

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022525\
 Data File : VN085849.D
 Acq On : 25 Feb 2025 11:43
 Operator : JC\MD
 Sample : VN0225WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBL01

Quant Time: Feb 25 23:24:47 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)

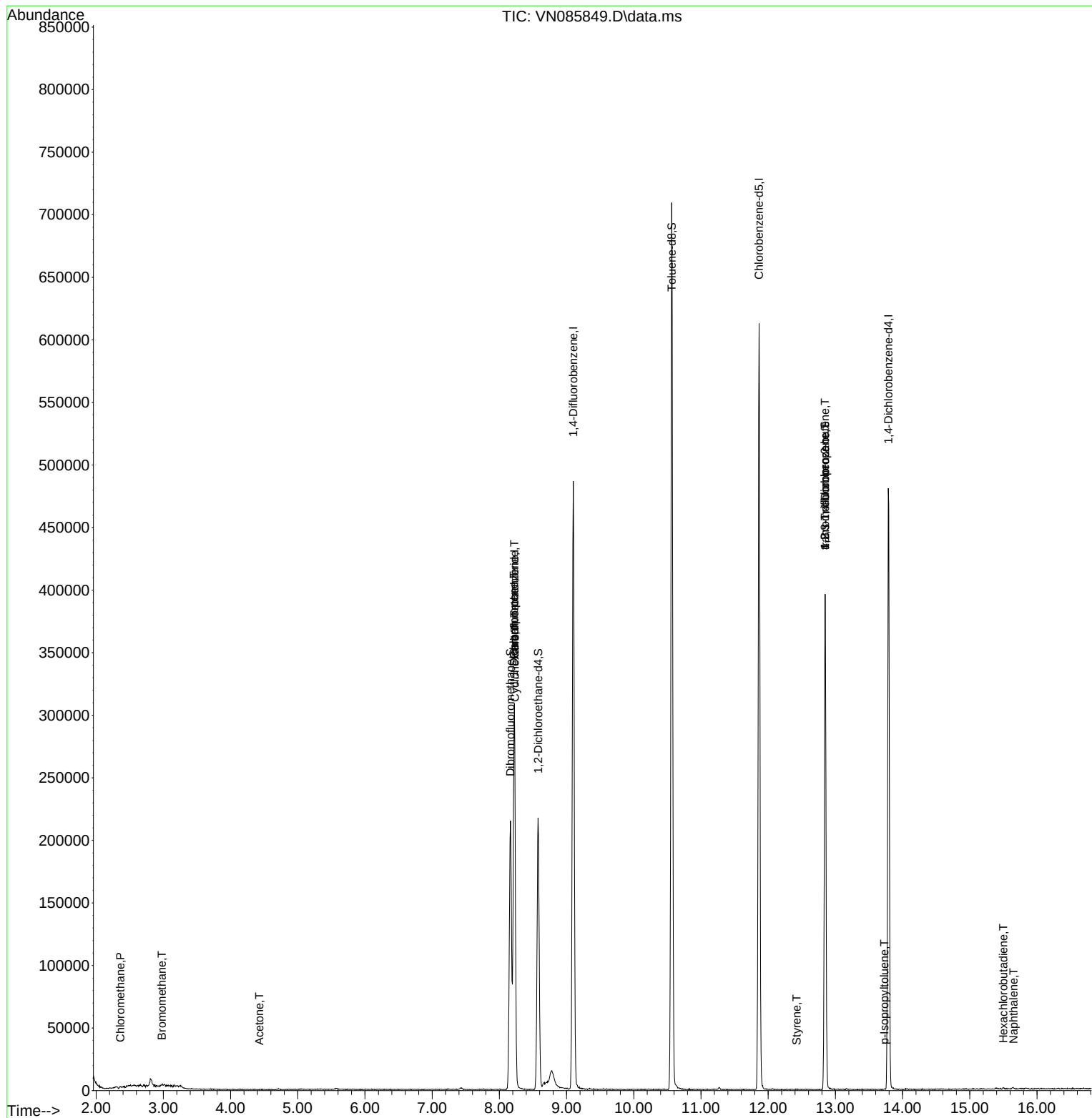
Internal Standards						
1) Pentafluorobenzene	8.224	168	216938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	423956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	361345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	174897	62.185	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 124.380%	
35) Dibromofluoromethane	8.165	113	154931	55.848	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.700%	
50) Toluene-d8	10.565	98	493684	48.912	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.820%	
62) 4-Bromofluorobenzene	12.847	95	139391	41.916	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 83.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	685	0.231	ug/l #	83
5) Bromomethane	2.977	94	891	0.444	ug/l #	54
16) Acetone	4.430	43	199	0.224	ug/l #	40
31) Cyclohexane	8.230	56	4810	1.197	ug/l #	3
36) 1,1-Dichloropropene	8.218	75	18101	4.610	ug/l #	50
38) Carbon Tetrachloride	8.224	117	23325	5.000	ug/l #	19
43) Isopropyl Acetate	8.694	43	1825	Below Cal	#	53
70) Styrene	12.423	104	69	0.593	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	70979	23.390	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70979	68.246	ug/l #	12
86) p-Isopropyltoluene	13.729	119	95	0.637	ug/l #	50
94) Hexachlorobutadiene	15.500	225	425	0.322	ug/l	70
95) Naphthalene	15.653	128	1700	0.285	ug/l #	84

