

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085133.D
 Acq On : 06 Dec 2024 17:39
 Operator : JC\MD
 Sample : P5068-03 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Dec 06 23:11:29 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)

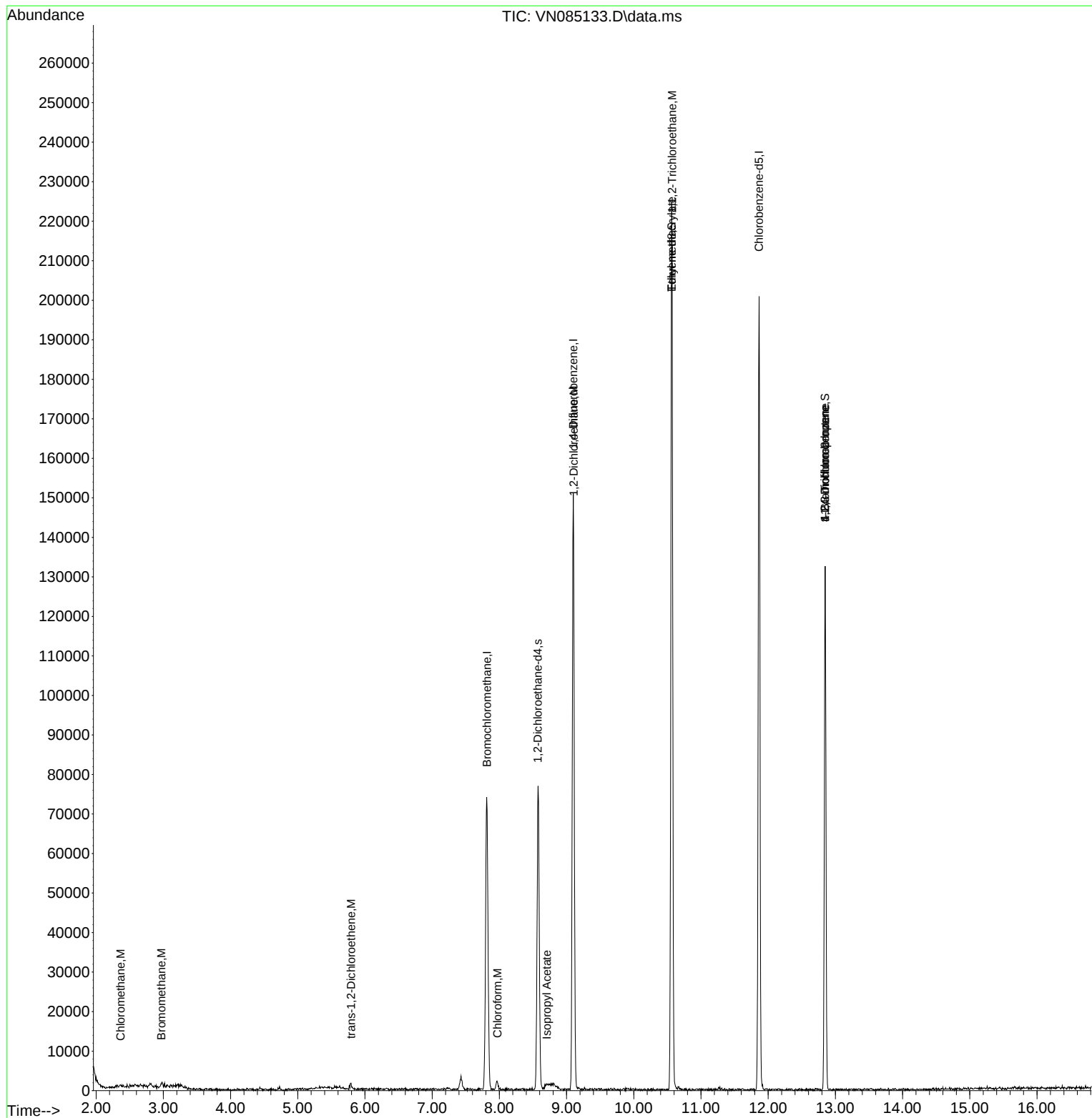
Internal Standards						
1) Bromochloromethane	7.818	128	27443	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	127767	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	116448	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	65671	30.159	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.533%
60) 4-Bromofluorobenzene	12.847	95	45253	23.487	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	78.300%
63) Toluene-d8	10.565	98	158510	29.019	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.733%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	440	0.226	ug/l #	43
5) Bromomethane	2.971	94	298	0.236	ug/l #	34
19) trans-1,2-Dichloroethene	5.794	96	490	0.282	ug/l #	66
25) Chloroform	7.971	83	1430	0.421	ug/l #	82
36) 1,2-Dichloroethane	9.106	62	4479	2.031	ug/l #	75
44) Isopropyl Acetate	8.706	43	784	0.240	ug/l #	48
50) 1,1,2-Trichloroethane	10.570	97	5828	3.844	ug/l #	1
51) Ethyl methacrylate	10.565	69	573	0.248	ug/l #	25
72) 1,2,3-Trichloropropane	12.847	75	24109	11.943	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	24109	32.867	ug/l #	10

