

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
 Data File : VN084507.D
 Acq On : 25 Oct 2024 11:27
 Operator : JC\MD
 Sample : VN1025WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBL01

Quant Time: Oct 26 05:28:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

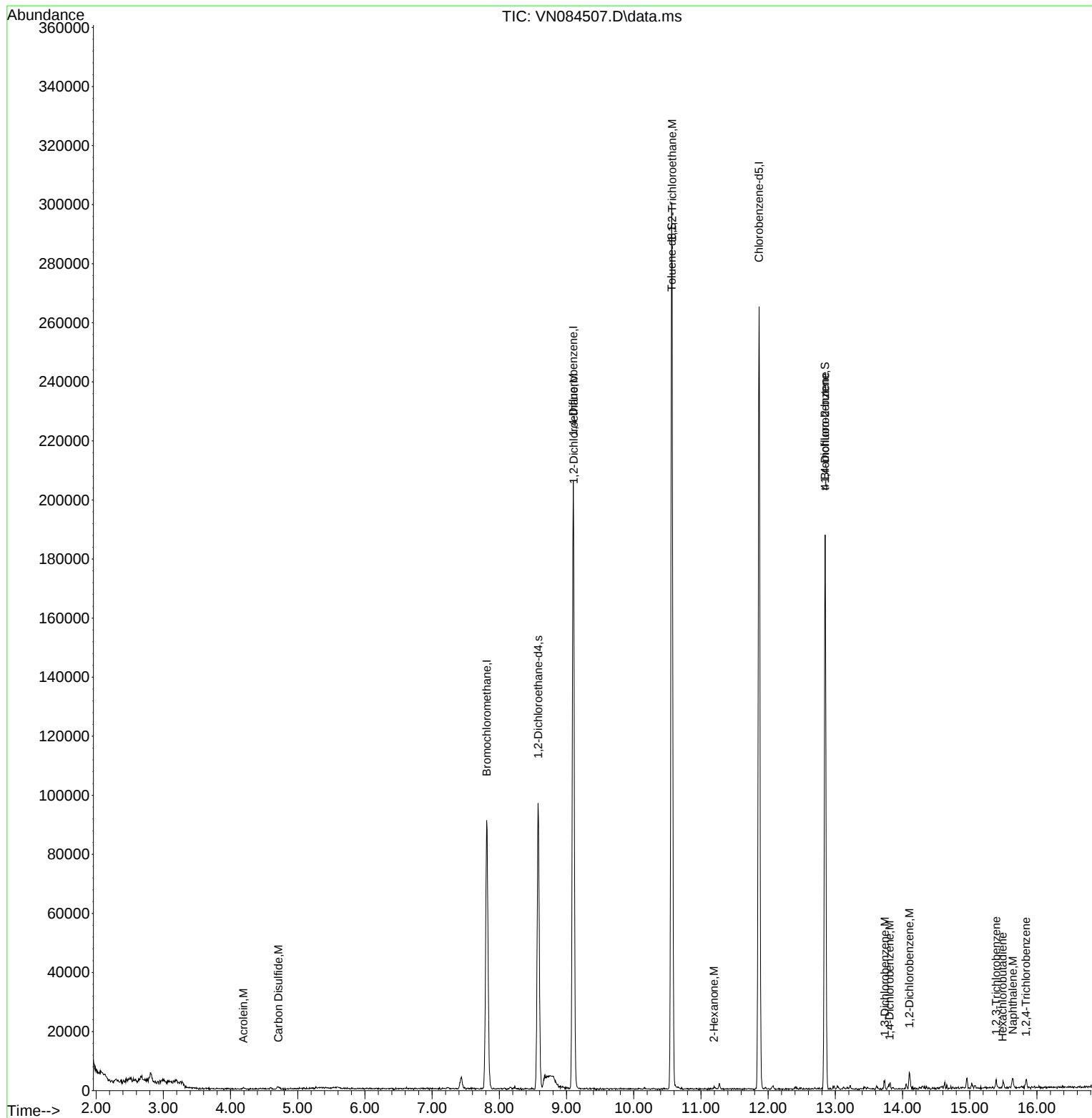
Internal Standards						
1) Bromochloromethane	7.812	128	32302	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	175246	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	150285	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	77974	29.983	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.933%
60) 4-Bromofluorobenzene	12.847	95	65032	26.219	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.400%
63) Toluene-d8	10.565	98	209499	30.091	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.300%
Target Compounds						
					Qvalue	
13) Acrolein	4.189	56	199	0.425	ug/l #	14
16) Carbon Disulfide	4.712	76	1663	0.278	ug/l #	75
36) 1,2-Dichloroethane	9.106	62	6251	2.083	ug/l #	75
50) 1,1,2-Trichloroethane	10.571	97	6815	3.304	ug/l #	1
59) 2-Hexanone	11.194	43	424	0.204	ug/l #	69
77) t-1,4-Dichloro-2-butene	12.847	75	34077	33.734	ug/l #	12
83) 1,3-Dichlorobenzene	13.735	146	875	0.218	ug/l	96
84) 1,4-Dichlorobenzene	13.806	146	959	0.240	ug/l	82
87) 1,2-Dichlorobenzene	14.100	146	814	0.210	ug/l	76
89) 1,2,4-Trichlorobenzene	15.835	180	1094	0.542	ug/l #	14
90) Hexachlorobutadiene	15.488	225	430	0.460	ug/l	84
91) Naphthalene	15.641	128	3992	0.583	ug/l #	86
92) 1,2,3-Trichlorobenzene	15.394	180	1232	0.610	ug/l	48

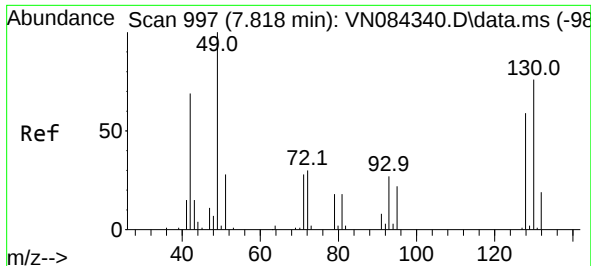
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
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ALS Vial : 1 Sample Multiplier: 1

