Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
Data File : VN080007.D
Acq On : 08 Nov 2023 21:55
Operator : JC\MD
Sample : 05231-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 09 04:30:31 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	70929	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	326968	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	307610	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	179640	30.171	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.567%			
60) 4-Bromofluorobenzene	12.853	95	120012	24.397	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 81.333%			
63) Toluene-d8	10.571	98	420637	28.860	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.200%			
Target Compounds						Qvalue
18) Methylene Chloride	5.265	84	1447	0.295	ug/l #	57
25) Chloroform	7.971	83	6745	0.734	ug/l	99
36) 1,2-Dichloroethane	9.106	62	12661	2.099	ug/l #	75
50) 1,1,2-Trichloroethane	10.576	97	15187	3.904	ug/l #	1
51) Ethyl methacrylate	10.576	69	1573	0.281	ug/l #	84
58) 4-Methyl-2-Pentanone	10.576	43	2118	0.412	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	65158	37.785	ug/l #	7

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

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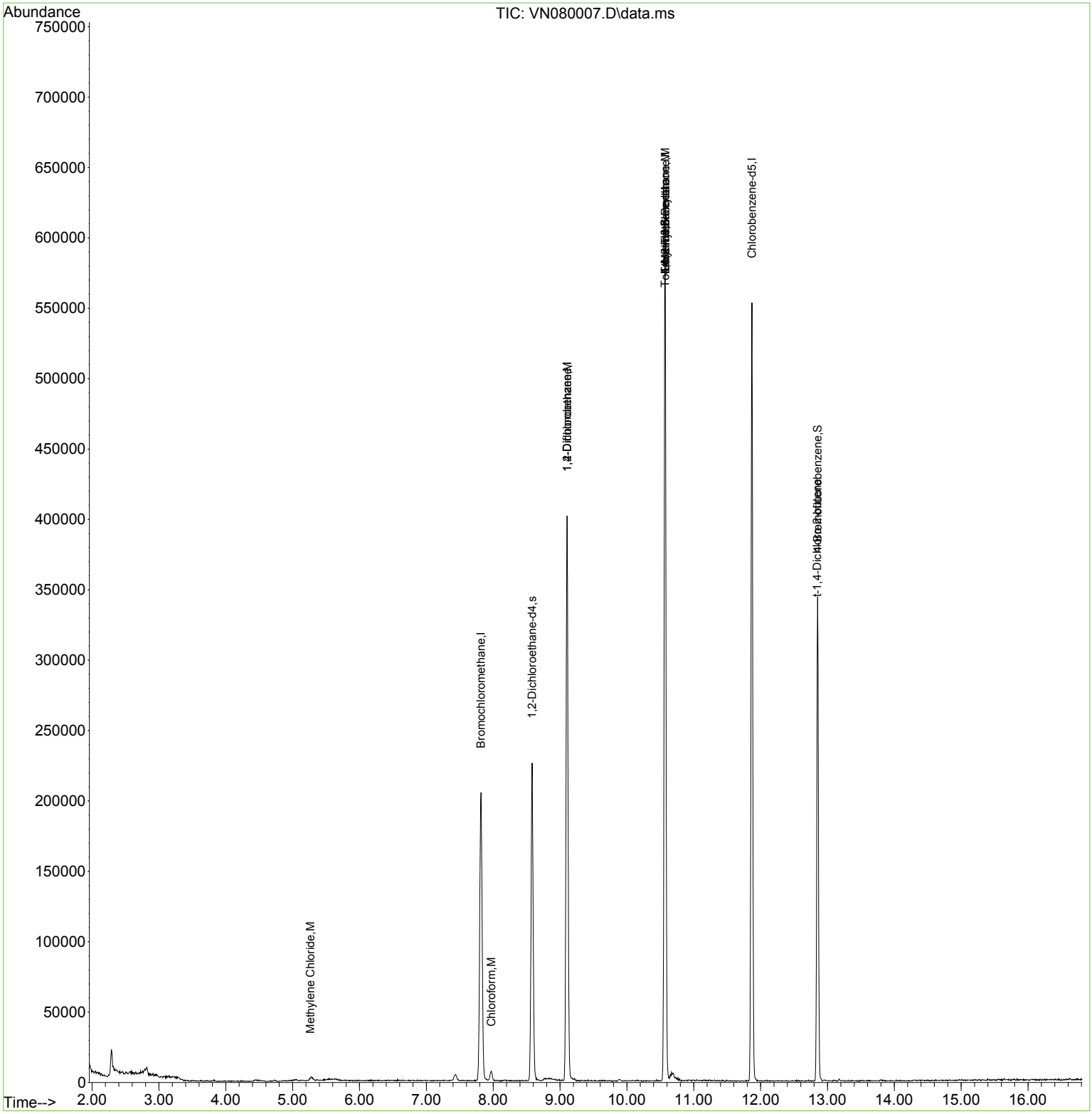
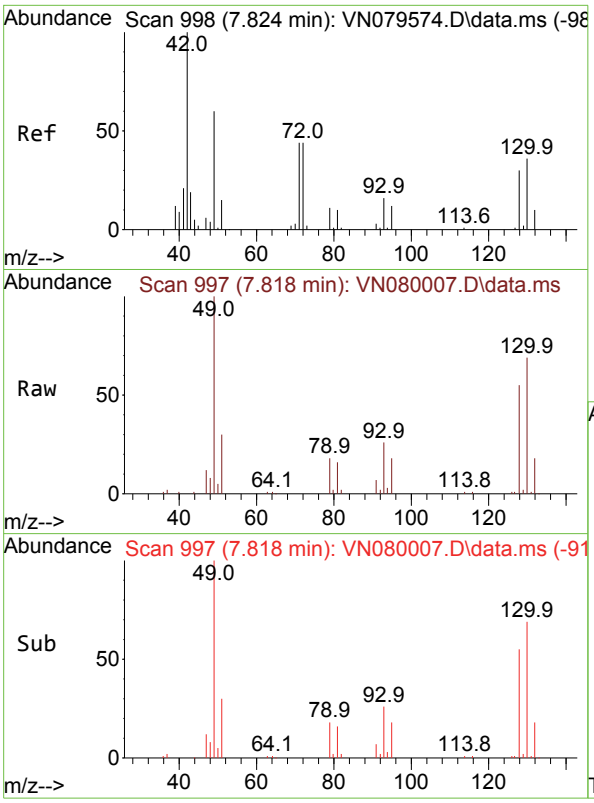


