Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021523\
Data File : VN076697.D
Acq On : 15 Feb 2023 20:04
Operator : JC\MD
Sample : 01553-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 16 04:36:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Feb 16 01:08:46 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.831	128	25930	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	9.107	114	166408	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.872	117	182126	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	77874	32.836	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.467%			
60) 4-Bromofluorobenzene	12.854	95	77623	24.096	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 80.333%			
63) Toluene-d8	10.572	98	180753	28.334	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 94.433%			
Target Compounds						Qvalue
5) Bromomethane	2.972	94	553	0.223	ug/l #	72
13) Acrolein	4.207	56	233	0.374	ug/l #	15
36) 1,2-Dichloroethane	9.113	62	6051	1.492	ug/l #	75
50) 1,1,2-Trichloroethane	10.572	97	7110	2.435	ug/l #	1
56) Bromoform	12.848	173	896	0.434	ug/l #	1
58) 4-Methyl-2-Pentanone	10.572	43	1007	0.232	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.854	75	42801	34.747	ug/l #	9

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

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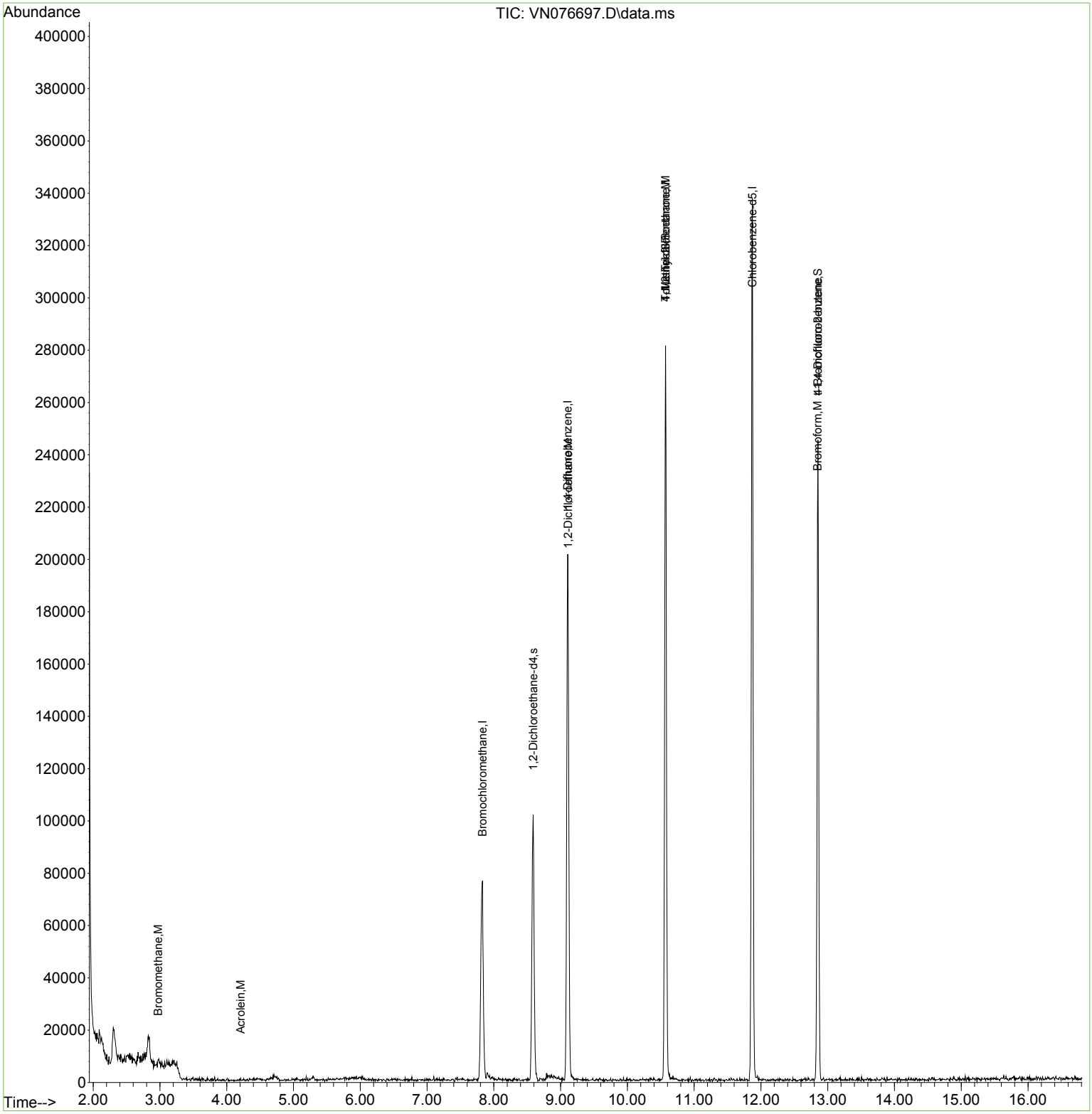
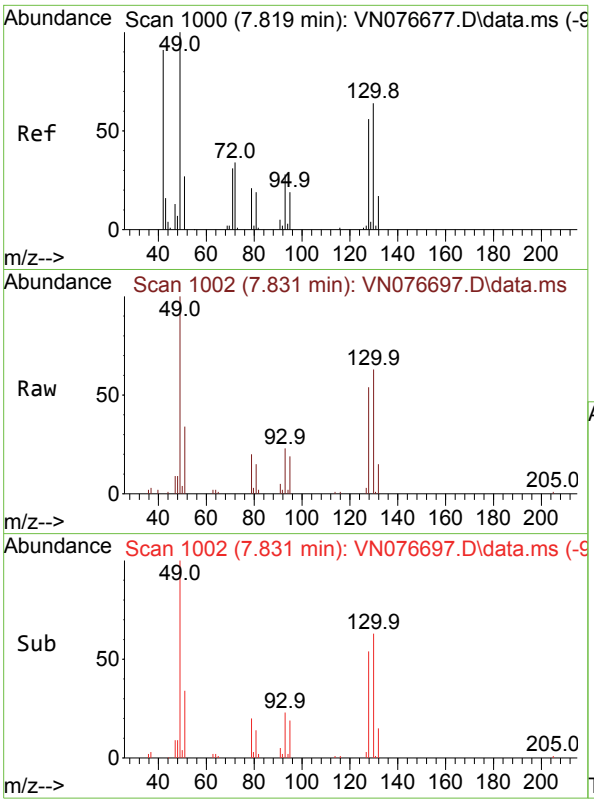


