

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085126.D
 Acq On : 06 Dec 2024 14:40
 Operator : JC\MD
 Sample : VN1206WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 23:08:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

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

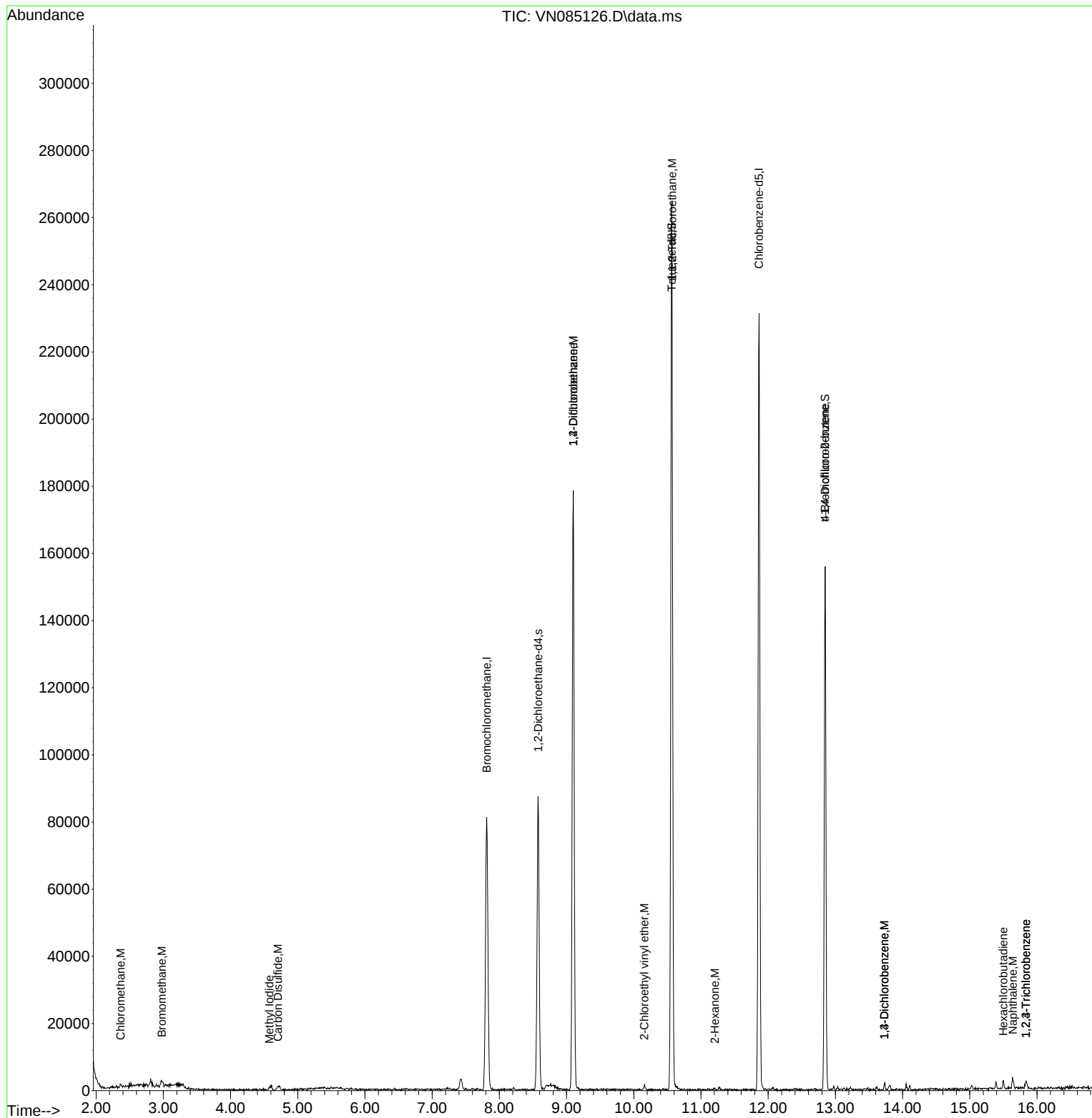
Internal Standards						
1) Bromochloromethane	7.812	128	29636	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	149919	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	136142	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	72228	30.715	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.400%
60) 4-Bromofluorobenzene	12.847	95	54751	24.306	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.033%
63) Toluene-d8	10.565	98	185417	29.034	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.767%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	616	0.294	ug/l #	43
5) Bromomethane	2.977	94	1280	0.939	ug/l #	69
11) Methyl Iodide	4.577	142	620	0.248	ug/l #	39
16) Carbon Disulfide	4.706	76	2526	0.468	ug/l #	75
36) 1,2-Dichloroethane	9.100	62	5612	2.169	ug/l #	75
50) 1,1,2-Trichloroethane	10.570	97	5873	3.301	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.159	63	665	0.529	ug/l #	72
59) 2-Hexanone	11.206	43	553	0.328	ug/l #	33
77) t-1,4-Dichloro-2-butene	12.847	75	28605	33.355	ug/l #	10
83) 1,3-Dichlorobenzene	13.729	146	786	0.218	ug/l	97
84) 1,4-Dichlorobenzene	13.729	146	786	0.224	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	1286	0.771	ug/l #	60
90) Hexachlorobutadiene	15.500	225	888	1.025	ug/l	62
91) Naphthalene	15.641	128	3967	0.766	ug/l #	85
92) 1,2,3-Trichlorobenzene	15.835	180	1286	0.771	ug/l	60

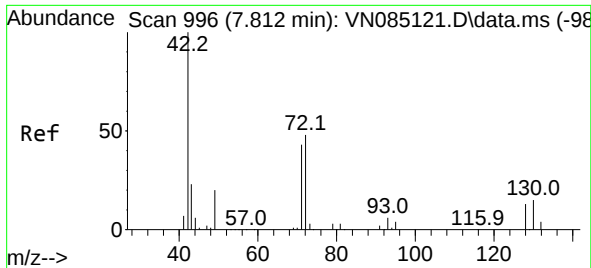
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN085126.D
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