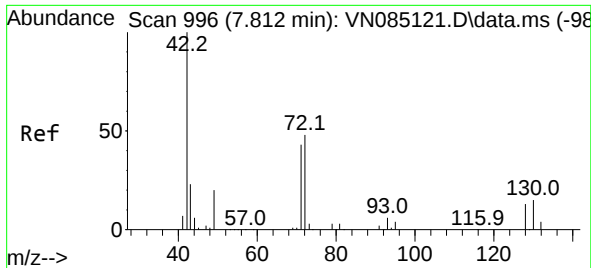
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 06 22:50:42 2024
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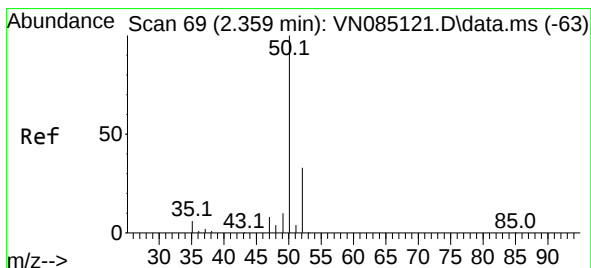
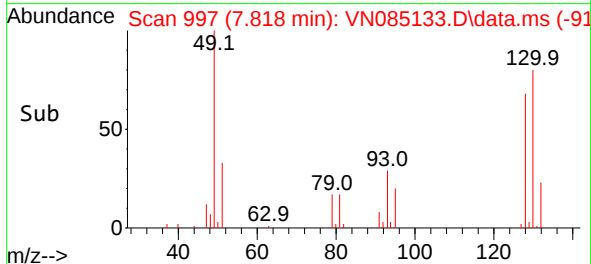
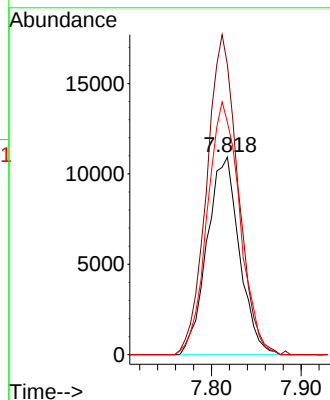
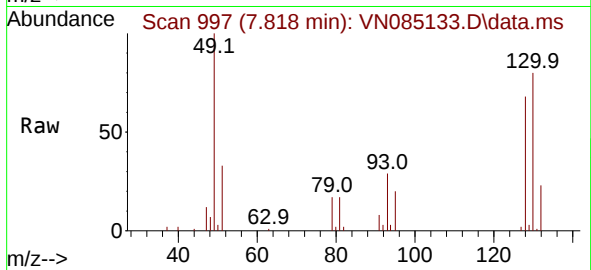




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085133.D
Acq: 06 Dec 2024 17:39

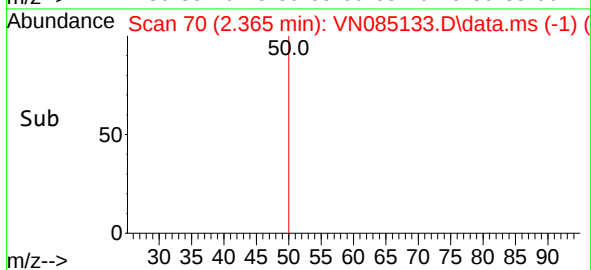
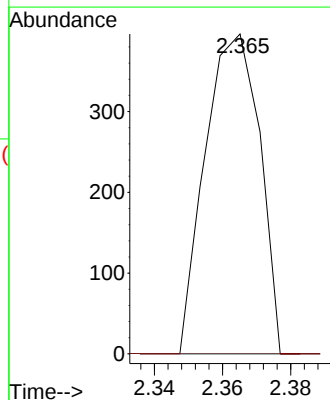
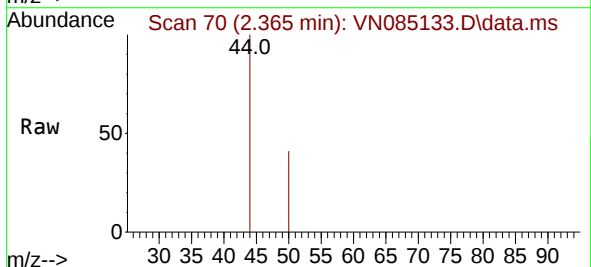
Instrument :
MSVOA_N
ClientSampleId :
14B-3

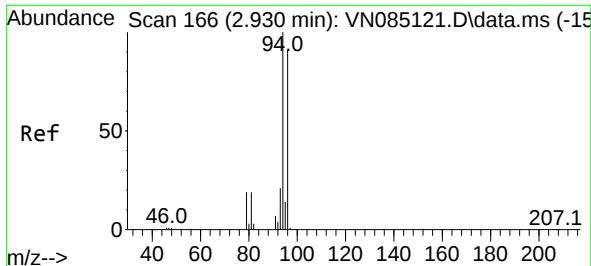
Tgt Ion:	128	Resp:	27443
Ion	Ratio	Lower	Upper
128	100		
49	156.2	0.0	394.5
130	128.6	0.0	316.5



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085133.D
Acq: 06 Dec 2024 17:39

Tgt Ion:	50	Resp:	440
Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.0	37.4#