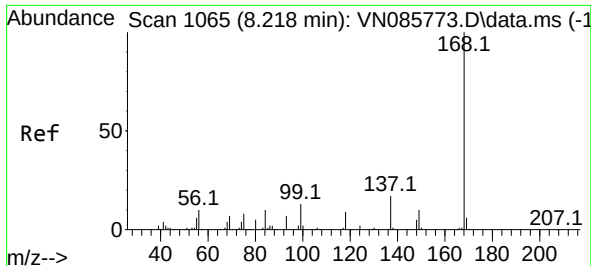
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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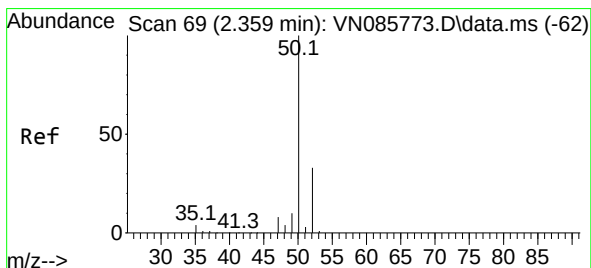
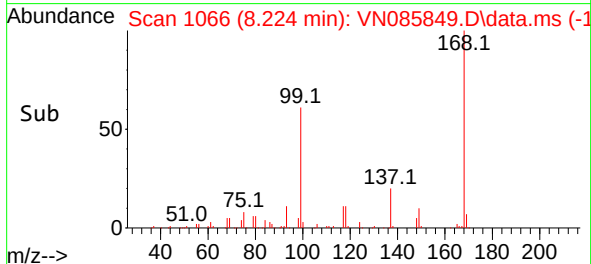
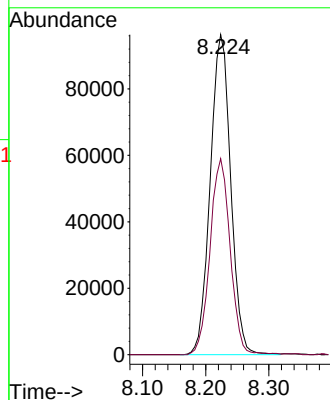
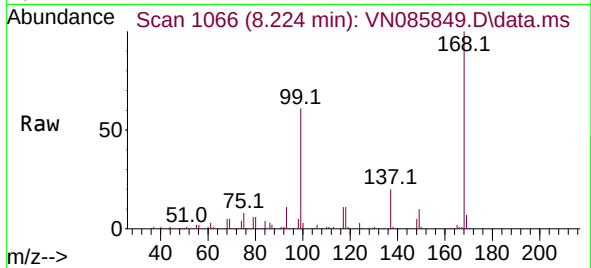




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

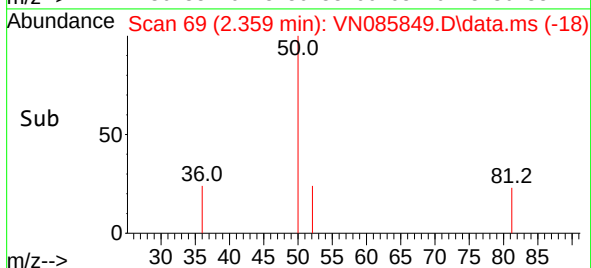
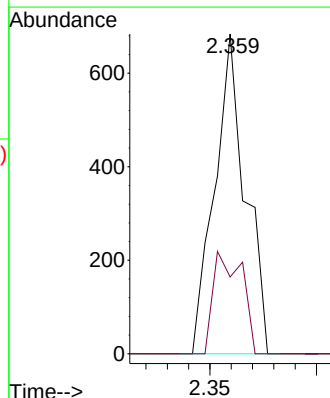
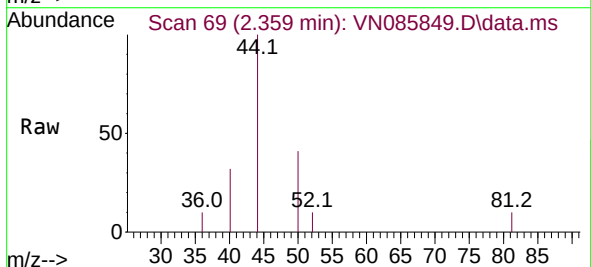
Instrument :
MSVOA_N
ClientSampleId :
VN0225WBL01

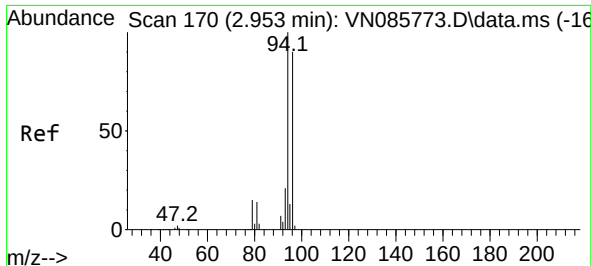
Tgt Ion:168 Resp: 216938
Ion Ratio Lower Upper
168 100
99 61.3 47.9 71.9



#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

Tgt Ion: 50 Resp: 685
Ion Ratio Lower Upper
50 100
52 24.0 26.7 40.1#

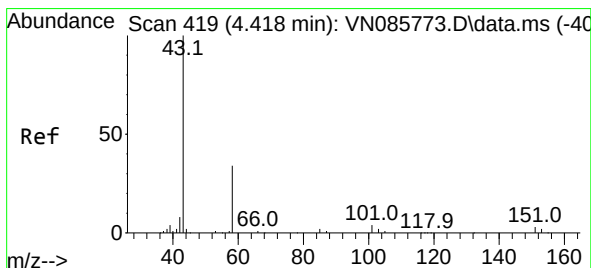
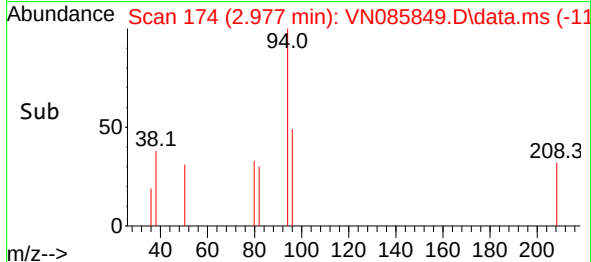
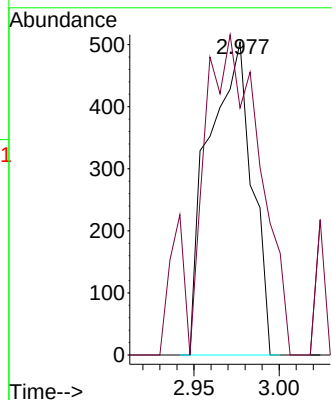
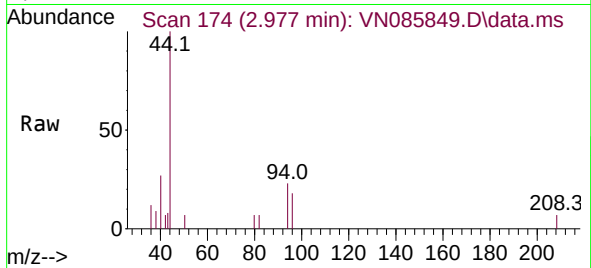




#5
Bromomethane
Concen: 0.444 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