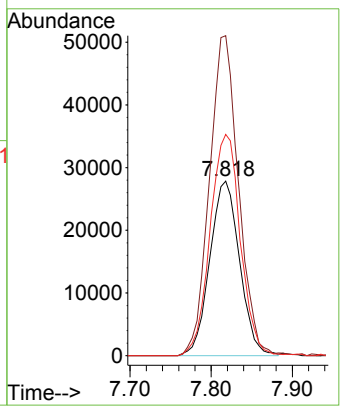


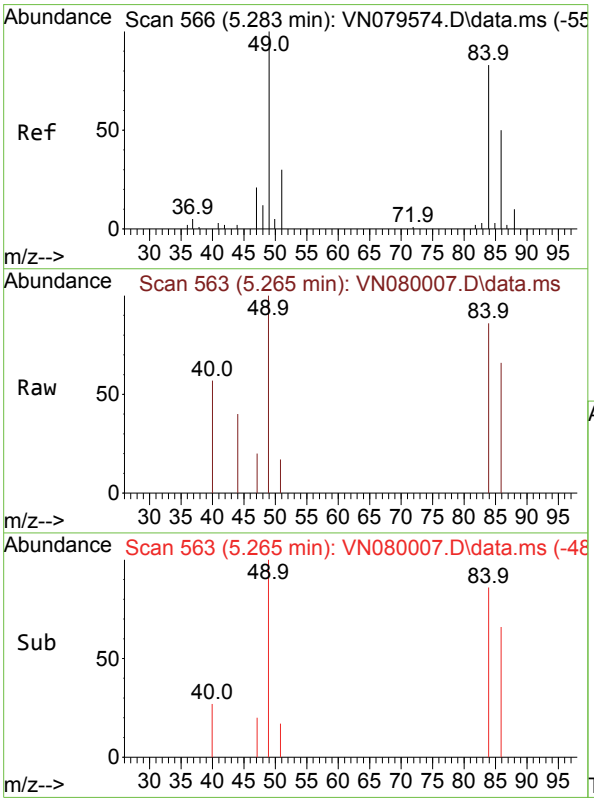
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN080007.D
Acq: 08 Nov 2023 21:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 70929

