

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082095.D
 Acq On : 13 May 2024 14:46
 Operator : JC\MD
 Sample : P2443-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240508035-05

Quant Time: May 14 03:32:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

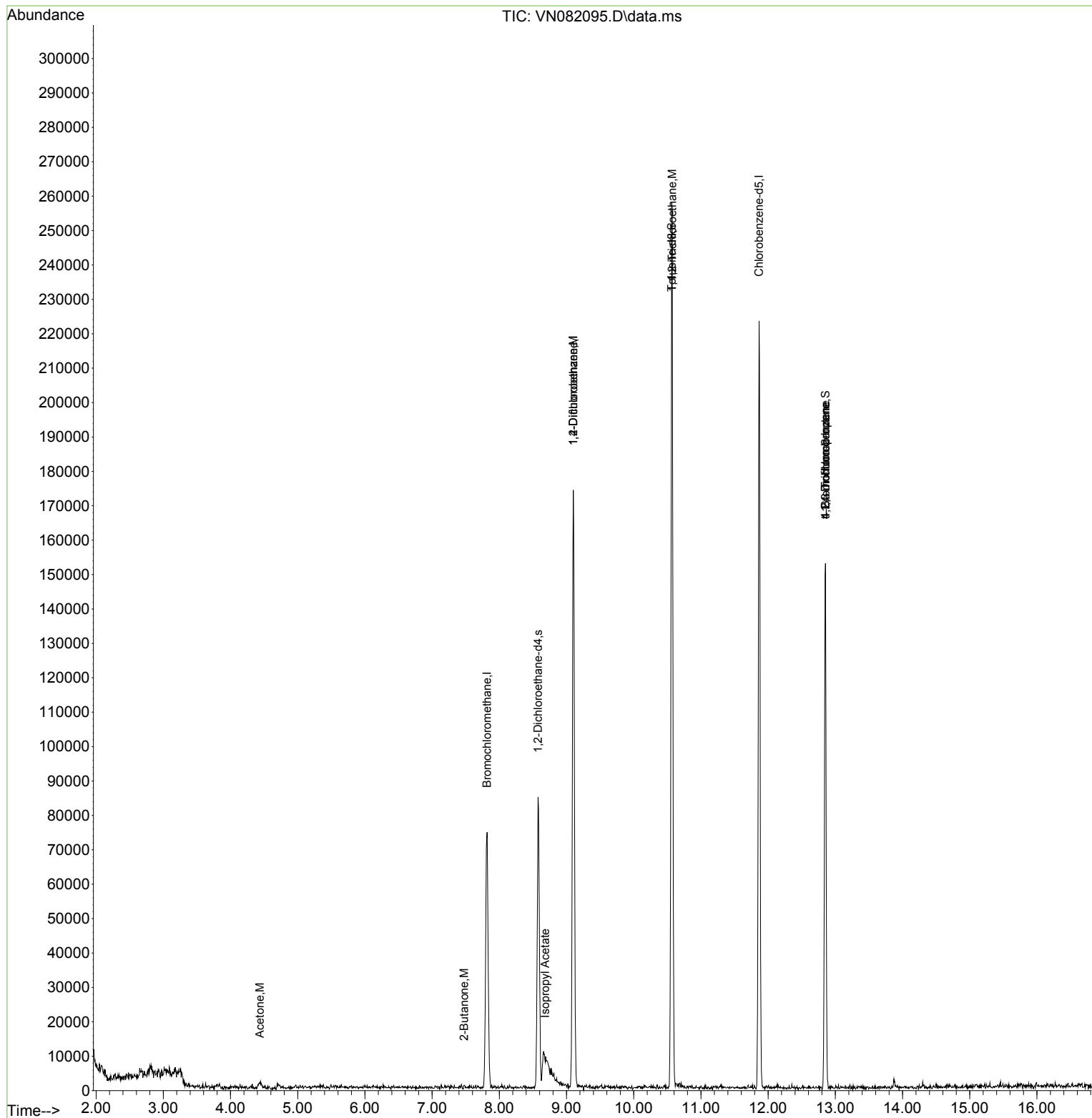
Internal Standards						
1) Bromochloromethane	7.818	128	22818	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	137786	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	114724	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	63640	33.312	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.033%#
60) 4-Bromofluorobenzene	12.853	95	50553	26.478	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.267%
63) Toluene-d8	10.565	98	171397	31.459	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.867%
Target Compounds						
					Qvalue	
15) Acetone	4.436	58	463	2.596	ug/l	# 1
30) 2-Butanone	7.477	43	218	0.206	ug/l	# 52
36) 1,2-Dichloroethane	9.100	62	5811	2.645	ug/l	# 72
44) Isopropyl Acetate	8.683	43	2120	0.518	ug/l	# 43
50) 1,1,2-Trichloroethane	10.571	97	6009	4.106	ug/l	# 1
72) 1,2,3-Trichloropropane	12.853	75	30225	17.043	ug/l	# 1
77) t-1,4-Dichloro-2-butene	12.853	75	30225	38.291	ug/l	# 12

