Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
Data File : VN080006.D
Acq On : 08 Nov 2023 21:31
Operator : JC\MD
Sample : 05231-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 09 04:30:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.818	128	70569	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	330451	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	314719	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	182633	30.831	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.767%			
60) 4-Bromofluorobenzene	12.853	95	117274	23.302	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 77.667%			
63) Toluene-d8	10.571	98	420826	28.221	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 94.067%			
Target Compounds						Qvalue
18) Methylene Chloride	5.283	84	1079	0.221	ug/l #	87
25) Chloroform	7.965	83	6601	0.722	ug/l #	81
38) Methylcyclohexane	9.888	83	1150	0.216	ug/l #	17
56) Bromoform	12.847	173	1042	0.378	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	1453	0.276	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	62646	11.627	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	62646	35.508	ug/l #	7

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

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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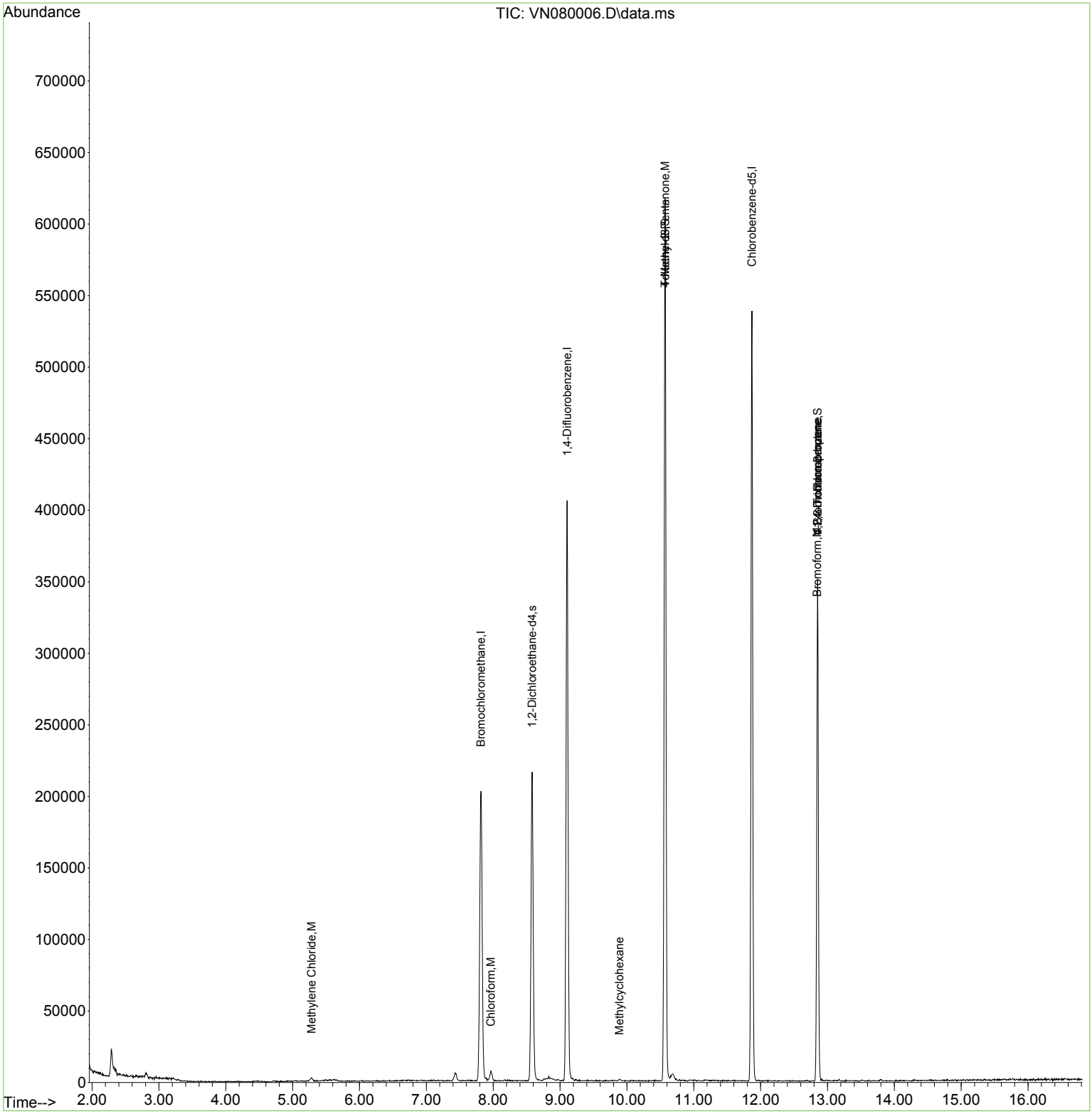
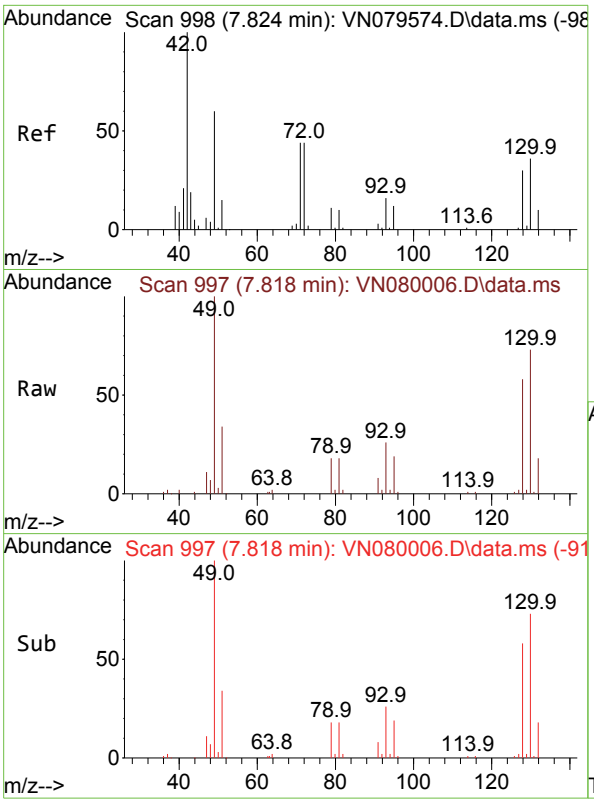