Ion	Ratio	Lower	Upper
128	100		
49	178.7	0.0	468.5
130	129.0	0.0	320.7

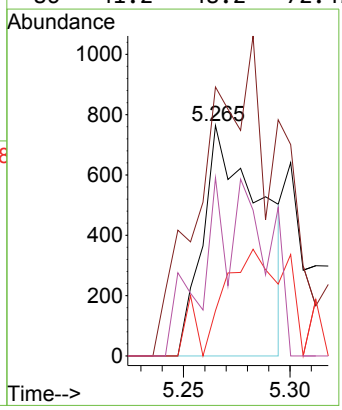


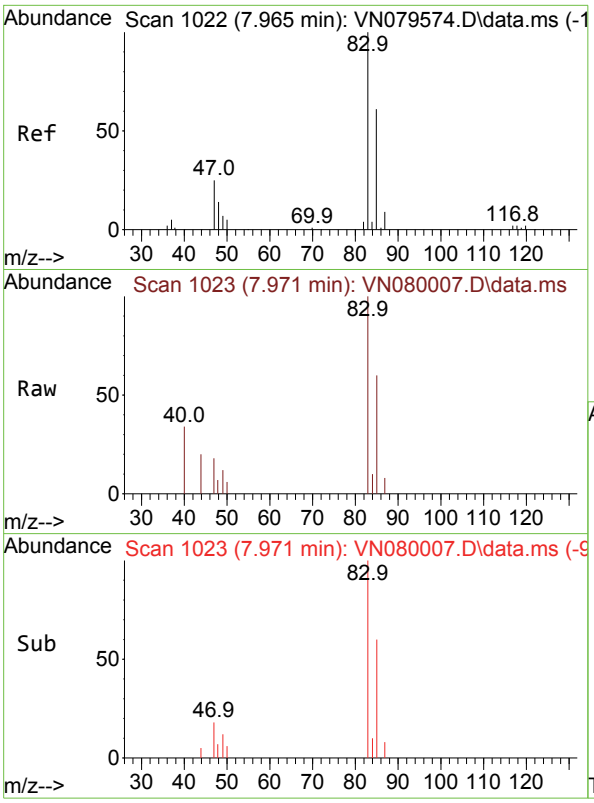


#18
Methylene Chloride
Concen: 0.295 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.018 min
Lab File: VN080007.D
Acq: 08 Nov 2023 21:55

Tgt Ion: 84 Resp: 1447

Ion	Ratio	Lower	Upper
84	100		
49	62.2	100.9	151.3#
51	19.6	29.4	44.2#
86	41.2	48.2	72.4#



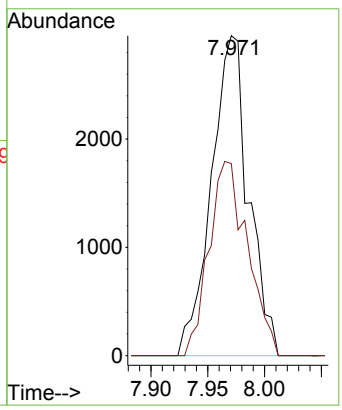


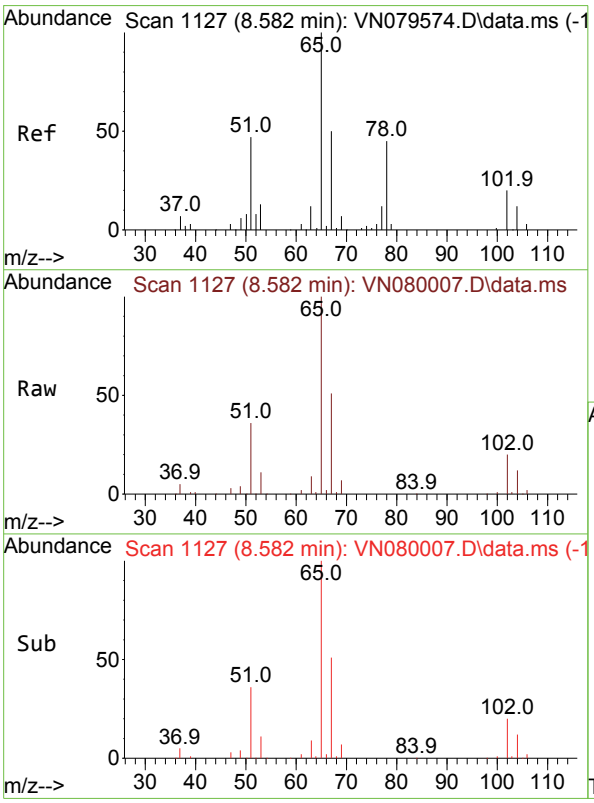
#25
Chloroform
Concen: 0.734 ug/l
RT: 7.971 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN080007.D
Acq: 08 Nov 2023 21:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 83 Resp: 6745