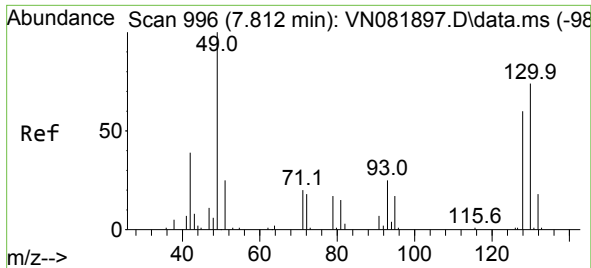
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration

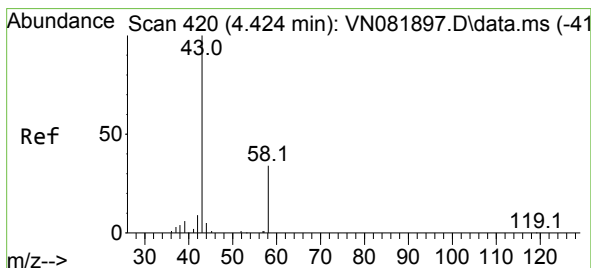
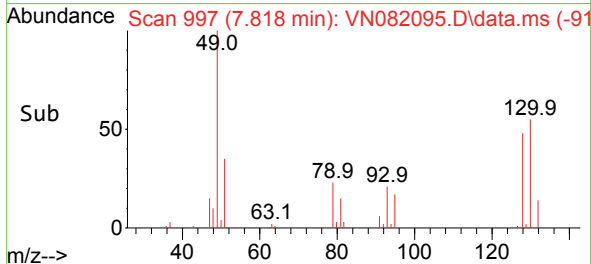
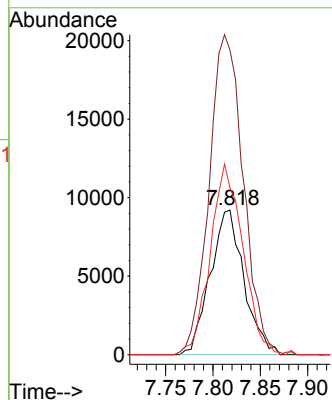
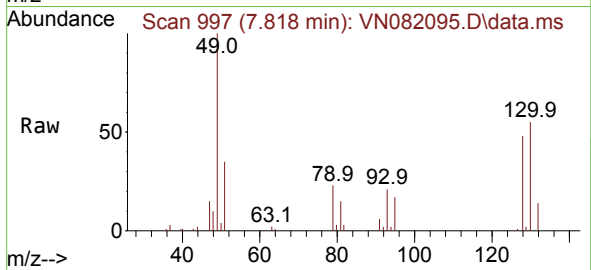




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN082095.D
Acq: 13 May 2024 14:46

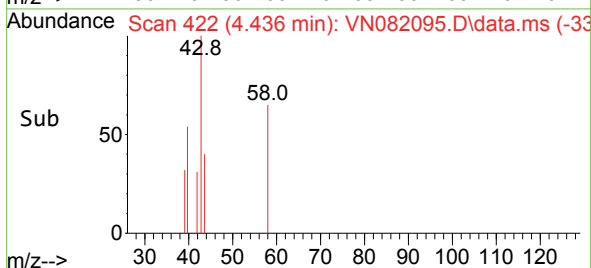
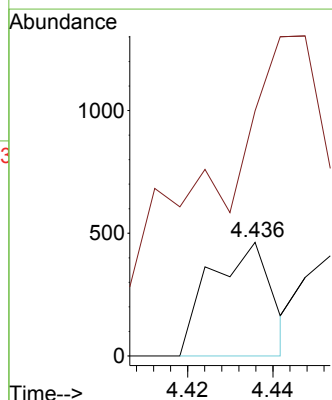
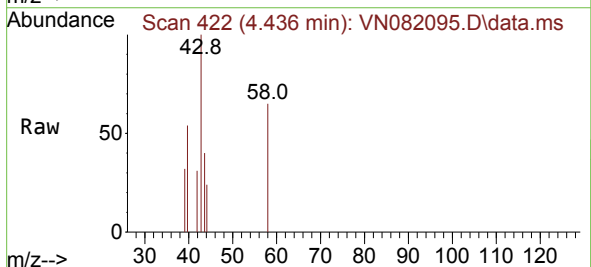
Instrument :
MSVOA_N
ClientSampleId :
240508035-05