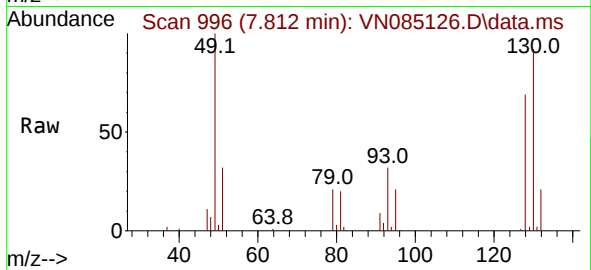
Quant Time: Dec 06 23:08:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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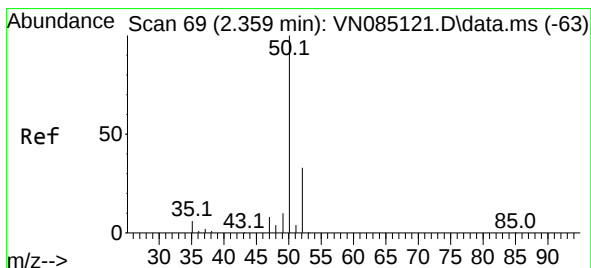
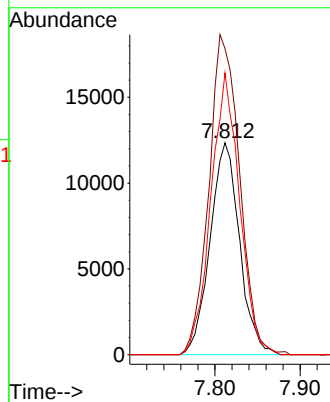
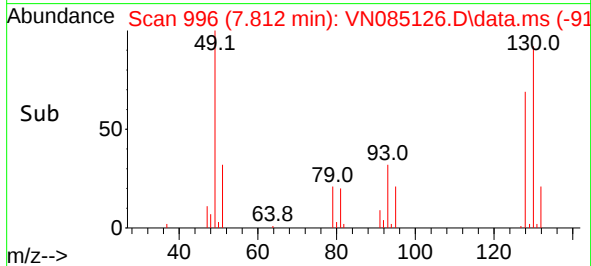


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40

Instrument :
MSVOA_N
ClientSampleId :

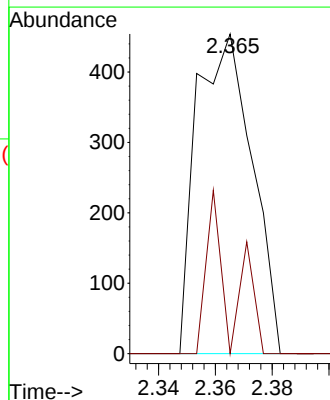
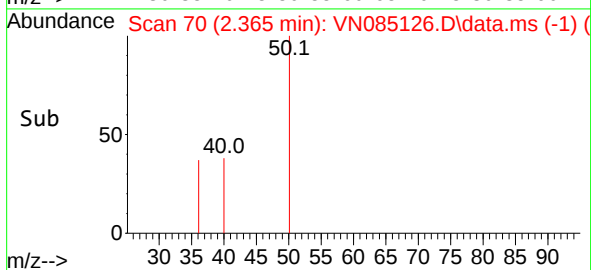
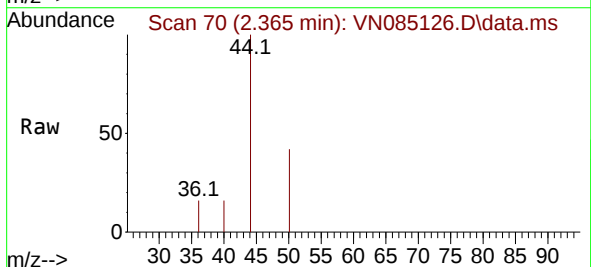


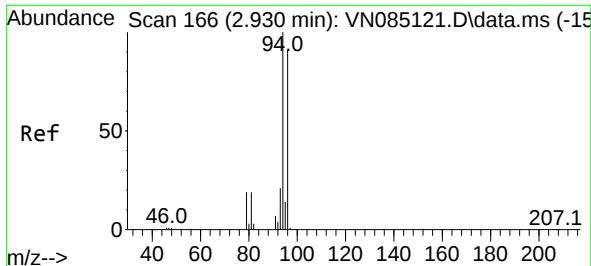
Tgt Ion:128 Resp: 29636
Ion Ratio Lower Upper
128 100
49 157.4 0.0 394.5
130 129.9 0.0 316.5



#3
Chloromethane
Concen: 0.294 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40

Tgt Ion: 50 Resp: 616
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

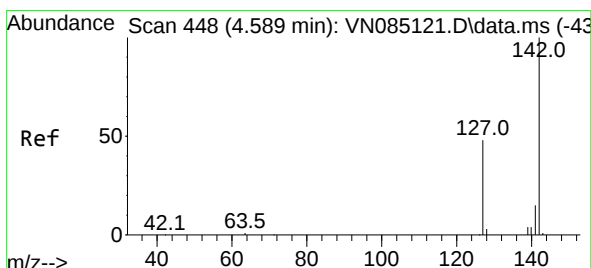
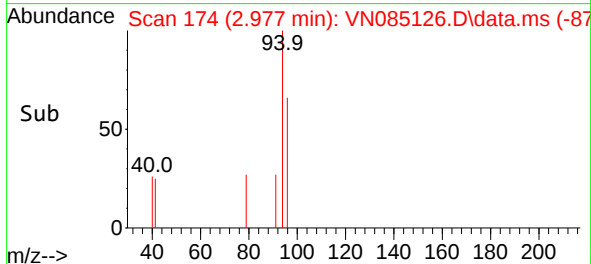
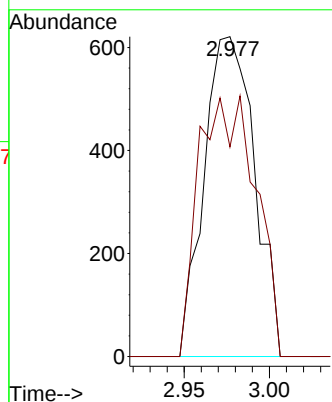
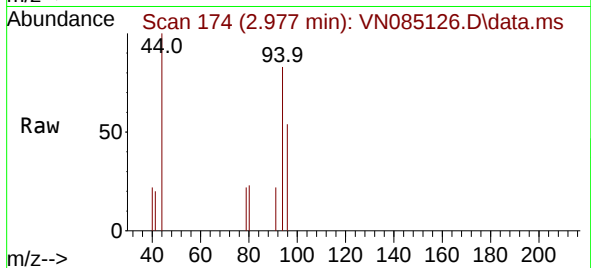




#5
Bromomethane
Concen: 0.939 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40