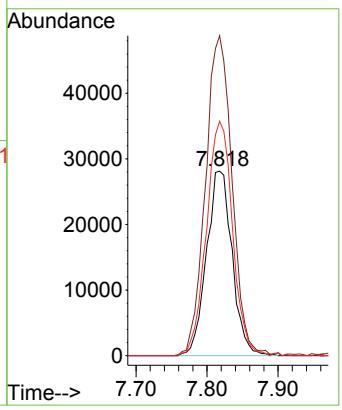


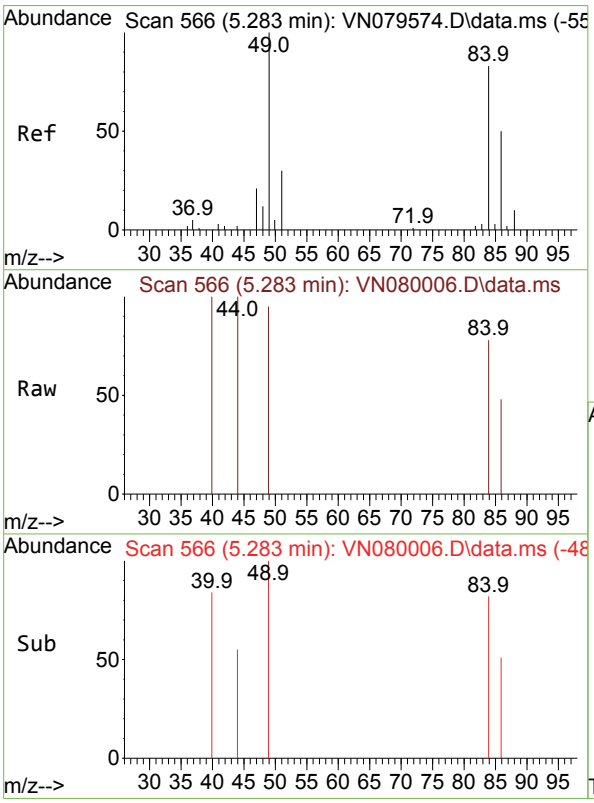
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN080006.D
Acq: 08 Nov 2023 21:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 70569