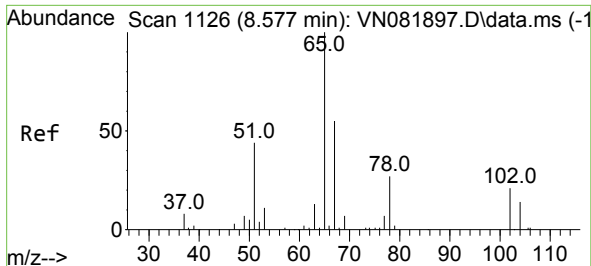
Tgt Ion:128 Resp: 22818
Ion Ratio Lower Upper
128 100
49 223.7 0.0 403.7
130 128.0 0.0 323.3



#15
Acetone
Concen: 2.596 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082095.D
Acq: 13 May 2024 14:46

Tgt Ion: 58 Resp: 463
Ion Ratio Lower Upper
58 100
43 84.4 223.1 334.7#

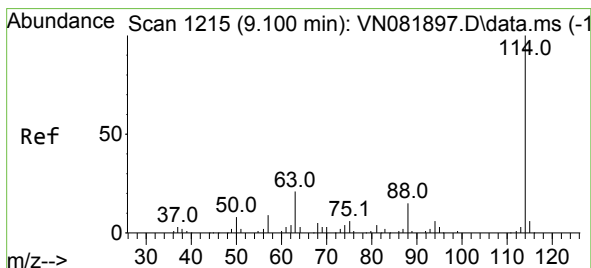
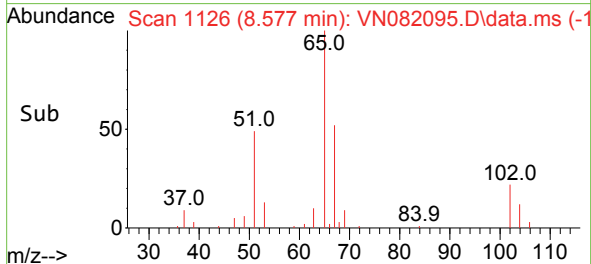
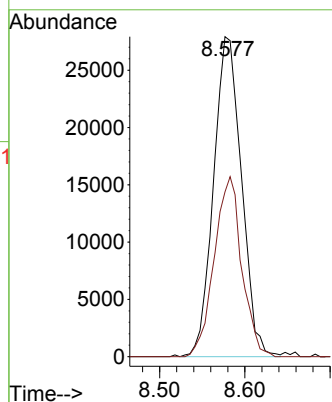
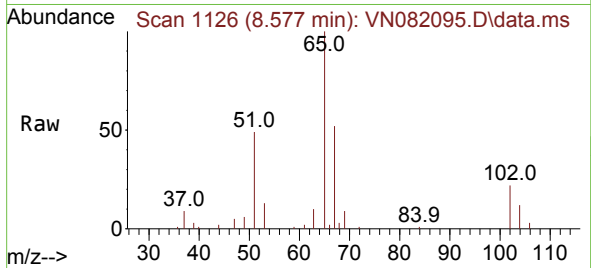




#27
1,2-Dichloroethane-d4
Concen: 33.312 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082095.D
Acq: 13 May 2024 14:46

