

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
 Data File : VN085882.D
 Acq On : 27 Feb 2025 11:17
 Operator : JC\MD
 Sample : VN0227WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0227WBL01

Quant Time: Feb 28 01:56:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

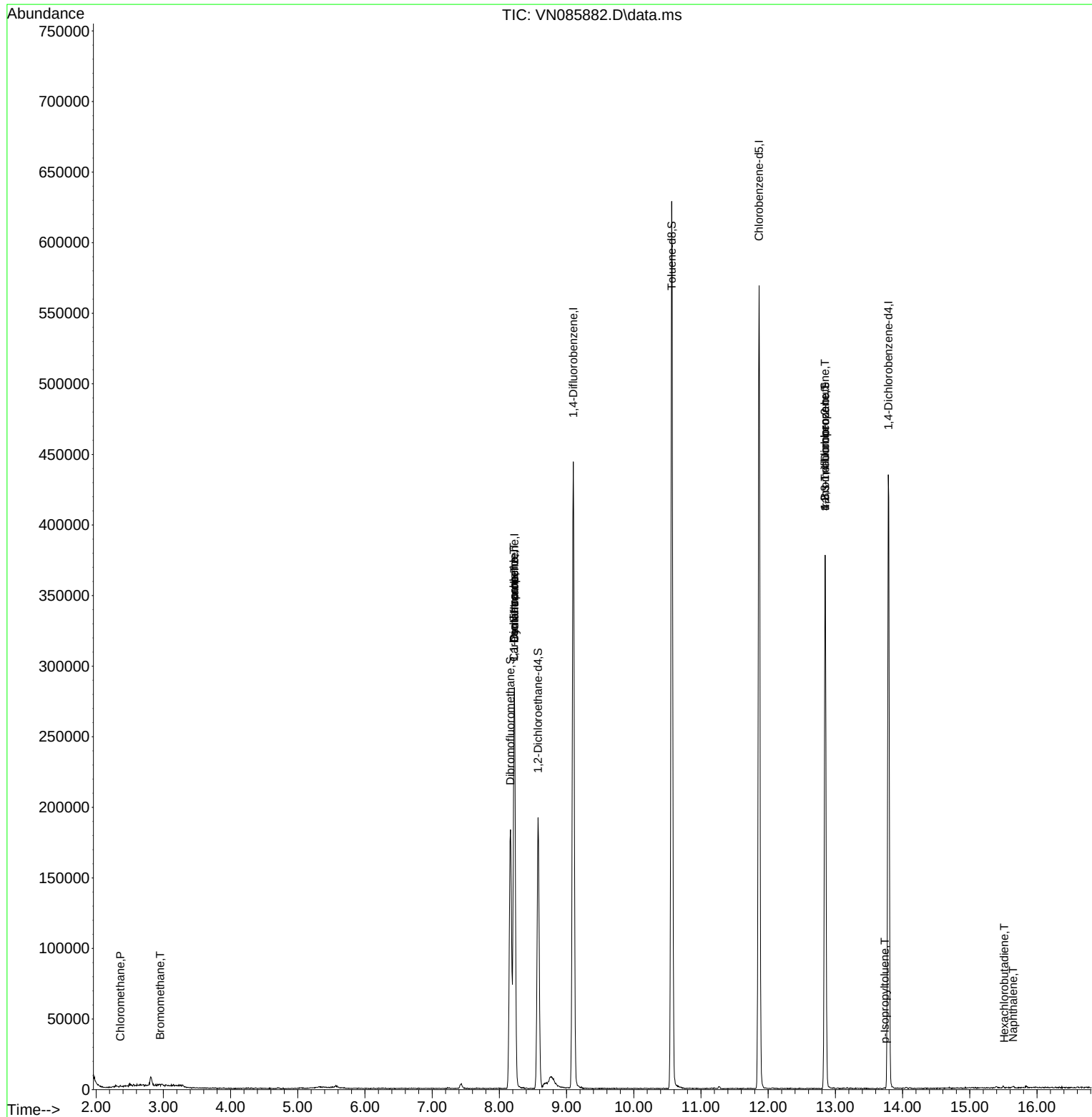
Internal Standards						
1) Pentafluorobenzene	8.224	168	204202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	390858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	343319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150865	56.986	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.980%			
35) Dibromofluoromethane	8.165	113	138357	54.097	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.200%			
50) Toluene-d8	10.565	98	445550	47.881	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.760%			
62) 4-Bromofluorobenzene	12.847	95	135219	44.104	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.200%			
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	662	0.238	ug/l #	63
5) Bromomethane	2.953	94	494	0.262	ug/l #	74
31) Cyclohexane	8.224	56	3931	1.040	ug/l #	11
36) 1,1-Dichloropropene	8.218	75	17183	4.747	ug/l #	49
38) Carbon Tetrachloride	8.218	117	21760	5.059	ug/l #	19
43) Isopropyl Acetate	8.688	43	955	Below Cal	#	53
58) 2-Chloroethyl Vinyl ether	10.159	63	63	Below Cal	#	46
76) 1,2,3-Trichloropropane	12.847	75	64789	23.366	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64789	68.176	ug/l #	12
86) p-Isopropyltoluene	13.735	119	113	0.641	ug/l #	50
94) Hexachlorobutadiene	15.511	225	485	0.402	ug/l #	69
95) Naphthalene	15.647	128	1749	0.321	ug/l #	74

