

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121924\
 Data File : VN085266.D
 Acq On : 19 Dec 2024 15:24
 Operator : JC\MD
 Sample : VN1219WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 17:12:13 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)

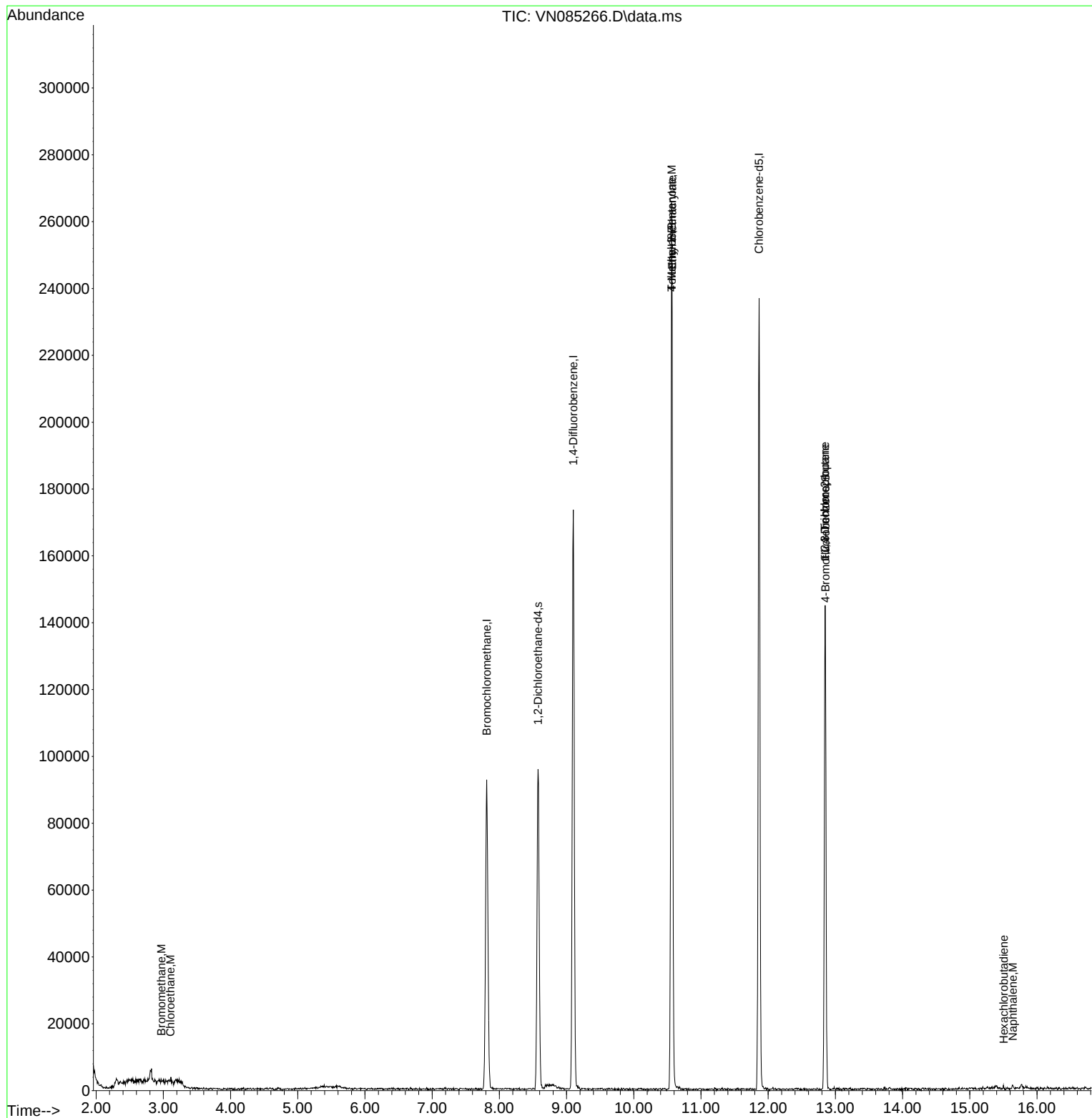
Internal Standards						
1) Bromochloromethane	7.812	128	29211	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	135793	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	122814	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	80815	34.867	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	116.233%#
60) 4-Bromofluorobenzene	12.853	95	48606	23.919	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.733%
63) Toluene-d8	10.565	98	170427	29.583	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.600%
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	307	0.229	ug/l	81
6) Chloroethane	3.106	64	264	0.203	ug/l #	43
51) Ethyl methacrylate	10.571	69	646	0.264	ug/l #	53
58) 4-Methyl-2-Pentanone	10.565	43	940	0.469	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	27406	12.873	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	27406	35.425	ug/l #	10
90) Hexachlorobutadiene	15.506	225	157	0.201	ug/l #	19
91) Naphthalene	15.641	128	1457	0.312	ug/l #	68