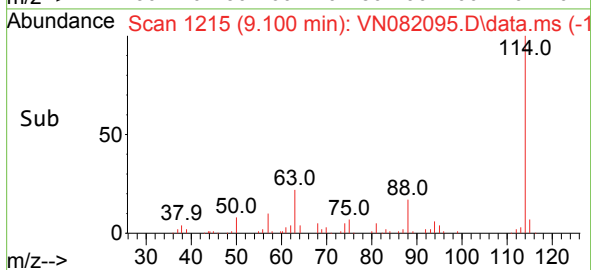
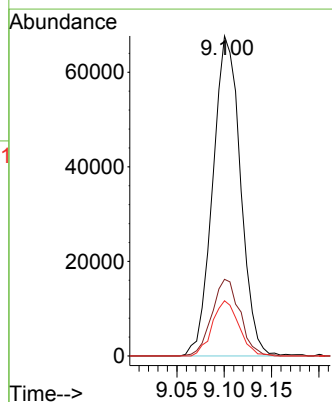
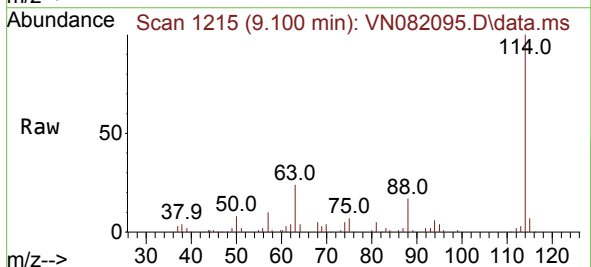
Instrument :
MSVOA_N
ClientSampleId :
240508035-05

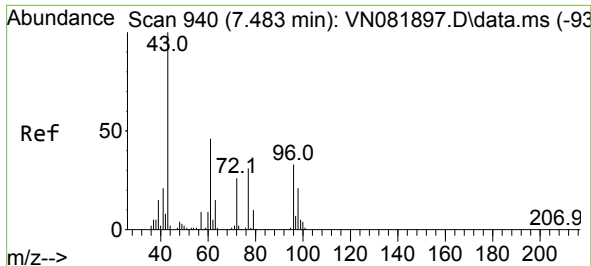
Tgt Ion: 65 Resp: 63640
Ion Ratio Lower Upper
65 100
67 55.4 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN082095.D
Acq: 13 May 2024 14:46

Tgt Ion: 114 Resp: 137786
Ion Ratio Lower Upper
114 100
63 24.1 15.9 23.9#
88 16.6 12.7 19.1

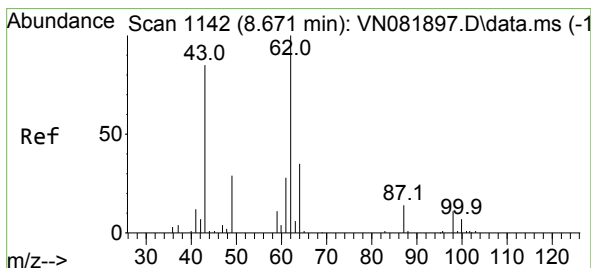
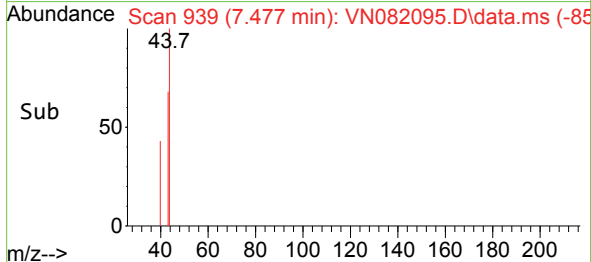
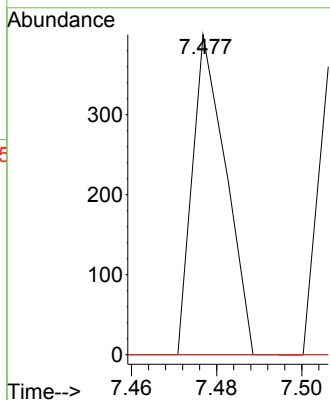
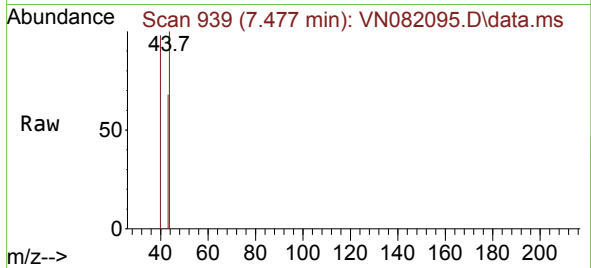




#30
2-Butanone
Concen: 0.206 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN082095.D
Acq: 13 May 2024 14:46