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VN1025WBL01

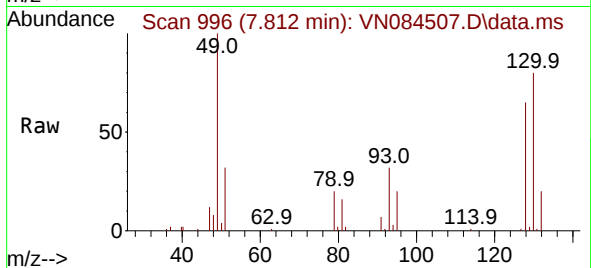
Quant Time: Oct 26 05:28:03 2024
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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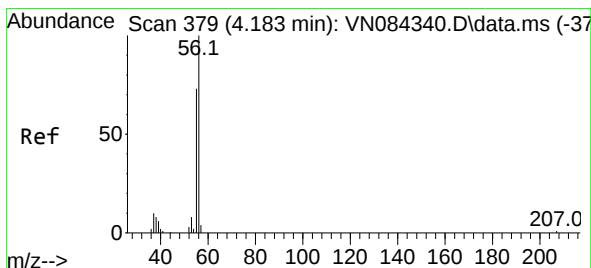
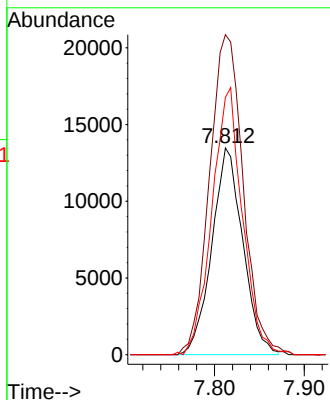
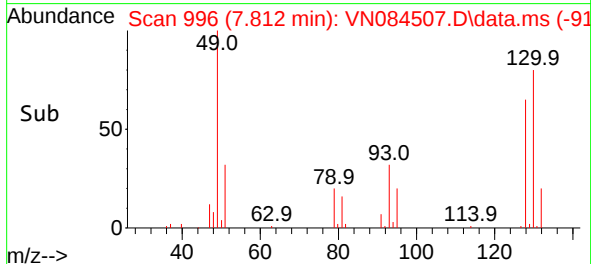


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL01

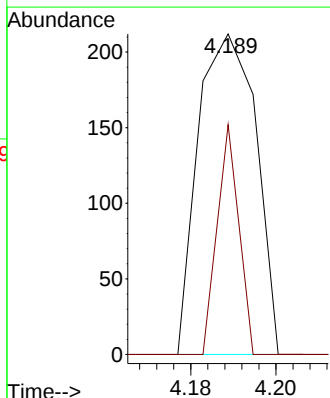
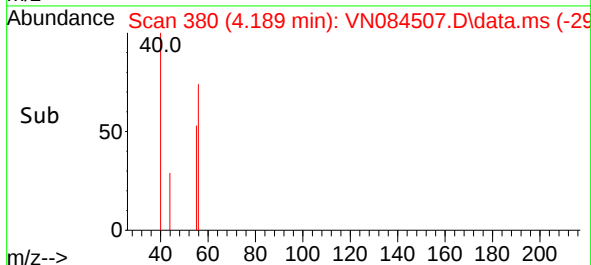
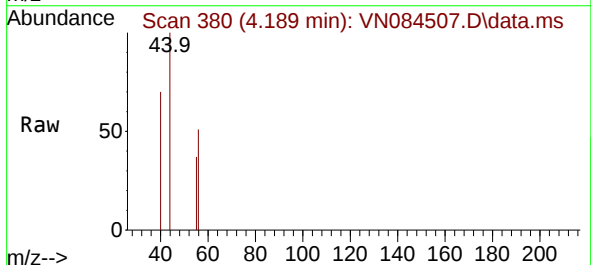


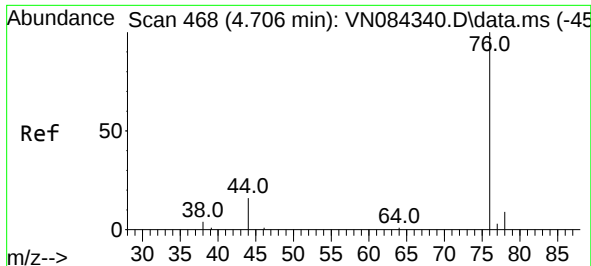
Tgt Ion:128 Resp: 32302
Ion Ratio Lower Upper
128 100
49 168.1 0.0 430.0
130 127.3 0.0 329.8



#13
Acrolein
Concen: 0.425 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.006 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Tgt Ion: 56 Resp: 199
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

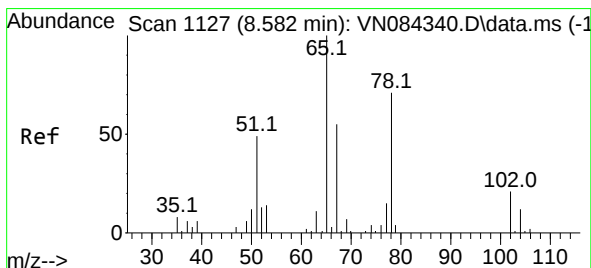
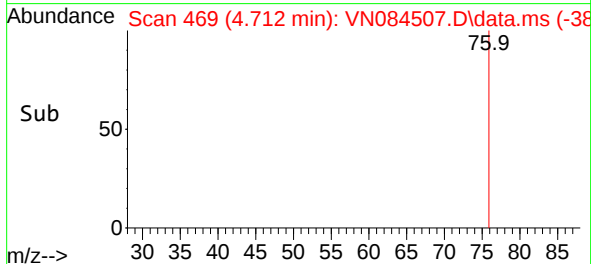
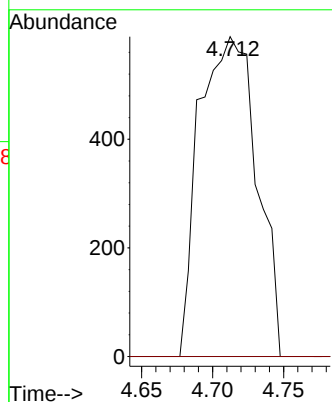
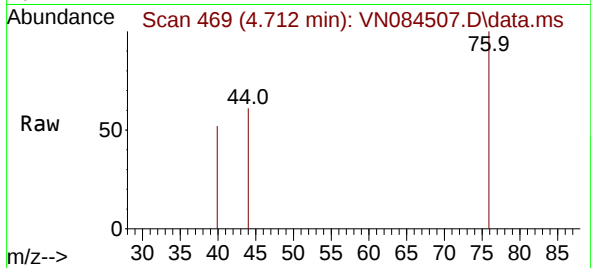