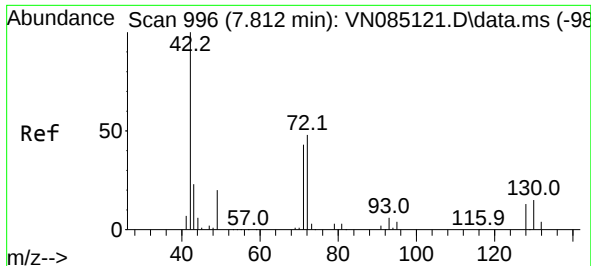
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 19 17:12:13 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

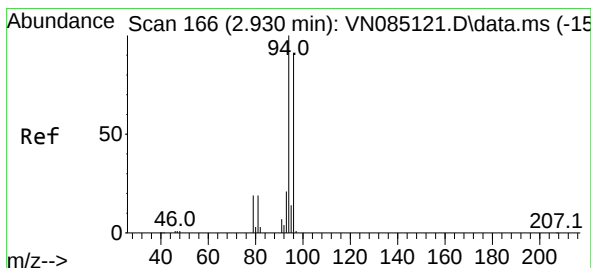
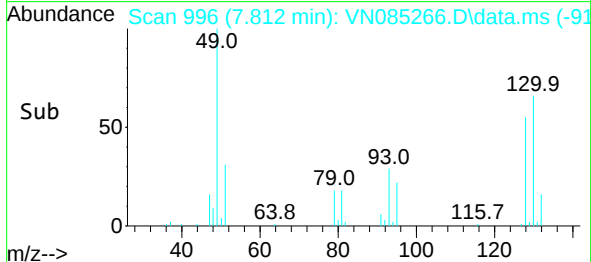
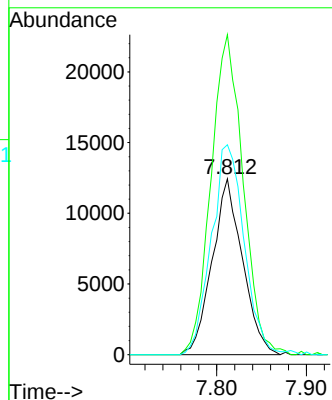
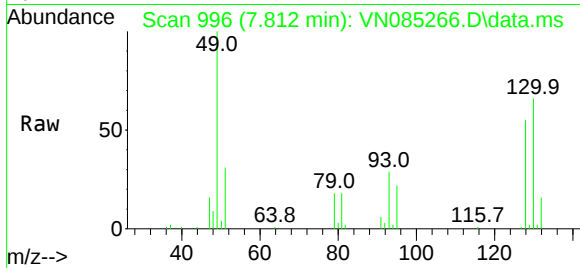




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

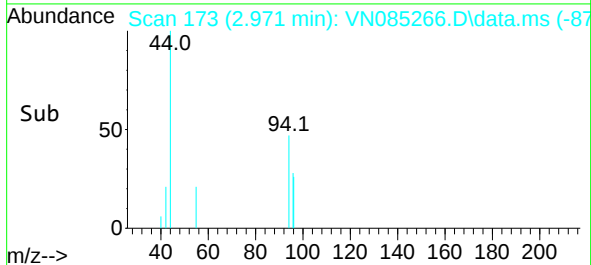
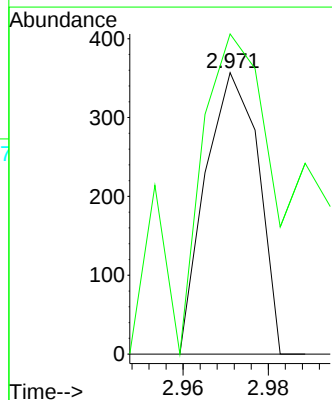
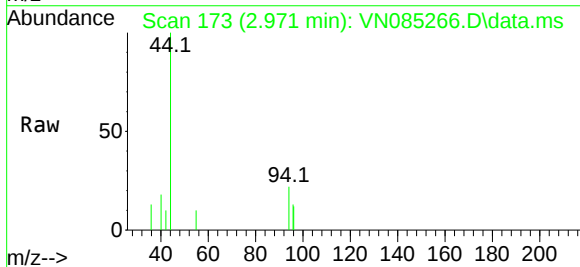
Instrument :
MSVOA_N
ClientSampleId :