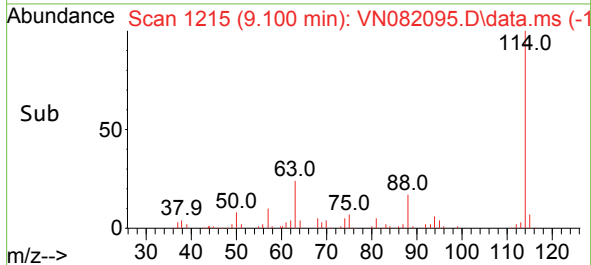
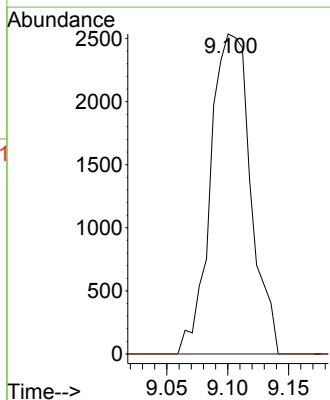
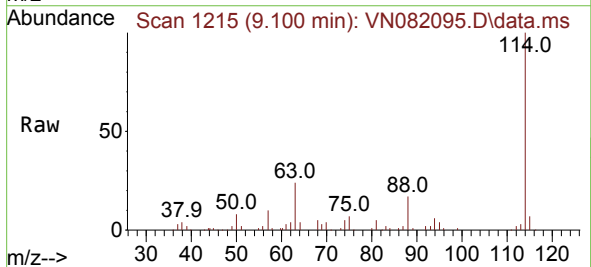
Instrument :
MSVOA_N
ClientSampleId :
240508035-05

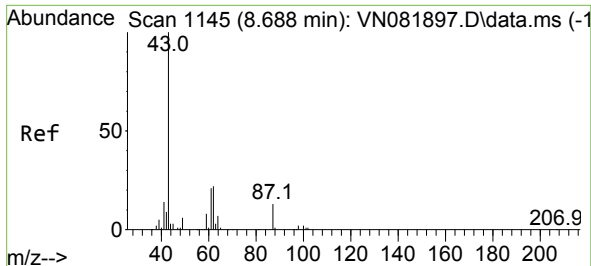
Tgt Ion: 43 Resp: 218
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#



#36
1,2-Dichloroethane
Concen: 2.645 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.429 min
Lab File: VN082095.D
Acq: 13 May 2024 14:46

Tgt Ion: 62 Resp: 5811
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#

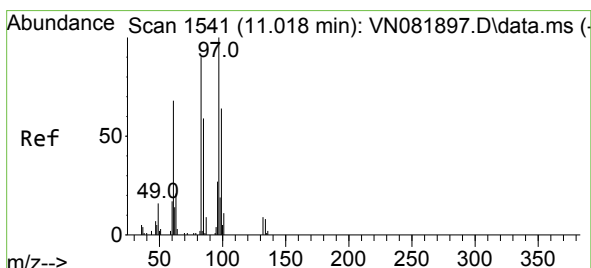
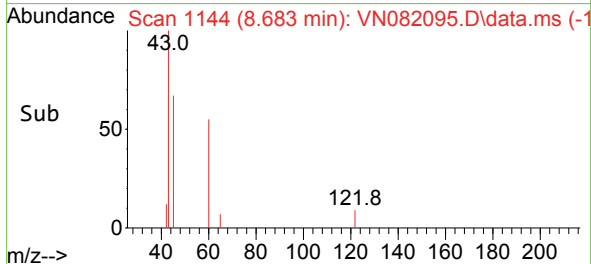
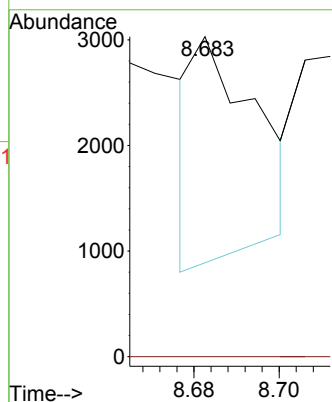
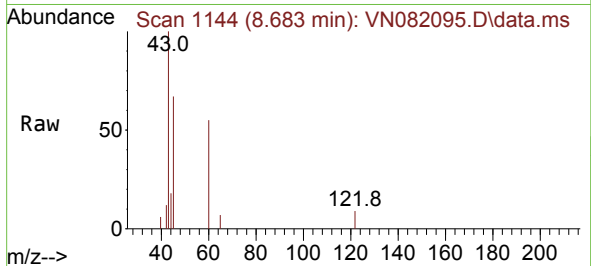