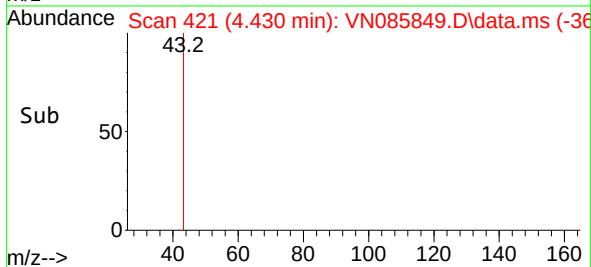
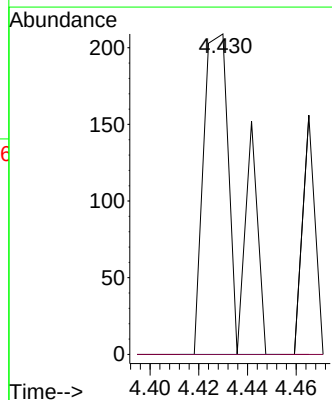
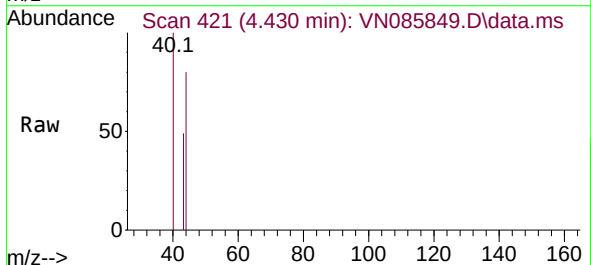
Instrument :
MSVOA_N
ClientSampleId :
VN0225WBL01

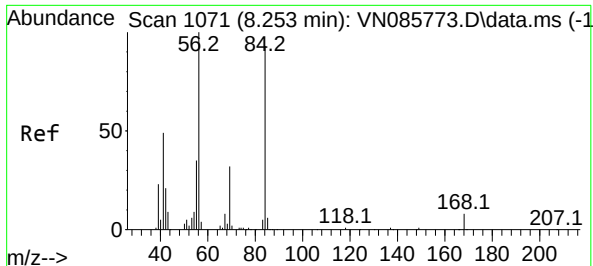
Tgt Ion: 94 Resp: 891
Ion Ratio Lower Upper
94 100
96 46.4 71.7 107.5#



#16
Acetone
Concen: 0.224 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

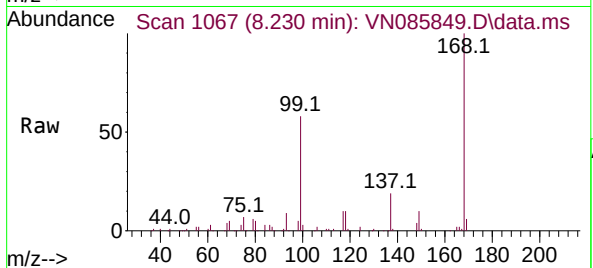
Tgt Ion: 43 Resp: 199
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



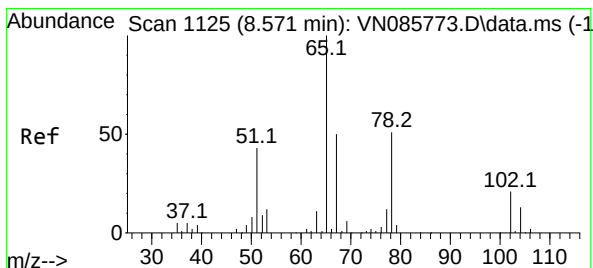
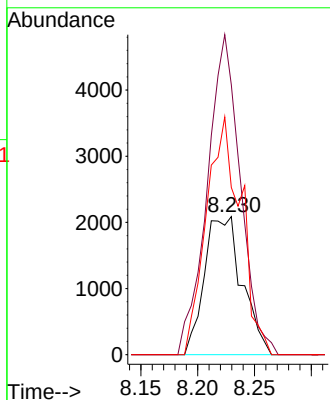
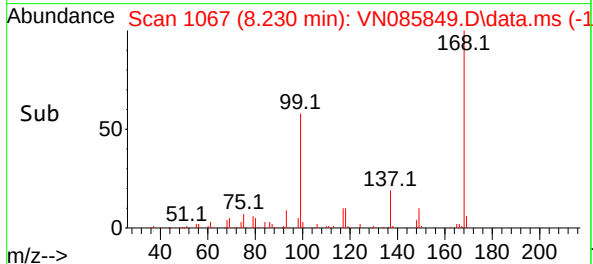


#31
Cyclohexane
Concen: 1.197 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBL01

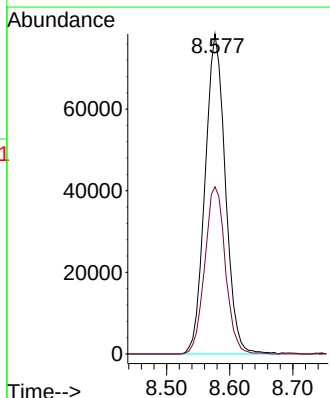
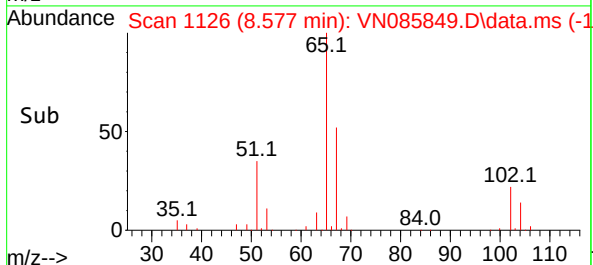
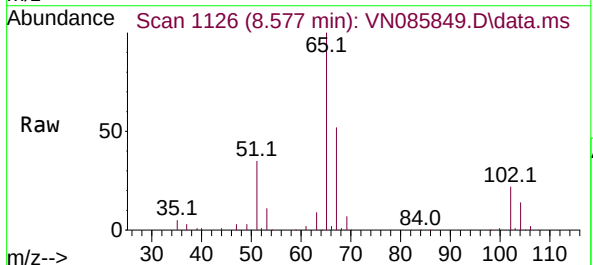


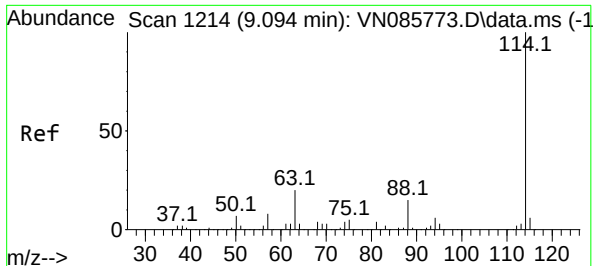
Tgt Ion: 56 Resp: 4810
Ion Ratio Lower Upper
56 100
69 195.5 25.8 38.6#
84 121.1 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 62.185 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

Tgt Ion: 65 Resp: 174897
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085849.D