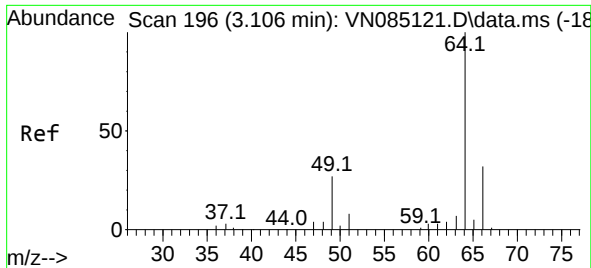
Tgt Ion:128 Resp: 29211
Ion Ratio Lower Upper
128 100
49 191.7 0.0 394.5
130 129.1 0.0 316.5



#5
Bromomethane
Concen: 0.229 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.006 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

Tgt Ion: 94 Resp: 307
Ion Ratio Lower Upper
94 100
96 113.7 76.2 114.4

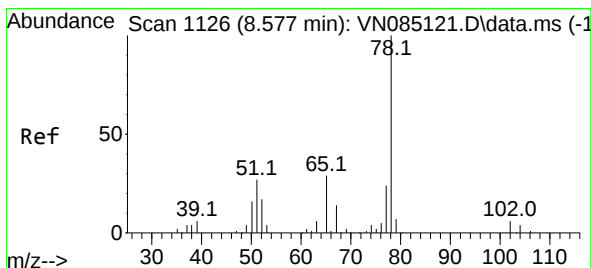
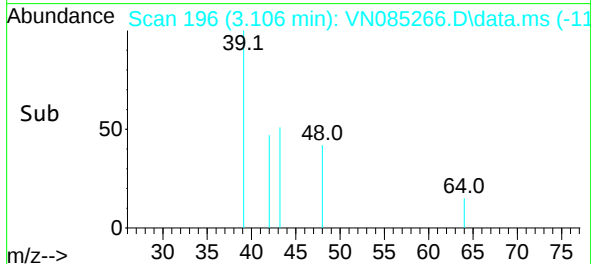
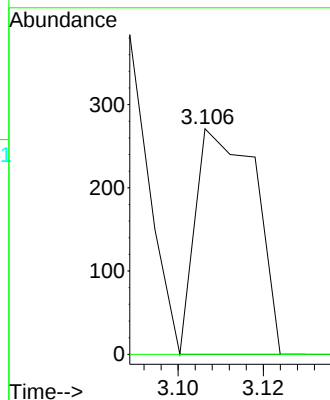
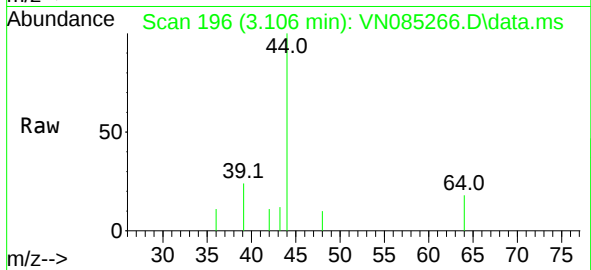




#6
Chloroethane
Concen: 0.203 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.018 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

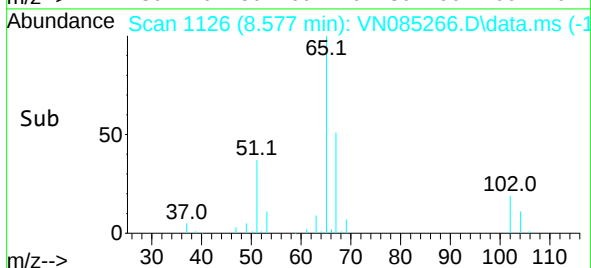
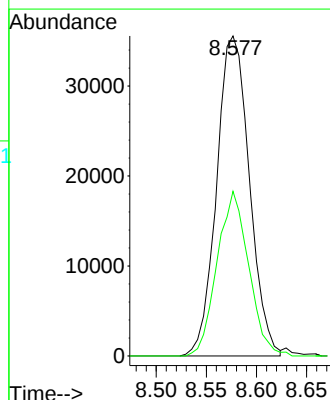
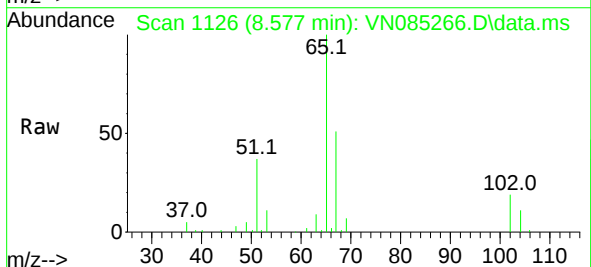
Instrument :
MSVOA_N
ClientSampleId :