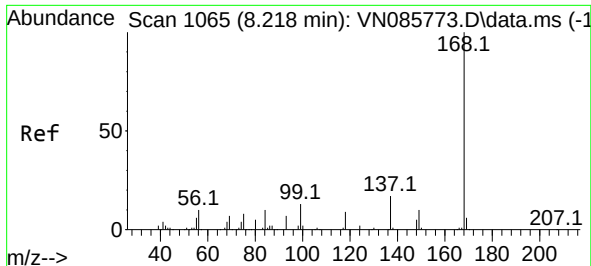
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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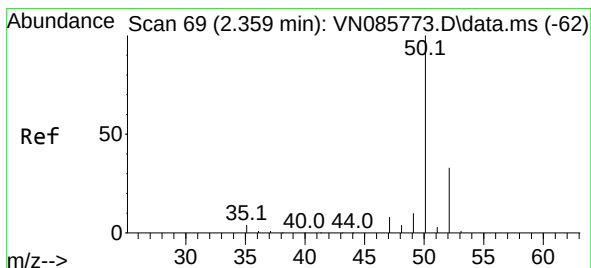
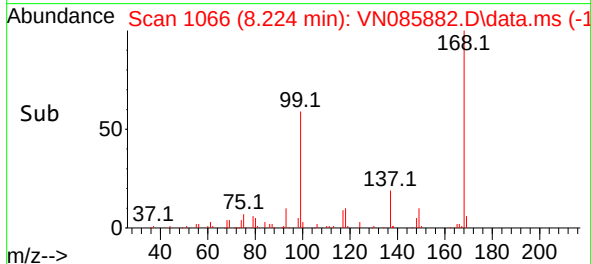
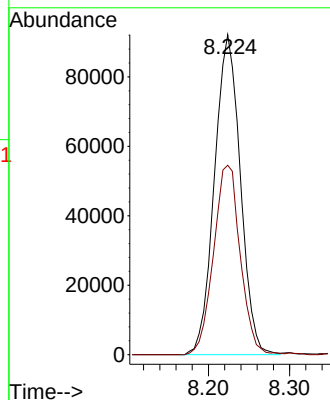
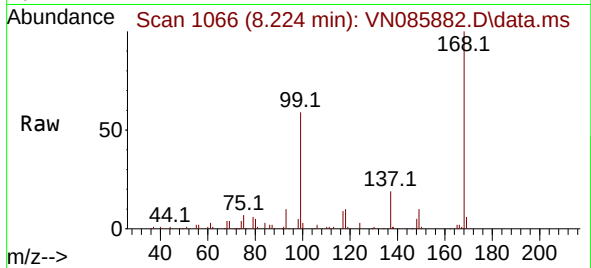




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

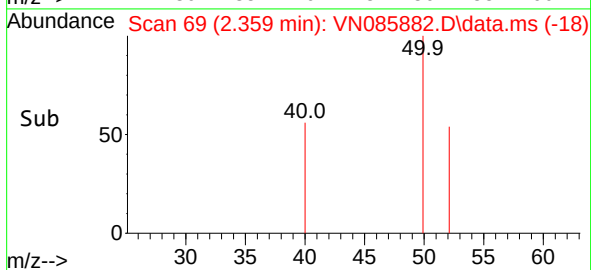
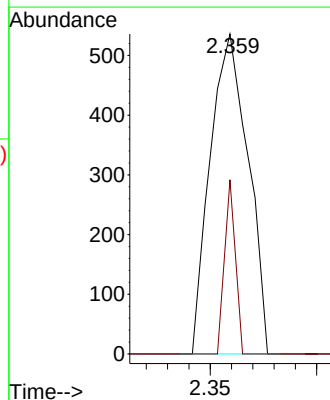
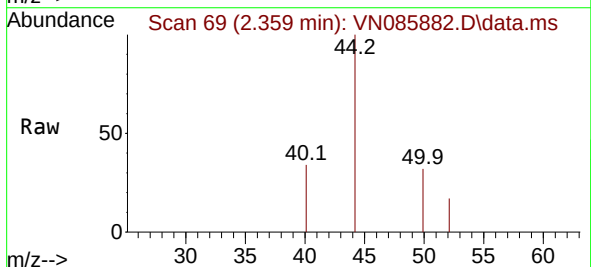
Instrument :
MSVOA_N
ClientSampleId :
VN0227WBL01

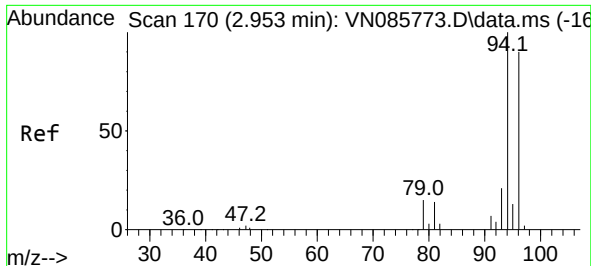
Tgt Ion:168 Resp: 204202
Ion Ratio Lower Upper
168 100
99 59.2 47.9 71.9



#3
Chloromethane
Concen: 0.238 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Tgt Ion: 50 Resp: 662
Ion Ratio Lower Upper
50 100
52 54.5 26.7 40.1#

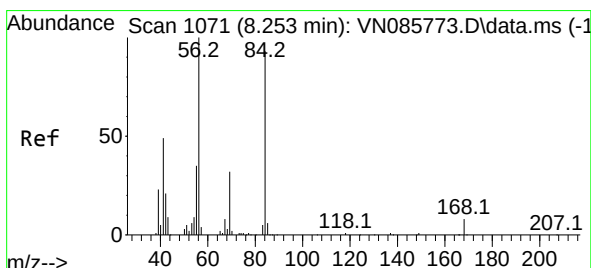
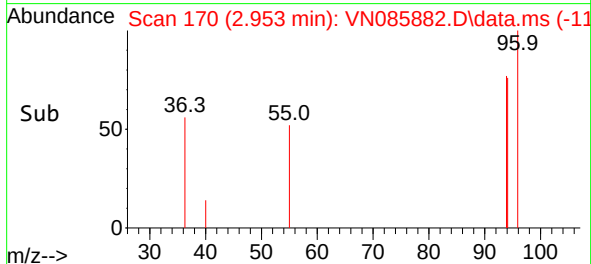
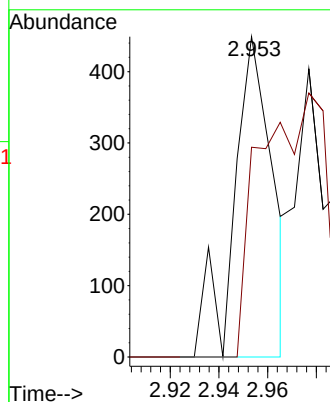
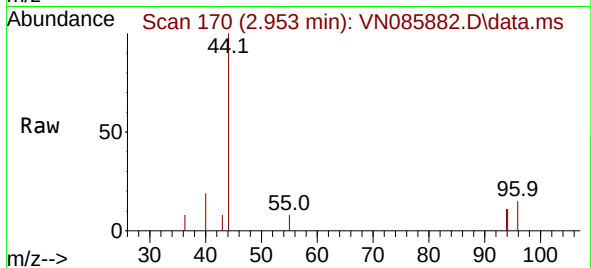