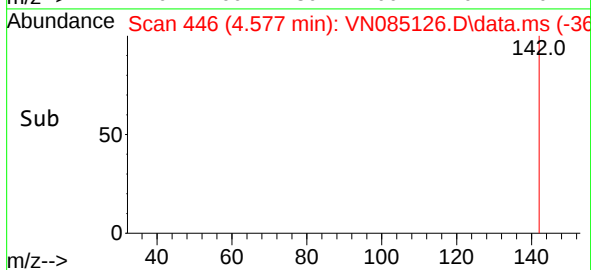
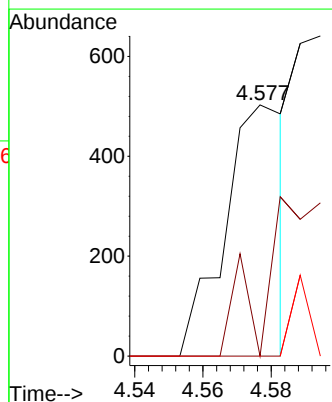
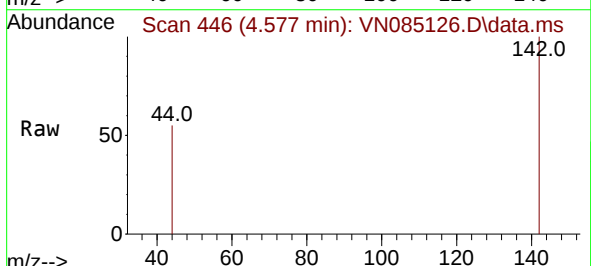
Instrument :
MSVOA_N
ClientSampleId :

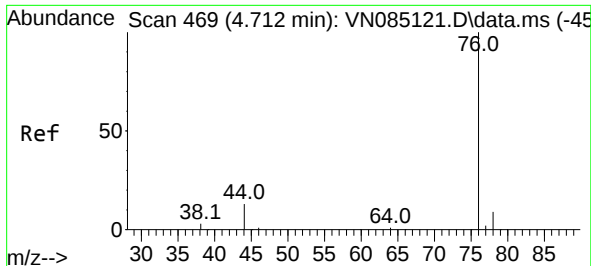
Tgt Ion: 94 Resp: 1280
Ion Ratio Lower Upper
94 100
96 65.5 76.2 114.4#



#11
Methyl Iodide
Concen: 0.248 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.012 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40

Tgt Ion: 142 Resp: 620
Ion Ratio Lower Upper
142 100
127 0.0 22.5 67.5#
141 0.0 8.3 24.9#

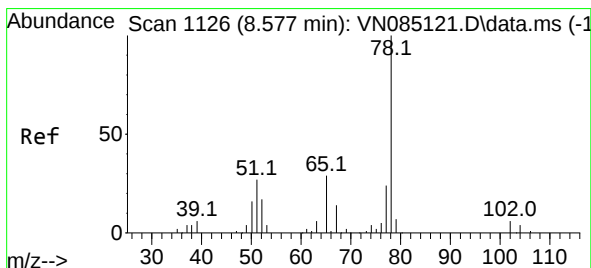
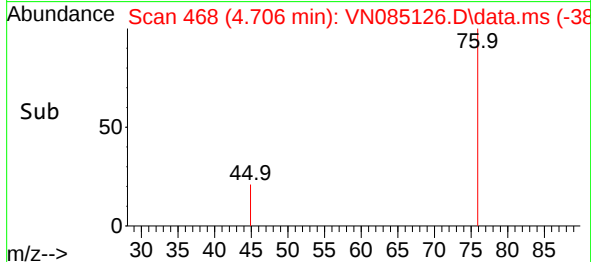
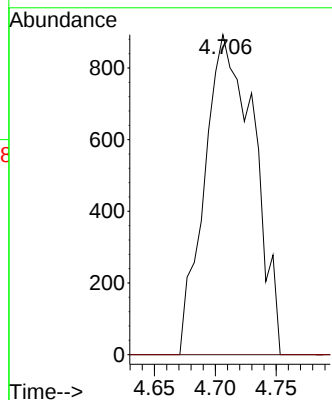
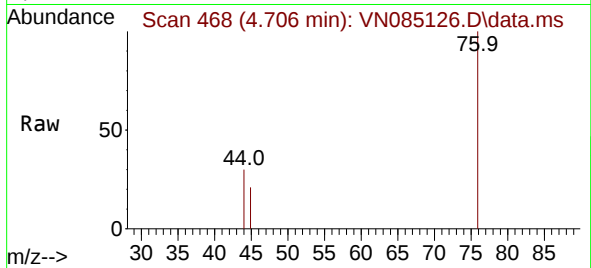




#16
Carbon Disulfide
Concen: 0.468 ug/l
RT: 4.706 min Scan# 469
Delta R.T. -0.006 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40

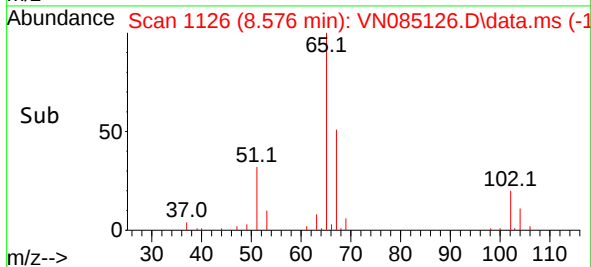
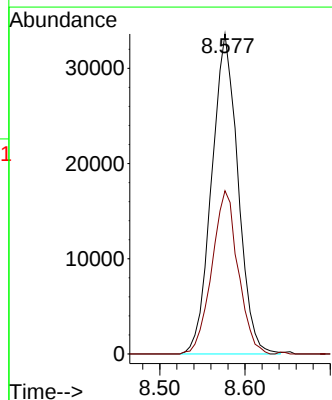
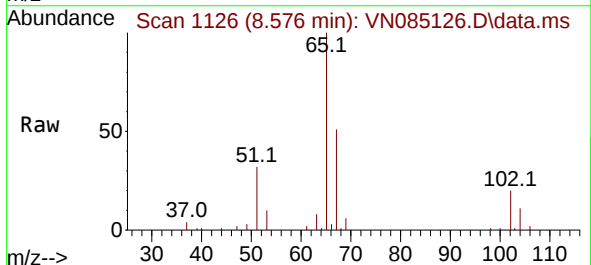
Instrument :
MSVOA_N
ClientSampleId :

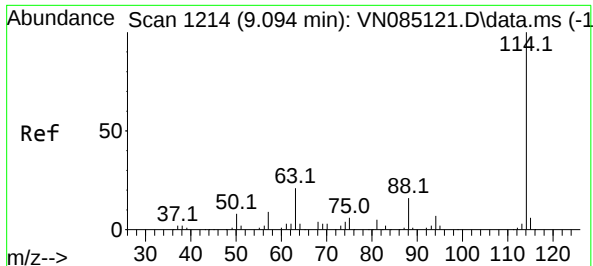
Tgt Ion: 76 Resp: 2526
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#27
1,2-Dichloroethane-d4
Concen: 30.715 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40

Tgt Ion: 65 Resp: 72228
Ion Ratio Lower Upper
65 100
67 50.7 39.9 59.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085126.D