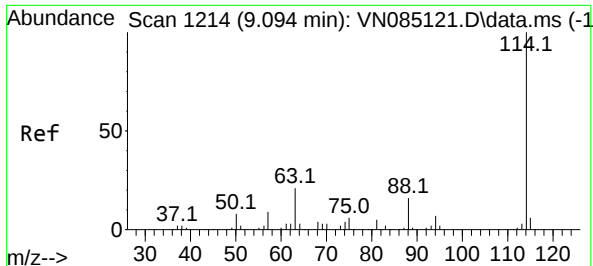
Tgt Ion: 64 Resp: 264
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



#27
1,2-Dichloroethane-d4
Concen: 34.867 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

Tgt Ion: 65 Resp: 80815
Ion Ratio Lower Upper
65 100
67 49.6 39.9 59.9

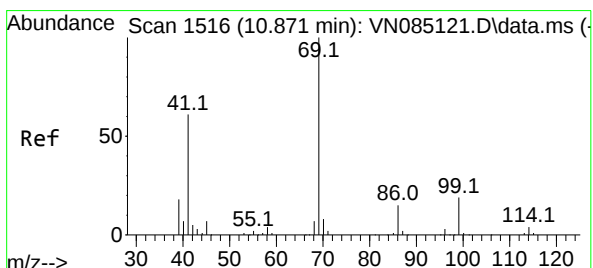
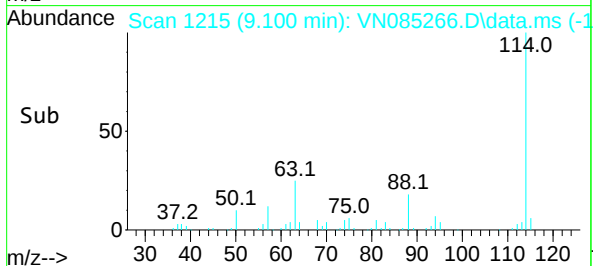
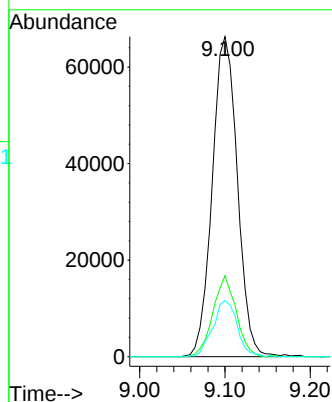
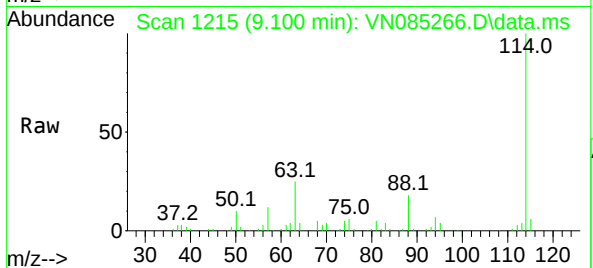




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

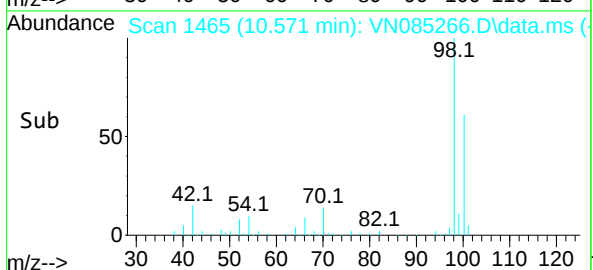
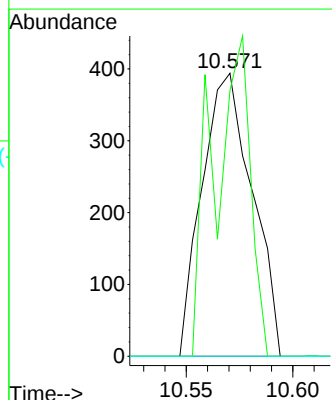
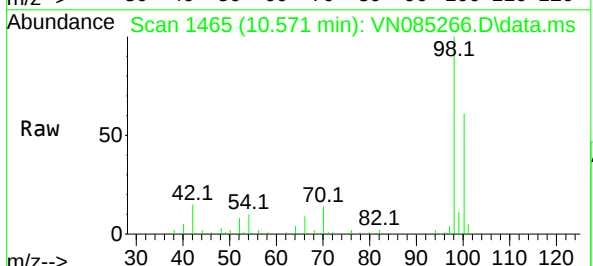
Instrument :
MSVOA_N
ClientSampleId :

