Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102020\
Data File : VN064201.D
Acq On : 20 Oct 2020 17:30
Operator : JC/MD
Sample : L4473-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId :

Quant Time: Oct 21 04:49:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N102020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 20 11:51:57 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	48086	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	274891	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	242794	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.99	65	133798	33.99	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 113.30%			
60) 4-Bromofluorobenzene	12.37	95	123110	28.29	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 94.30%			
63) Toluene-d8	10.06	98	330879	30.10	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 100.33%			
Target Compounds						Qvalue
13) Acrolein	3.55	56	202	0.639	ug/l #	14
15) Acetone	3.80	58	77	0.245	ug/l #	1
35) Methacrylonitrile	7.12	41	434	0.210	ug/l #	25
59) 2-Hexanone	10.72	43	696	0.228	ug/l #	51
77) t-1,4-Dichloro-2-butene	12.38	75	65793	38.689	ug/l #	8
89) 1,2,4-Trichlorobenzene	14.89	180	899	0.233	ug/l #	27
90) Hexachlorobutadiene	14.98	225	977	0.501	ug/l	65
91) Naphthalene	15.11	128	3569	0.306	ug/l #	86
92) 1,2,3-Trichlorobenzene	15.29	180	1105	0.300	ug/l	89

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102020\
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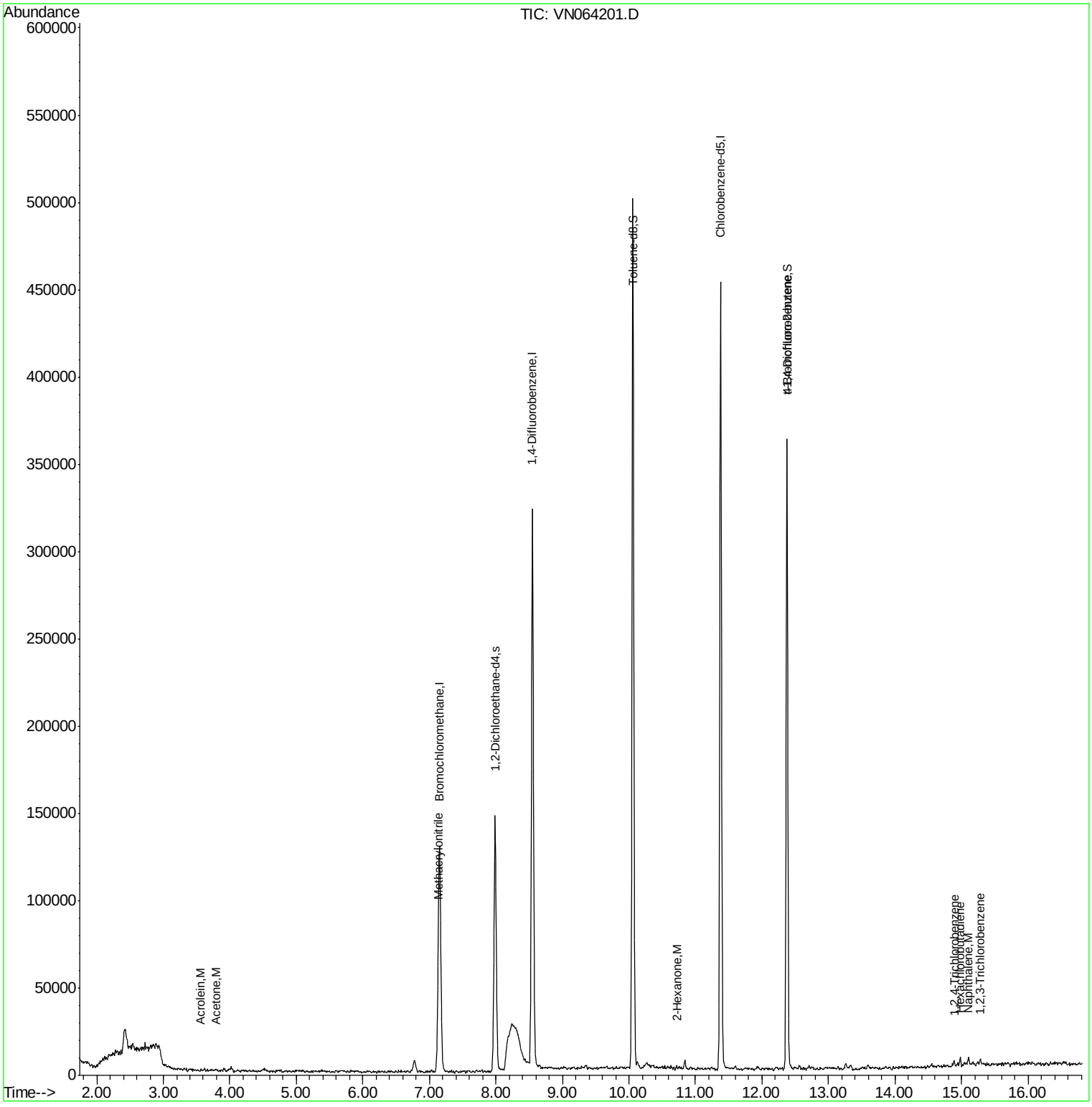
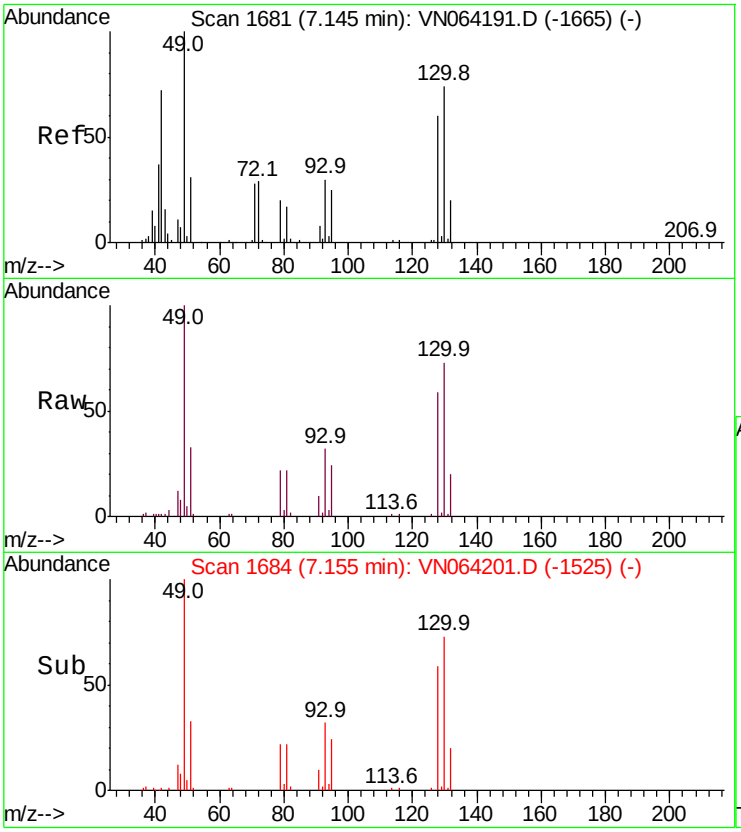
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 20 11:51:57 2020
Response via : Initial Calibration