Acq: 25 Feb 2025 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBL01

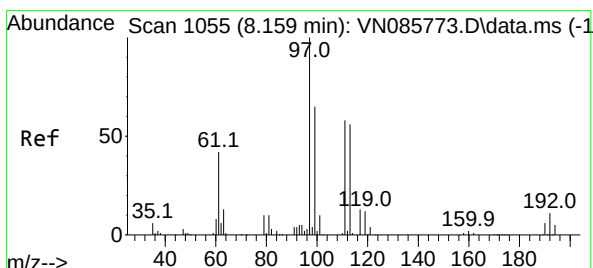
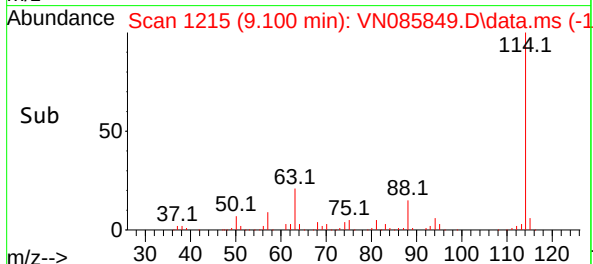
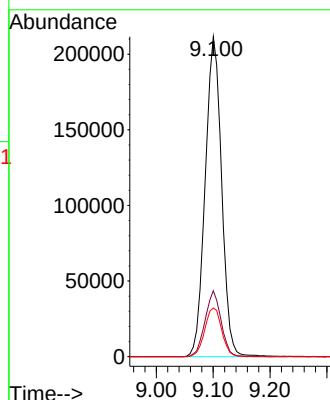
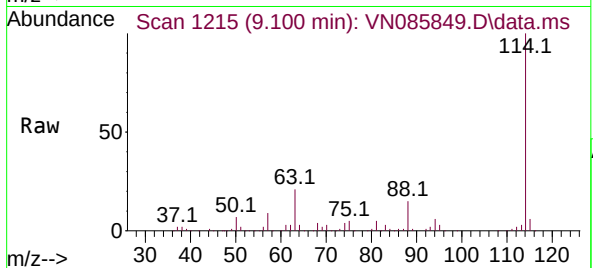
Tgt Ion:114 Resp: 423956

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.2

88 15.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 55.848 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085849.D

Acq: 25 Feb 2025 11:43

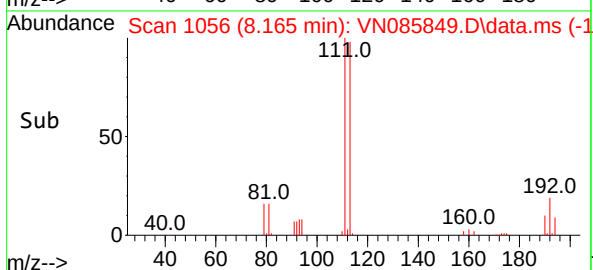
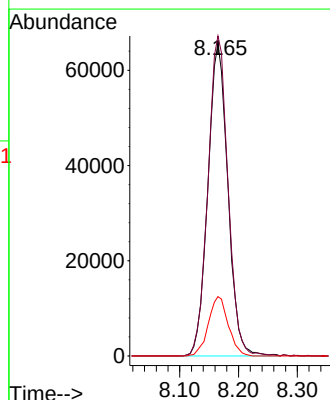
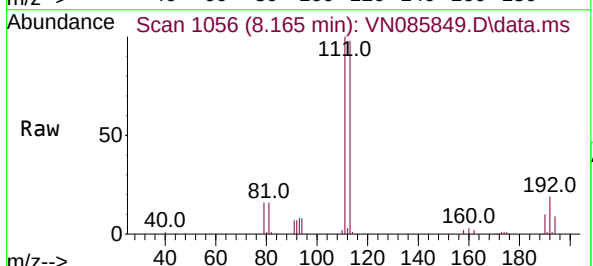
Tgt Ion:113 Resp: 154931

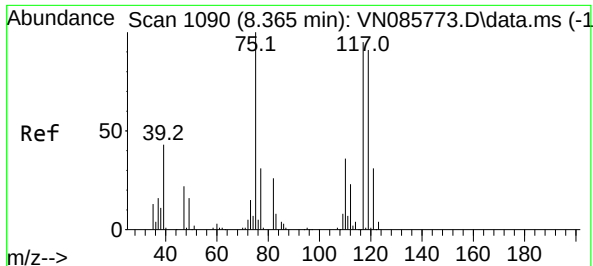
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 18.9 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.610 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085849.D

Acq: 25 Feb 2025 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBL01

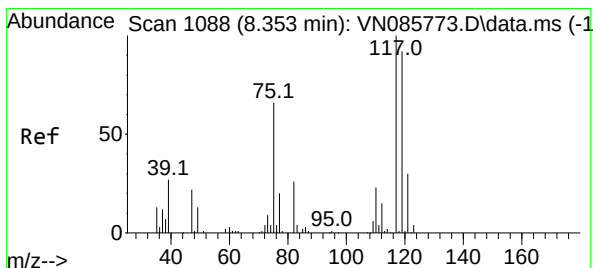
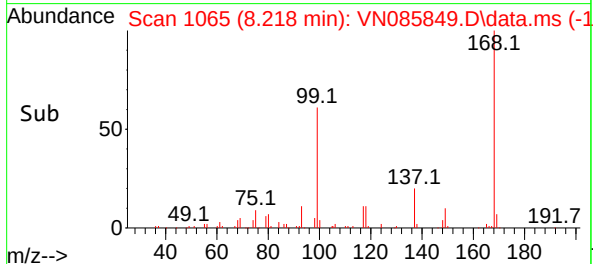
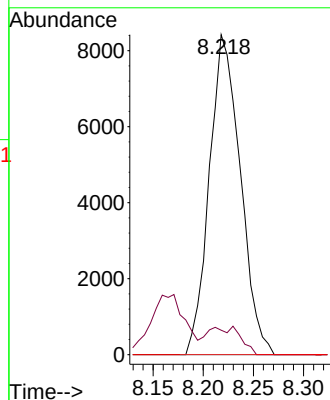
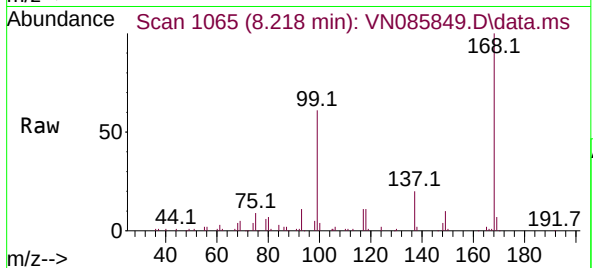
Tgt Ion: 75 Resp: 18101