#16
Carbon Disulfide
Concen: 0.278 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

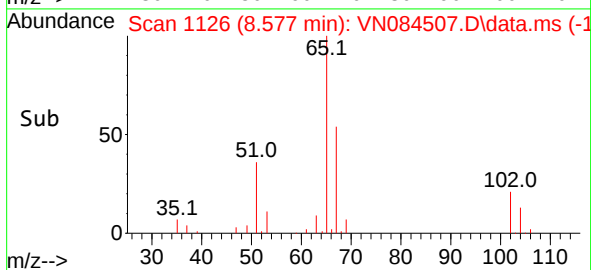
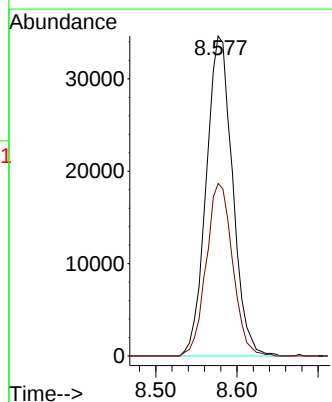
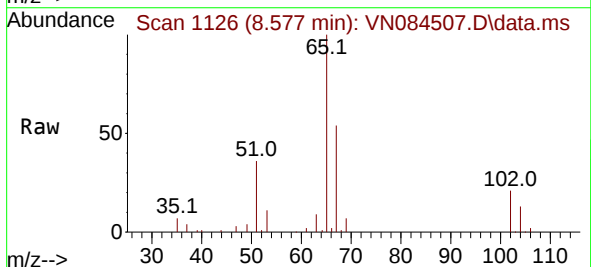
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL01

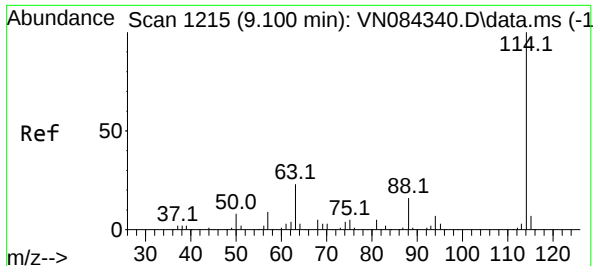
Tgt Ion: 76 Resp: 1663
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#27
1,2-Dichloroethane-d4
Concen: 29.983 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Tgt Ion: 65 Resp: 77974
Ion Ratio Lower Upper
65 100
67 54.1 41.5 62.3

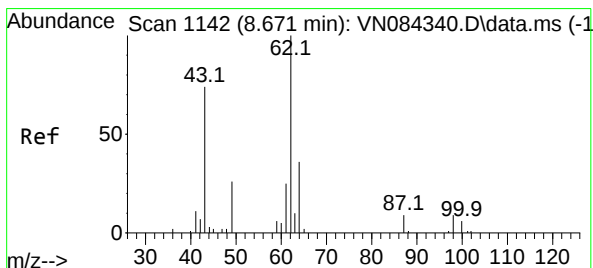
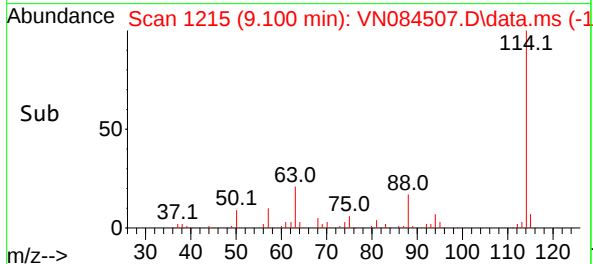
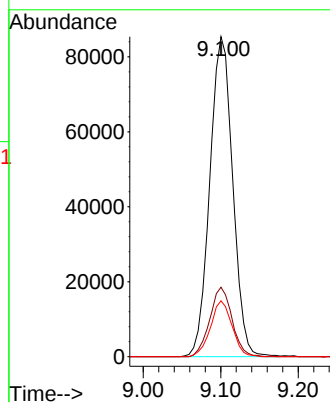
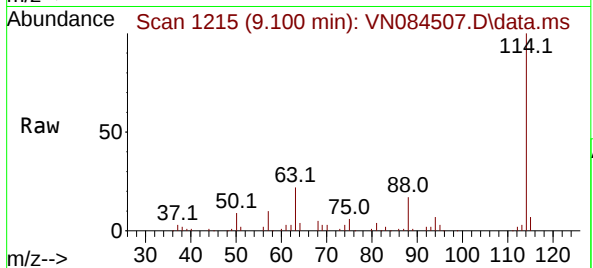




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

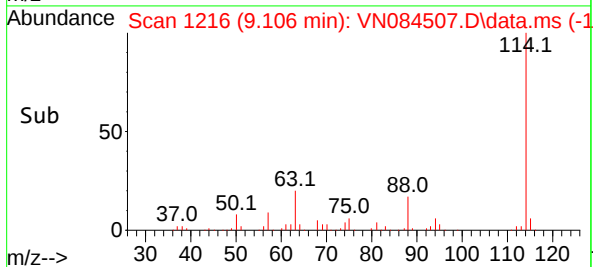
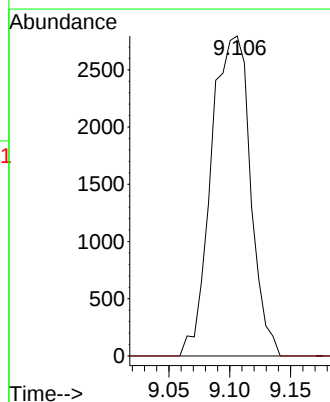
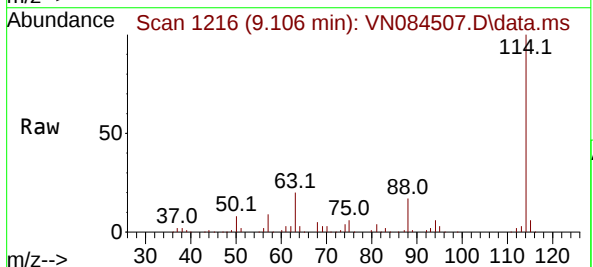
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL01