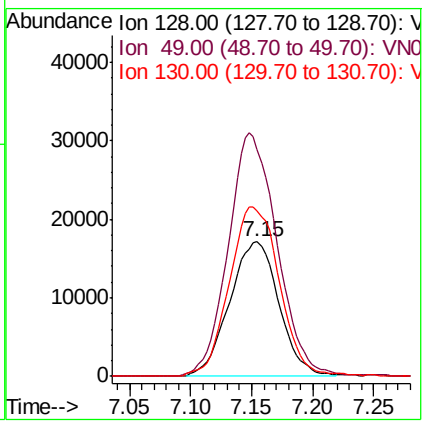


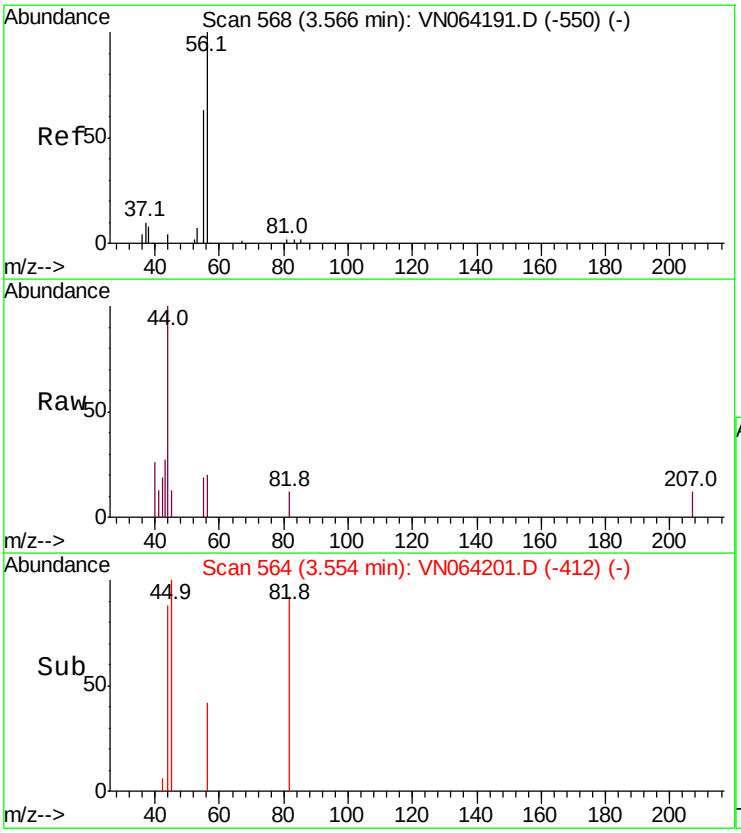
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 48086