Acq: 06 Dec 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

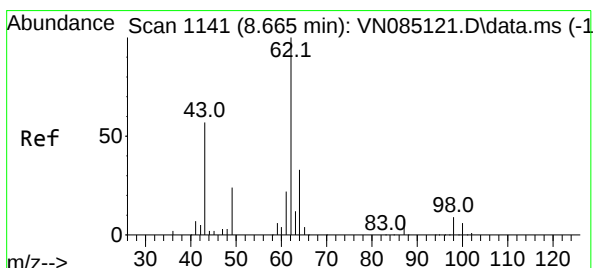
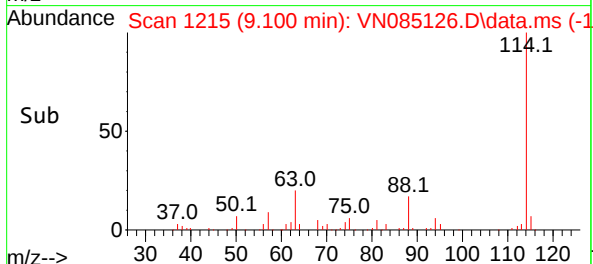
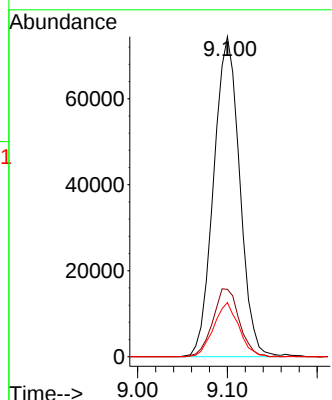
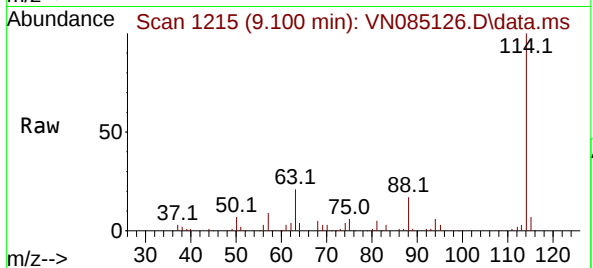
Tgt Ion:114 Resp: 149919

Ion Ratio Lower Upper

114 100

63 21.6 16.2 24.2

88 16.3 12.5 18.7



#36

1,2-Dichloroethane

Concen: 2.169 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.435 min

Lab File: VN085126.D

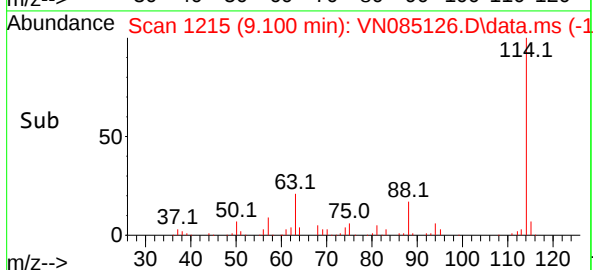
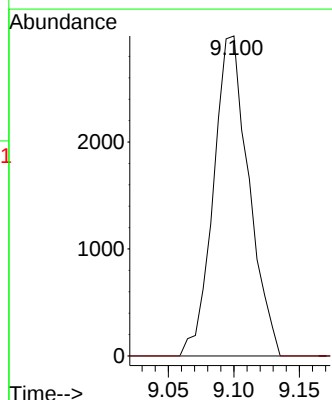
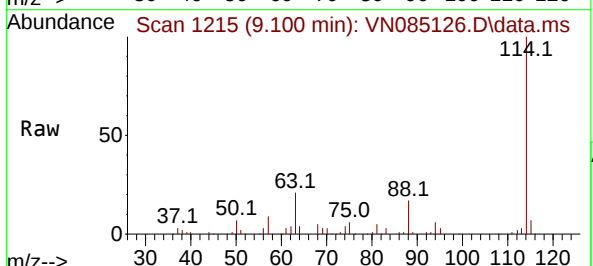
Acq: 06 Dec 2024 14:40

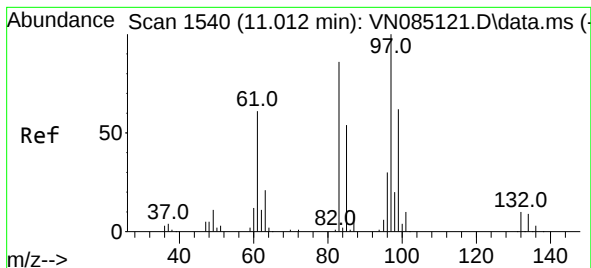
Tgt Ion: 62 Resp: 5612

Ion Ratio Lower Upper

62 100

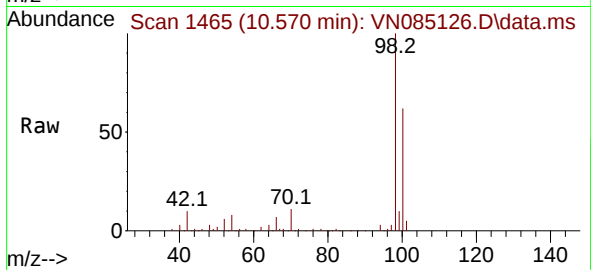
98 0.0 7.3 10.9#



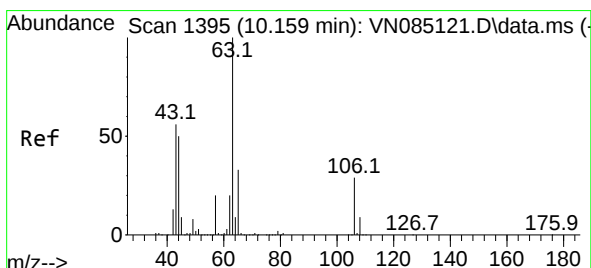
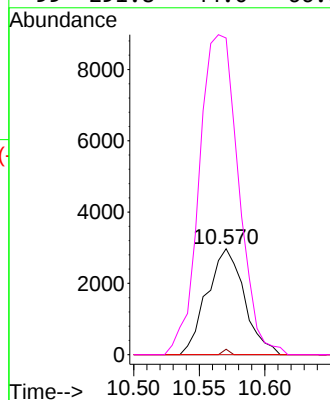
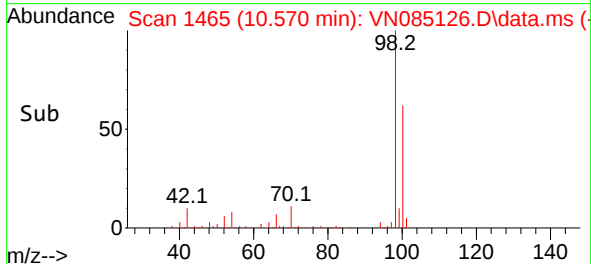


#50
1,1,2-Trichloroethane
Concen: 3.301 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.441 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40