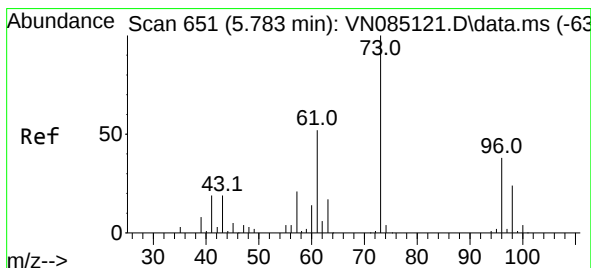
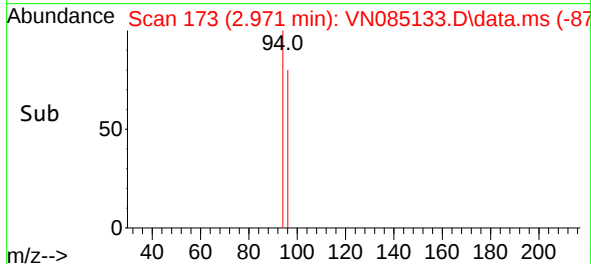
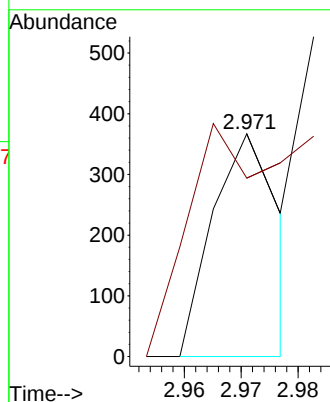
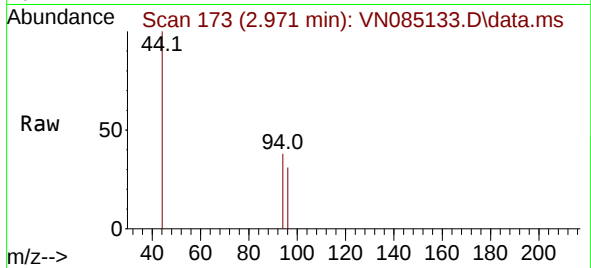




#5
Bromomethane
Concen: 0.236 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085133.D
Acq: 06 Dec 2024 17:39

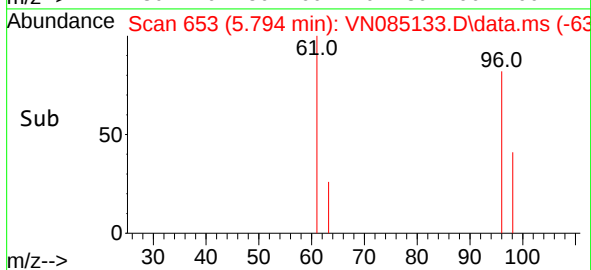
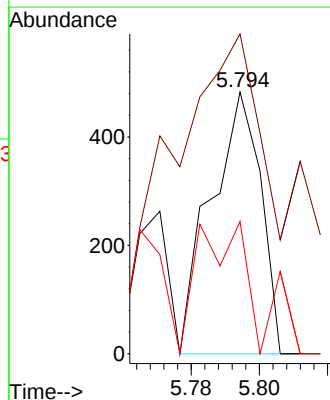
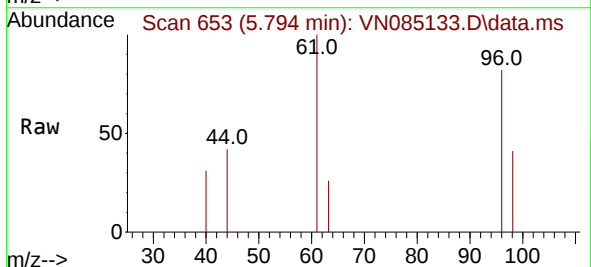
Instrument :
MSVOA_N
ClientSampleId :
14B-3

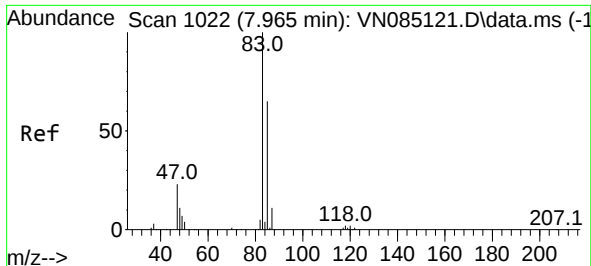
Tgt Ion: 94 Resp: 298
Ion Ratio Lower Upper
94 100
96 30.8 76.2 114.4#



#19
trans-1,2-Dichloroethene
Concen: 0.282 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.012 min
Lab File: VN085133.D
Acq: 06 Dec 2024 17:39

Tgt Ion: 96 Resp: 490
Ion Ratio Lower Upper
96 100
61 78.7 100.4 150.6#
98 50.5 52.6 79.0#





#25

Chloroform

Concen: 0.421 ug/l

RT: 7.971 min Scan# 1022

Delta R.T. 0.012 min

Lab File: VN085133.D

Acq: 06 Dec 2024 17:39

Instrument :

MSVOA_N

ClientSampleId :