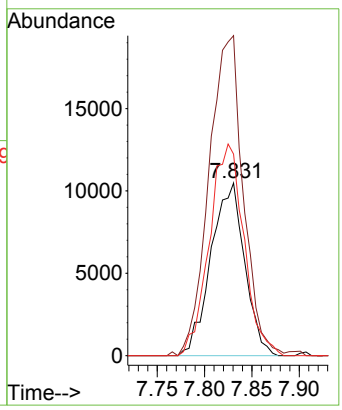


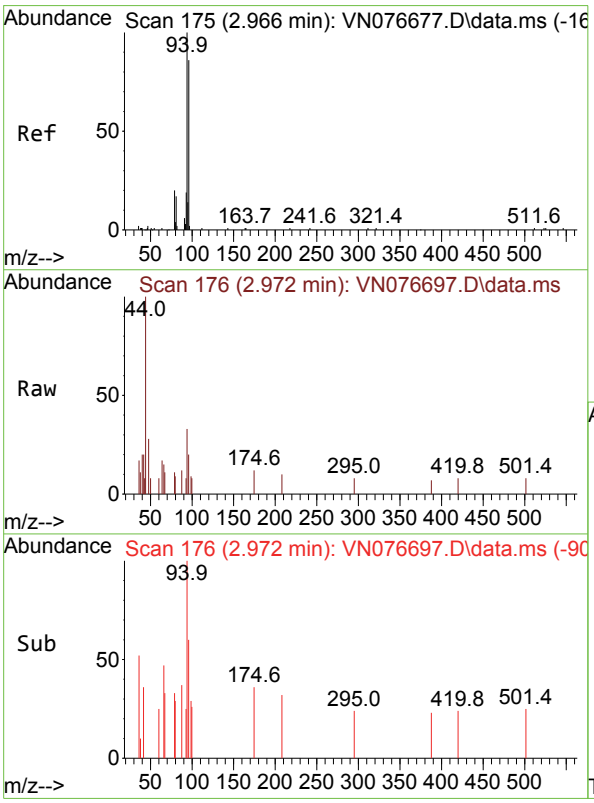
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.831 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN076697.D
Acq: 15 Feb 2023 20:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 25930