#5
Bromomethane
Concen: 0.262 ug/l
RT: 2.953 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

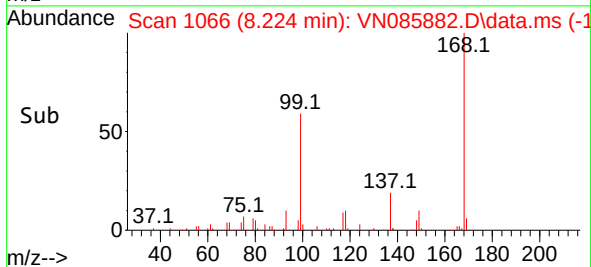
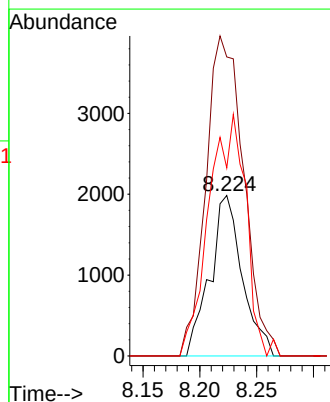
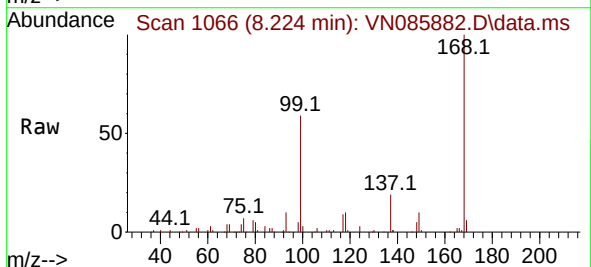
Instrument :
MSVOA_N
ClientSampleId :
VN0227WBL01

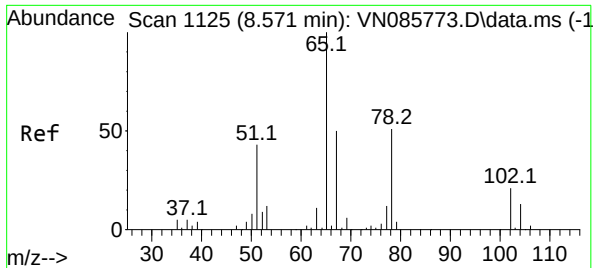
Tgt Ion: 94 Resp: 494
Ion Ratio Lower Upper
94 100
96 65.5 71.7 107.5#



#31
Cyclohexane
Concen: 1.040 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Tgt Ion: 56 Resp: 3931
Ion Ratio Lower Upper
56 100
69 186.3 25.8 38.6#
84 117.1 74.5 111.7#

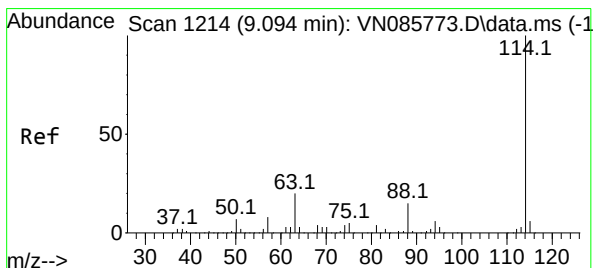
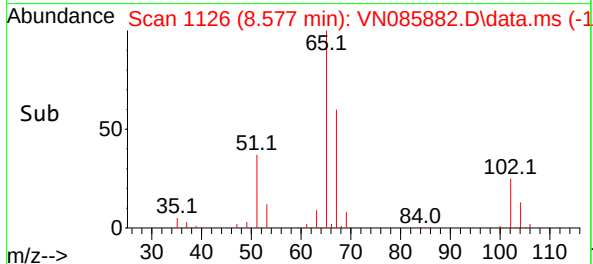
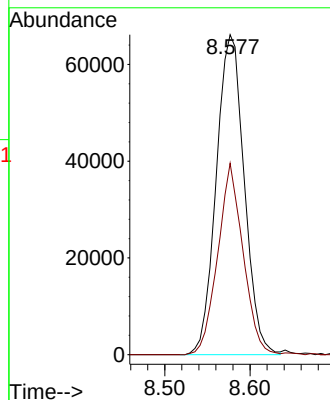
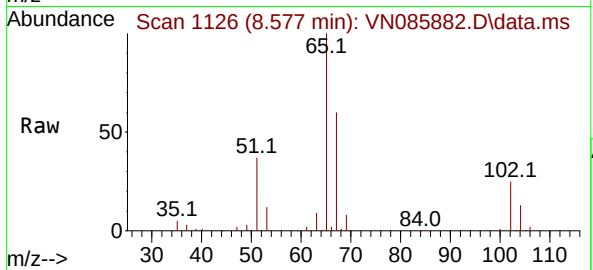




#33
 1,2-Dichloroethane-d4
 Concen: 56.986 ug/l
 RT: 8.577 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: VN085882.D
 Acq: 27 Feb 2025 11:17

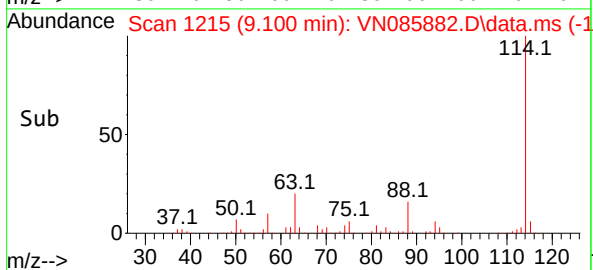
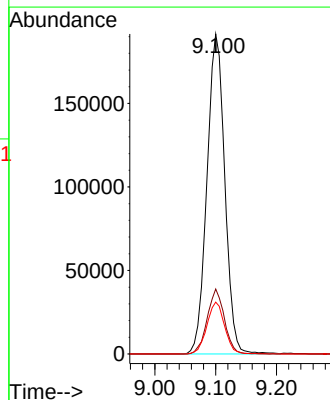
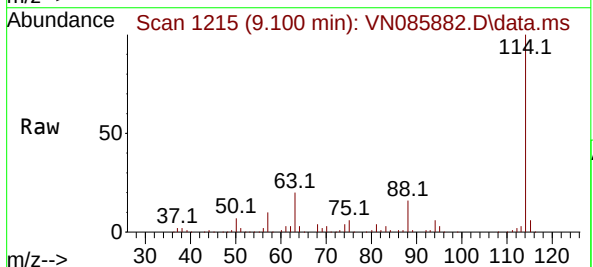
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0227WBL01