Ion Ratio Lower Upper

75 100

110 9.4 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.129 min

Lab File: VN085849.D

Acq: 25 Feb 2025 11:43

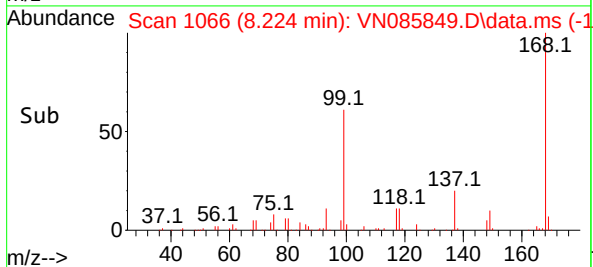
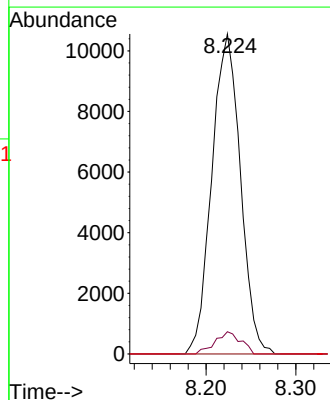
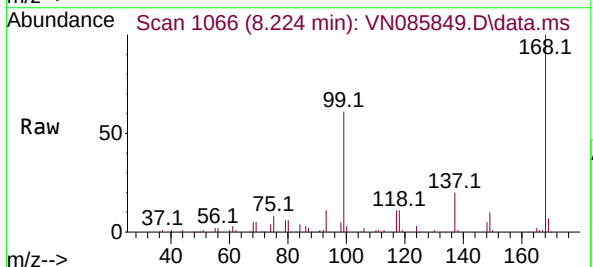
Tgt Ion: 117 Resp: 23325

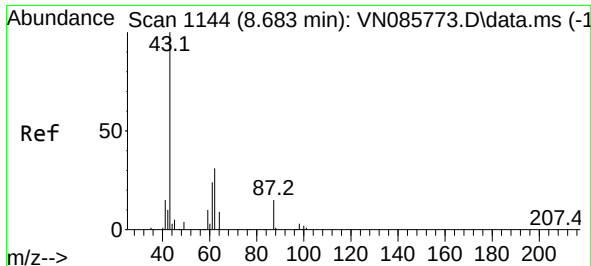
Ion Ratio Lower Upper

117 100

119 7.0 73.8 110.6#

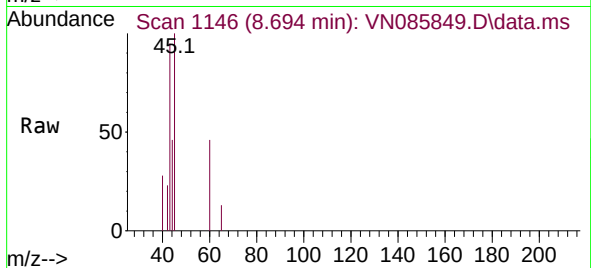
121 0.0 24.3 36.5#



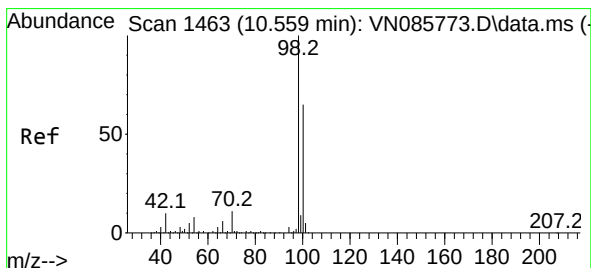
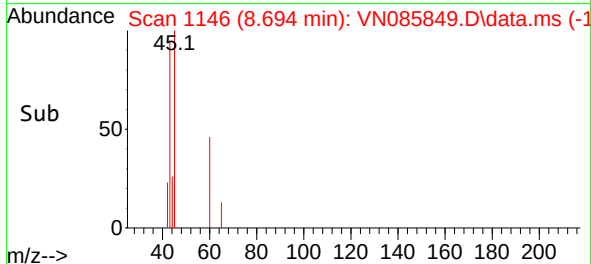


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.694 min Scan# 1144
Delta R.T. 0.011 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBL01

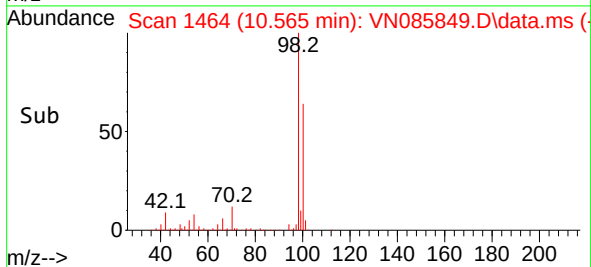
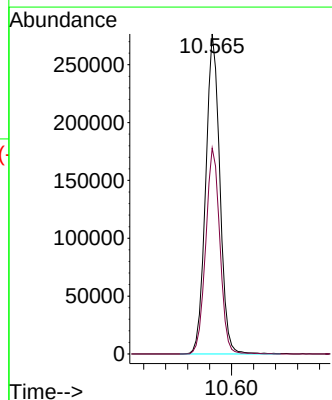
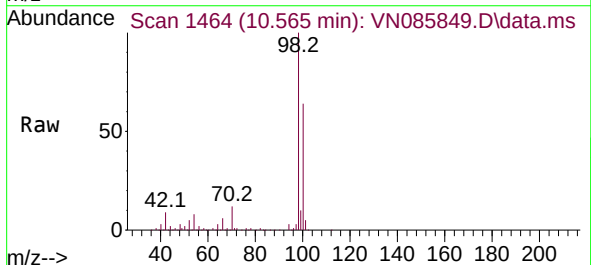


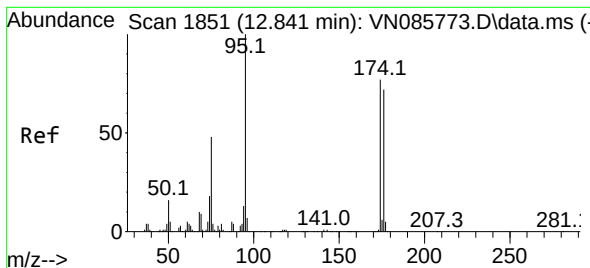
Tgt Ion: 43 Resp: 1825
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#



#50
Toluene-d8
Concen: 48.912 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