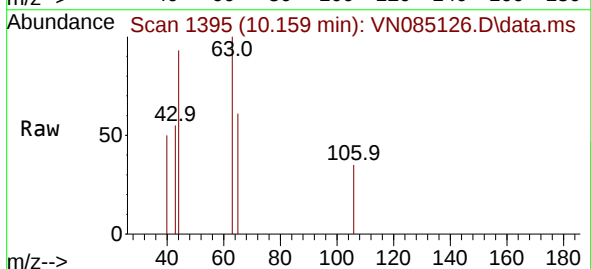
Instrument :
MSVOA_N
ClientSampleId :



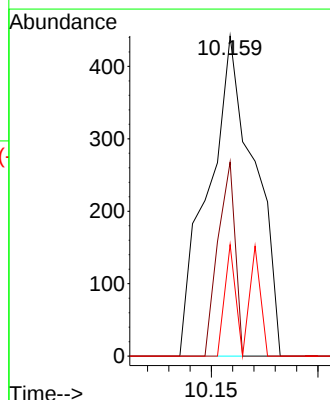
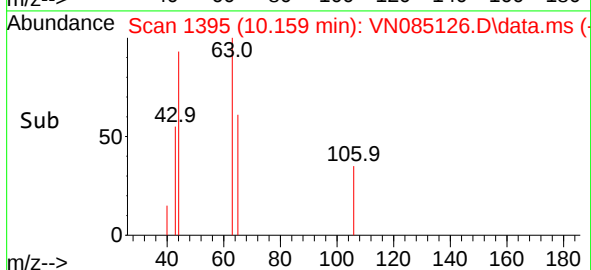
Tgt Ion: 97	Resp: 5873
Ion Ratio	Lower Upper
97 100	
83 5.2	65.8 98.8#
85 0.0	40.8 61.2#
99 291.8	44.0 66.0#

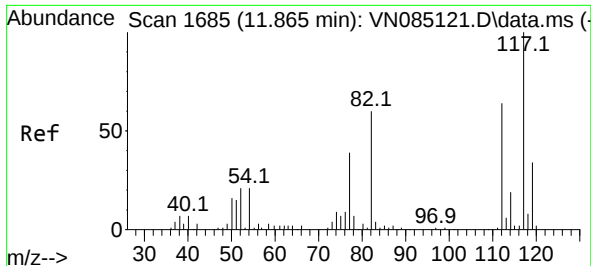


#55
2-Chloroethyl vinyl ether
Concen: 0.529 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40



Tgt Ion: 63	Resp: 665		
Ion Ratio	Lower	Upper	
63 100			
65 22.6	25.9	38.9#	
106 8.1	23.5	35.3#	





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085126.D

Acq: 06 Dec 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

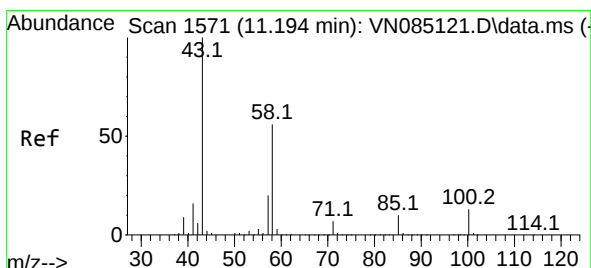
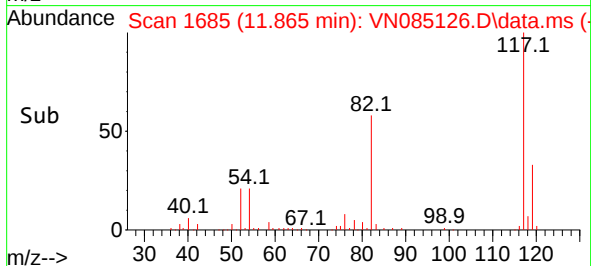
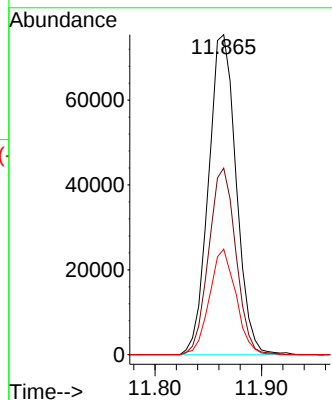
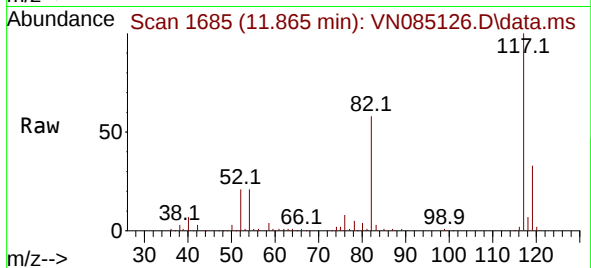
Tgt Ion:117 Resp: 136142

Ion Ratio Lower Upper

117 100

82 57.1 44.2 66.4

119 31.7 25.4 38.2



#59

2-Hexanone

Concen: 0.328 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN085126.D

Acq: 06 Dec 2024 14:40

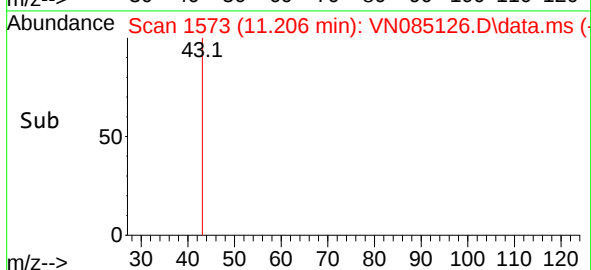
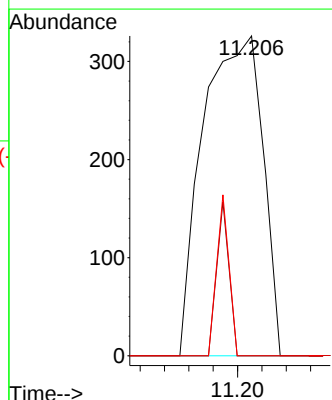
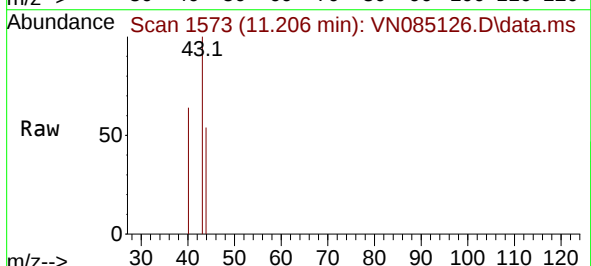
Tgt Ion: 43 Resp: 553