Ion	Ratio	Lower	Upper
128	100		
49	178.5	0.0	433.3
130	127.6	0.0	322.5

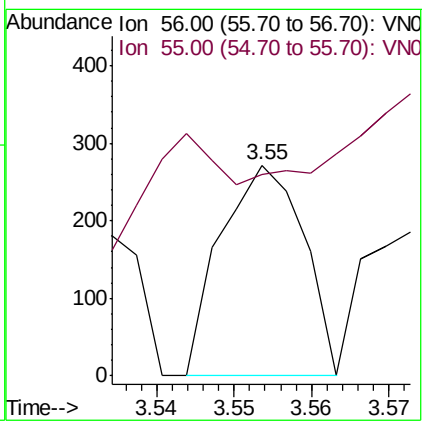


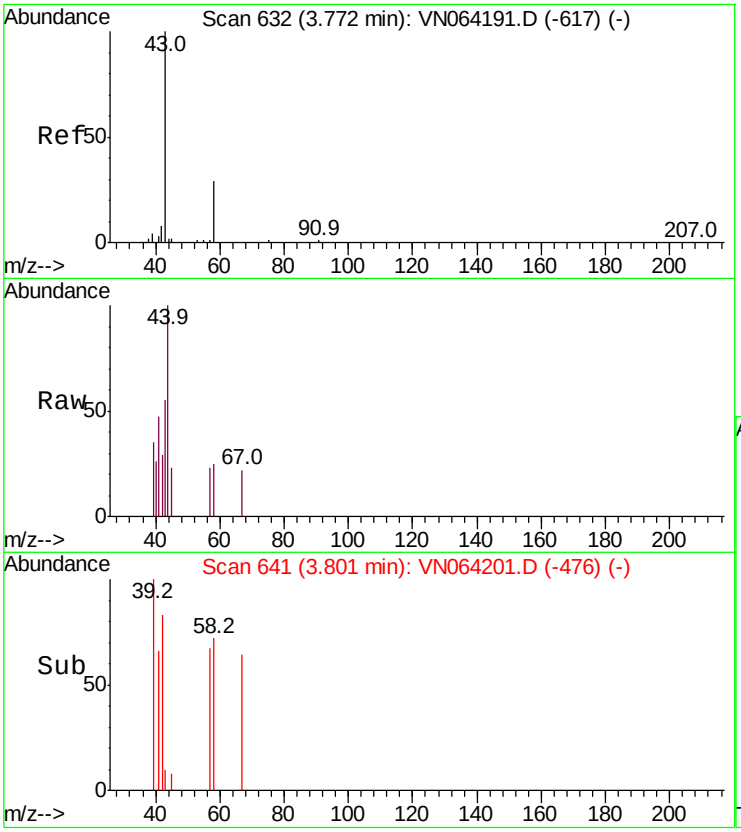


#13
Acrolein
Concen: 0.639 ug/l
RT: 3.55 min Scan# 564
Delta R.T. -0.01 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Tgt Ion: 56 Resp: 202

Ion	Ratio	Lower	Upper
56	100		
55	50.5	0.5	0.7#



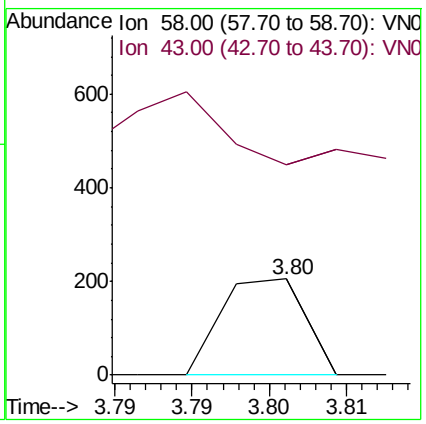


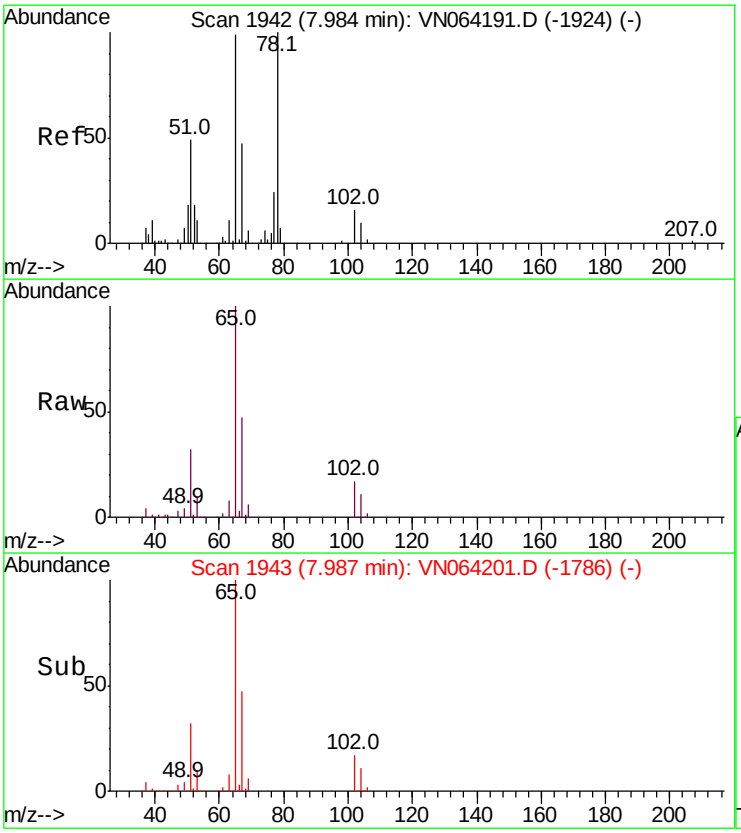
#15
Acetone
Concen: 0.245 ug/l
RT: 3.80 min Scan# 641
Delta R.T. 0.03 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 58 Resp: 77