Ion	Ratio	Lower	Upper
83	100		
85	60.1	47.4	71.2

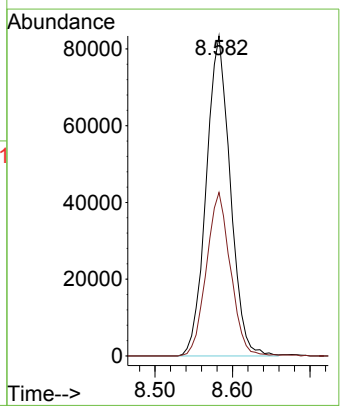


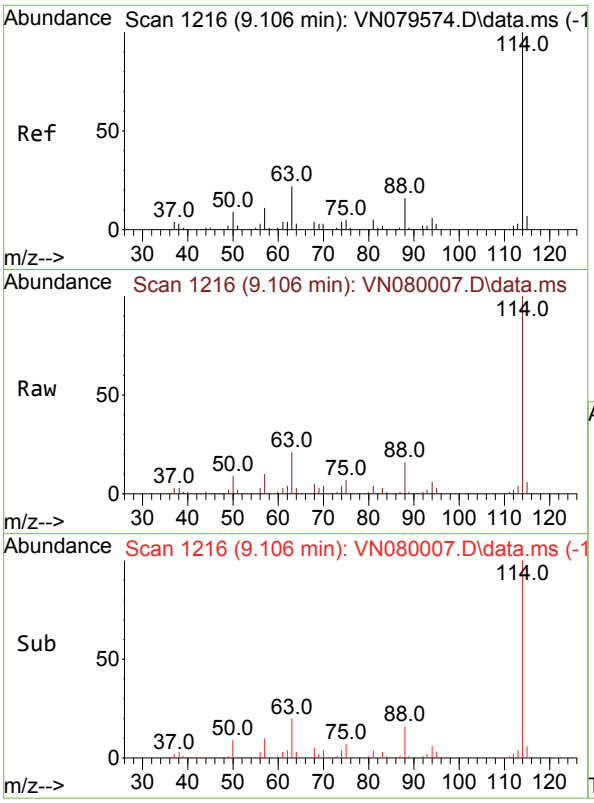


#27
1,2-Dichloroethane-d4
Concen: 30.171 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080007.D
Acq: 08 Nov 2023 21:55

Tgt Ion: 65 Resp: 179640

Ion	Ratio	Lower	Upper
65	100		
67	51.1	42.1	63.1



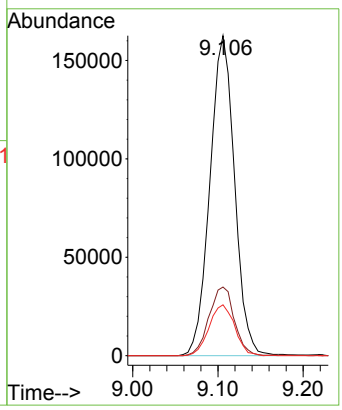


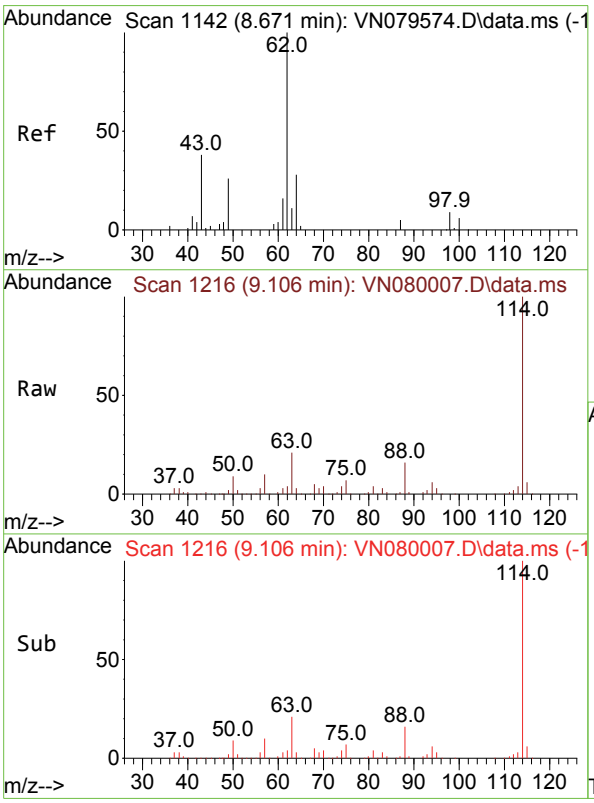
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN080007.D
Acq: 08 Nov 2023 21:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:114 Resp: 326968

