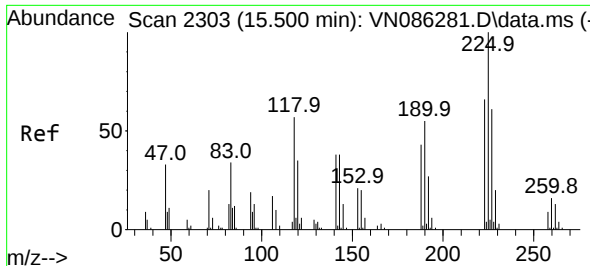
Tgt Ion: 75 Resp: 64629
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.206 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

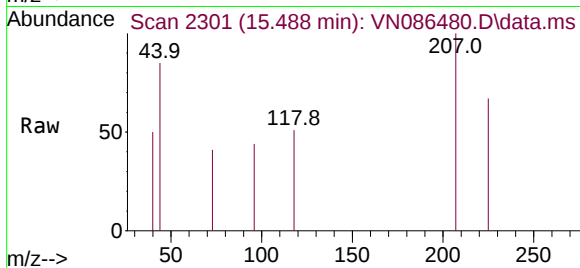
Tgt Ion:180 Resp: 361
Ion Ratio Lower Upper
180 100
182 111.6 47.0 141.0
145 0.0 16.4 49.1#



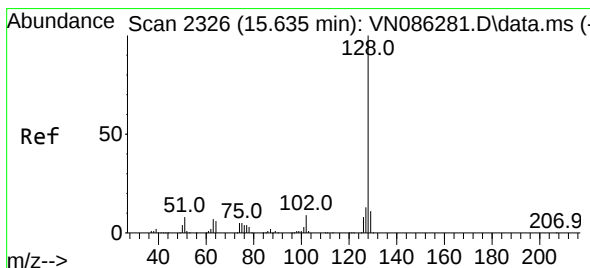
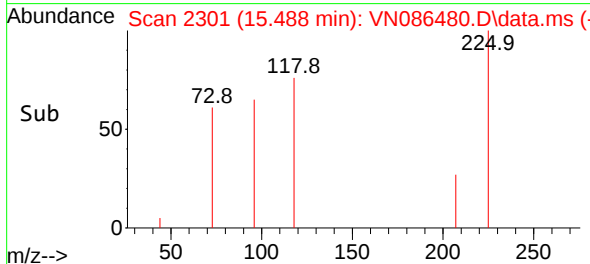
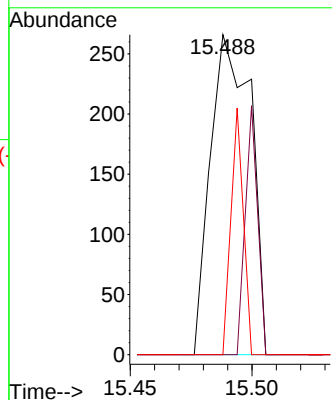


#94
Hexachlorobutadiene
Concen: 0.462 ug/l
RT: 15.488 min Scan# 2301
Delta R.T. -0.012 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01



Tgt Ion	Ratio	Lower	Upper
225	100		
223	23.9	32.8	98.3#
227	23.5	31.4	94.0#



#95
Naphthalene
Concen: 0.332 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion	Ratio	Lower	Upper
128	100		
127	3.8	10.2	15.4#
129	0.0	8.6	13.0#