#44
Isopropyl Acetate
Concen: 0.518 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN082095.D
Acq: 13 May 2024 14:46

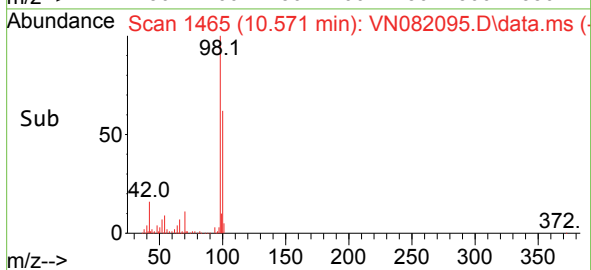
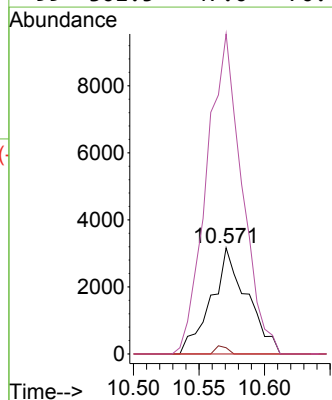
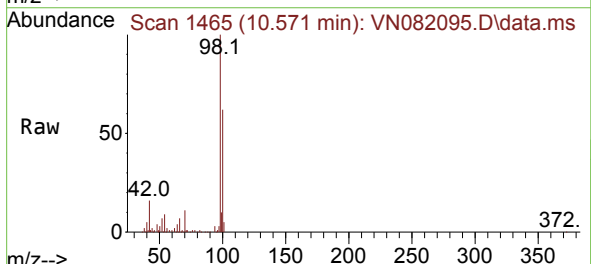
Instrument :
MSVOA_N
ClientSampleId :
240508035-05

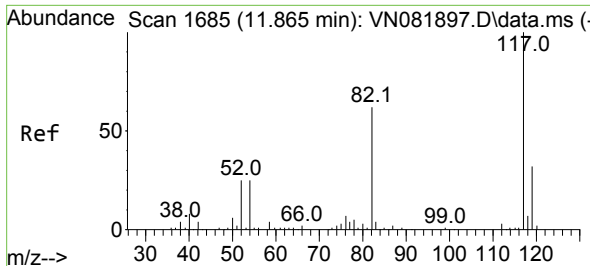
Tgt Ion: 43 Resp: 2120
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.4#



#50
1,1,2-Trichloroethane
Concen: 4.106 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN082095.D
Acq: 13 May 2024 14:46

Tgt Ion: 97 Resp: 6009
Ion Ratio Lower Upper
97 100
83 5.9 68.1 102.1#
85 0.0 41.8 62.6#
99 301.5 47.0 70.4#

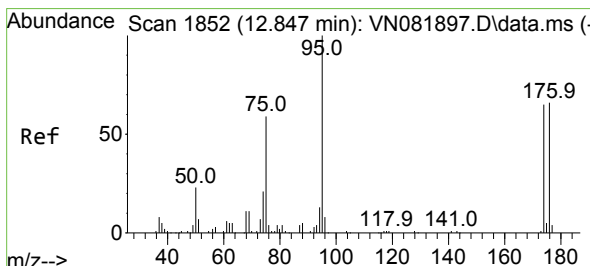
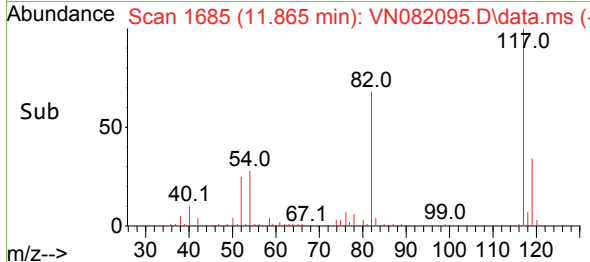
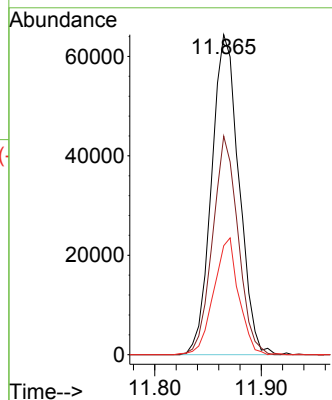
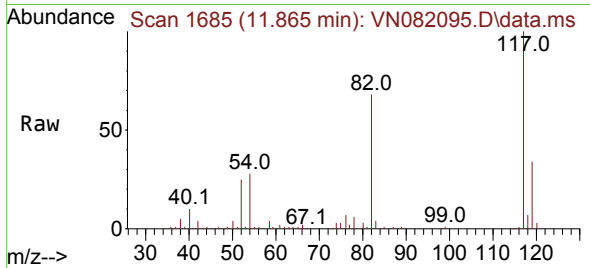