Tgt Ion: 98 Resp: 493684
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1

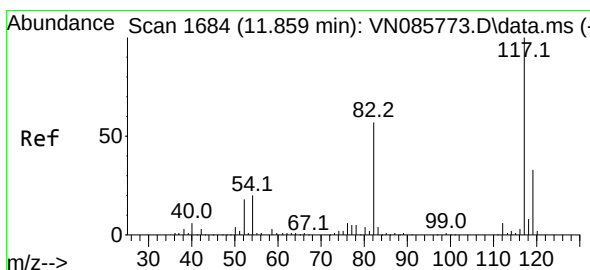
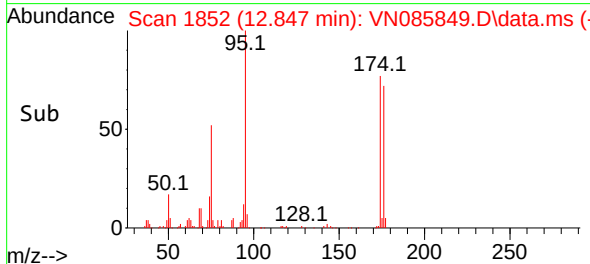
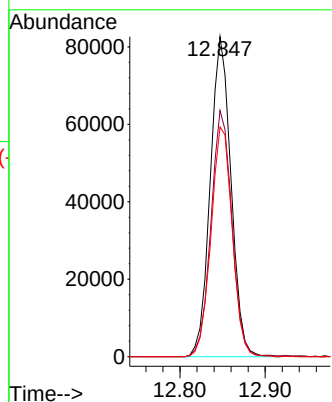
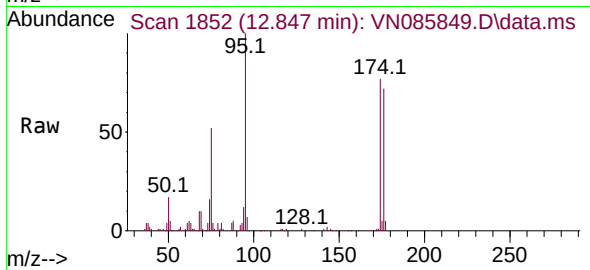




#62
4-Bromofluorobenzene
Concen: 41.916 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

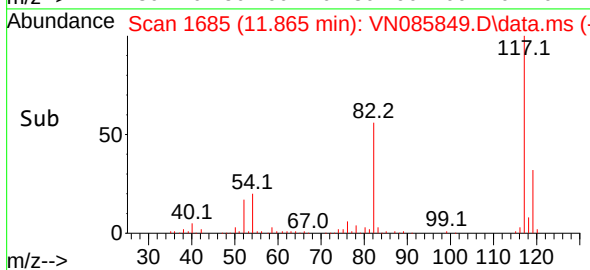
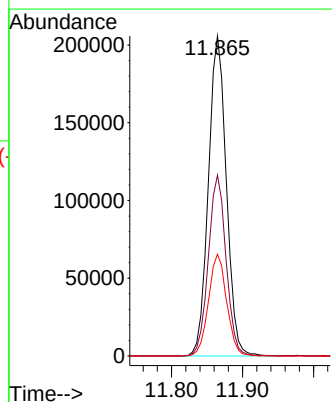
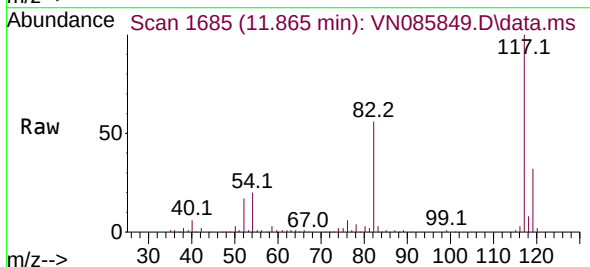
Instrument :
MSVOA_N
ClientSampleId :
VN0225WBL01

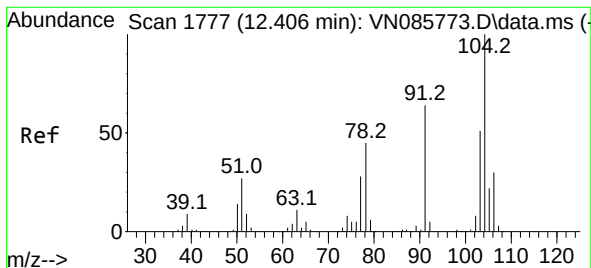
Tgt Ion: 95 Resp: 139391
Ion Ratio Lower Upper
95 100
174 78.1 0.0 152.4
176 73.5 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

Tgt Ion: 117 Resp: 361345
Ion Ratio Lower Upper
117 100
82 56.5 45.7 68.5
119 31.8 26.2 39.2





#70

Styrene

Concen: 0.593 ug/l

RT: 12.423 min Scan# 11

Delta R.T. 0.017 min

Lab File: VN085849.D

Acq: 25 Feb 2025 11:43

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBL01

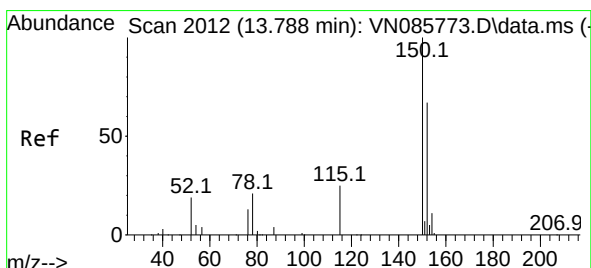
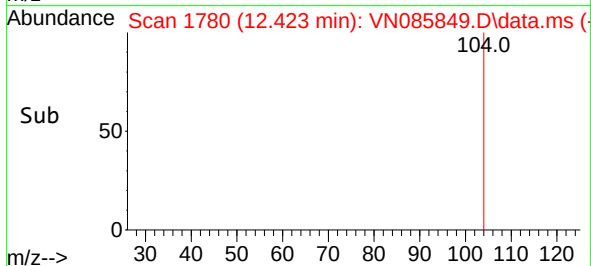
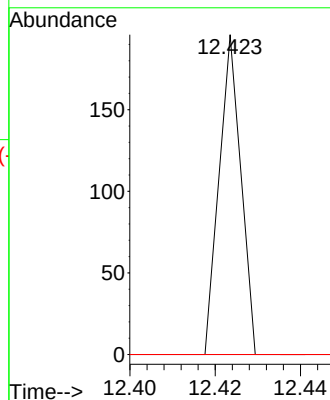
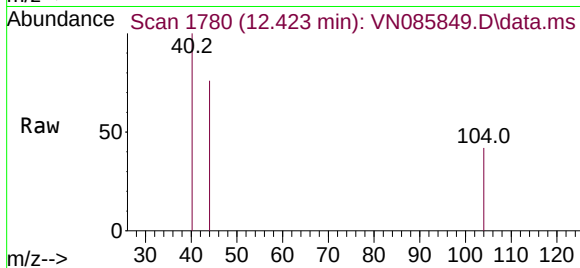
Tgt Ion:104 Resp: 69