Ion	Ratio	Lower	Upper
128	100		
49	179.0	0.0	468.5
130	129.4	0.0	320.7

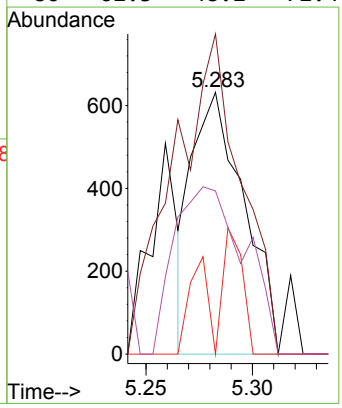


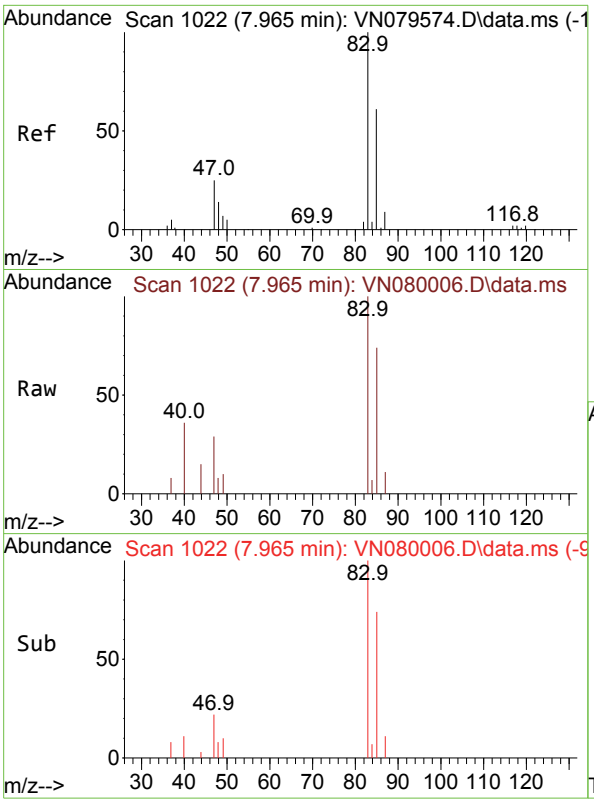


#18
Methylene Chloride
Concen: 0.221 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN080006.D
Acq: 08 Nov 2023 21:31

Tgt Ion: 84 Resp: 1079

Ion	Ratio	Lower	Upper
84	100		
49	122.3	100.9	151.3
51	0.0	29.4	44.2#
86	62.3	48.2	72.4



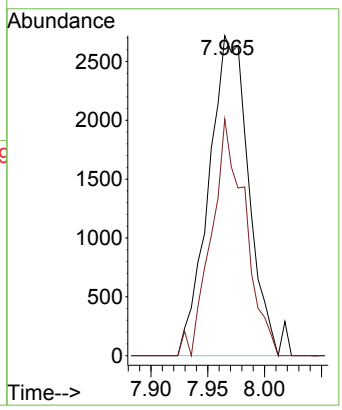


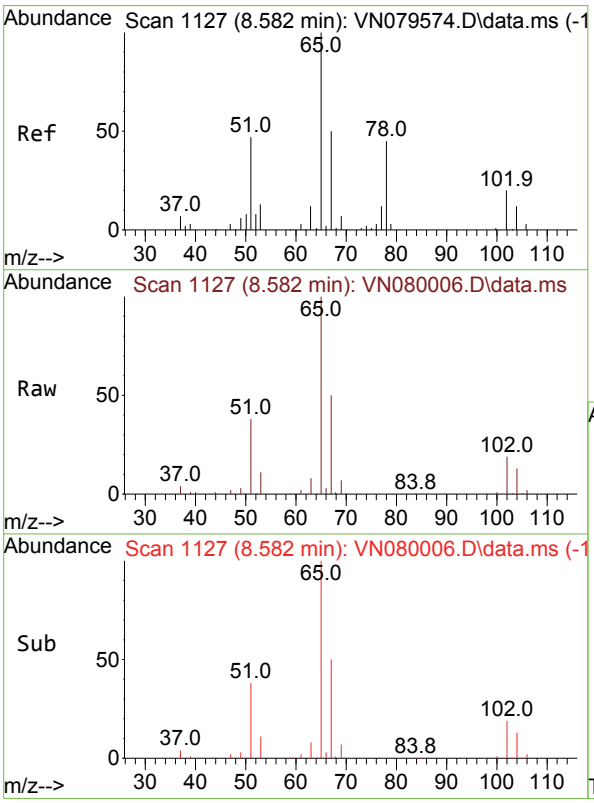
#25
Chloroform
Concen: 0.722 ug/l
RT: 7.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN080006.D
Acq: 08 Nov 2023 21:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 83 Resp: 6601