Ion	Ratio	Lower	Upper
58	100		
43	0.0	272.1	408.1#

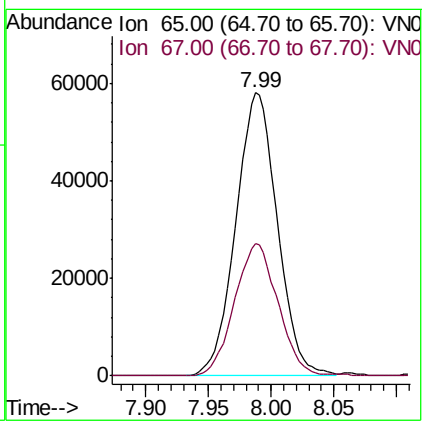


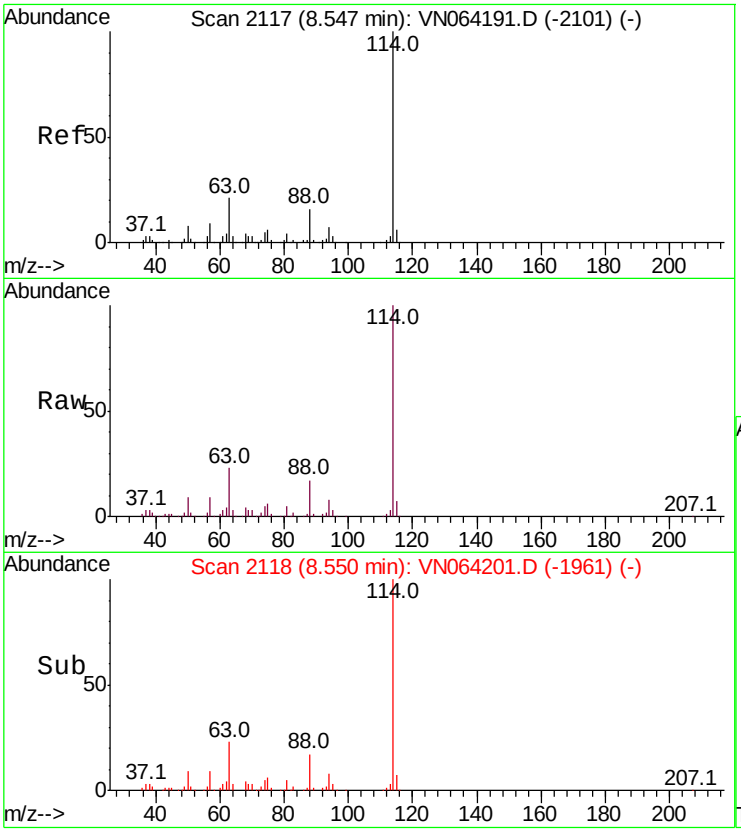


#27
1,2-Dichloroethane-d4
Concen: 33.985 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Tgt Ion: 65 Resp: 133798