Ion Ratio Lower Upper

104 100

78 0.0 39.0 58.6#

103 0.0 43.3 64.9#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085849.D

Acq: 25 Feb 2025 11:43

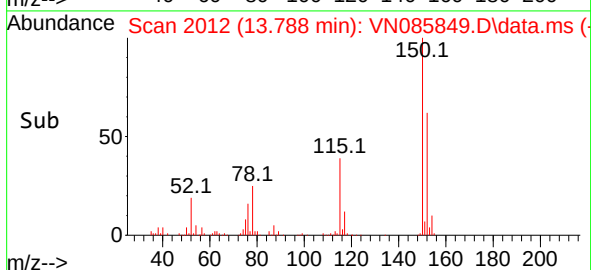
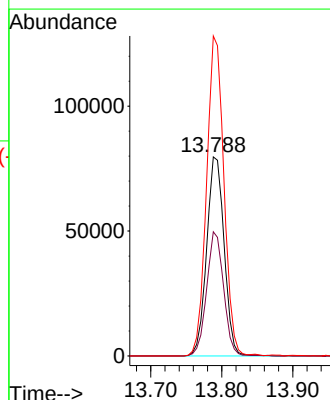
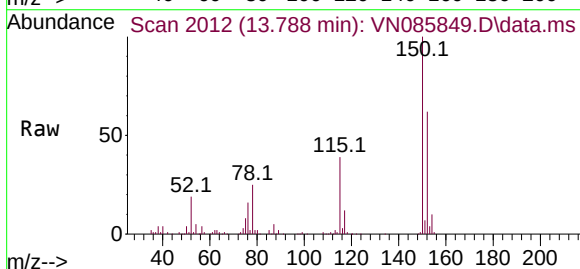
Tgt Ion:152 Resp: 136612

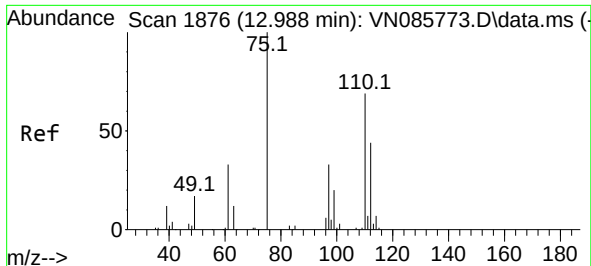
Ion Ratio Lower Upper

152 100

115 60.5 30.4 91.3

150 159.2 0.0 345.4

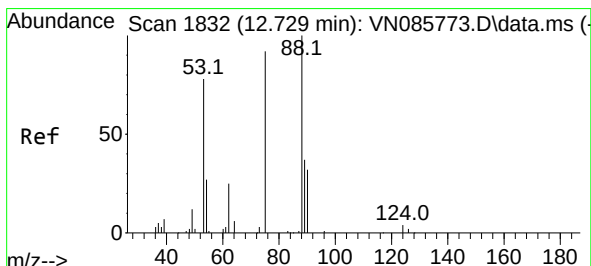
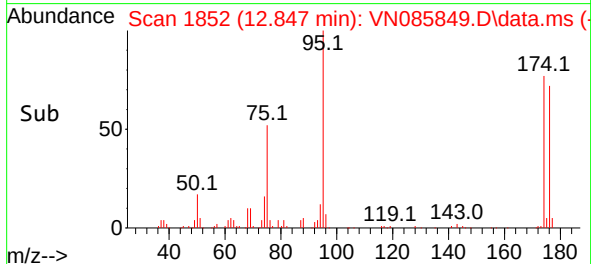
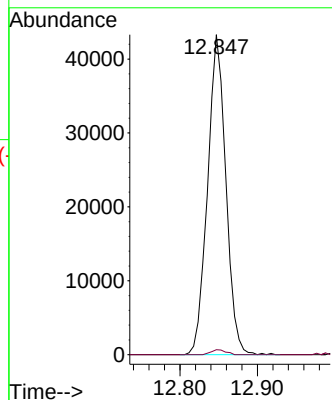
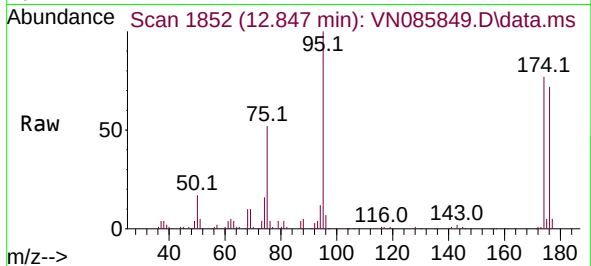




#76
1,2,3-Trichloropropane
Concen: 23.390 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

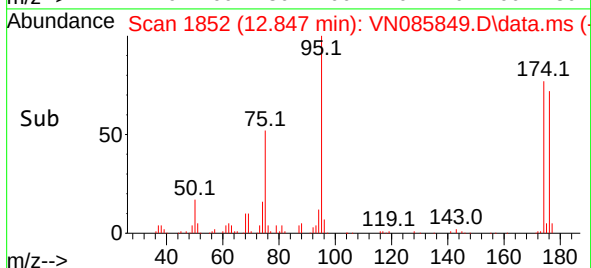
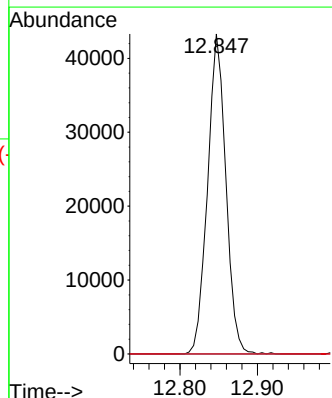
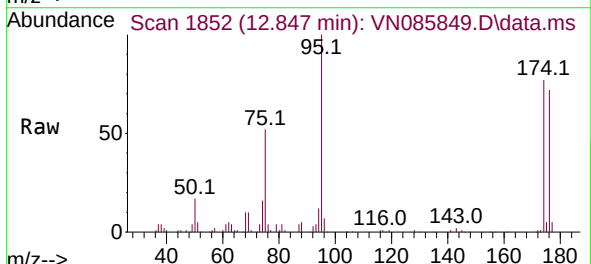
Instrument :
MSVOA_N
ClientSampleId :
VN0225WBL01