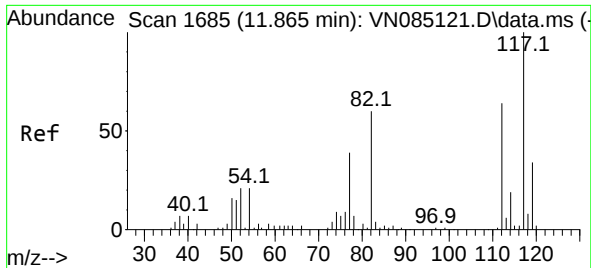
Tgt Ion:114 Resp: 135793
Ion Ratio Lower Upper
114 100
63 23.4 16.2 24.2
88 17.0 12.5 18.7



#51
Ethyl methacrylate
Concen: 0.264 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.300 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

Tgt Ion: 69 Resp: 646
Ion Ratio Lower Upper
69 100
41 93.9 32.1 96.3
39 0.0 18.8 56.4#

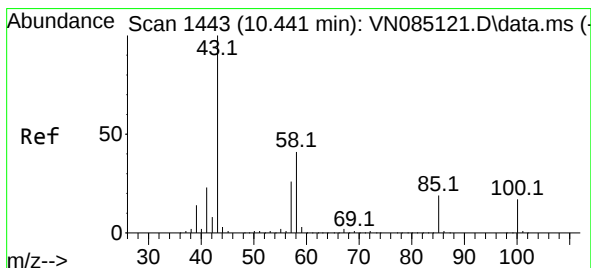
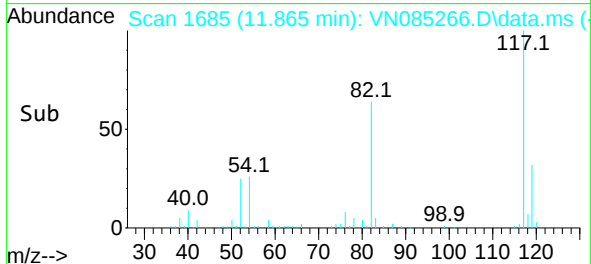
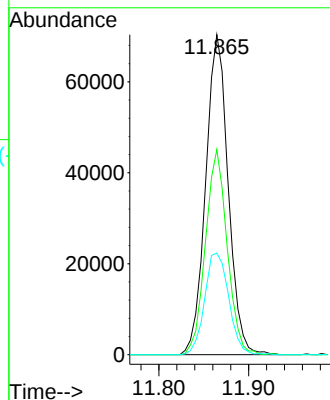
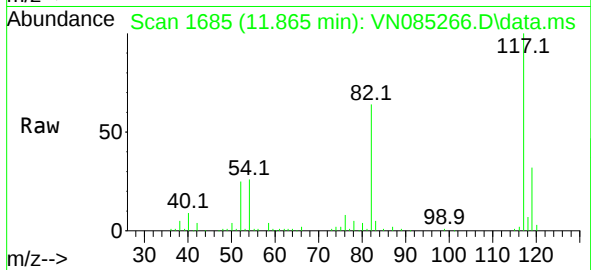




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

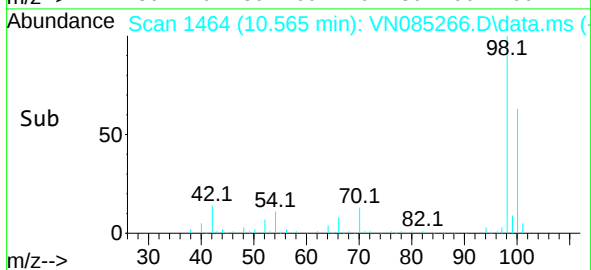
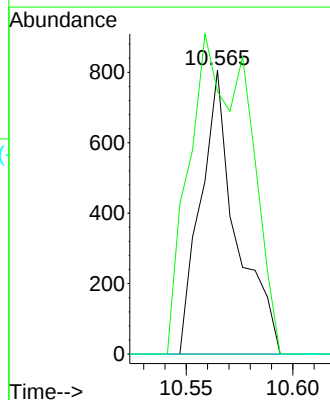
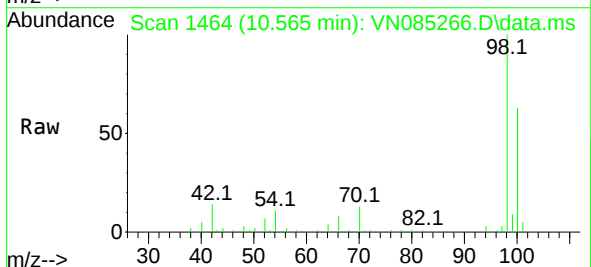
Instrument :
MSVOA_N
ClientSampleId :