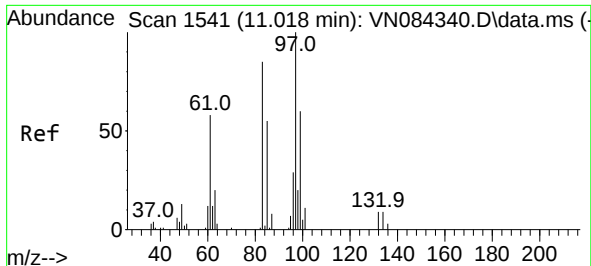
Tgt Ion:114 Resp: 175246
Ion Ratio Lower Upper
114 100
63 21.1 17.4 26.0
88 16.4 13.2 19.8



#36
1,2-Dichloroethane
Concen: 2.083 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.435 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Tgt Ion: 62 Resp: 6251
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#

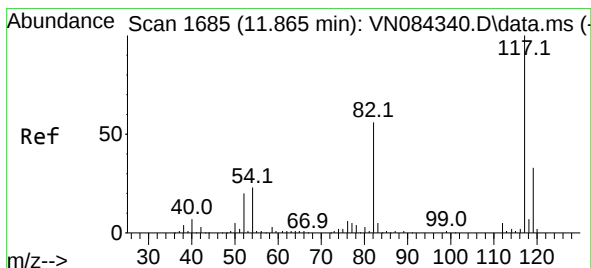
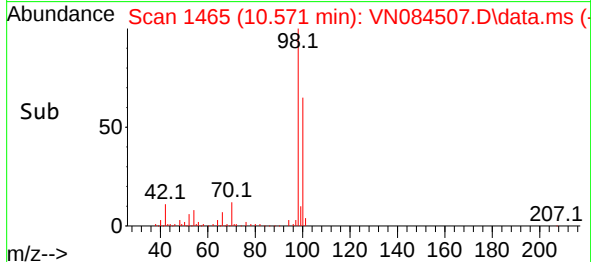
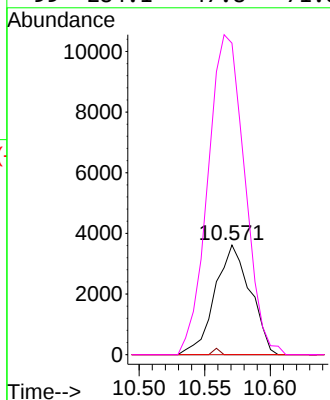
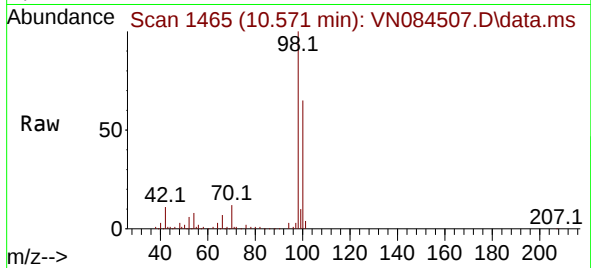




#50
1,1,2-Trichloroethane
Concen: 3.304 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

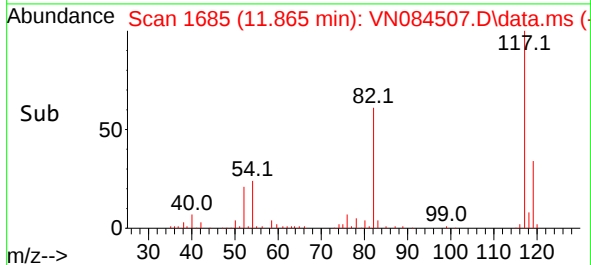
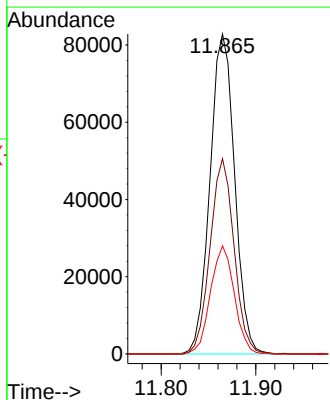
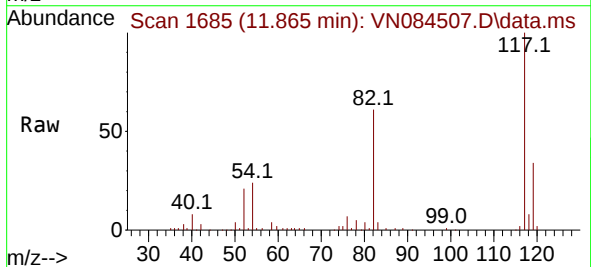
Instrument :
MSVOA_N
ClientSampleId :
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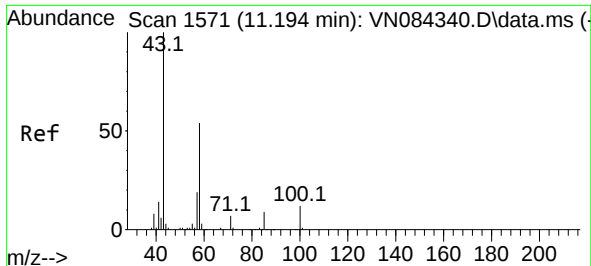
Tgt Ion: 97	Resp: 6815
Ion Ratio	Lower Upper
97 100	
83 0.0	67.8 101.8#
85 0.0	44.2 66.2#
99 284.1	47.8 71.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Tgt Ion: 117	Resp: 150285
Ion Ratio	Lower Upper
117 100	
82 59.1	46.2 69.4
119 32.6	25.4 38.2