Ion	Ratio	Lower	Upper
83	100		
85	73.9	47.4	71.2#

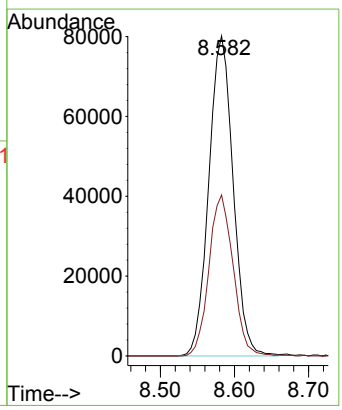


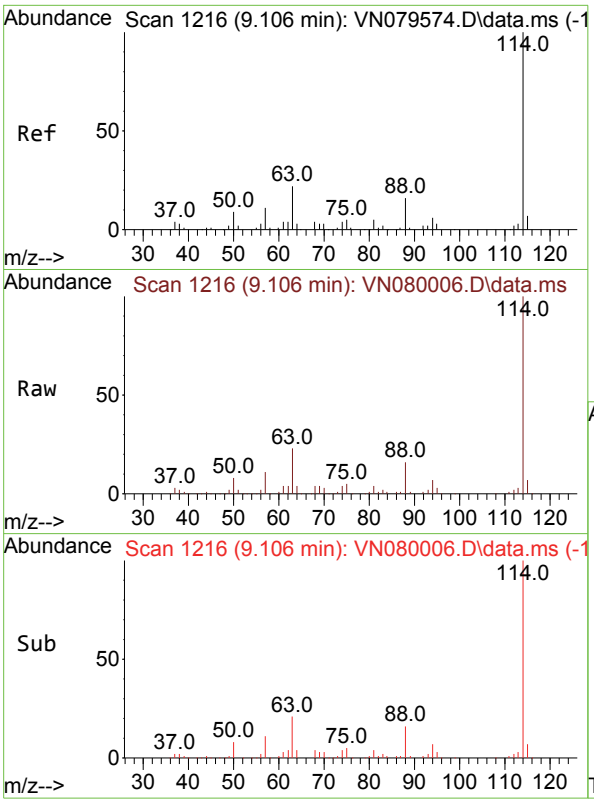


#27
1,2-Dichloroethane-d4
Concen: 30.831 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080006.D
Acq: 08 Nov 2023 21:31

Tgt Ion: 65 Resp: 182633

Ion	Ratio	Lower	Upper
65	100		
67	50.0	42.1	63.1



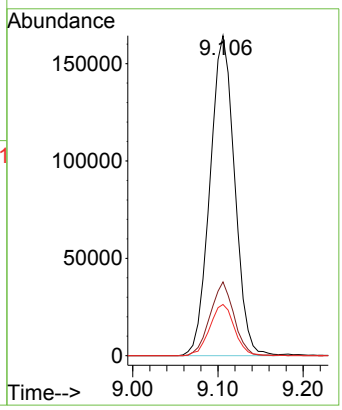


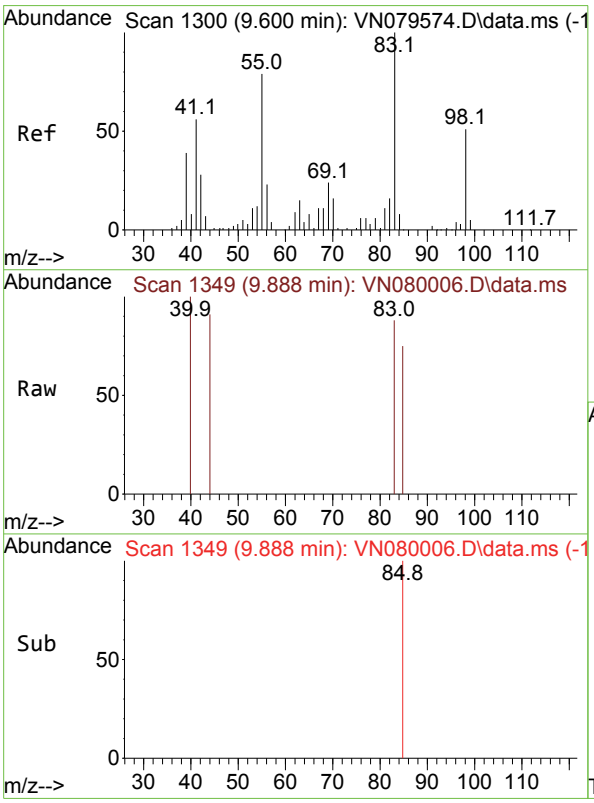
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN080006.D
Acq: 08 Nov 2023 21:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:114 Resp: 330451