Ion	Ratio	Lower	Upper
128	100		
49	188.2	0.0	461.8
130	125.8	0.0	295.3

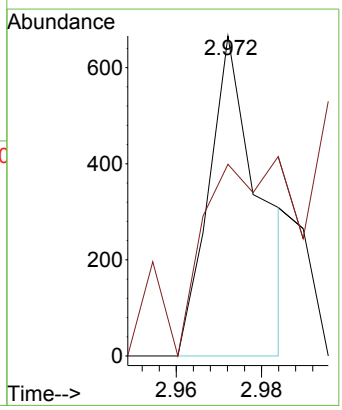


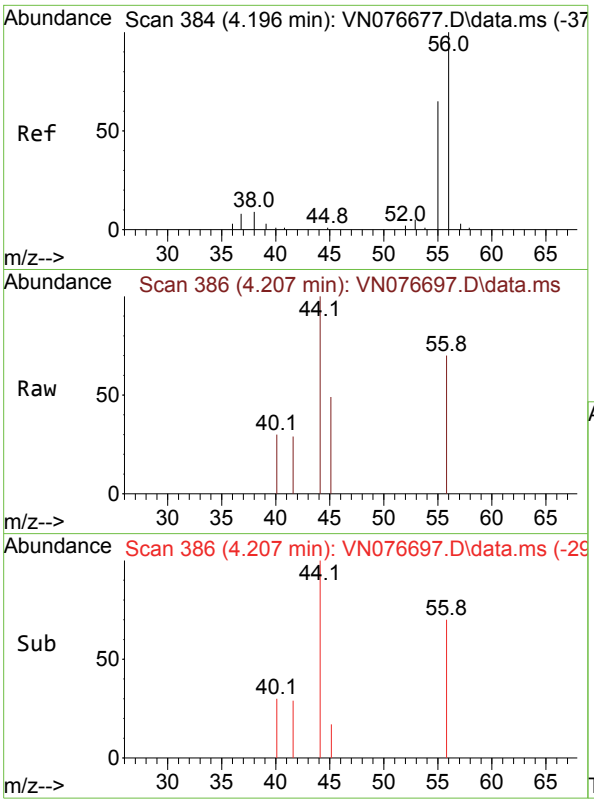


#5
Bromomethane
Concen: 0.223 ug/l
RT: 2.972 min Scan# 176
Delta R.T. 0.006 min
Lab File: VN076697.D
Acq: 15 Feb 2023 20:04

Tgt Ion: 94 Resp: 553

Ion	Ratio	Lower	Upper
94	100		
96	59.9	68.6	103.0#



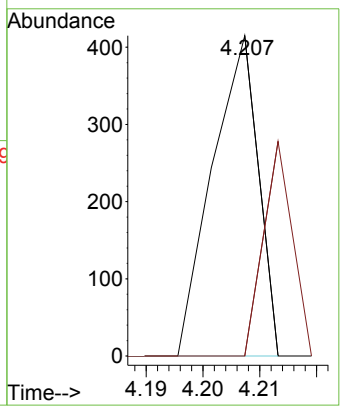


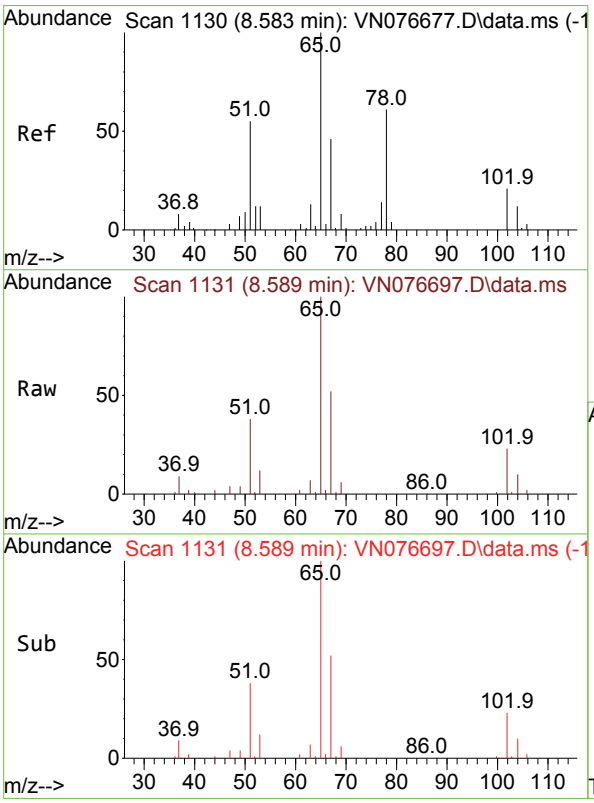
#13
Acrolein
Concen: 0.374 ug/l
RT: 4.207 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN076697.D
Acq: 15 Feb 2023 20:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 233