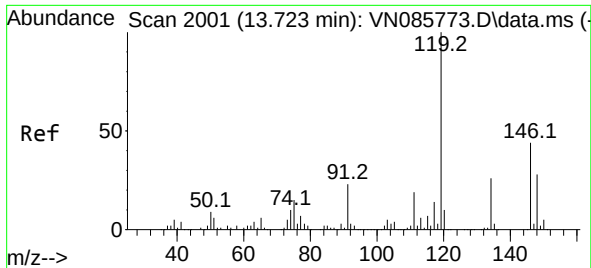
Tgt Ion: 75 Resp: 70979
Ion Ratio Lower Upper
75 100
77 1.3 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.246 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

Tgt Ion: 75 Resp: 70979
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#

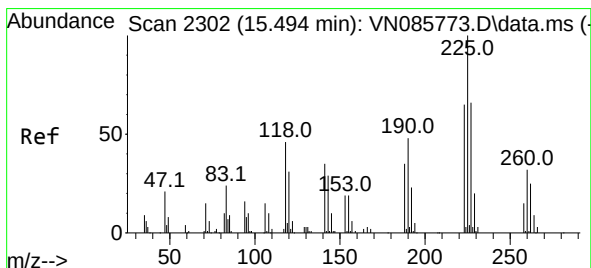
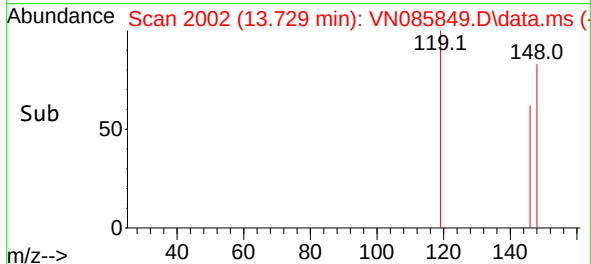
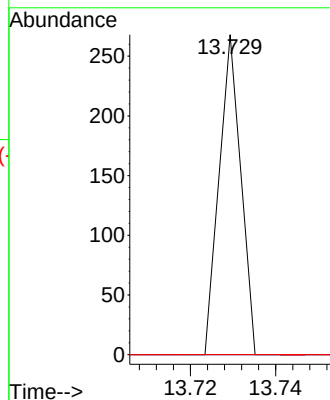
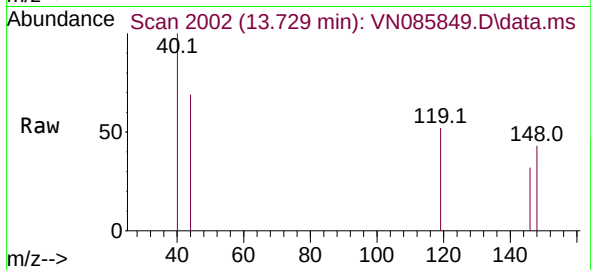




#86
p-Isopropyltoluene
Concen: 0.637 ug/l
RT: 13.729 min Scan# 2001
Delta R.T. 0.006 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

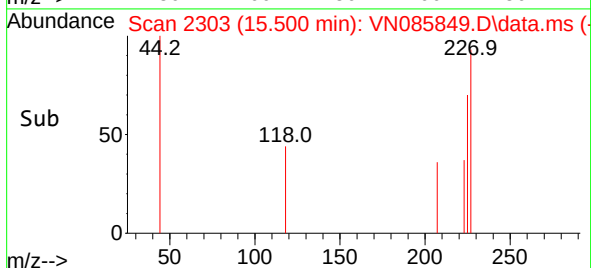
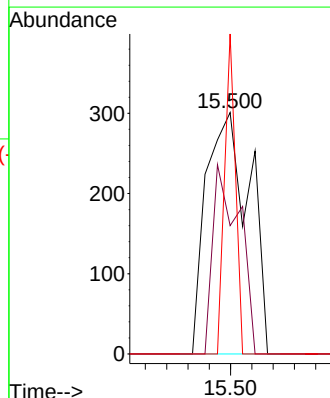
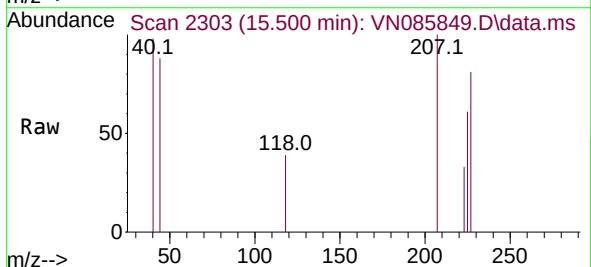
Instrument :
MSVOA_N
ClientSampleId :
VN0225WBL01

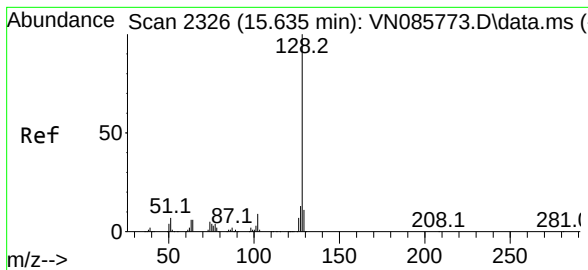
Tgt Ion:119 Resp: 95
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.7 35.1#



#94
Hexachlorobutadiene
Concen: 0.322 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085849.D
Acq: 25 Feb 2025 11:43

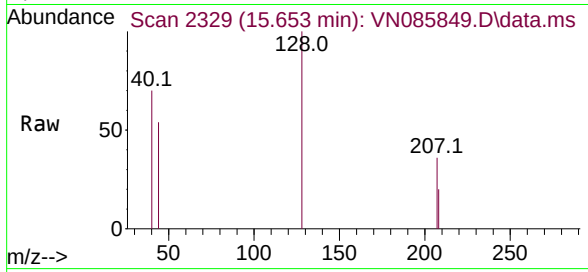
Tgt Ion:225 Resp: 425
Ion Ratio Lower Upper
225 100
223 48.2 31.9 95.5
227 33.2 32.2 96.6





#95
 Naphthalene
 Concen: 0.285 ug/l
 RT: 15.653 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VN085849.D
 Acq: 25 Feb 2025 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBL01



Tgt Ion:	128	Resp:	1700
Ion	Ratio	Lower	Upper
128	100		
127	7.5	10.2	15.2#
129	3.8	8.7	13.1#