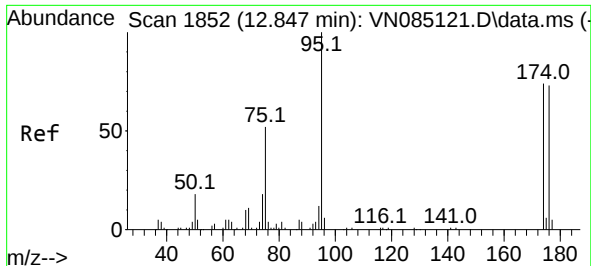
Ion Ratio Lower Upper

43 100

58 0.0 43.6 65.4#

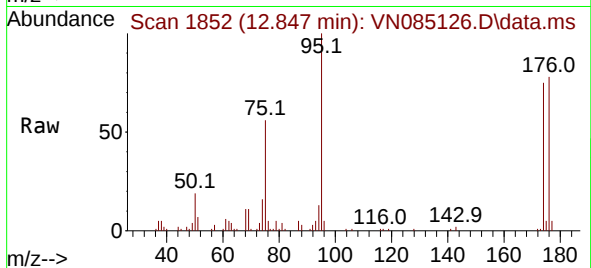
57 0.0 15.4 23.0#



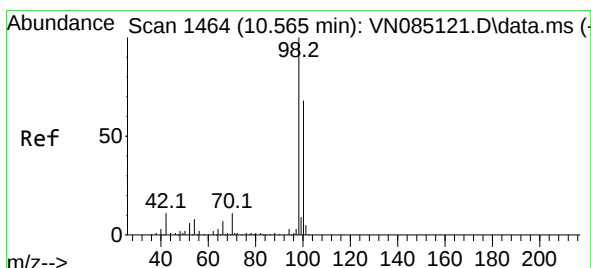
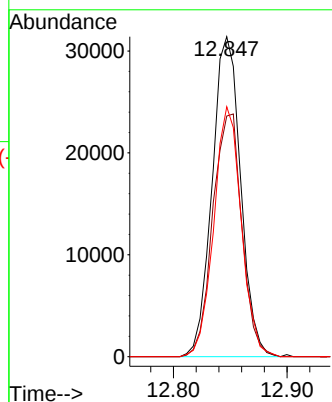
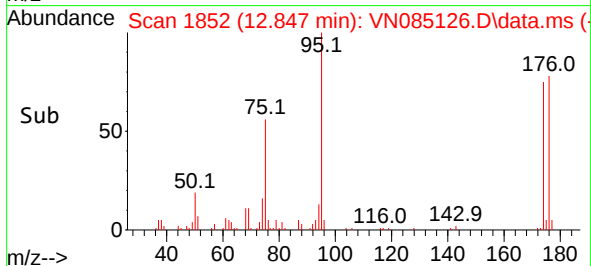


#60
4-Bromofluorobenzene
Concen: 24.306 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40

Instrument :
MSVOA_N
ClientSampleId :

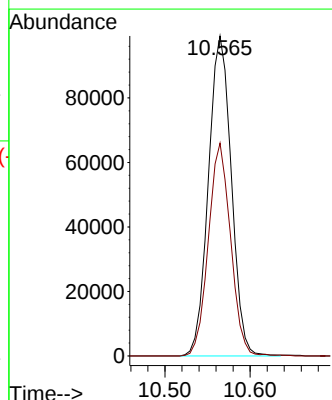
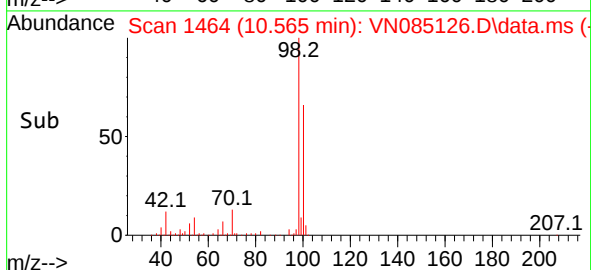
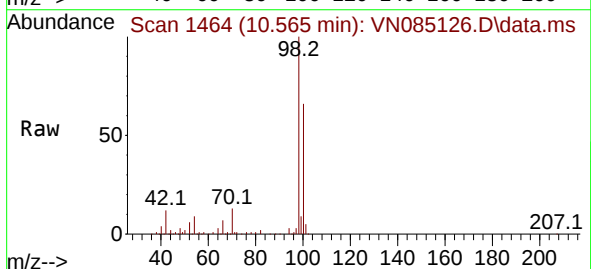


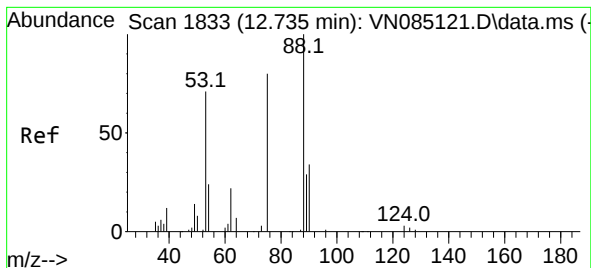
Tgt Ion: 95 Resp: 54751
Ion Ratio Lower Upper
95 100
174 77.5 60.3 90.5
176 75.3 57.4 86.0



#63
Toluene-d8
Concen: 29.034 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40

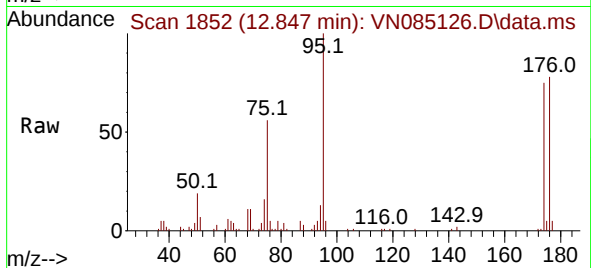
Tgt Ion: 98 Resp: 185417
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



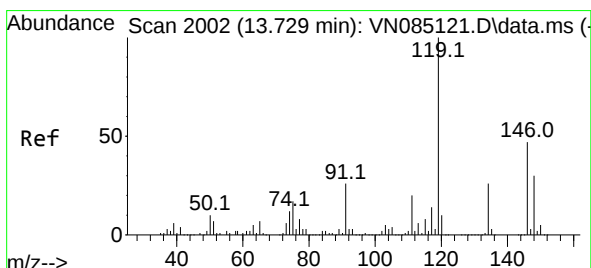
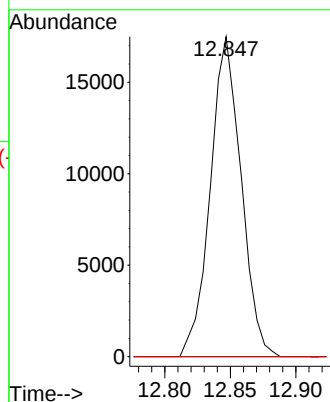
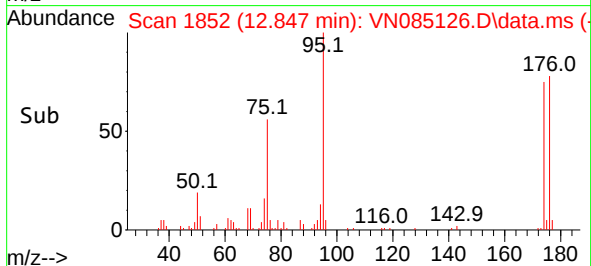