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082095.D
Acq: 13 May 2024 14:46

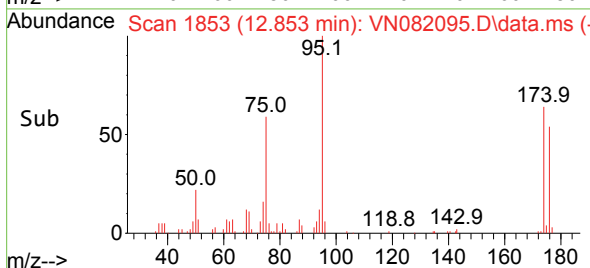
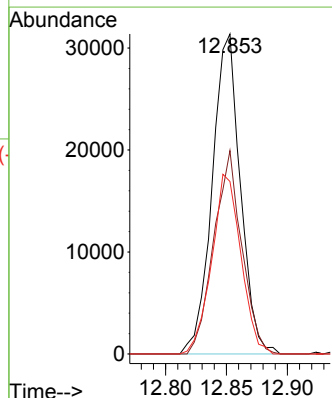
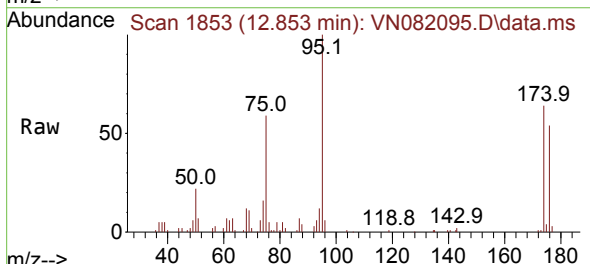
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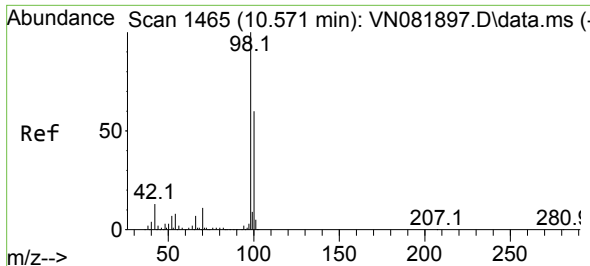
Tgt Ion:117 Resp: 114724
Ion Ratio Lower Upper
117 100
82 63.6 46.6 69.8
119 33.3 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 26.478 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082095.D
Acq: 13 May 2024 14:46

Tgt Ion: 95 Resp: 50553
Ion Ratio Lower Upper
95 100
174 63.2 60.5 90.7
176 58.3 57.8 86.6