Ion	Ratio	Lower	Upper
114	100		
63	22.2	18.1	27.1
88	16.0	12.2	18.2

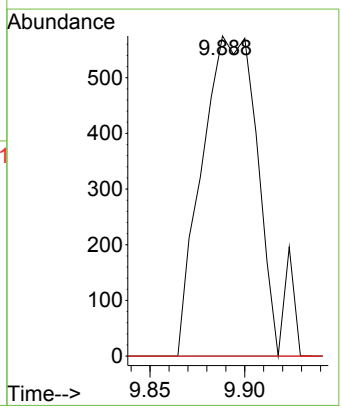


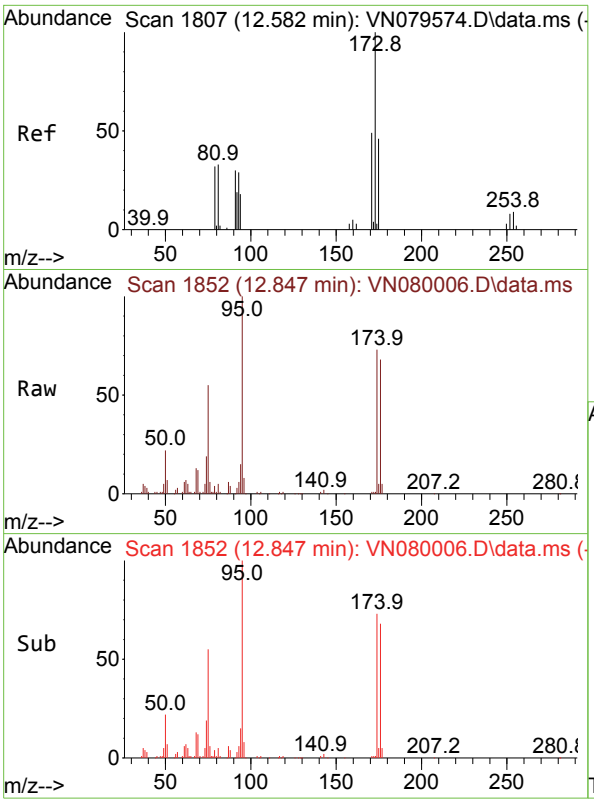


#38
Methylcyclohexane
Concen: 0.216 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.288 min
Lab File: VN080006.D
Acq: 08 Nov 2023 21:31