Ion	Ratio	Lower	Upper
114	100		
63	22.0	18.1	27.1
88	16.5	12.2	18.2

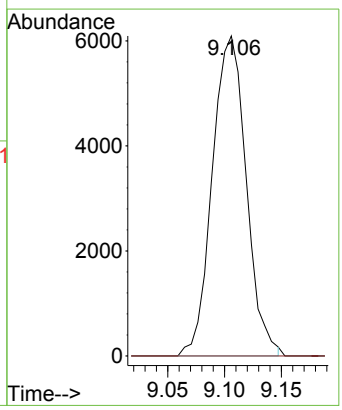


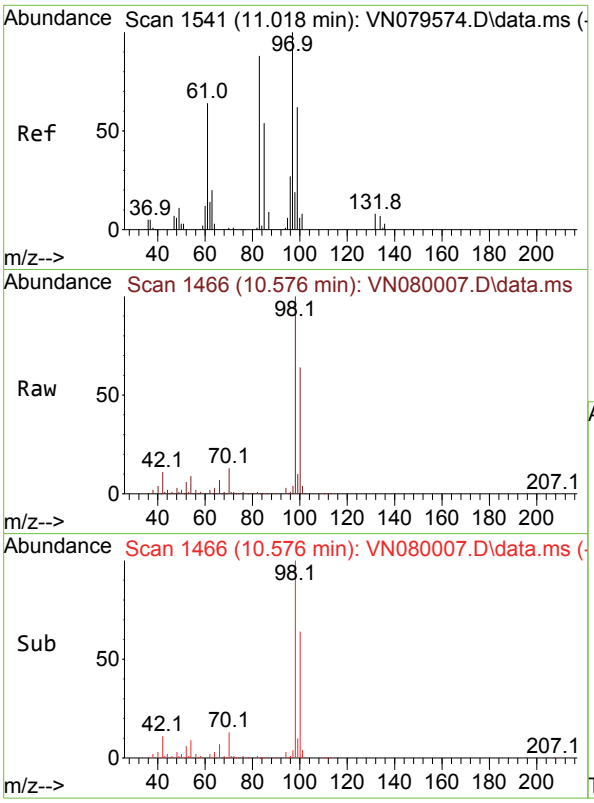


#36
1,2-Dichloroethane
Concen: 2.099 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.435 min
Lab File: VN080007.D
Acq: 08 Nov 2023 21:55