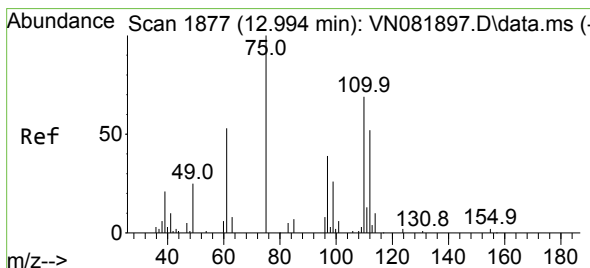
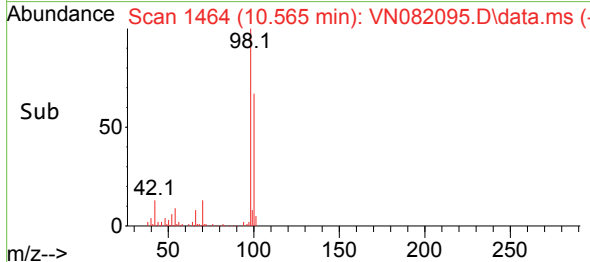
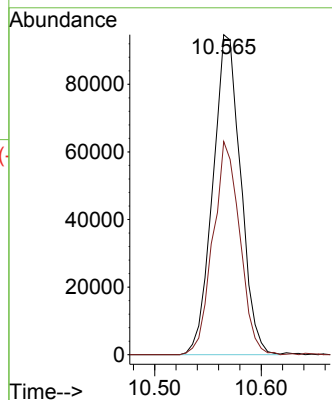
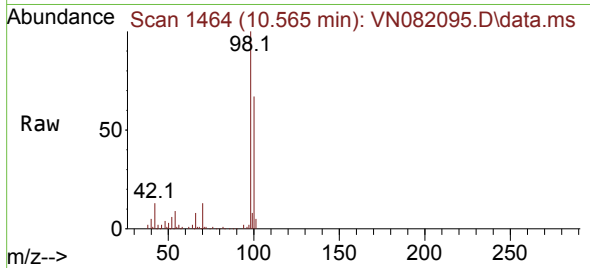




#63
Toluene-d8
Concen: 31.459 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082095.D
Acq: 13 May 2024 14:46

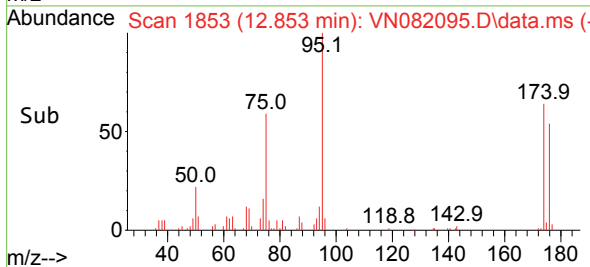
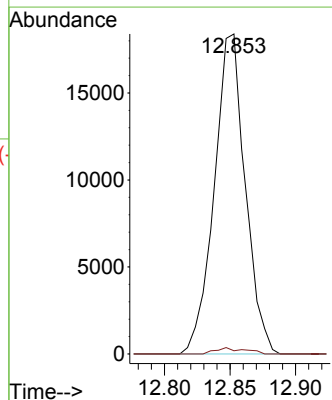
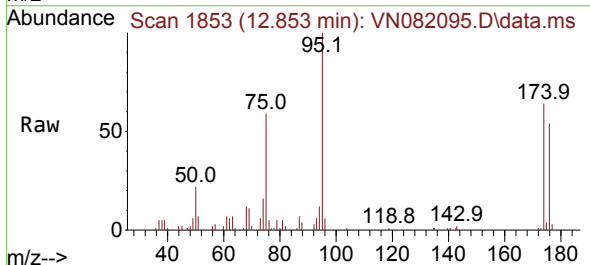
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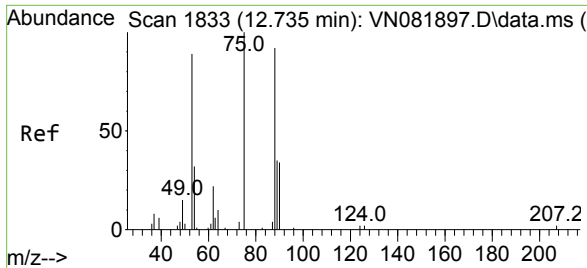
Tgt Ion: 98 Resp: 171397
Ion Ratio Lower Upper
98 100
100 64.2 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 17.043 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082095.D
Acq: 13 May 2024 14:46

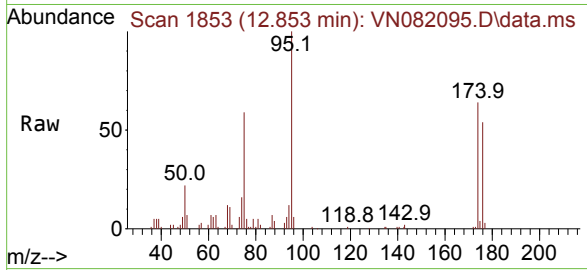
Tgt Ion: 75 Resp: 30225
Ion Ratio Lower Upper
75 100
77 0.8 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 38.291 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082095.D
 Acq: 13 May 2024 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 240508035-05



Tgt Ion: 75 Resp: 30225
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.7#
 89 0.0 25.9 77.7#