Tgt Ion: 83 Resp: 1150

Ion	Ratio	Lower	Upper
83	100		
55	0.0	39.7	119.1#
98	0.0	24.4	73.2#



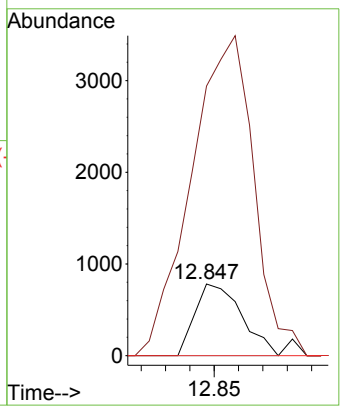


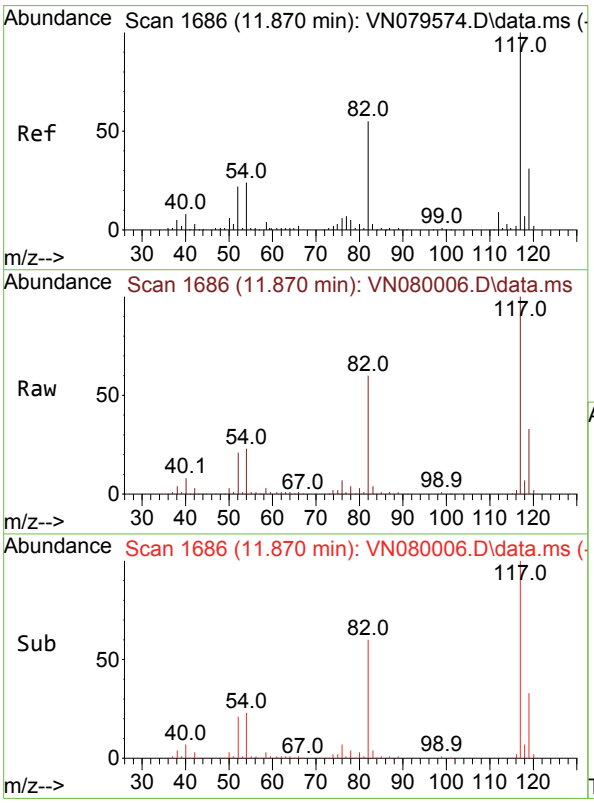
#56
Bromoform
Concen: 0.378 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.265 min
Lab File: VN080006.D
Acq: 08 Nov 2023 21:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:173 Resp: 1042

Ion	Ratio	Lower	Upper
173	100		
175	598.2	37.9	56.9#
254	0.0	7.3	10.9#

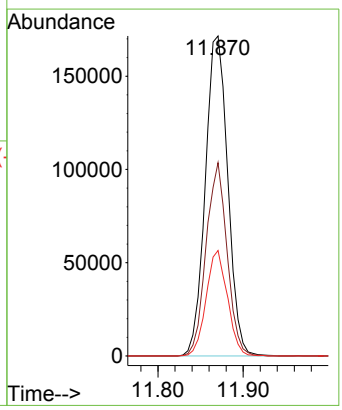


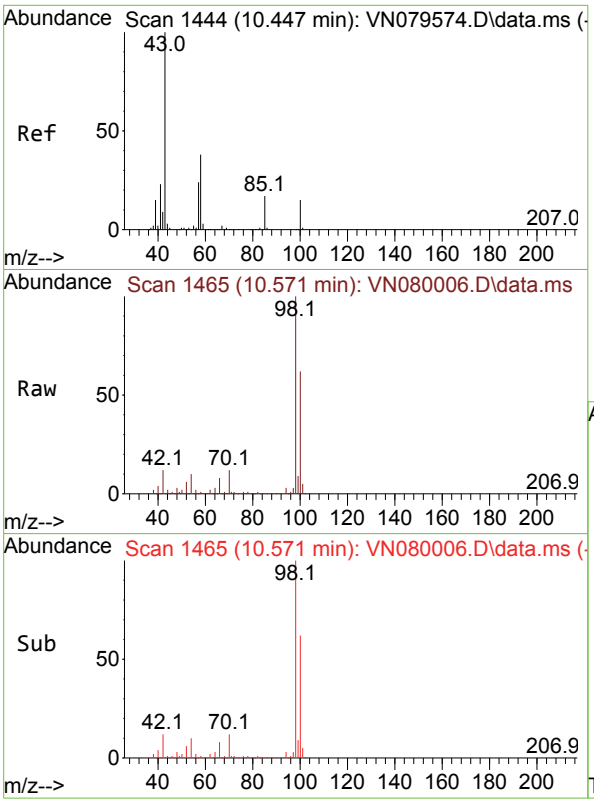


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080006.D
Acq: 08 Nov 2023 21:31