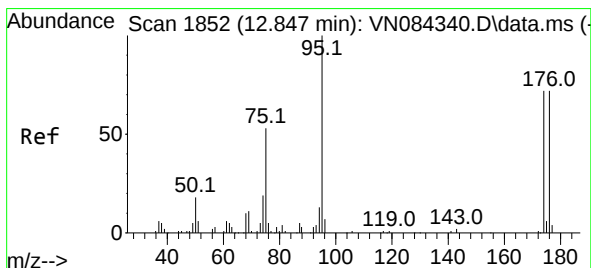
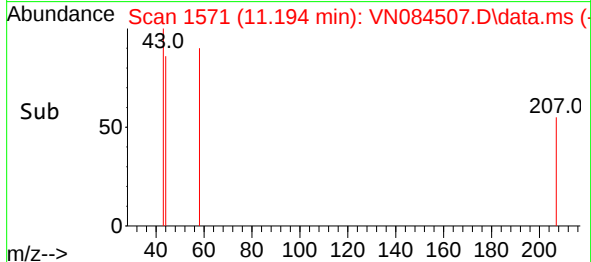
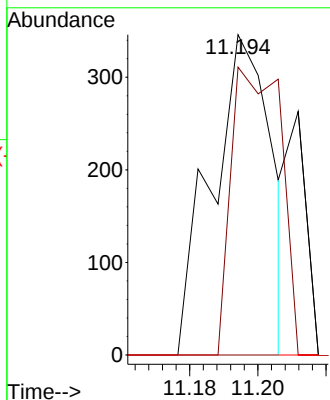
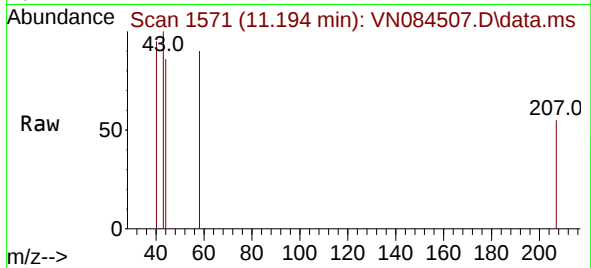




#59
2-Hexanone
Concen: 0.204 ug/l
RT: 11.194 min Scan# 1119
Delta R.T. 0.000 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

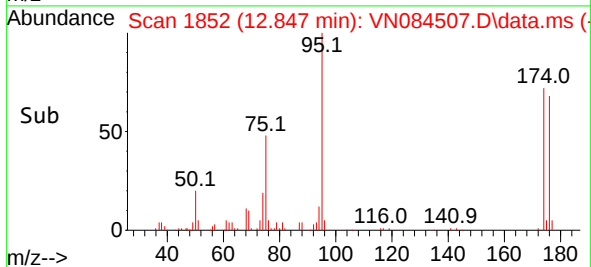
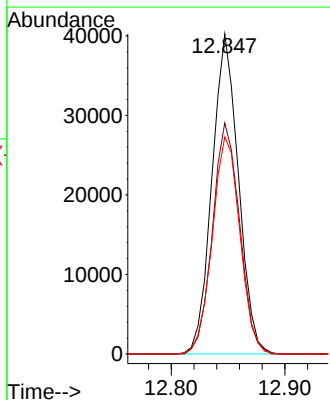
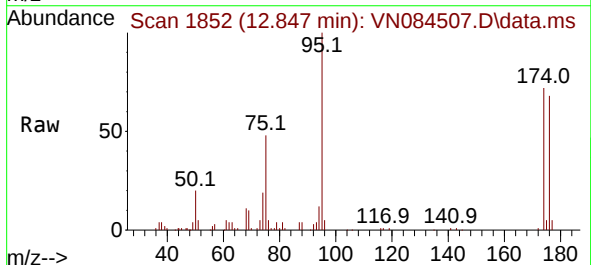
Instrument :
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ClientSampleId :
VN1025WBL01

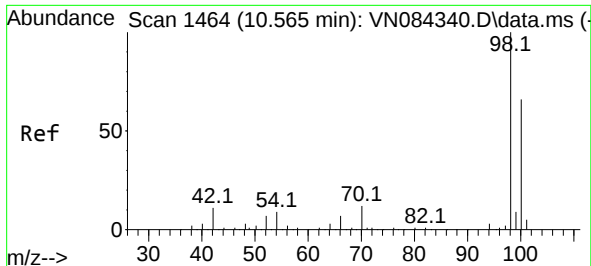
Tgt Ion: 43 Resp: 424
Ion Ratio Lower Upper
43 100
58 74.3 44.0 66.0#
57 0.0 15.4 23.2#



#60
4-Bromofluorobenzene
Concen: 26.219 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Tgt Ion: 95 Resp: 65032
Ion Ratio Lower Upper
95 100
174 73.9 58.2 87.2
176 70.7 56.4 84.6

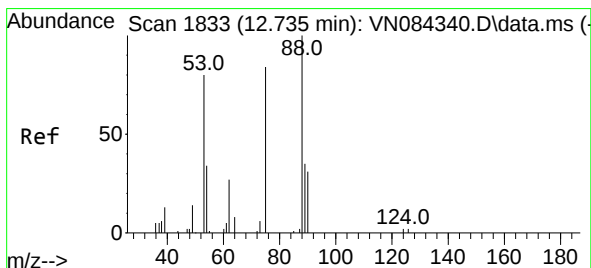
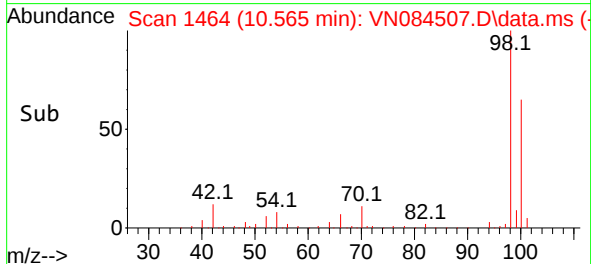
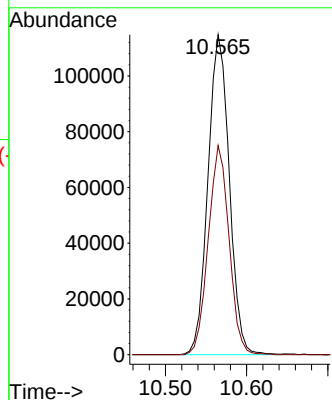
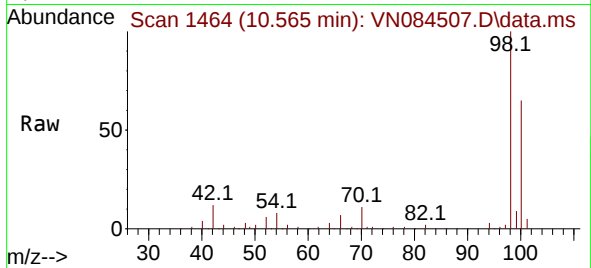