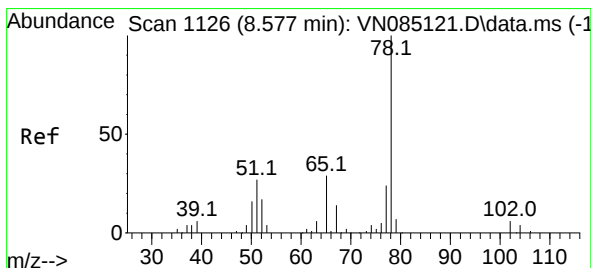
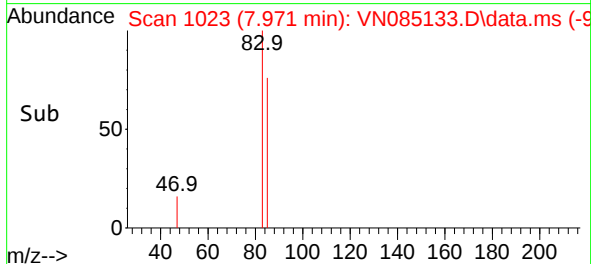
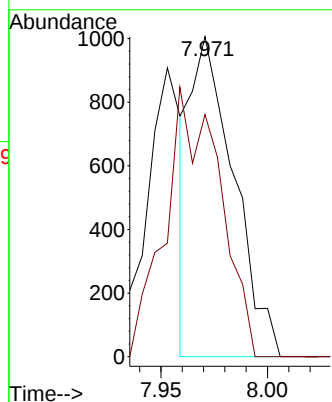
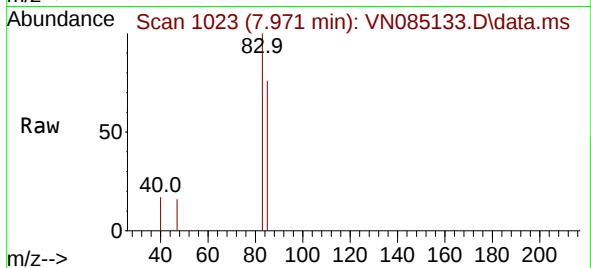
14B-3

Tgt Ion: 83 Resp: 1430

Ion Ratio Lower Upper

83 100

85 75.6 49.4 74.0#



#27

1,2-Dichloroethane-d4

Concen: 30.159 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN085133.D

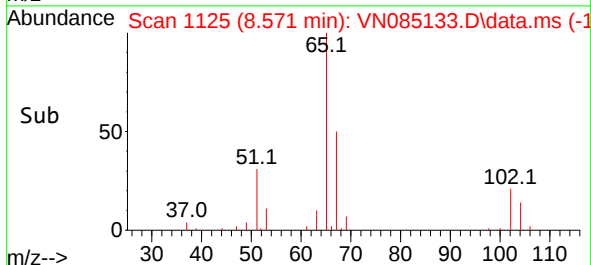
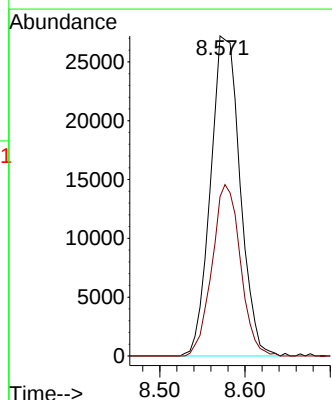
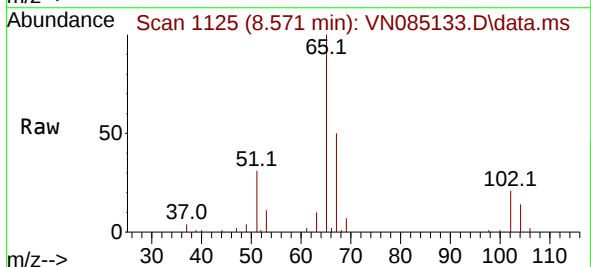
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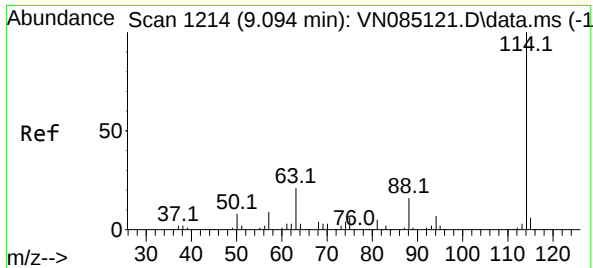
Tgt Ion: 65 Resp: 65671