Tgt Ion: 62 Resp: 12661

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.2	10.8#



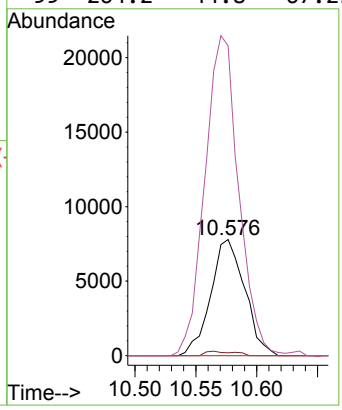


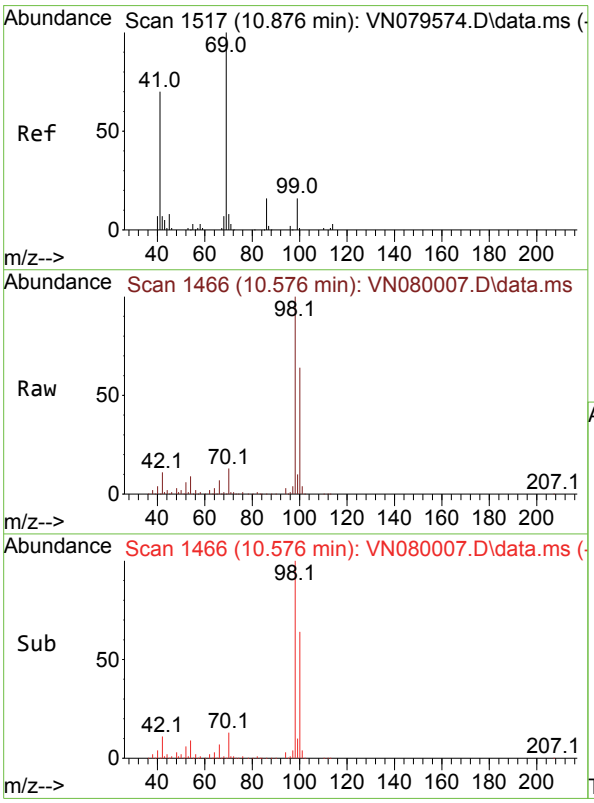
#50
1,1,2-Trichloroethane
Concen: 3.904 ug/l
RT: 10.576 min Scan# 14
Delta R.T. -0.442 min
Lab File: VN080007.D
Acq: 08 Nov 2023 21:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 97 Resp: 15187

Ion	Ratio	Lower	Upper
97	100		
83	2.4	68.2	102.4#
85	0.0	42.9	64.3#
99	264.2	44.8	67.2#

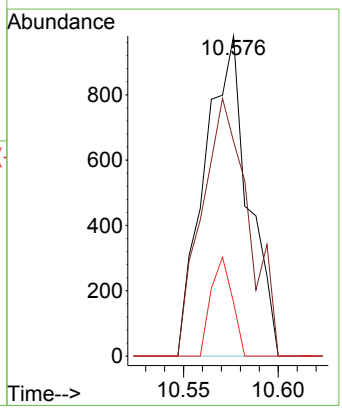


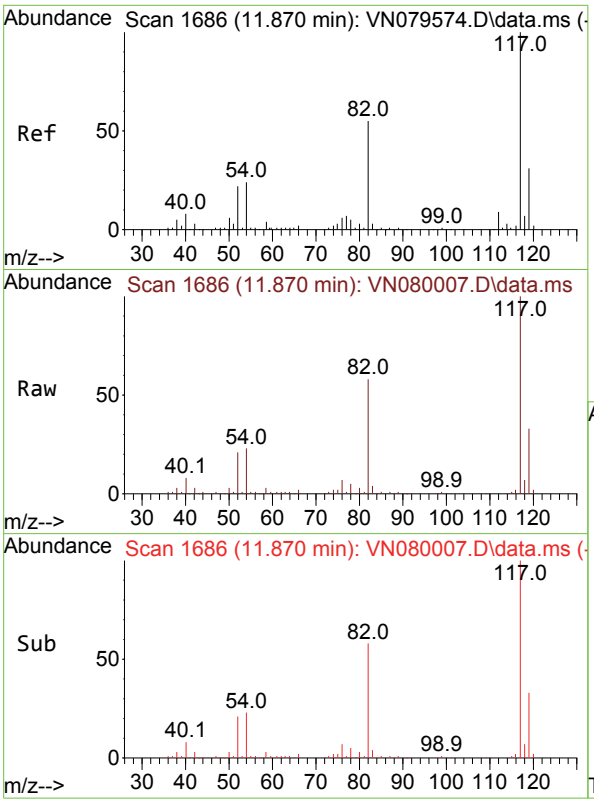


#51
Ethyl methacrylate
Concen: 0.281 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.300 min
Lab File: VN080007.D
Acq: 08 Nov 2023 21:55