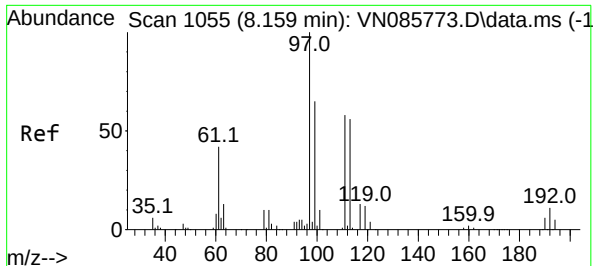
Tgt Ion: 65 Resp: 150865
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085882.D
 Acq: 27 Feb 2025 11:17

Tgt Ion: 114 Resp: 390858
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.2
 88 16.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.097 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085882.D

Acq: 27 Feb 2025 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0227WBL01

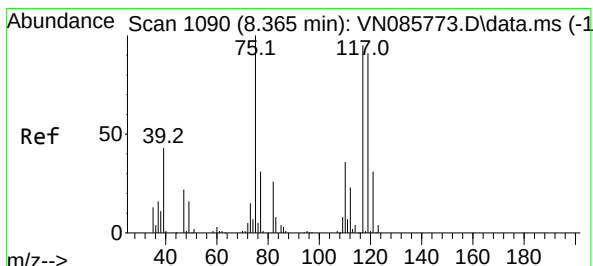
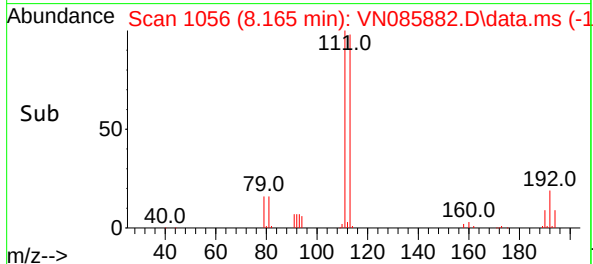
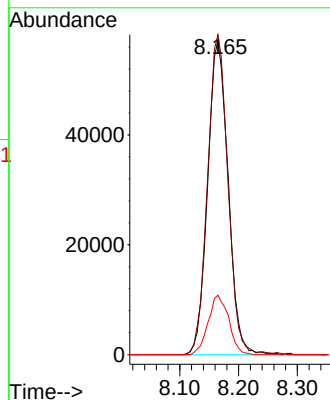
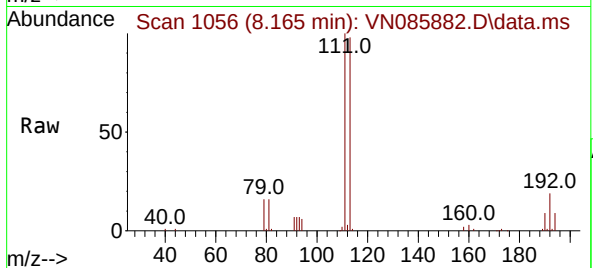
Tgt Ion:113 Resp: 138357

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

192 19.1 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.747 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085882.D

Acq: 27 Feb 2025 11:17

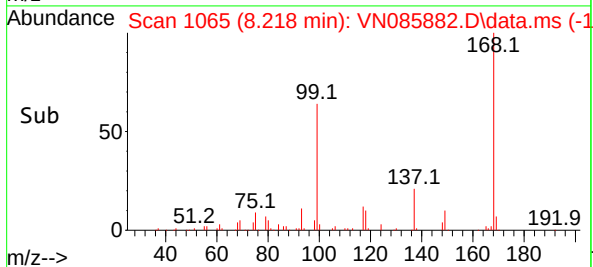
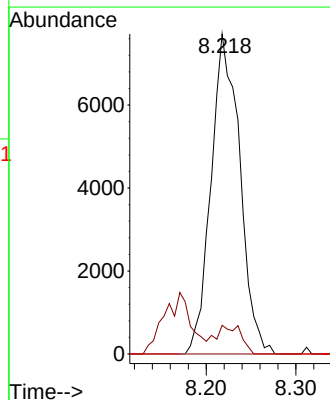
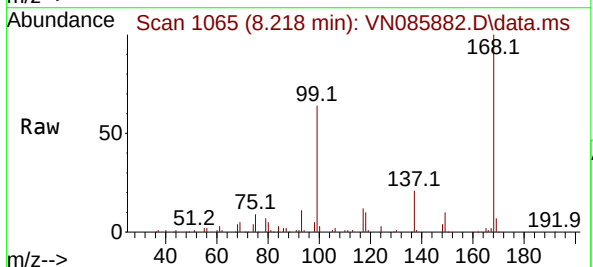
Tgt Ion: 75 Resp: 17183