Ion Ratio Lower Upper

65 100

67 51.4 39.9 59.9

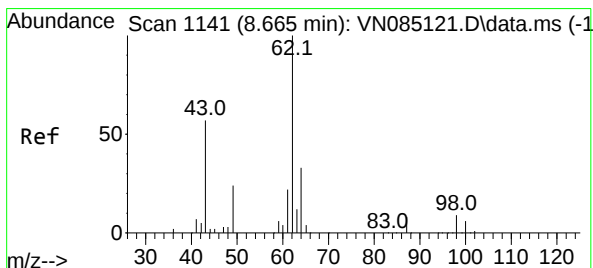
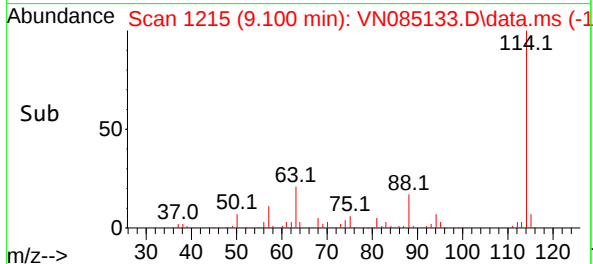
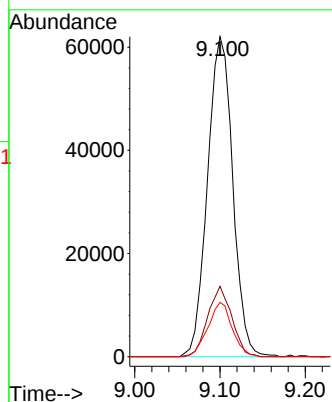
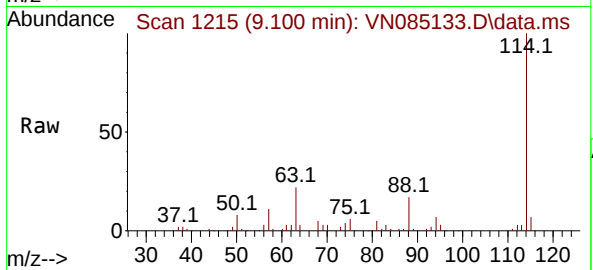




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN085133.D
Acq: 06 Dec 2024 17:39

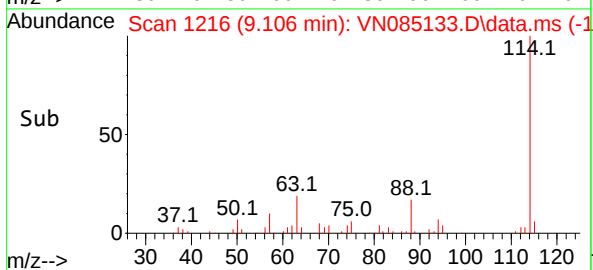
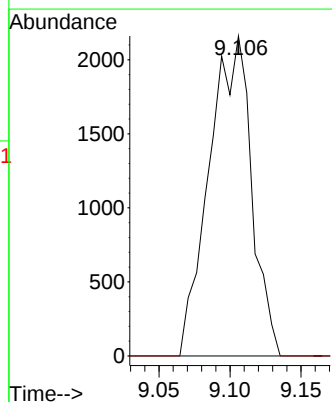
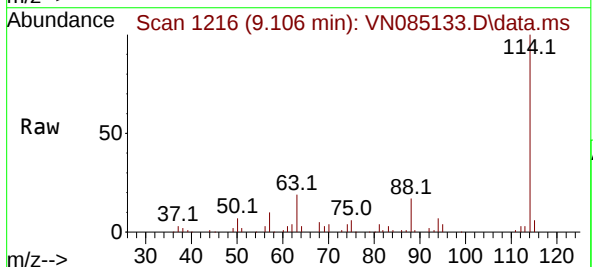
Instrument :
MSVOA_N
ClientSampleId :
14B-3

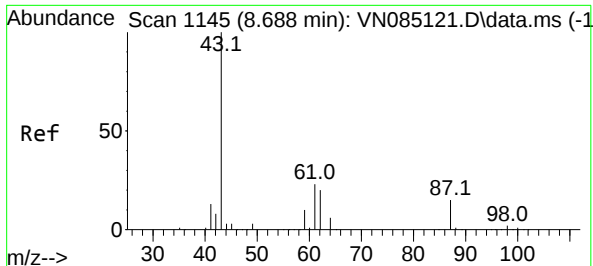
Tgt Ion:114 Resp: 127767
Ion Ratio Lower Upper
114 100
63 20.9 16.2 24.2
88 16.4 12.5 18.7



#36
1,2-Dichloroethane
Concen: 2.031 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.441 min
Lab File: VN085133.D
Acq: 06 Dec 2024 17:39

Tgt Ion: 62 Resp: 4479
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#

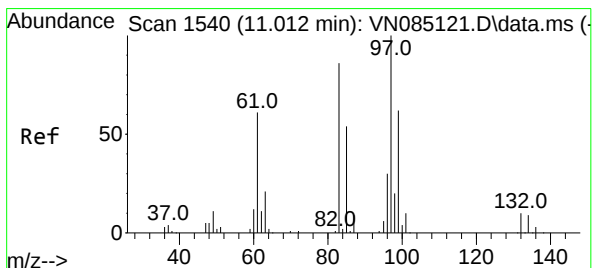
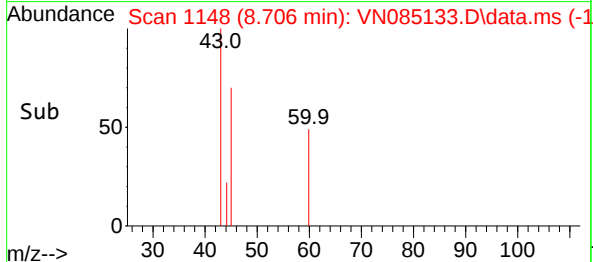
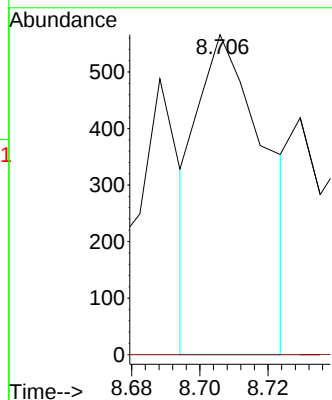
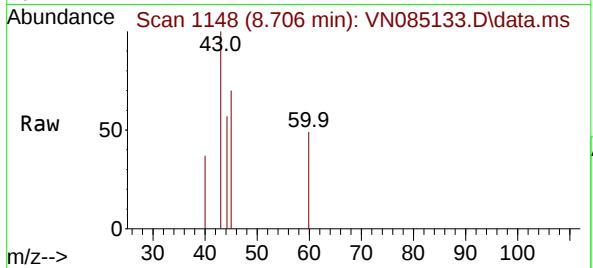