Ion	Ratio	Lower	Upper
65	100		
67	48.7	39.8	59.6



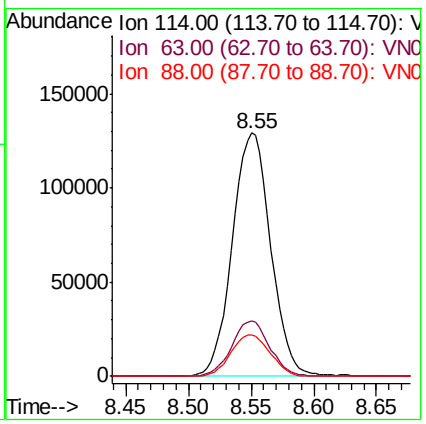


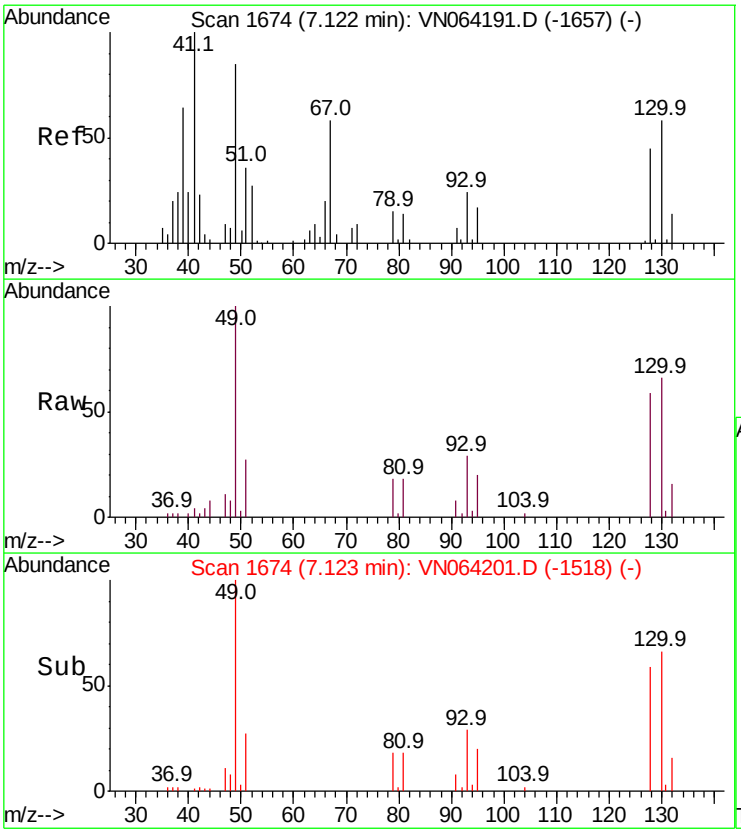
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:114 Resp: 274891