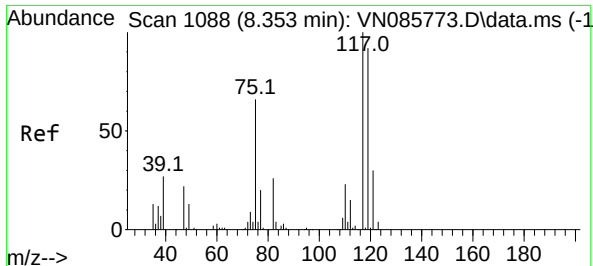
Ion Ratio Lower Upper

75 100

110 7.9 17.3 52.0#

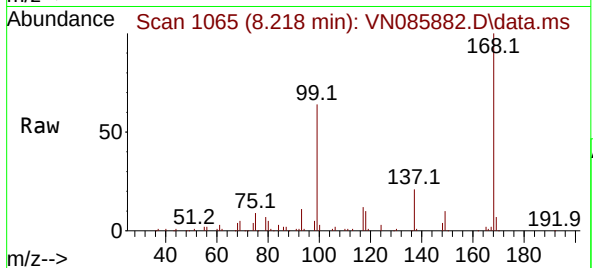
77 0.0 24.6 37.0#



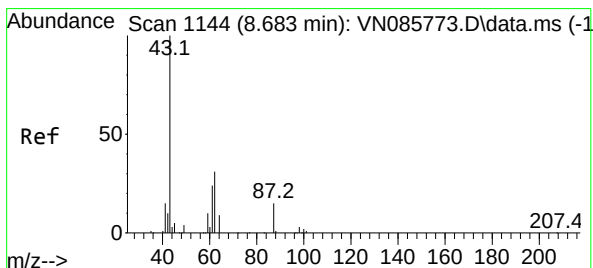
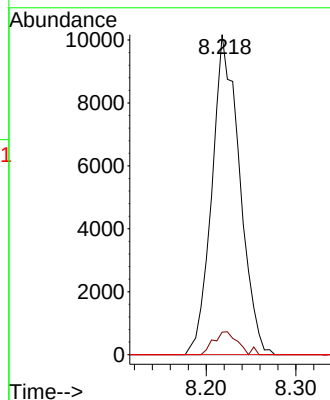
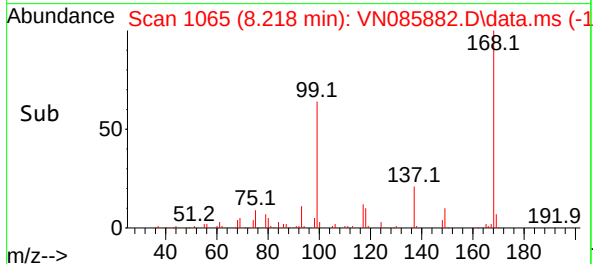


#38
Carbon Tetrachloride
Concen: 5.059 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

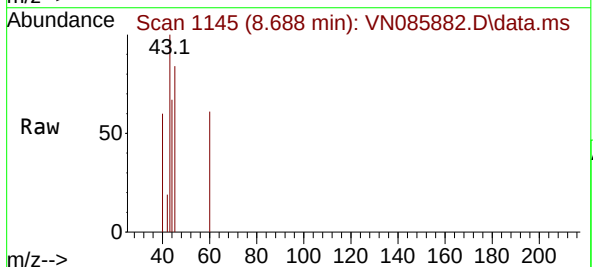
Instrument :
MSVOA_N
ClientSampleId :
VN0227WBL01



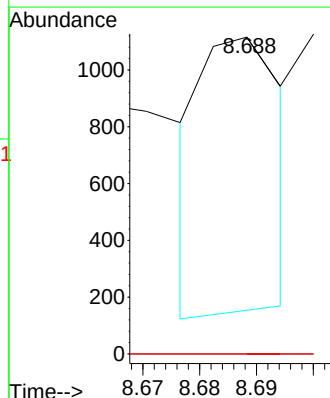
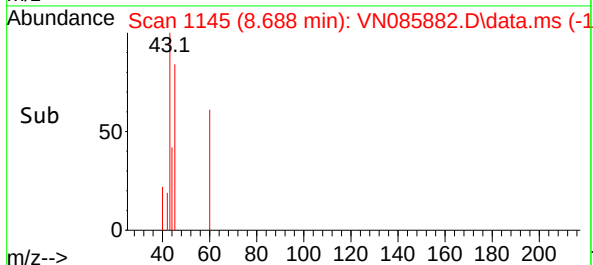
Tgt Ion:117 Resp: 21760
Ion Ratio Lower Upper
117 100
119 7.1 73.8 110.6#
121 0.0 24.3 36.5#

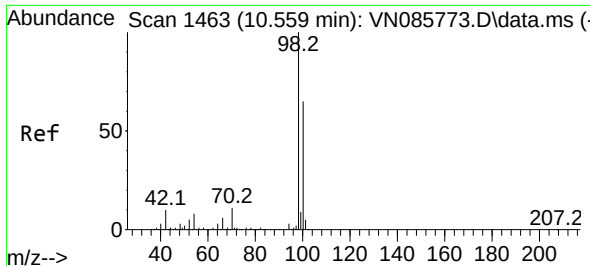


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17



Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#

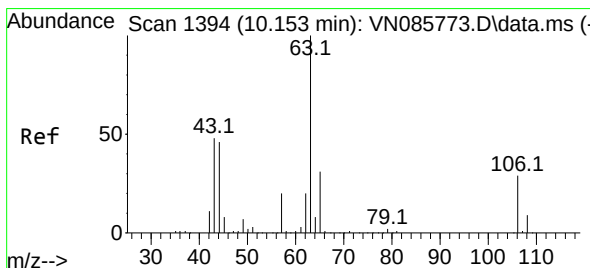
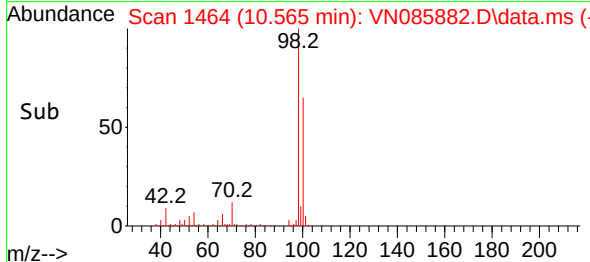
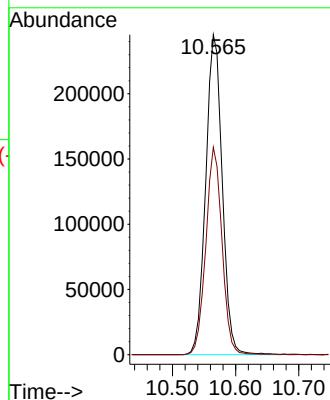
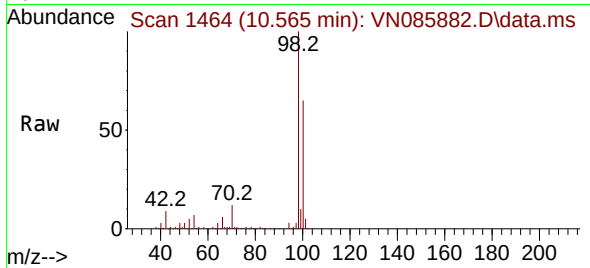




#50
Toluene-d8
Concen: 47.881 ug/l
RT: 10.565 min Scan# 1463
Delta R.T. 0.006 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