Ion	Ratio	Lower	Upper
56	100		
55	0.0	55.0	82.4#

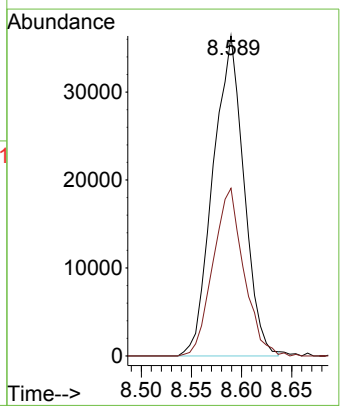


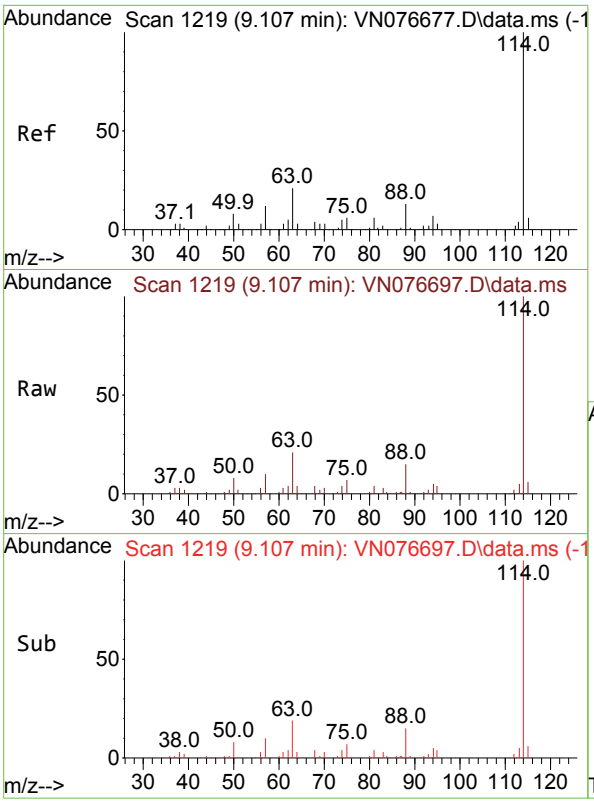


#27
1,2-Dichloroethane-d4
Concen: 32.836 ug/l
RT: 8.589 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN076697.D
Acq: 15 Feb 2023 20:04

Tgt Ion: 65 Resp: 77874

Ion	Ratio	Lower	Upper
65	100		
67	52.3	40.9	61.3



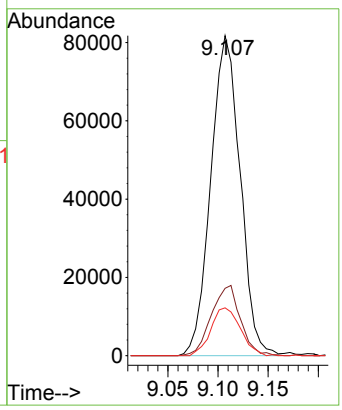


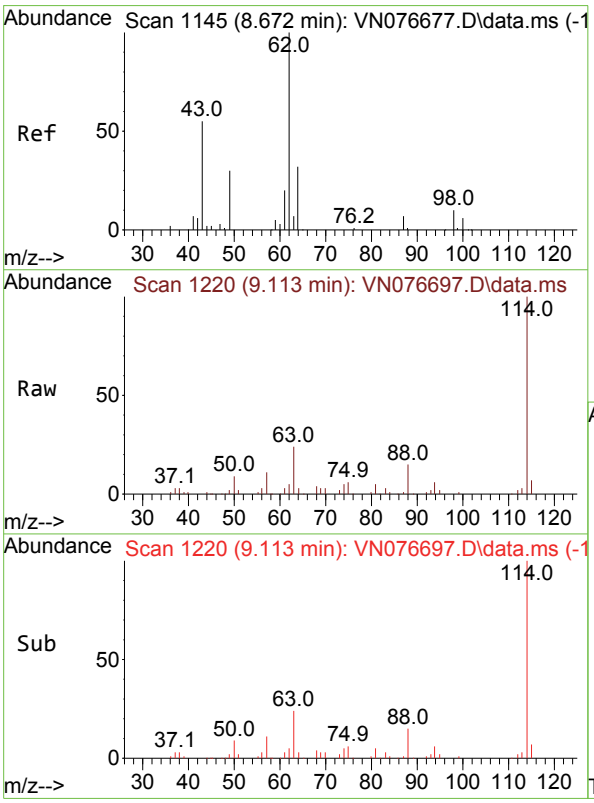
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN076697.D
Acq: 15 Feb 2023 20:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:114 Resp: 166408