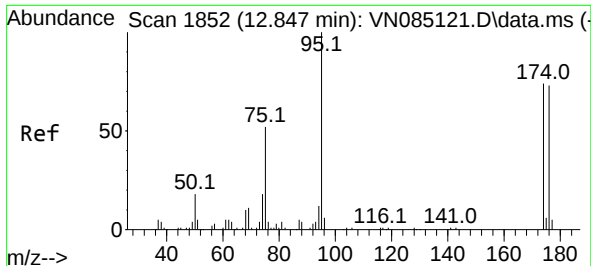
Tgt Ion:117 Resp: 122814
Ion Ratio Lower Upper
117 100
82 61.6 44.2 66.4
119 33.8 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.469 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

Tgt Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
58 125.7 31.6 47.4#
85 0.0 15.0 22.6#

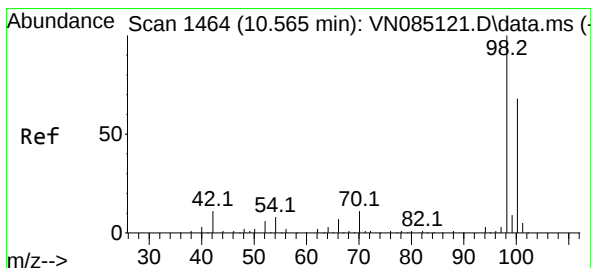
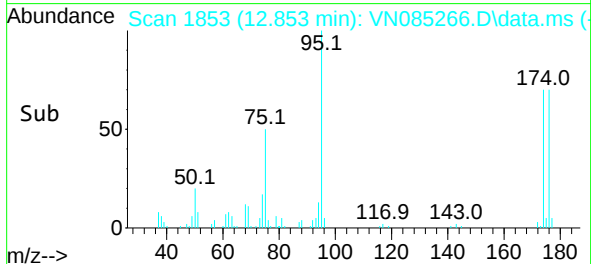
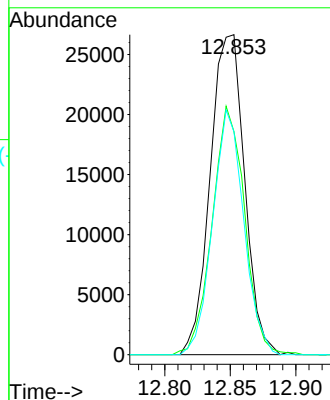
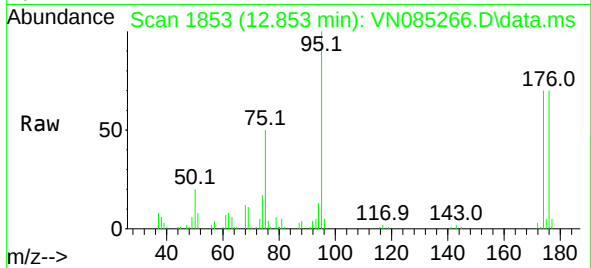




#60
4-Bromofluorobenzene
Concen: 23.919 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