Tgt Ion:117 Resp: 314719

Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.2	69.2
119	31.2	25.2	37.8



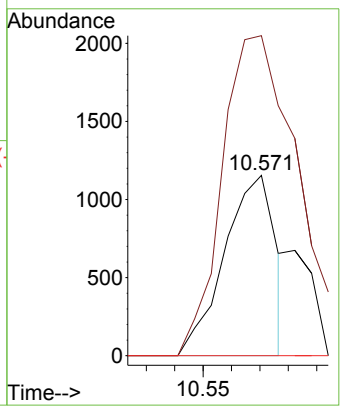


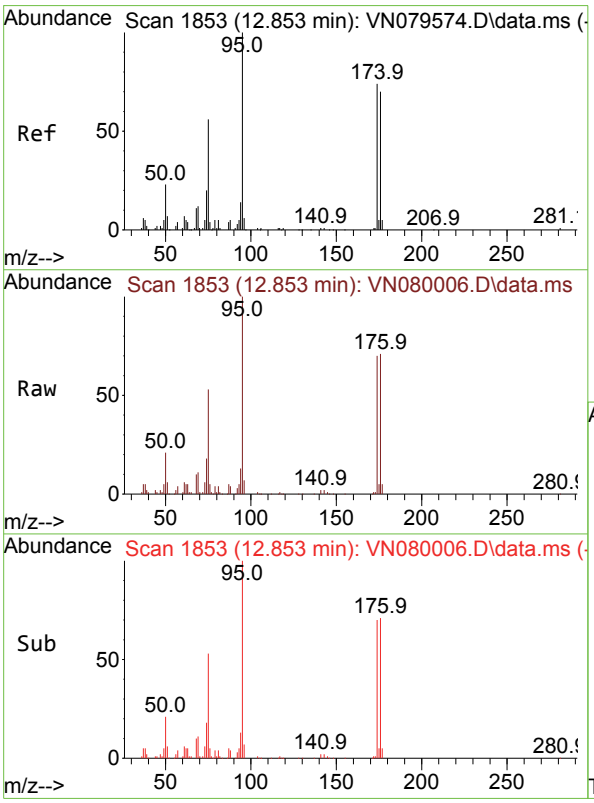
#58
4-Methyl-2-Pentanone
Concen: 0.276 ug/l
RT: 10.571 min Scan# 14
Delta R.T. 0.124 min
Lab File: VN080006.D
Acq: 08 Nov 2023 21:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 1453

Ion	Ratio	Lower	Upper
43	100		
58	259.6	30.4	45.6#
85	0.0	13.2	19.8#

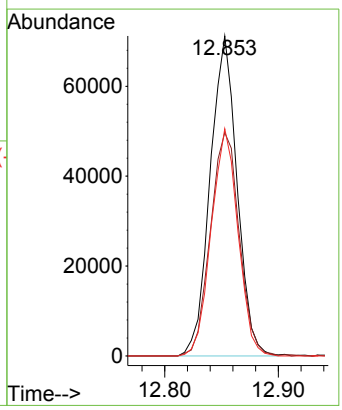


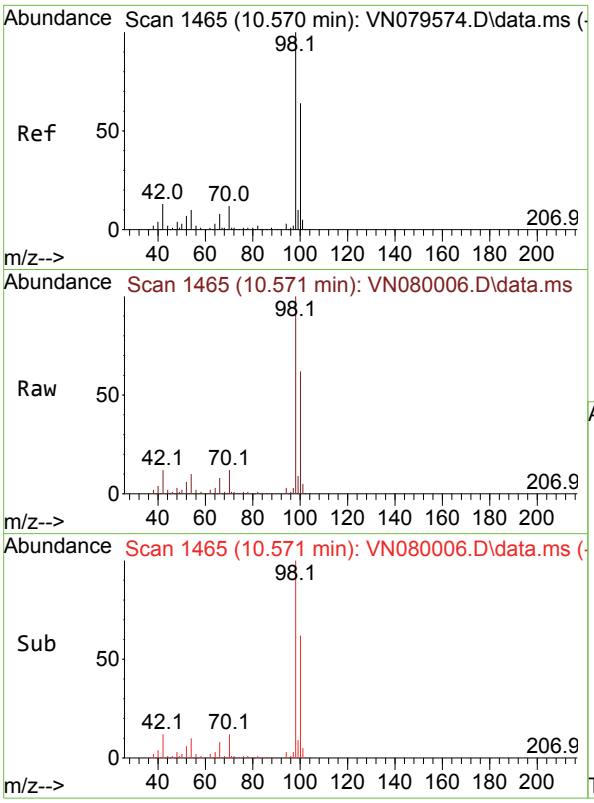


#60
4-Bromofluorobenzene
Concen: 23.302 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080006.D
Acq: 08 Nov 2023 21:31