Ion	Ratio	Lower	Upper
114	100		
63	21.7	17.0	25.4
88	15.1	11.6	17.4

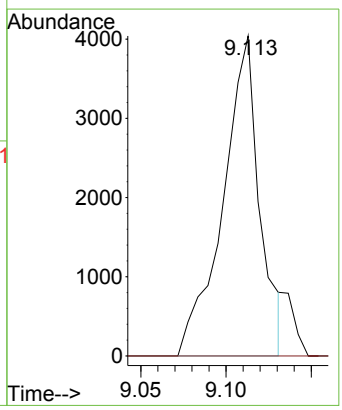


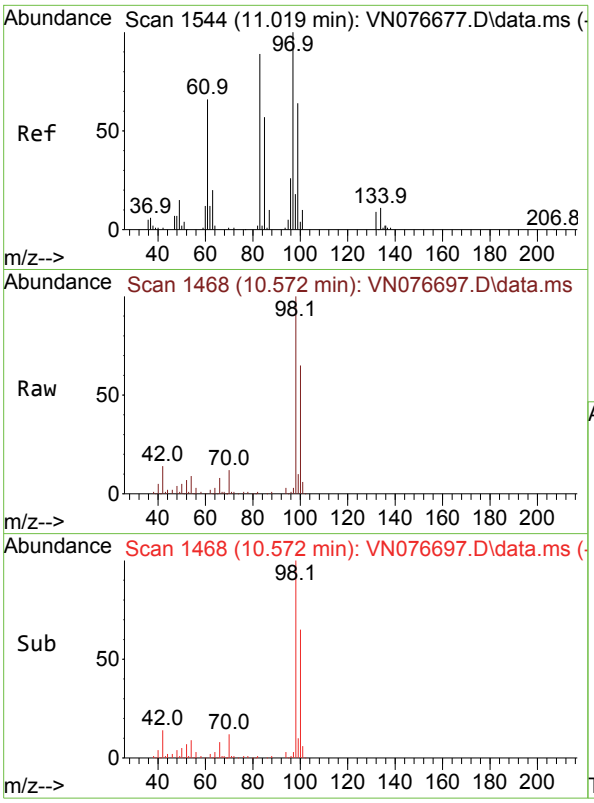


#36
1,2-Dichloroethane
Concen: 1.492 ug/l
RT: 9.113 min Scan# 1220
Delta R.T. 0.441 min
Lab File: VN076697.D
Acq: 15 Feb 2023 20:04