#44
Isopropyl Acetate
Concen: 0.240 ug/l
RT: 8.706 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN085133.D
Acq: 06 Dec 2024 17:39

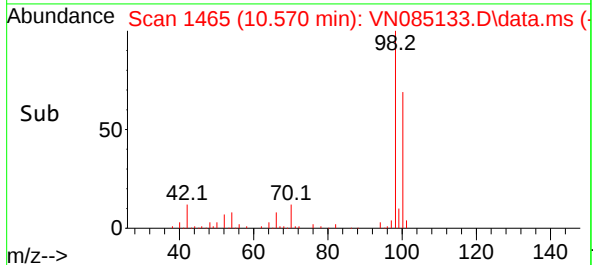
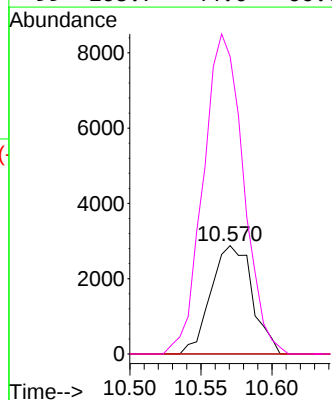
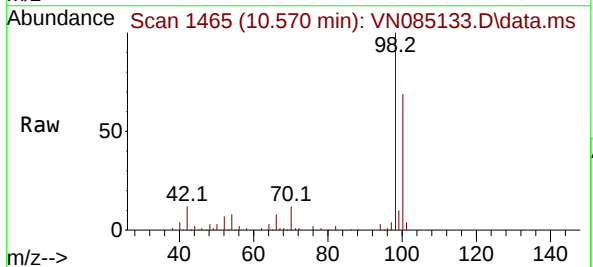
Instrument :
MSVOA_N
ClientSampleId :
14B-3

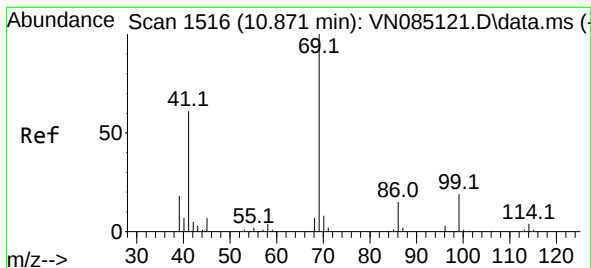
Tgt Ion: 43 Resp: 784
Ion Ratio Lower Upper
43 100
61 0.0 21.5 32.3#



#50
1,1,2-Trichloroethane
Concen: 3.844 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.441 min
Lab File: VN085133.D
Acq: 06 Dec 2024 17:39

Tgt Ion: 97 Resp: 5828
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.8#
85 0.0 40.8 61.2#
99 268.7 44.0 66.0#





#51

Ethyl methacrylate

Concen: 0.248 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.306 min

Lab File: VN085133.D

Acq: 06 Dec 2024 17:39

Instrument :

MSVOA_N

ClientSampleId :

14B-3

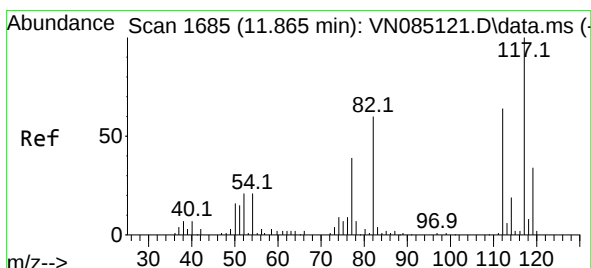
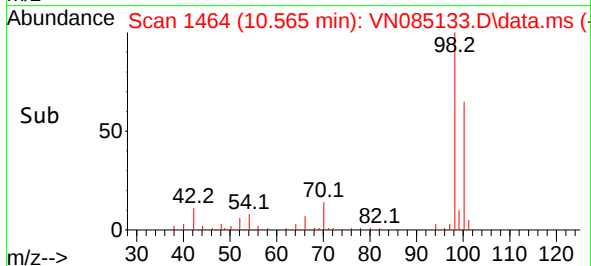
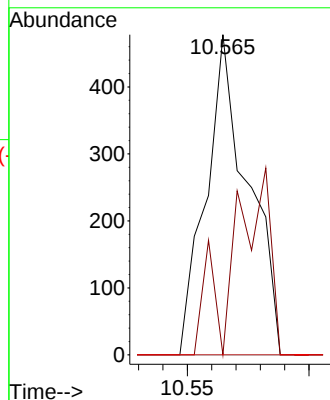
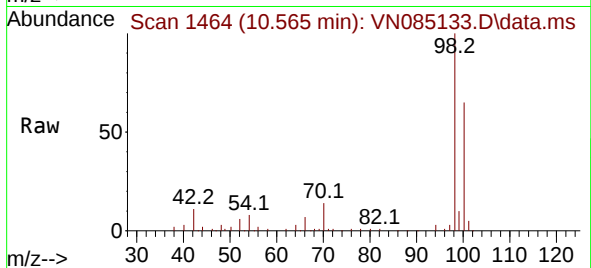
Tgt Ion: 69 Resp: 573