#77
t-1,4-Dichloro-2-butene
Concen: 33.355 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40

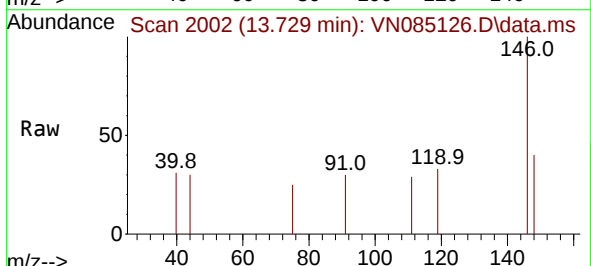
Instrument :
MSVOA_N
ClientSampleId :



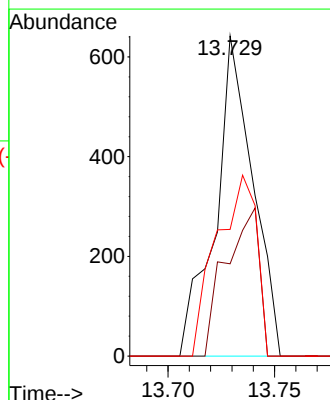
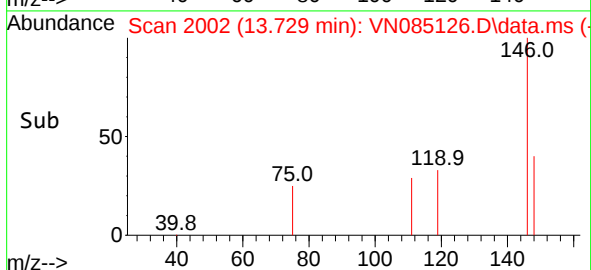
Tgt Ion: 75 Resp: 28605
Ion Ratio Lower Upper
75 100
53 0.0 49.1 147.3#
89 0.0 22.9 68.5#

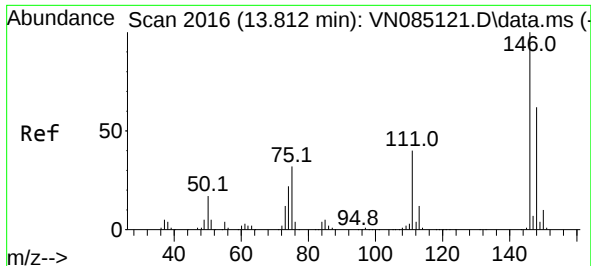


#83
1,3-Dichlorobenzene
Concen: 0.218 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40



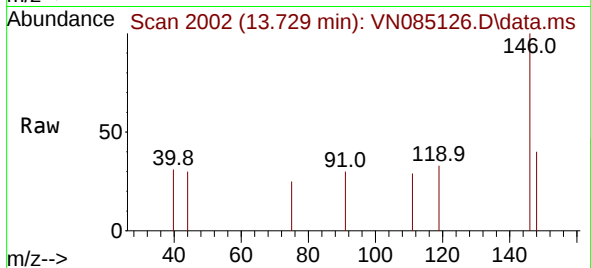
Tgt Ion: 146 Resp: 786
Ion Ratio Lower Upper
146 100
111 41.5 21.1 63.3
148 60.4 31.8 95.3



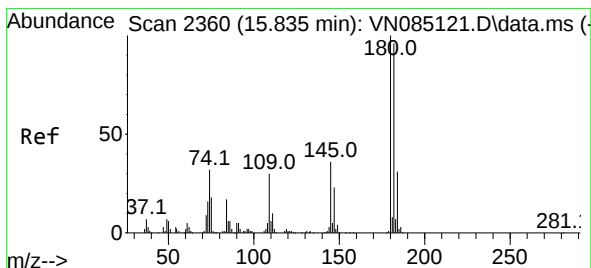
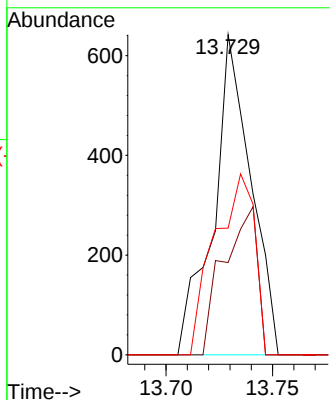
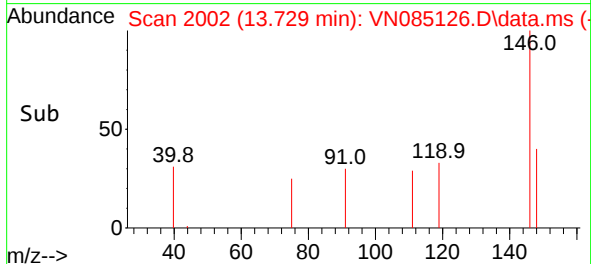


#84
1,4-Dichlorobenzene
Concen: 0.224 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.082 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40

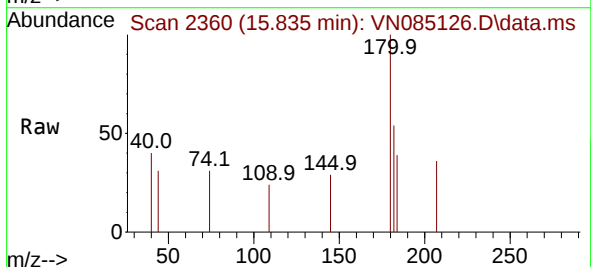
Instrument :
MSVOA_N
ClientSampleId :



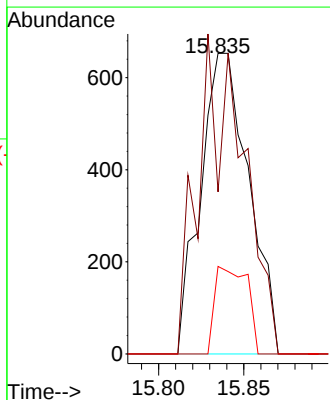
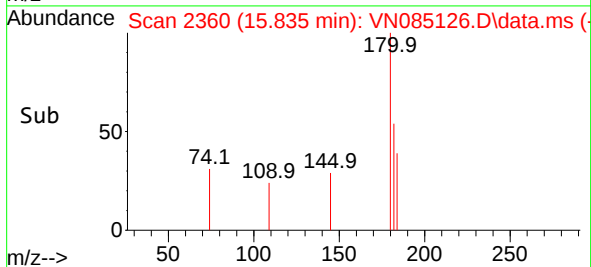
Tgt Ion:146 Resp: 786
Ion Ratio Lower Upper
146 100
111 41.5 20.1 60.3
148 60.4 31.6 94.7