Tgt Ion: 95 Resp: 117274

Ion	Ratio	Lower	Upper
95	100		
174	74.8	60.5	90.7
176	70.5	57.2	85.8



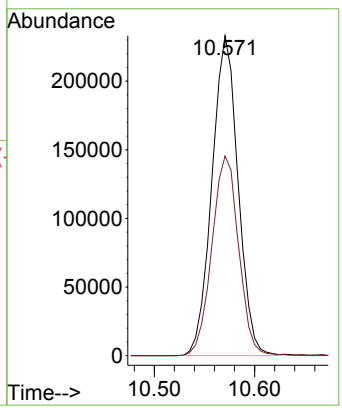


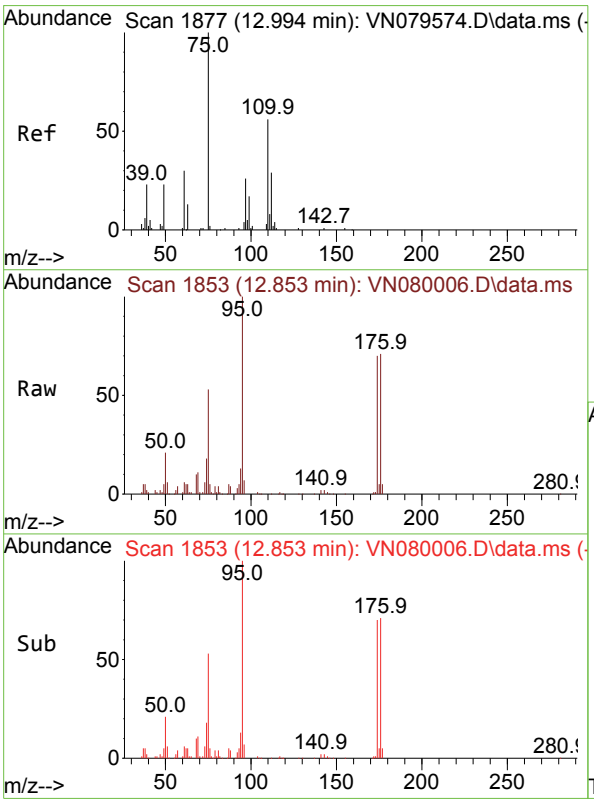
#63
Toluene-d8
Concen: 28.221 ug/l
RT: 10.571 min Scan# 14
Delta R.T. 0.001 min
Lab File: VN080006.D
Acq: 08 Nov 2023 21:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 420826

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4

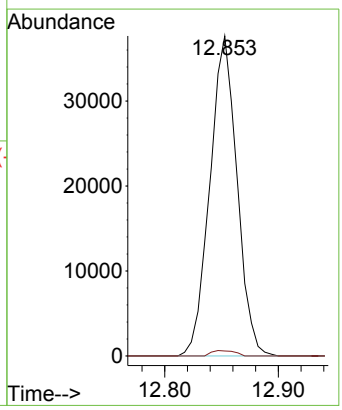


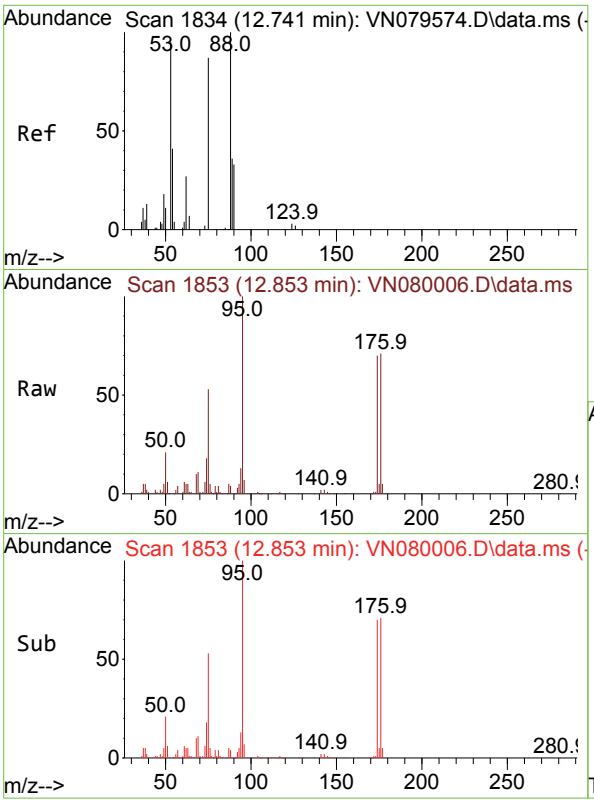


#72
1,2,3-Trichloropropane
Concen: 11.627 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080006.D
Acq: 08 Nov 2023 21:31

Tgt Ion: 75 Resp: 62646

Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	338.2





#77
t-1,4-Dichloro-2-butene
Concen: 35.508 ug/l
RT: 12.853 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN080006.D
Acq: 08 Nov 2023 21:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 62646

Ion	Ratio	Lower	Upper
75	100		
53	0.0	53.0	159.1#
89	0.0	22.6	67.7#