Tgt Ion: 69 Resp: 1573

Ion	Ratio	Lower	Upper
69	100		
41	67.0	33.8	101.3
39	16.7	21.3	63.9#



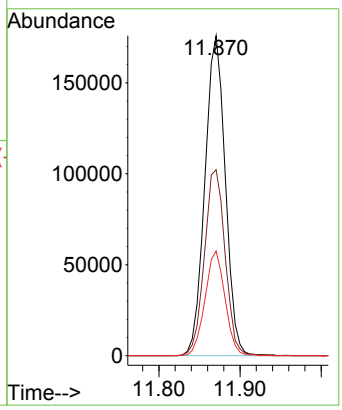


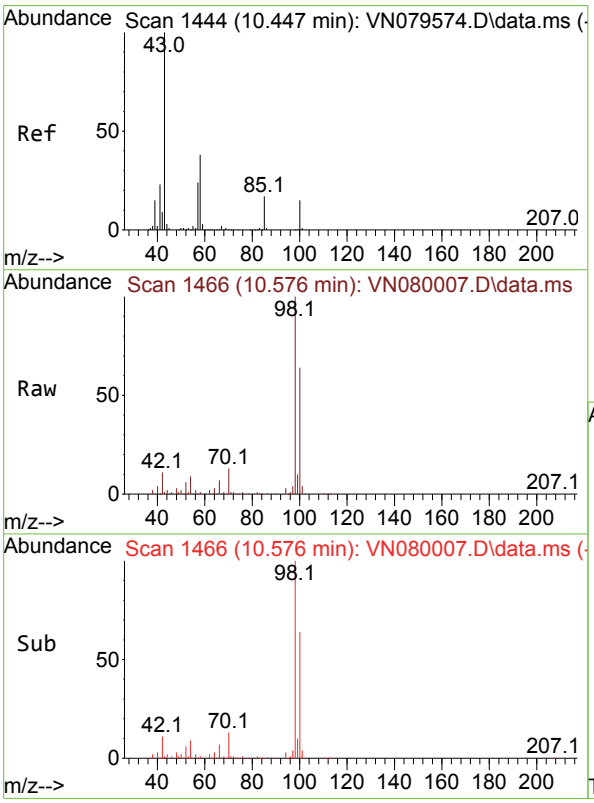
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN080007.D
Acq: 08 Nov 2023 21:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 307610

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.2	69.2
119	32.0	25.2	37.8

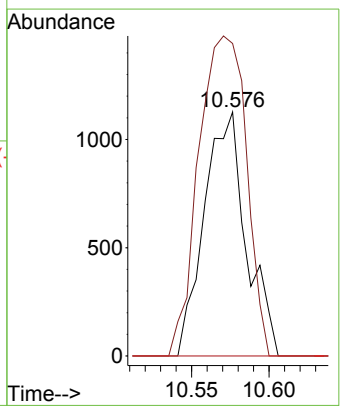


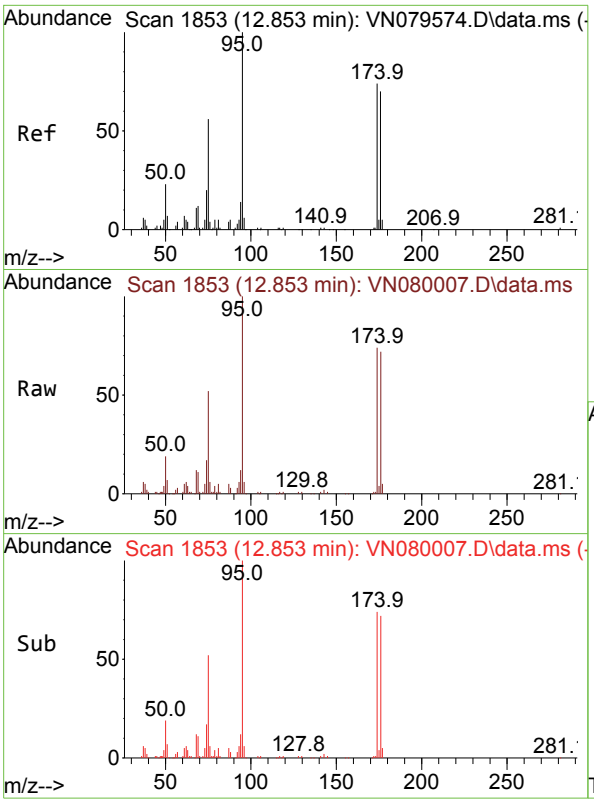


#58
4-Methyl-2-Pentanone
Concen: 0.412 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.129 min
Lab File: VN080007.D
Acq: 08 Nov 2023 21:55