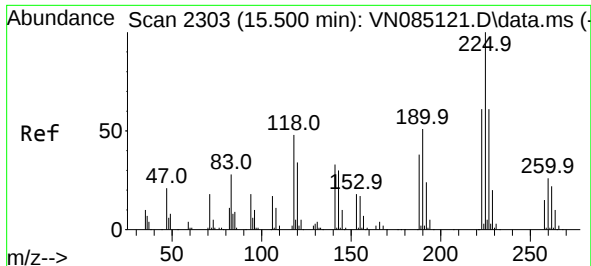


#89
1,2,4-Trichlorobenzene
Concen: 0.771 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40



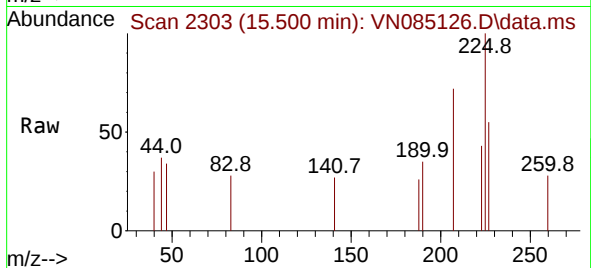
Tgt Ion:180 Resp: 1286
Ion Ratio Lower Upper
180 100
182 52.3 74.0 111.0#
145 14.7 28.6 43.0#



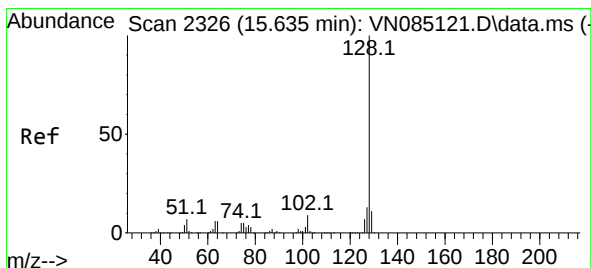
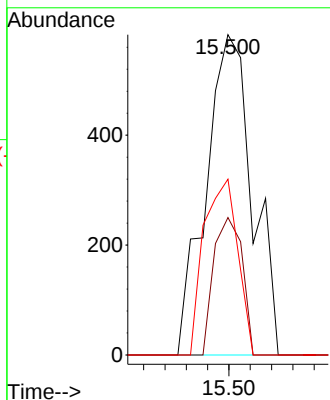
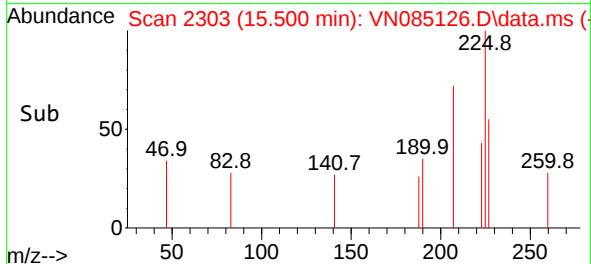


#90
Hexachlorobutadiene
Concen: 1.025 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40

Instrument :
MSVOA_N
ClientSampleId :

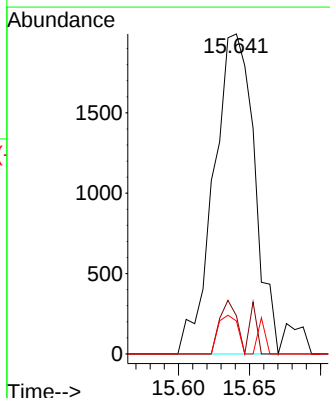
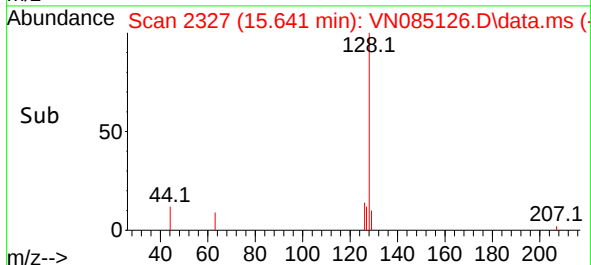
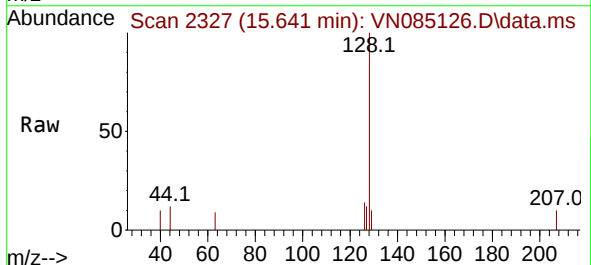


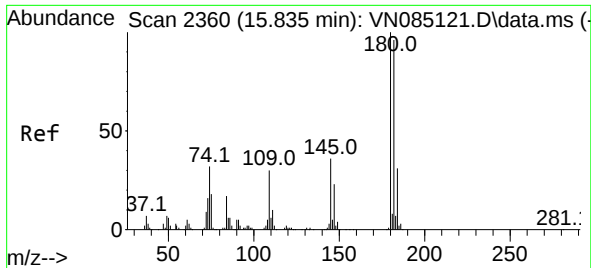
Tgt Ion:225 Resp: 888
Ion Ratio Lower Upper
225 100
223 26.1 0.0 121.8
227 39.5 0.0 126.8



#91
Naphthalene
Concen: 0.766 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085126.D
Acq: 06 Dec 2024 14:40

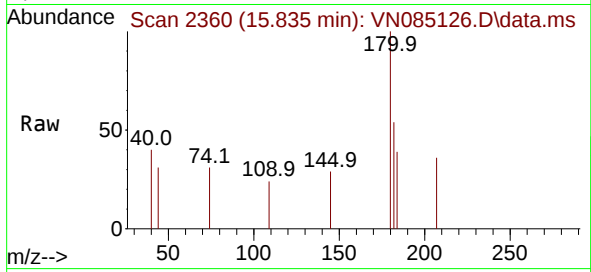
Tgt Ion:128 Resp: 3967
Ion Ratio Lower Upper
128 100
127 7.0 11.0 16.4#
129 5.8 8.7 13.1#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.771 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN085126.D
 Acq: 06 Dec 2024 14:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1286
Ion	Ratio	Lower	Upper
180	100		
182	52.3	0.0	185.0
145	14.7	0.0	71.6