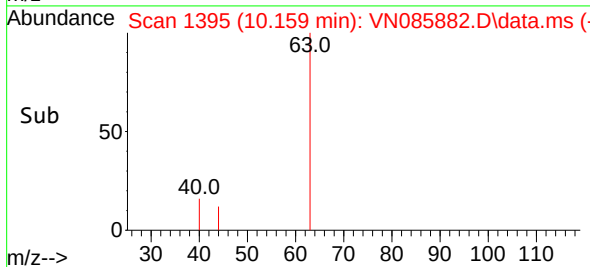
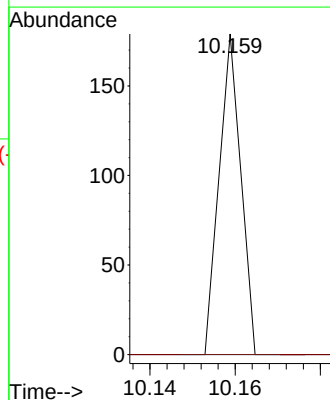
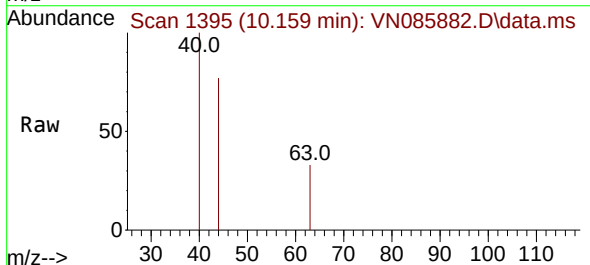
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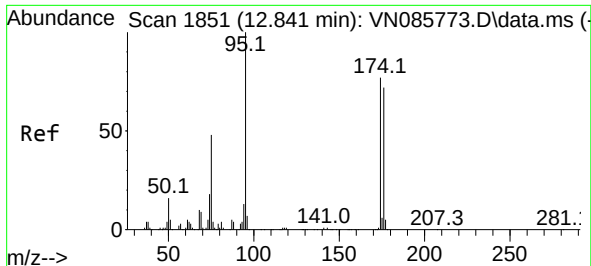
Tgt Ion: 98 Resp: 445550
Ion Ratio Lower Upper
98 100
100 63.4 52.1 78.1



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.159 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Tgt Ion: 63 Resp: 63
Ion Ratio Lower Upper
63 100
106 0.0 22.7 34.1#

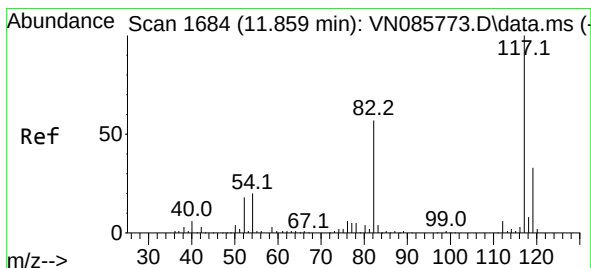
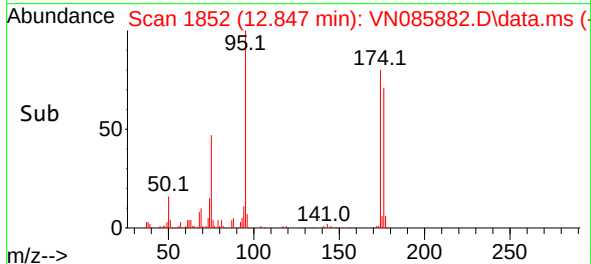
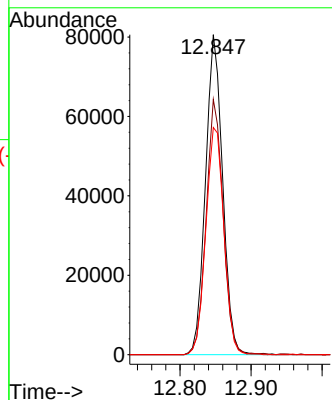
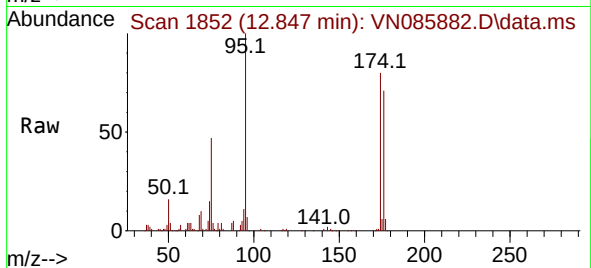




#62
4-Bromofluorobenzene
Concen: 44.104 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

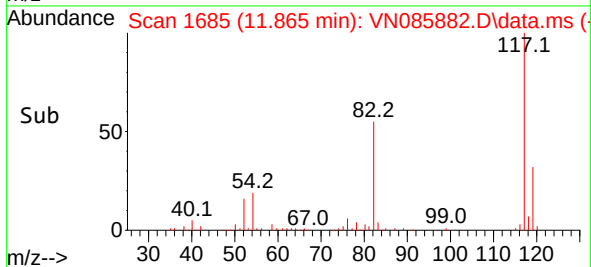
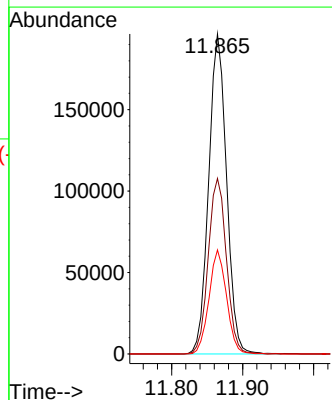
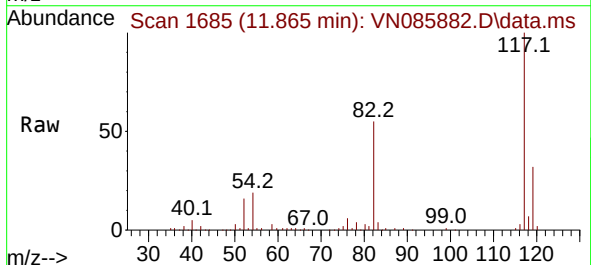
Instrument :
MSVOA_N
ClientSampleId :
VN0227WBL01