#63
Toluene-d8
Concen: 30.091 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

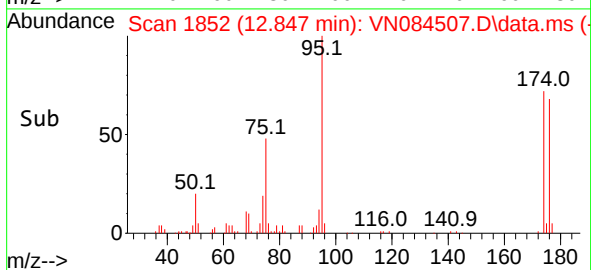
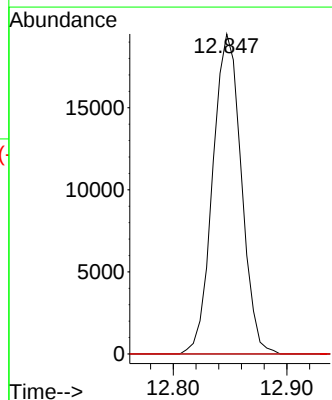
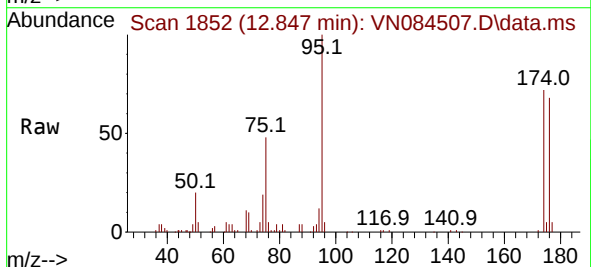
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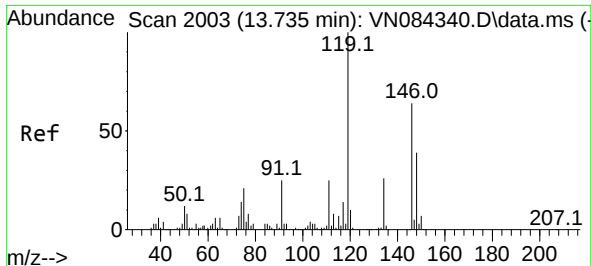
Tgt Ion: 98 Resp: 209499
Ion Ratio Lower Upper
98 100
100 63.7 52.5 78.7



#77
t-1,4-Dichloro-2-butene
Concen: 33.734 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Tgt Ion: 75 Resp: 34077
Ion Ratio Lower Upper
75 100
53 0.0 47.3 142.0#
89 0.0 22.9 68.8#

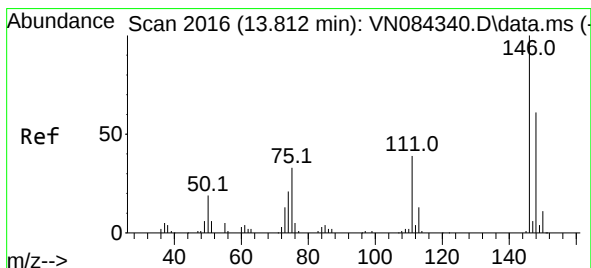
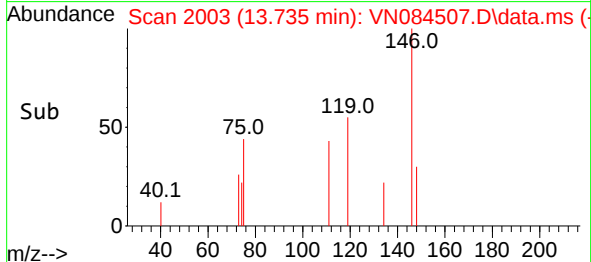
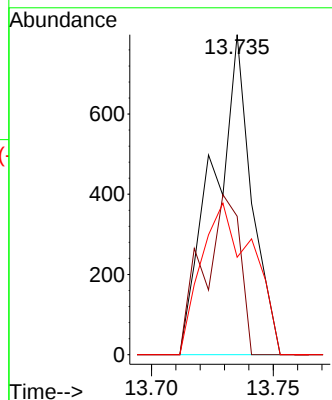
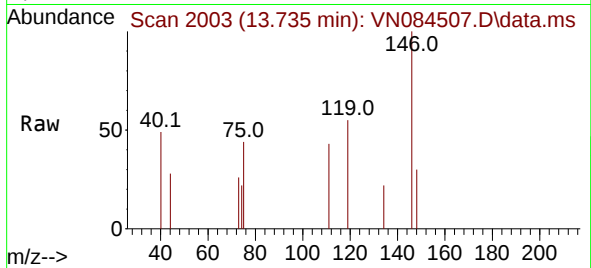




#83
1,3-Dichlorobenzene
Concen: 0.218 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