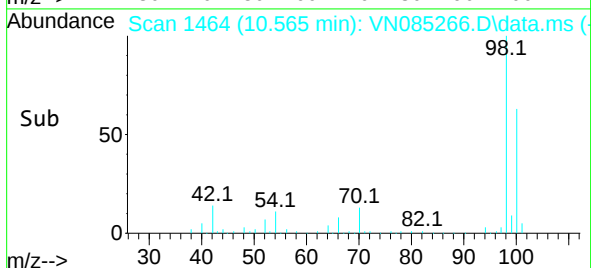
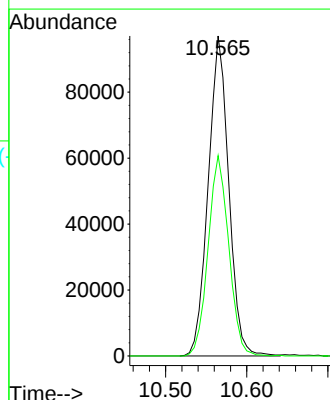
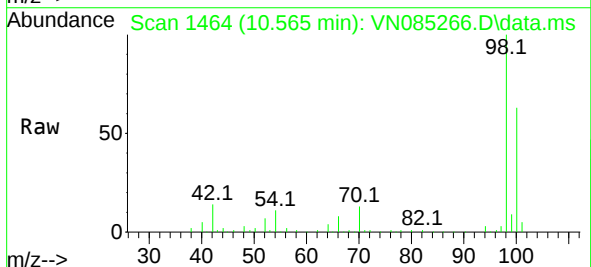
Instrument :
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ClientSampleId :

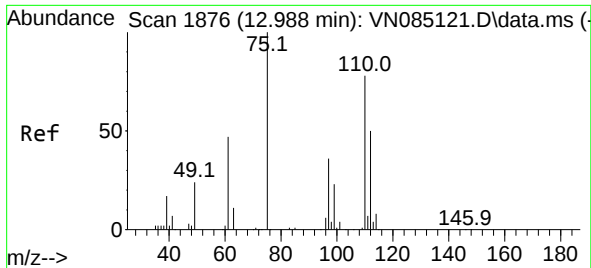
Tgt Ion: 95 Resp: 48606
Ion Ratio Lower Upper
95 100
174 73.3 60.3 90.5
176 69.3 57.4 86.0



#63
Toluene-d8
Concen: 29.583 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

Tgt Ion: 98 Resp: 170427
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0

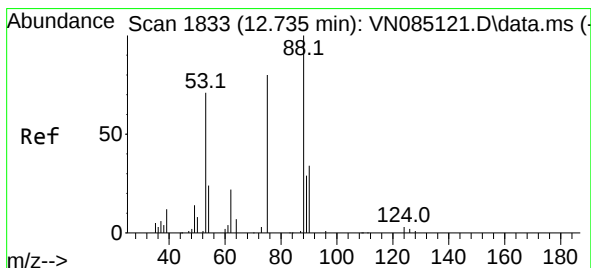
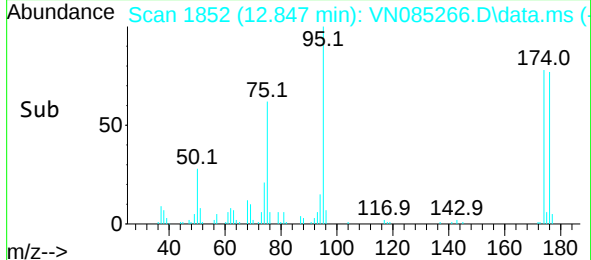
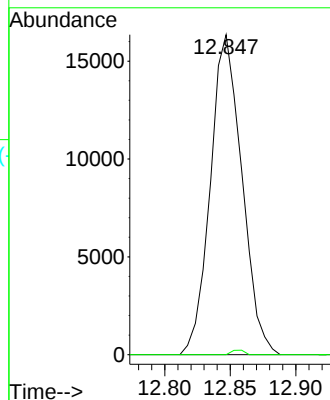
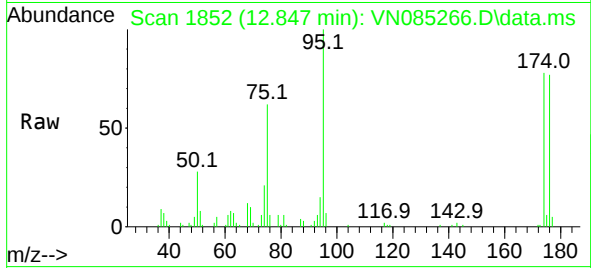




#72
1,2,3-Trichloropropane
Concen: 12.873 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