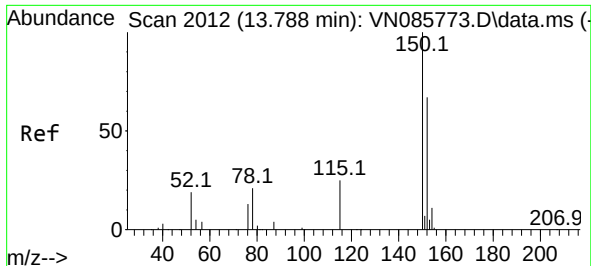
Tgt Ion: 95 Resp: 135219
Ion Ratio Lower Upper
95 100
174 79.3 0.0 152.4
176 74.9 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Tgt Ion: 117 Resp: 343319
Ion Ratio Lower Upper
117 100
82 54.8 45.7 68.5
119 32.5 26.2 39.2

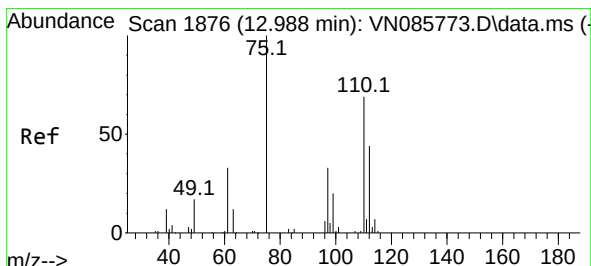
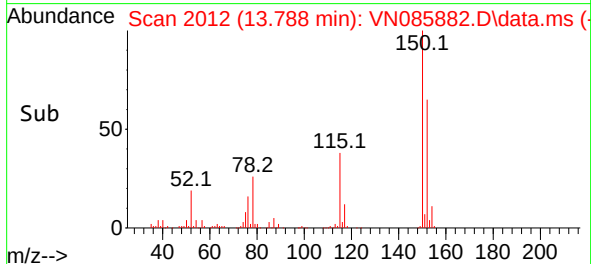
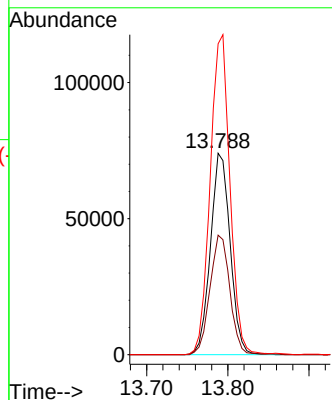
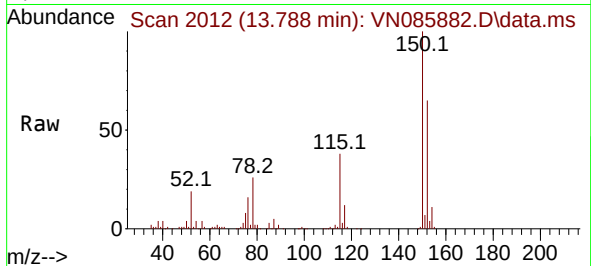




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085882.D
 Acq: 27 Feb 2025 11:17

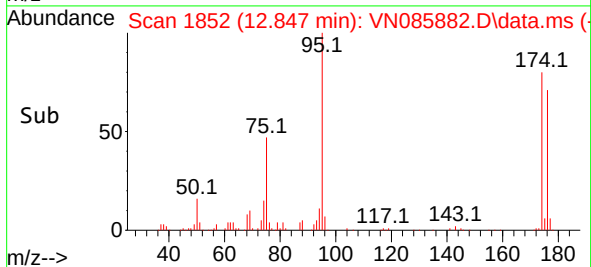
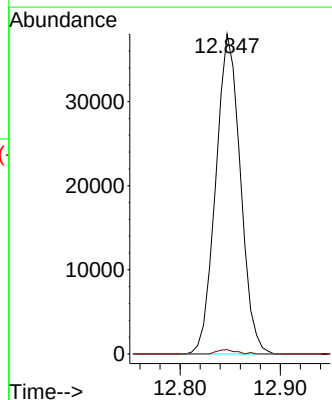
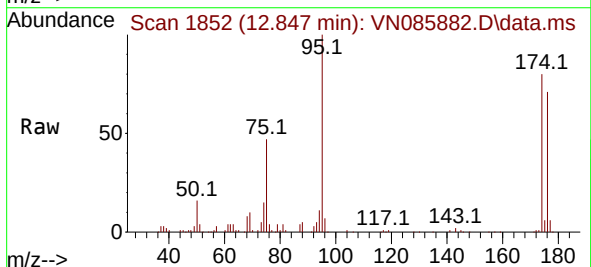
Instrument :
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 ClientSampleId :
 VN0227WBL01

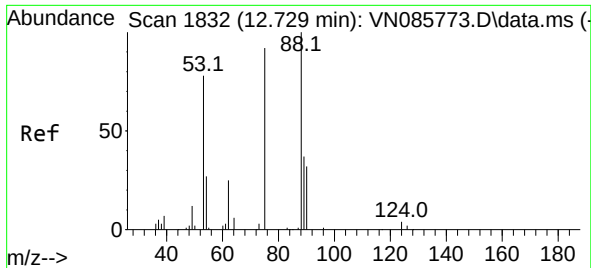
Tgt Ion:152 Resp: 124825
 Ion Ratio Lower Upper
 152 100
 115 59.7 30.4 91.3
 150 158.9 0.0 345.4



#76
 1,2,3-Trichloropropane
 Concen: 23.366 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085882.D
 Acq: 27 Feb 2025 11:17