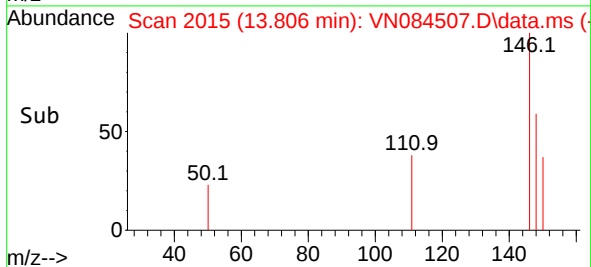
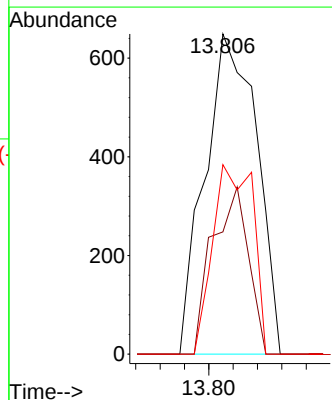
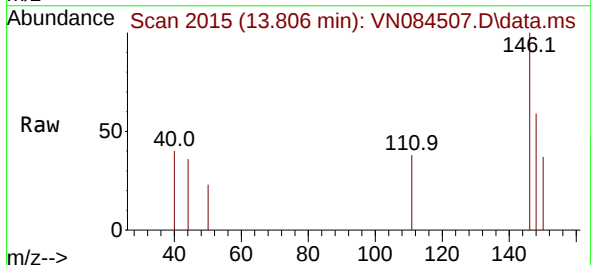
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL01

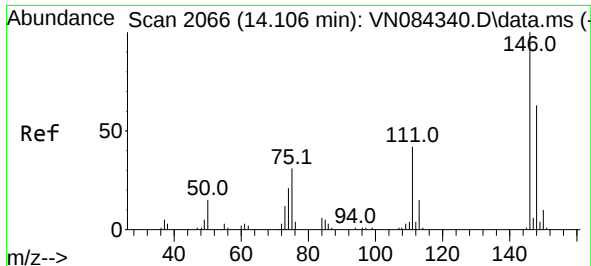
Tgt Ion:146 Resp: 875
Ion Ratio Lower Upper
146 100
111 47.2 20.6 61.9
148 63.2 31.6 94.7



#84
1,4-Dichlorobenzene
Concen: 0.240 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Tgt Ion:146 Resp: 959
Ion Ratio Lower Upper
146 100
111 36.4 20.5 61.5
148 46.0 32.5 97.4





#87

1,2-Dichlorobenzene

Concen: 0.210 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN084507.D

Acq: 25 Oct 2024 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBL01

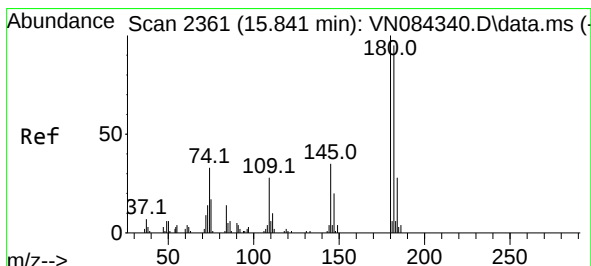
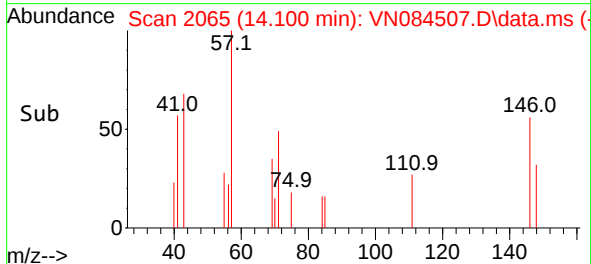
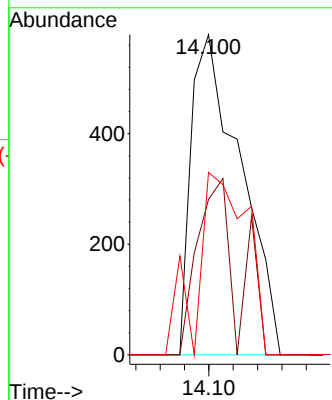
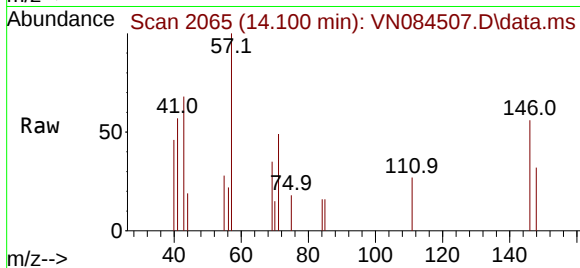
Tgt Ion:146 Resp: 814

Ion Ratio Lower Upper

146 100

111 34.0 21.9 65.5

148 38.3 31.1 93.5



#89

1,2,4-Trichlorobenzene

Concen: 0.542 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN084507.D

Acq: 25 Oct 2024 11:27

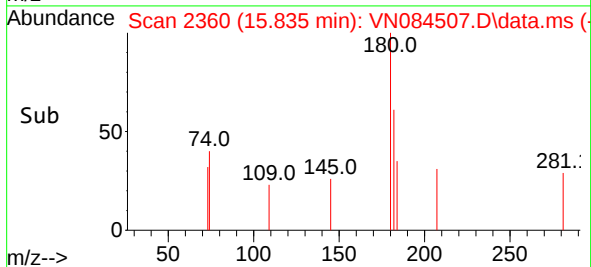
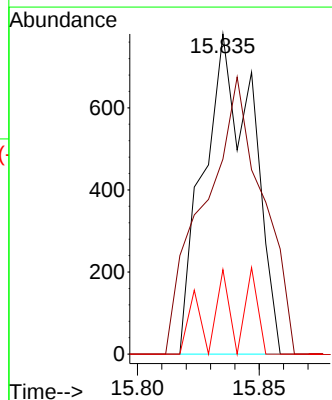
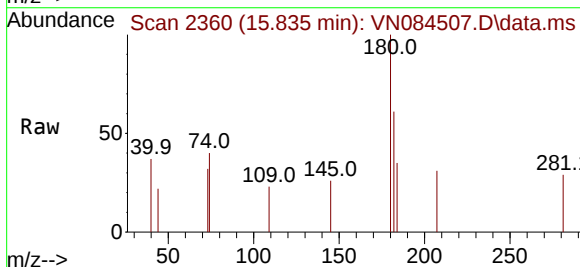
Tgt Ion:180 Resp: 1094