Tgt Ion: 62 Resp: 6051

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.4	11.0#



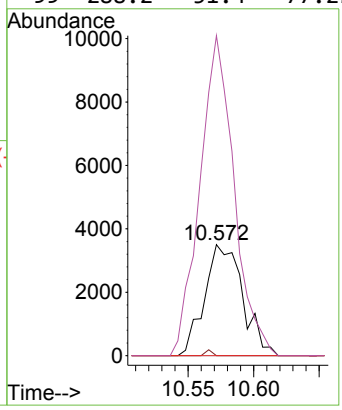


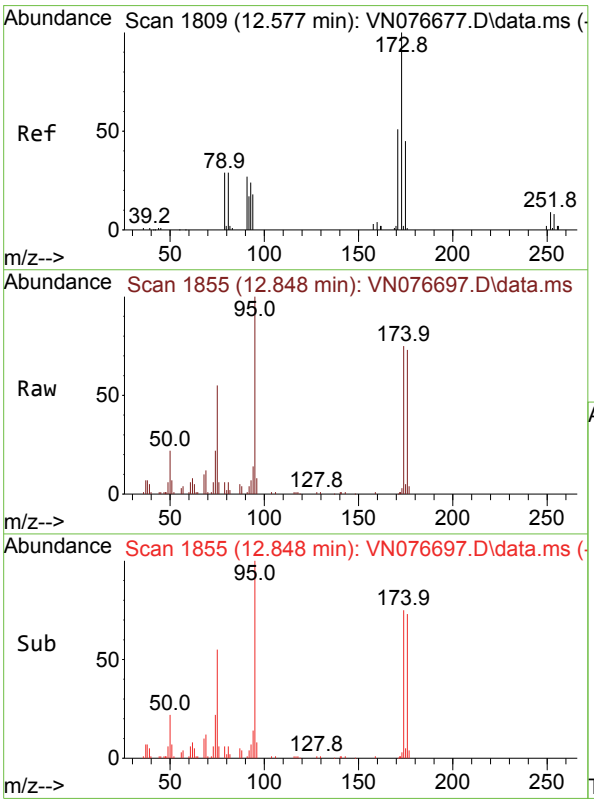
#50
1,1,2-Trichloroethane
Concen: 2.435 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.447 min
Lab File: VN076697.D
Acq: 15 Feb 2023 20:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 97 Resp: 7110

Ion	Ratio	Lower	Upper
97	100		
83	0.0	71.0	106.4#
85	0.0	45.5	68.3#
99	288.2	51.4	77.2#

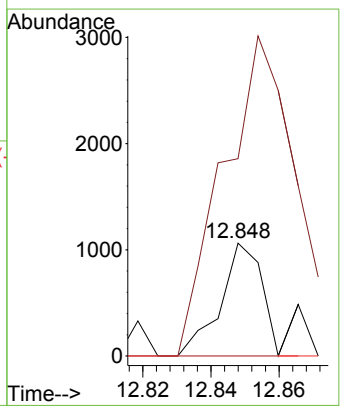


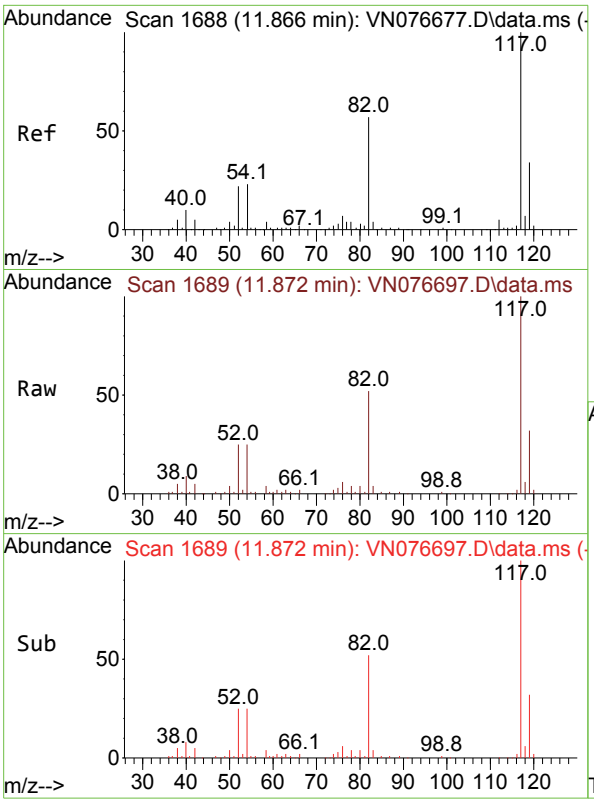


#56
Bromoform
Concen: 0.434 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.271 min
Lab File: VN076697.D
Acq: 15 Feb 2023 20:04