Ion Ratio Lower Upper

69 100

41 0.0 32.1 96.3#

39 0.0 18.8 56.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN085133.D

Acq: 06 Dec 2024 17:39

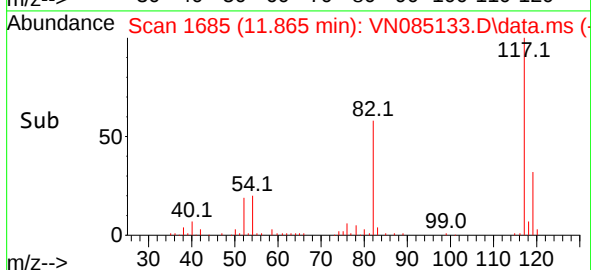
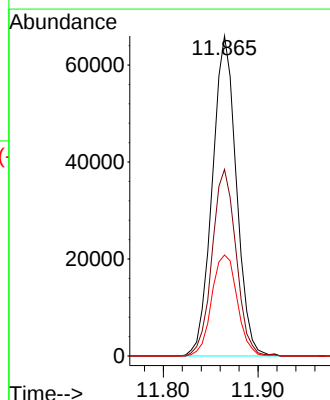
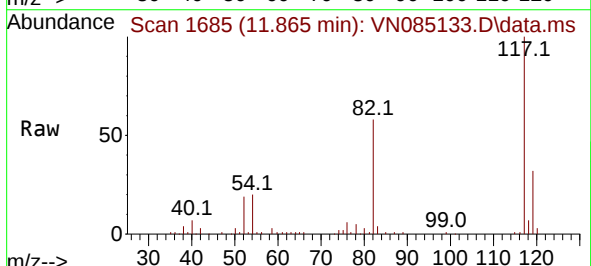
Tgt Ion: 117 Resp: 116448

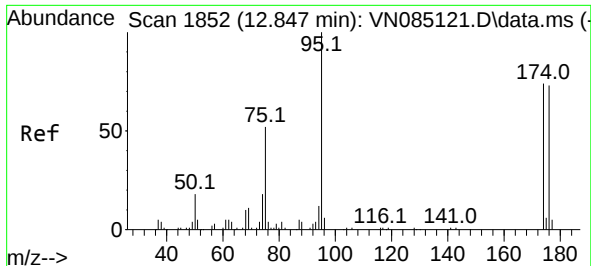
Ion Ratio Lower Upper

117 100

82 58.0 44.2 66.4

119 33.4 25.4 38.2

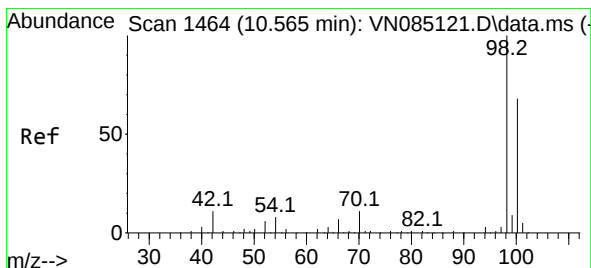
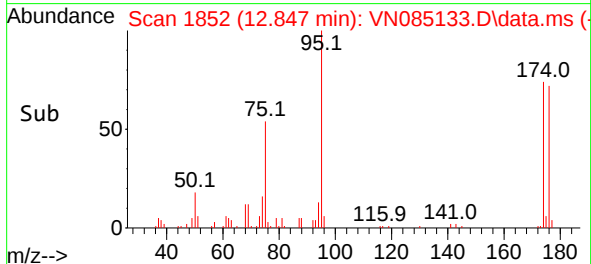
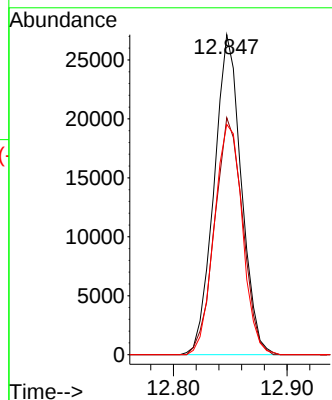
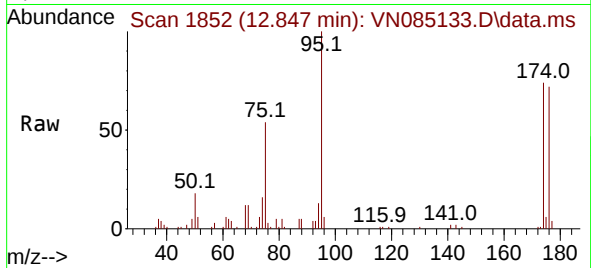




#60
4-Bromofluorobenzene
Concen: 23.487 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085133.D
Acq: 06 Dec 2024 17:39