Tgt Ion: 43 Resp: 2118

Ion	Ratio	Lower	Upper
43	100		
58	149.3	30.4	45.6#
85	0.0	13.2	19.8#



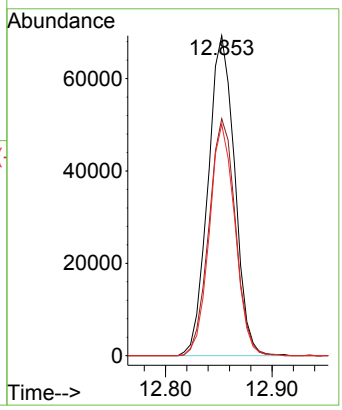


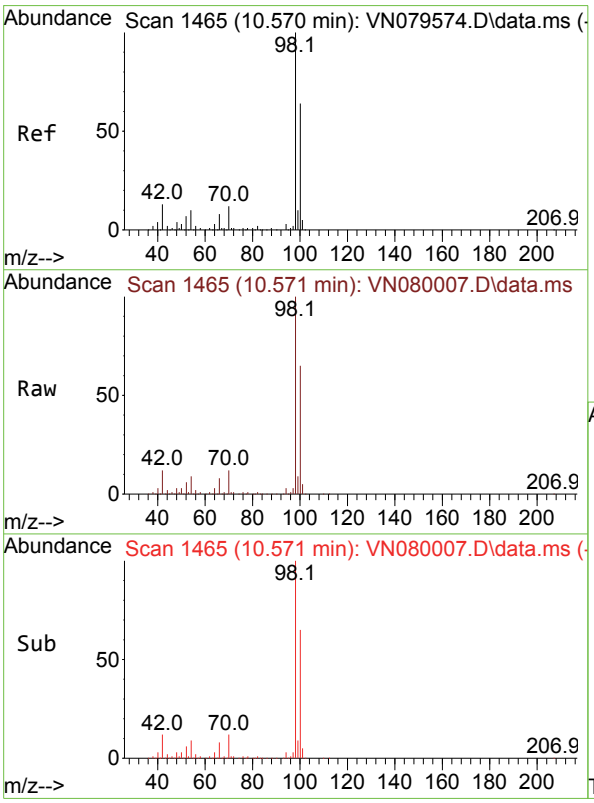
#60
4-Bromofluorobenzene
Concen: 24.397 ug/l
RT: 12.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN080007.D
Acq: 08 Nov 2023 21:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 120012

Ion	Ratio	Lower	Upper
95	100		
174	73.9	60.5	90.7
176	69.4	57.2	85.8

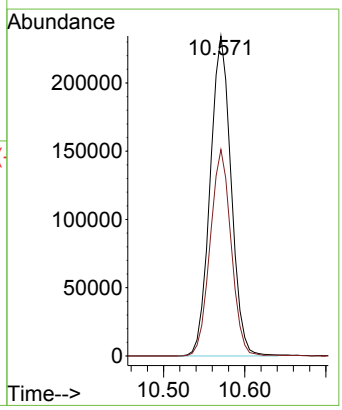


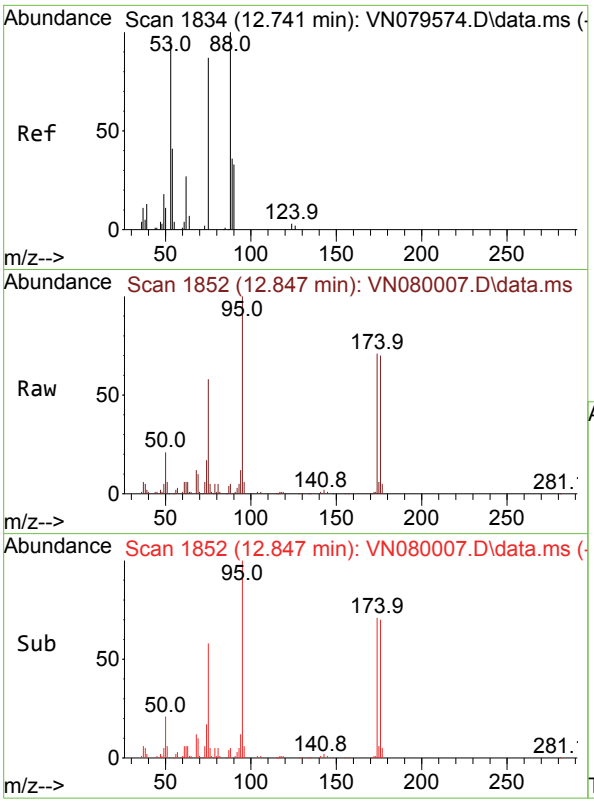


#63
Toluene-d8
Concen: 28.860 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080007.D
Acq: 08 Nov 2023 21:55

Tgt Ion: 98 Resp: 420637

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





#77
t-1,4-Dichloro-2-butene
Concen: 37.785 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.106 min
Lab File: VN080007.D
Acq: 08 Nov 2023 21:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 65158

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