Tgt Ion: 75 Resp: 64789
 Ion Ratio Lower Upper
 75 100
 77 1.1 100.0 300.0#

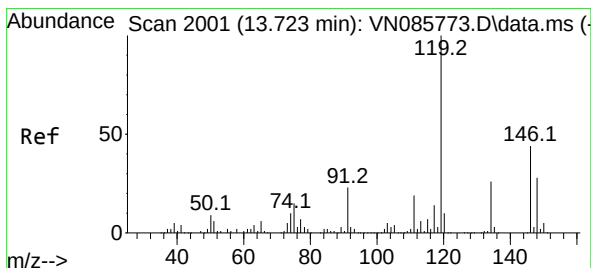
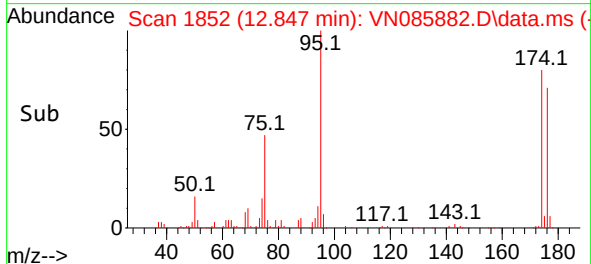
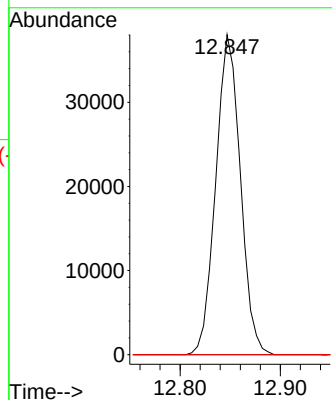
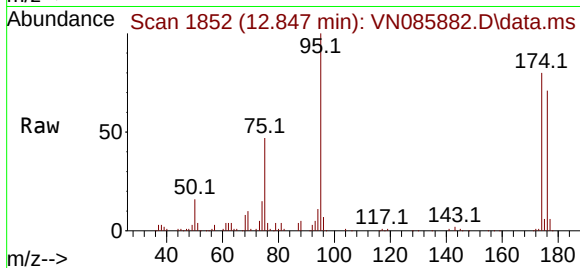




#81
trans-1,4-Dichloro-2-butene
Concen: 68.176 ug/l
RT: 12.847 min Scan# 1832
Delta R.T. 0.118 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

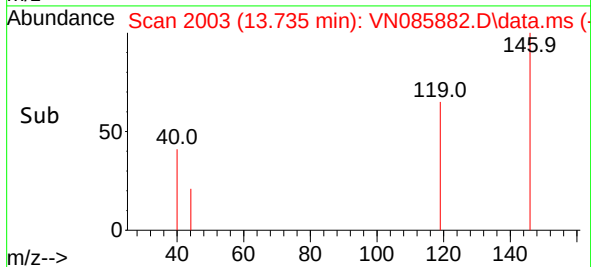
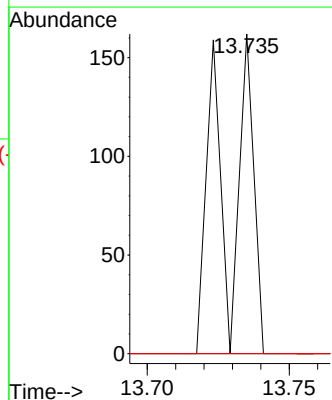
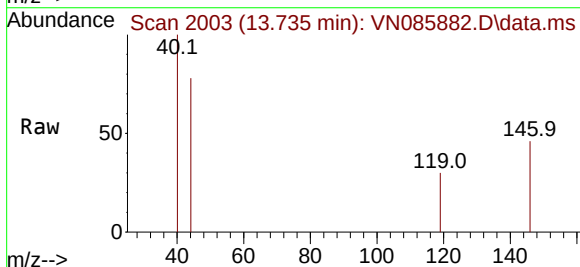
Instrument :
MSVOA_N
ClientSampleId :
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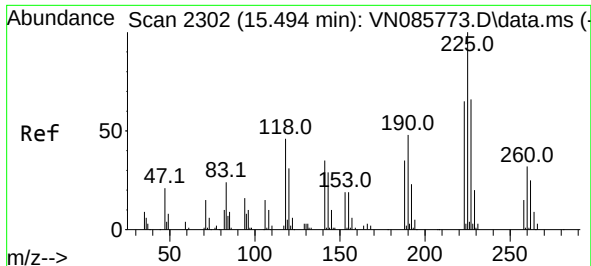
Tgt Ion: 75 Resp: 64789
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#



#86
p-Isopropyltoluene
Concen: 0.641 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.012 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Tgt Ion: 119 Resp: 113
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.7 35.1#

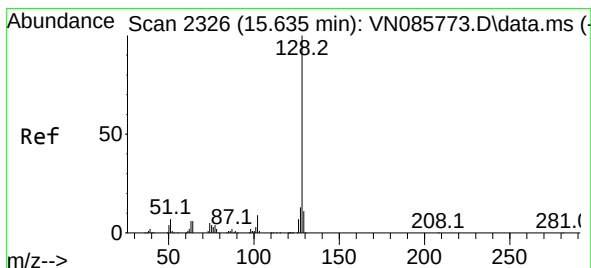
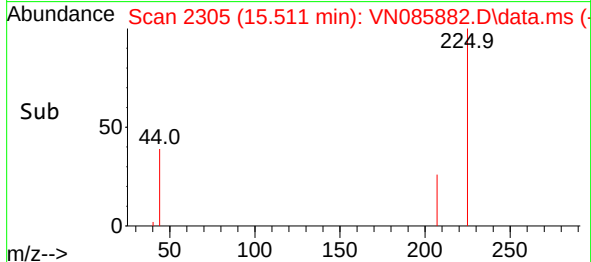
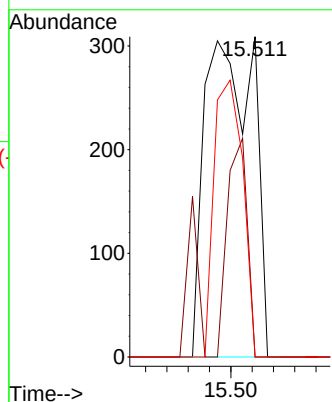
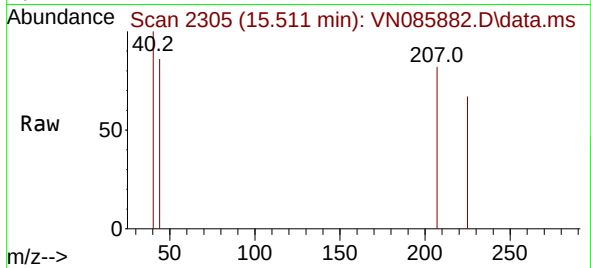




#94
Hexachlorobutadiene
Concen: 0.402 ug/l
RT: 15.511 min Scan# 21
Delta R.T. 0.018 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0227WBL01

Tgt Ion:225 Resp: 485
Ion Ratio Lower Upper
225 100
223 28.5 31.9 95.5#
227 51.3 32.2 96.6



#95
Naphthalene
Concen: 0.321 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN085882.D
Acq: 27 Feb 2025 11:17

Tgt Ion:128 Resp: 1749
Ion Ratio Lower Upper
128 100
127 3.4 10.2 15.2#
129 0.0 8.7 13.1#