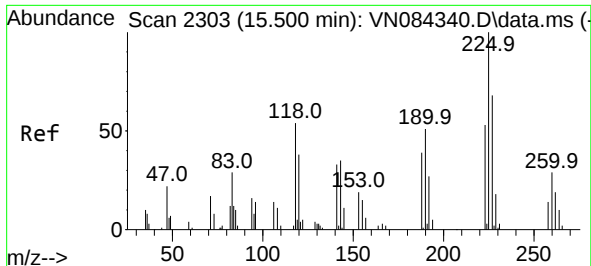
Ion Ratio Lower Upper

180 100

182 0.0 77.8 116.6#

145 6.7 28.9 43.3#

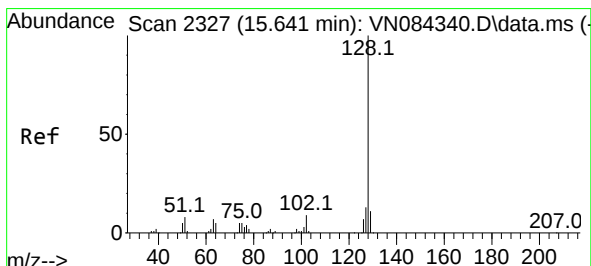
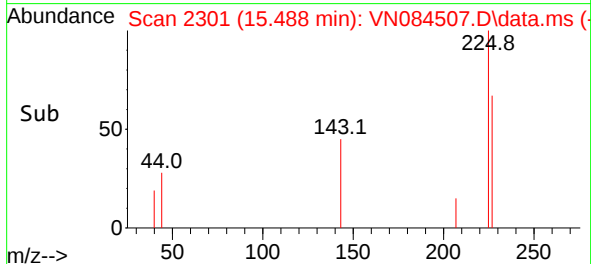
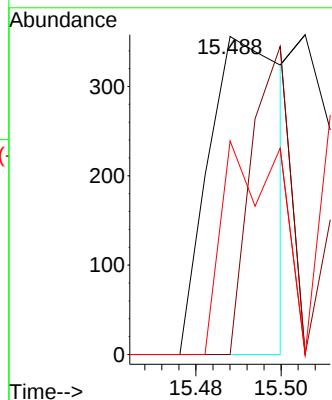
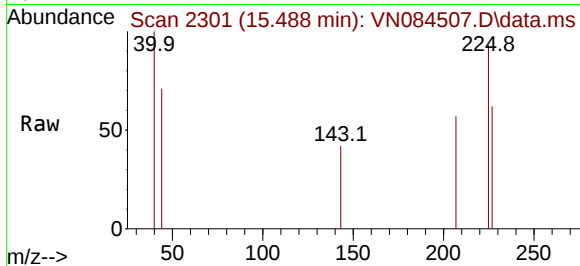




#90
Hexachlorobutadiene
Concen: 0.460 ug/l
RT: 15.488 min Scan# 2301
Delta R.T. -0.012 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

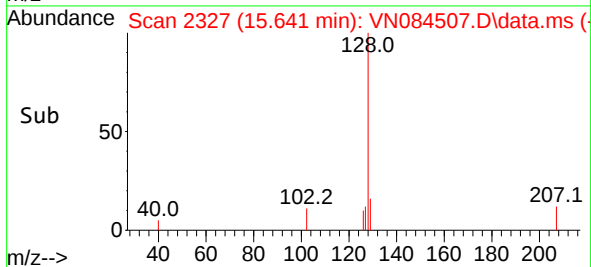
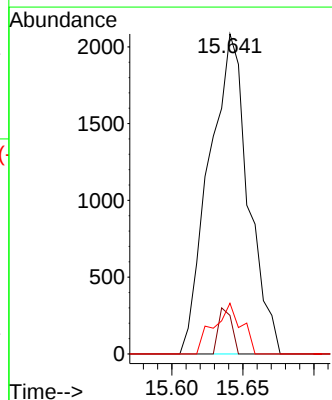
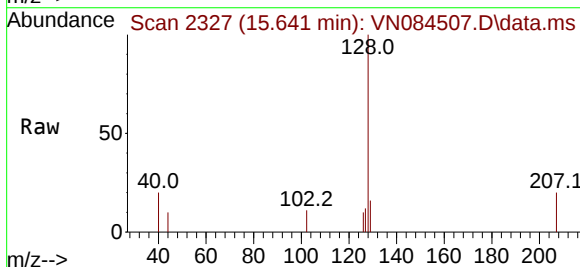
Instrument :
MSVOA_N
ClientSampleId :
VN1025WBL01

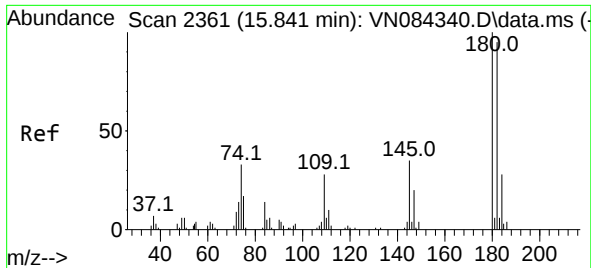
Tgt Ion:225 Resp: 430
Ion Ratio Lower Upper
225 100
223 50.0 0.0 124.0
227 52.3 0.0 130.8



#91
Naphthalene
Concen: 0.583 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN084507.D
Acq: 25 Oct 2024 11:27

Tgt Ion:128 Resp: 3992
Ion Ratio Lower Upper
128 100
127 4.9 10.3 15.5#
129 8.1 8.8 13.2#





#92

1,2,3-Trichlorobenzene

Concen: 0.610 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.447 min

Lab File: VN084507.D

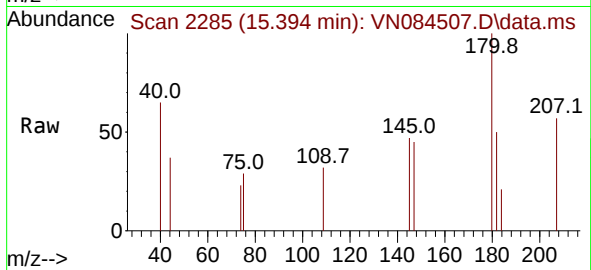
Acq: 25 Oct 2024 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBL01



Tgt Ion:180 Resp: 1232

Ion Ratio Lower Upper

180 100

182 40.3 0.0 194.4

145 15.3 0.0 72.2