Tgt Ion:173 Resp: 896

Ion	Ratio	Lower	Upper
173	100		
175	512.4	37.8	56.6#
254	0.0	7.3	10.9#



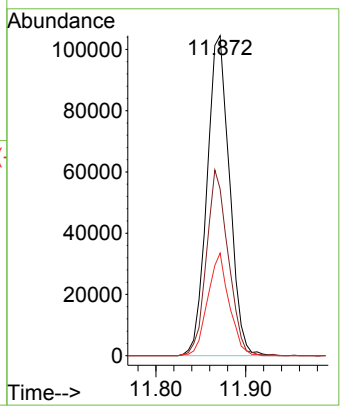


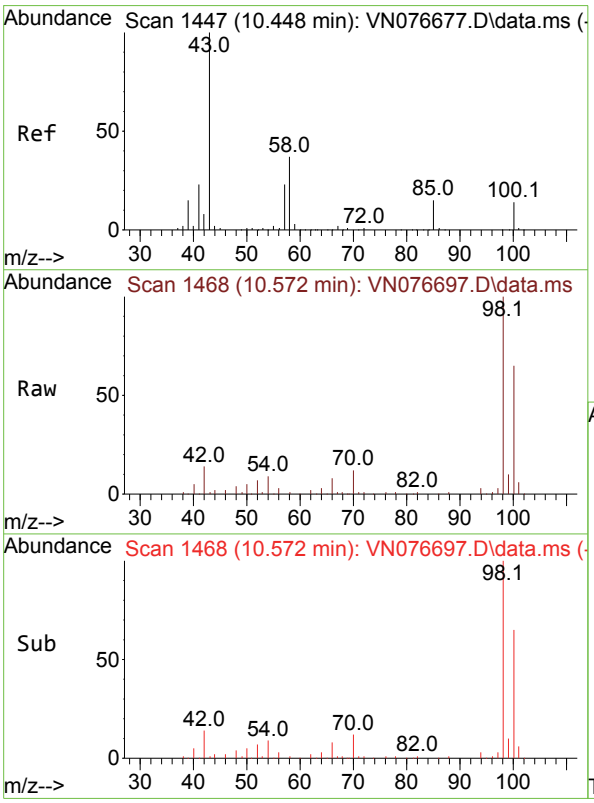
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN076697.D
Acq: 15 Feb 2023 20:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 182126

Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.4	68.0
119	30.6	26.8	40.2

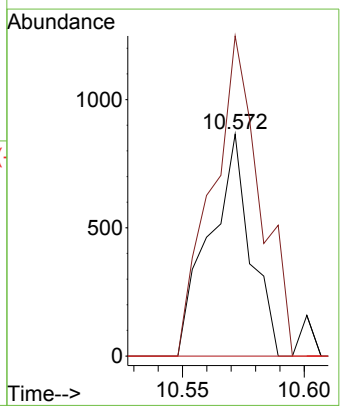


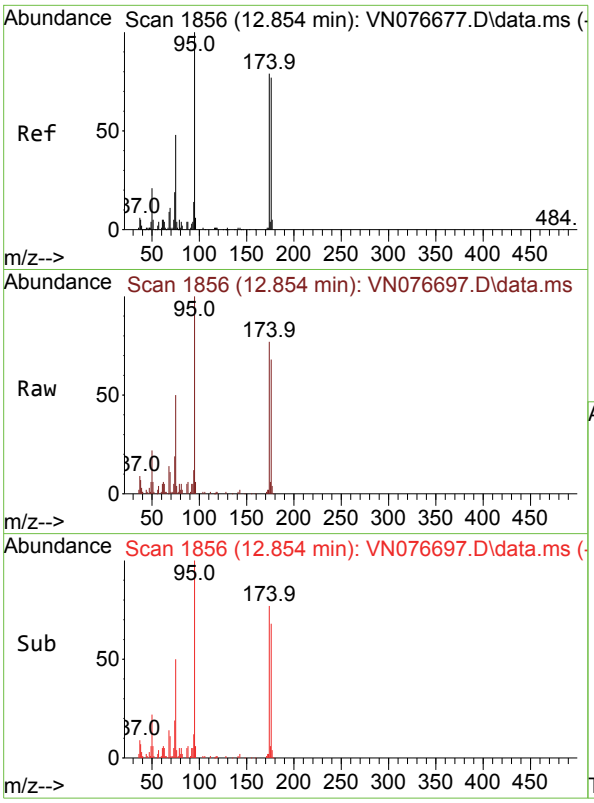


#58
4-Methyl-2-Pentanone
Concen: 0.232 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.124 min
Lab File: VN076697.D
Acq: 15 Feb 2023 20:04