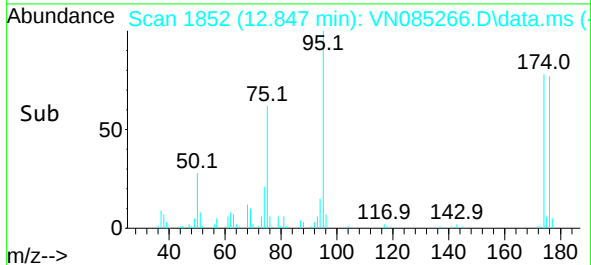
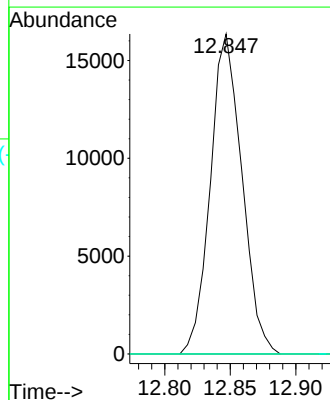
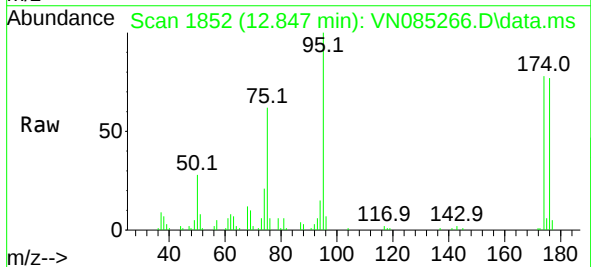
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MSVOA_N
ClientSampleId :

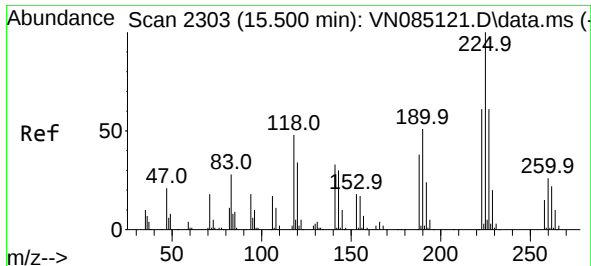
Tgt Ion: 75 Resp: 27406
Ion Ratio Lower Upper
75 100
77 0.6 0.0 339.0



#77
t-1,4-Dichloro-2-butene
Concen: 35.425 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

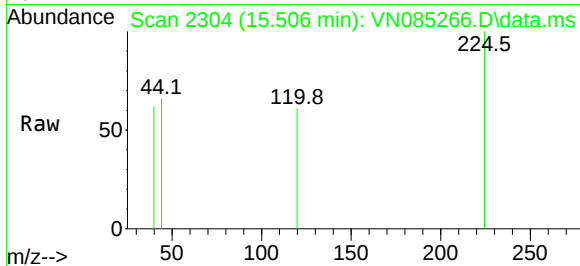
Tgt Ion: 75 Resp: 27406
Ion Ratio Lower Upper
75 100
53 0.0 49.1 147.3#
89 0.0 22.9 68.5#



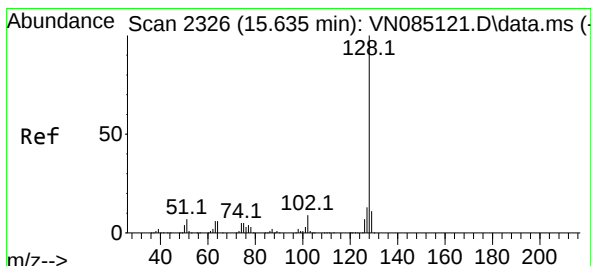
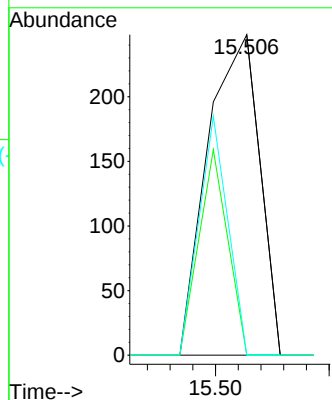
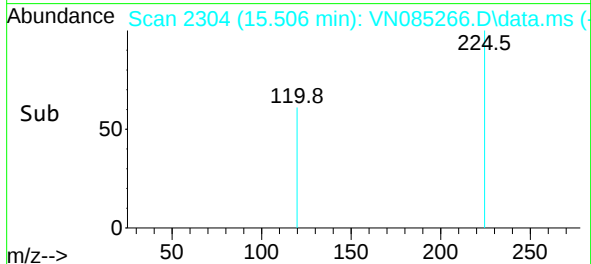


#90
Hexachlorobutadiene
Concen: 0.201 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:225 Resp: 157
Ion Ratio Lower Upper
225 100
223 0.0 0.0 121.8
227 0.0 0.0 126.8



#91
Naphthalene
Concen: 0.312 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085266.D
Acq: 19 Dec 2024 15:24

Tgt Ion:128 Resp: 1457
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.7 13.1#