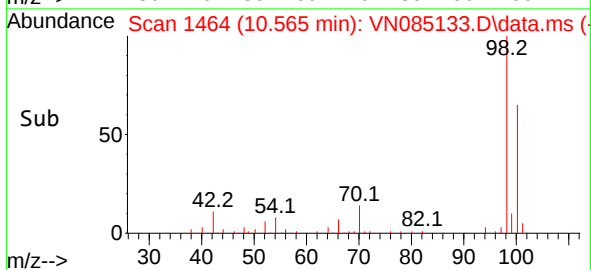
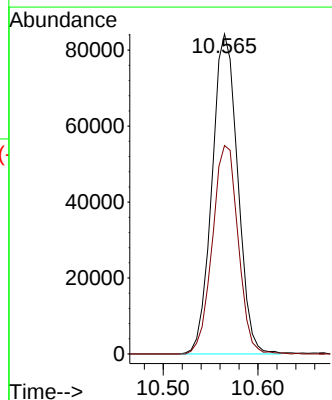
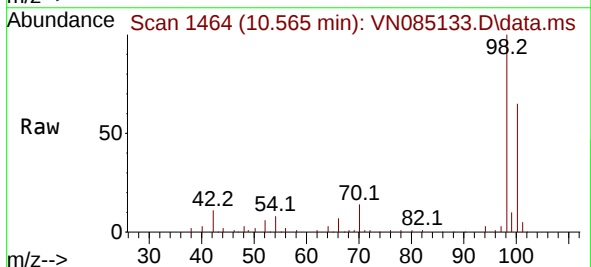
Instrument :
MSVOA_N
ClientSampleId :
14B-3

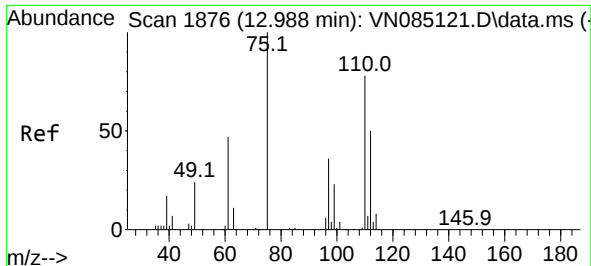
Tgt Ion: 95 Resp: 45253
Ion Ratio Lower Upper
95 100
174 76.4 60.3 90.5
176 74.5 57.4 86.0



#63
Toluene-d8
Concen: 29.019 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085133.D
Acq: 06 Dec 2024 17:39

Tgt Ion: 98 Resp: 158510
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

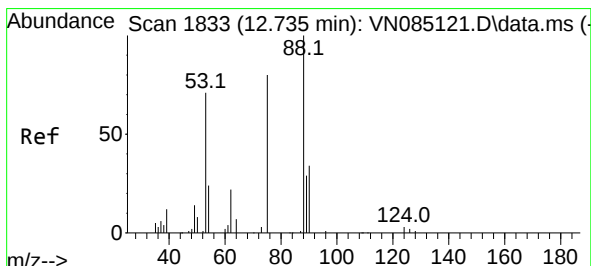
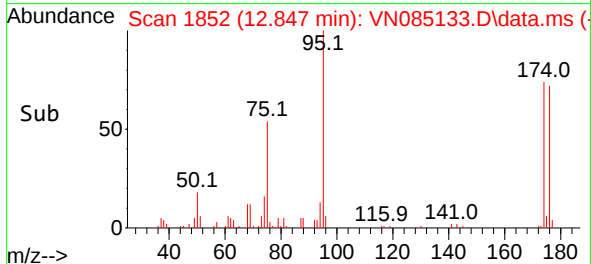
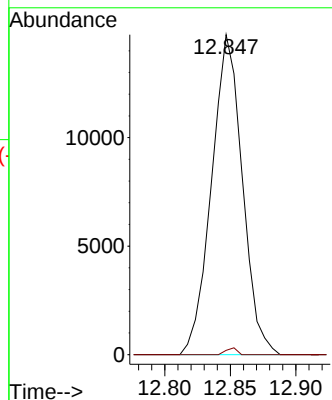
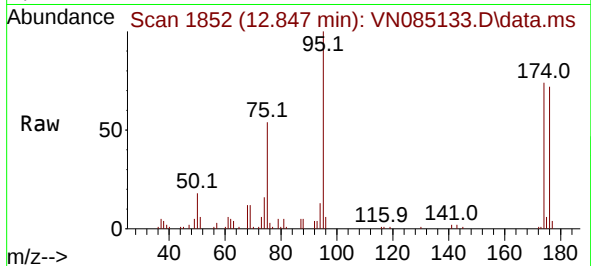




#72
1,2,3-Trichloropropane
Concen: 11.943 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085133.D
Acq: 06 Dec 2024 17:39

Instrument :
MSVOA_N
ClientSampleId :
14B-3

Tgt Ion: 75 Resp: 24109
Ion Ratio Lower Upper
75 100
77 0.8 0.0 339.0



#77
t-1,4-Dichloro-2-butene
Concen: 32.867 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085133.D
Acq: 06 Dec 2024 17:39

Tgt Ion: 75 Resp: 24109
Ion Ratio Lower Upper
75 100
53 0.0 49.1 147.3#
89 0.0 22.9 68.5#