Tgt Ion: 43 Resp: 1007

Ion	Ratio	Lower	Upper
43	100		
58	169.4	28.6	42.8#
85	0.0	11.8	17.8#



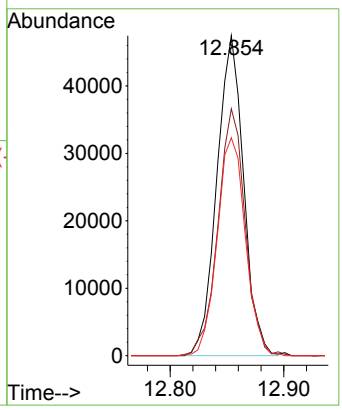


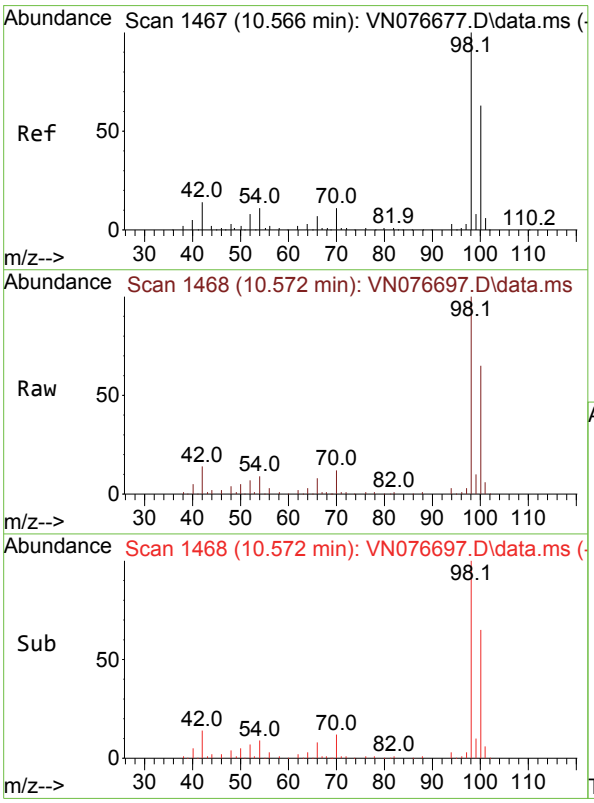
#60
4-Bromofluorobenzene
Concen: 24.096 ug/l
RT: 12.854 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN076697.D
Acq: 15 Feb 2023 20:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 77623

Ion	Ratio	Lower	Upper
95	100		
174	78.2	64.2	96.4
176	72.0	61.4	92.0

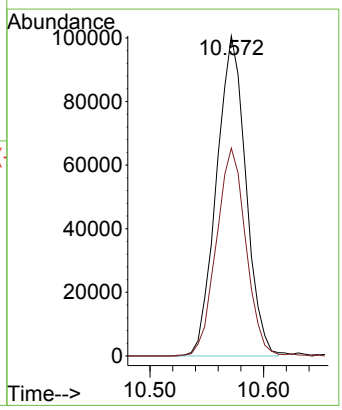


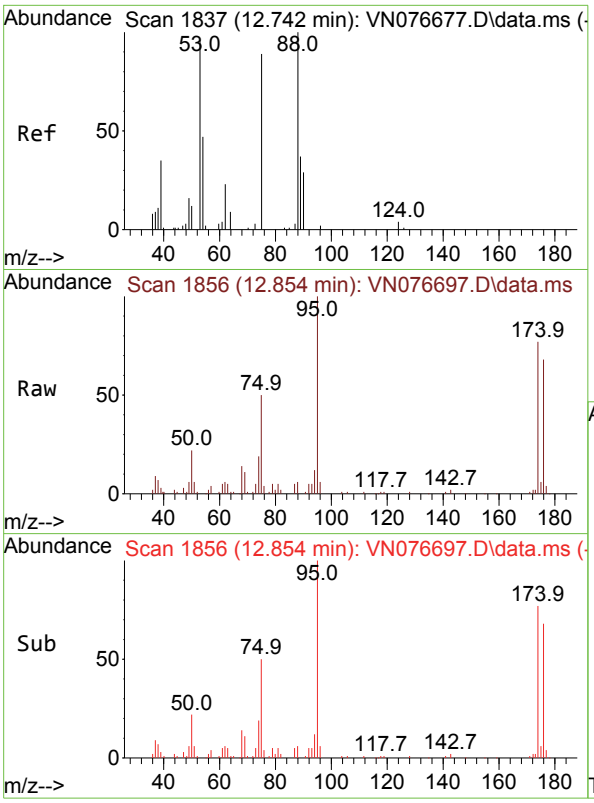


#63
Toluene-d8
Concen: 28.334 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076697.D
Acq: 15 Feb 2023 20:04

Tgt Ion: 98 Resp: 180753

Ion	Ratio	Lower	Upper
98	100		
100	64.4	53.8	80.6





#77
t-1,4-Dichloro-2-butene
Concen: 34.747 ug/l
RT: 12.854 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN076697.D
Acq: 15 Feb 2023 20:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 42801

Ion	Ratio	Lower	Upper
75	100		
53	0.0	50.4	151.3#
89	0.0	22.1	66.5#