Ion	Ratio	Lower	Upper
114	100		
63	22.5	17.0	25.4
88	17.4	13.0	19.4

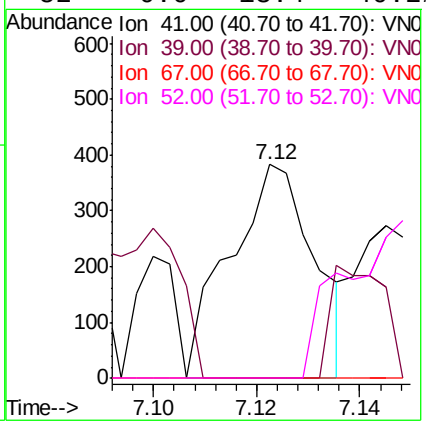


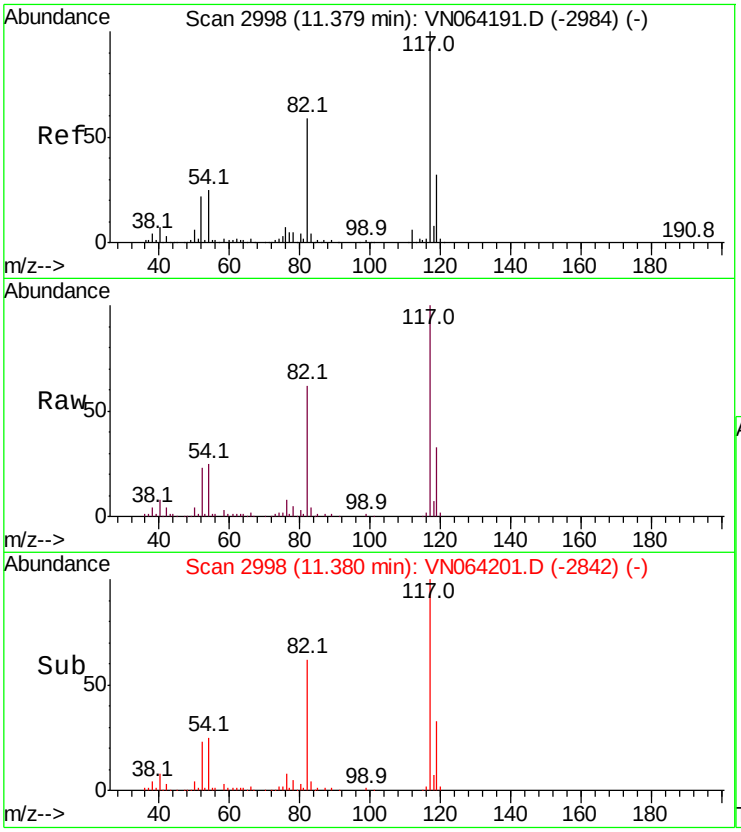


#35
Methacrylonitrile
Concen: 0.210 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Tgt Ion: 41 Resp: 434

Ion	Ratio	Lower	Upper
41	100		
39	0.0	32.1	96.3#
67	0.0	28.9	86.8#
52	0.0	13.4	40.2#



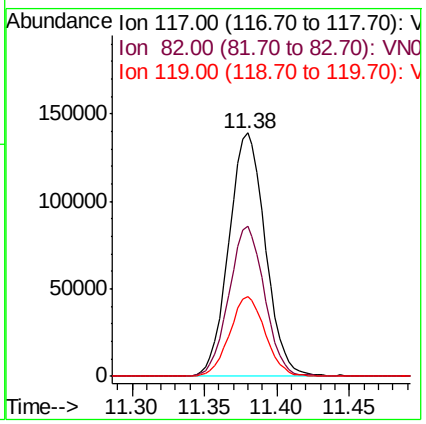


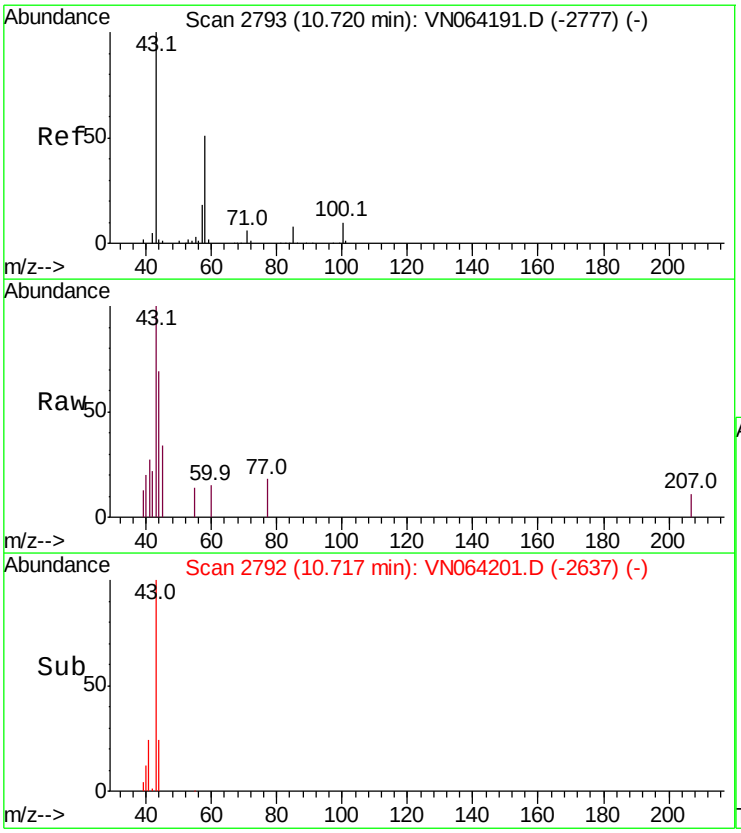
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Instrument : MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 242794

Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.8	71.8
119	32.0	25.7	38.5

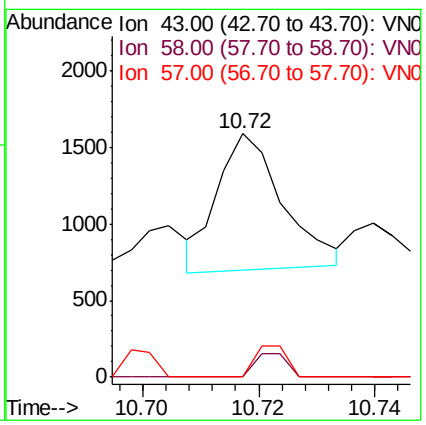


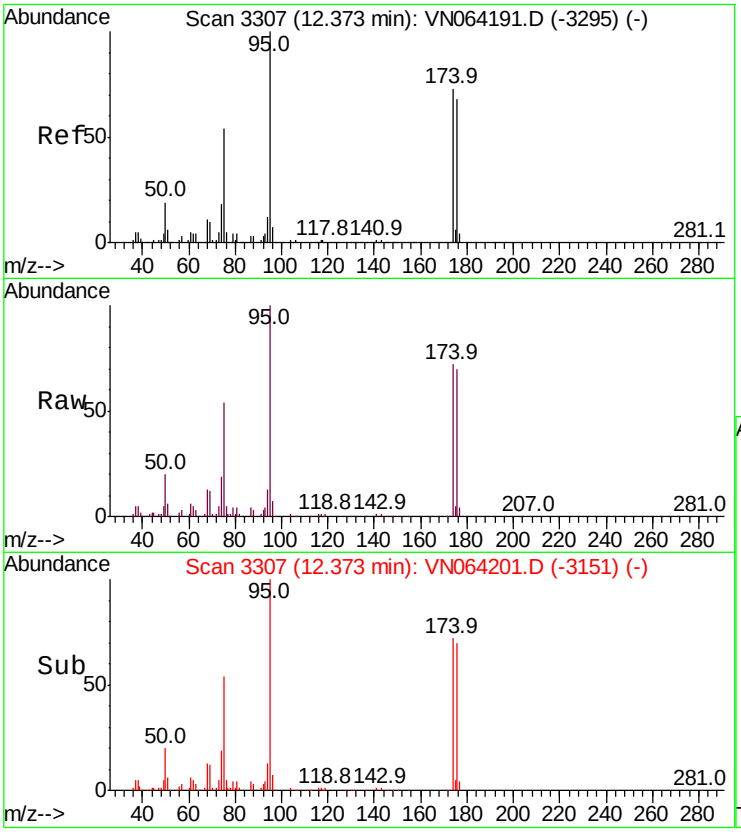


#59
2-Hexanone
Concen: 0.228 ug/l
RT: 10.72 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Tgt Ion: 43 Resp: 696

Ion	Ratio	Lower	Upper
43	100		
58	8.3	40.2	60.4#
57	11.4	14.8	22.2#



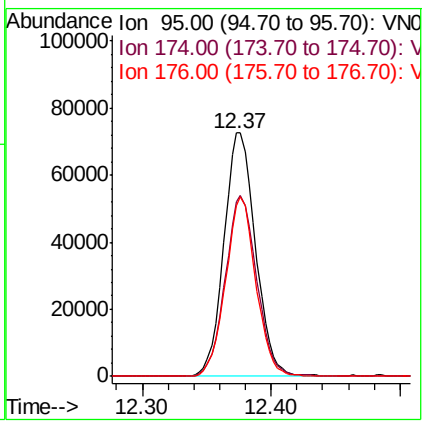


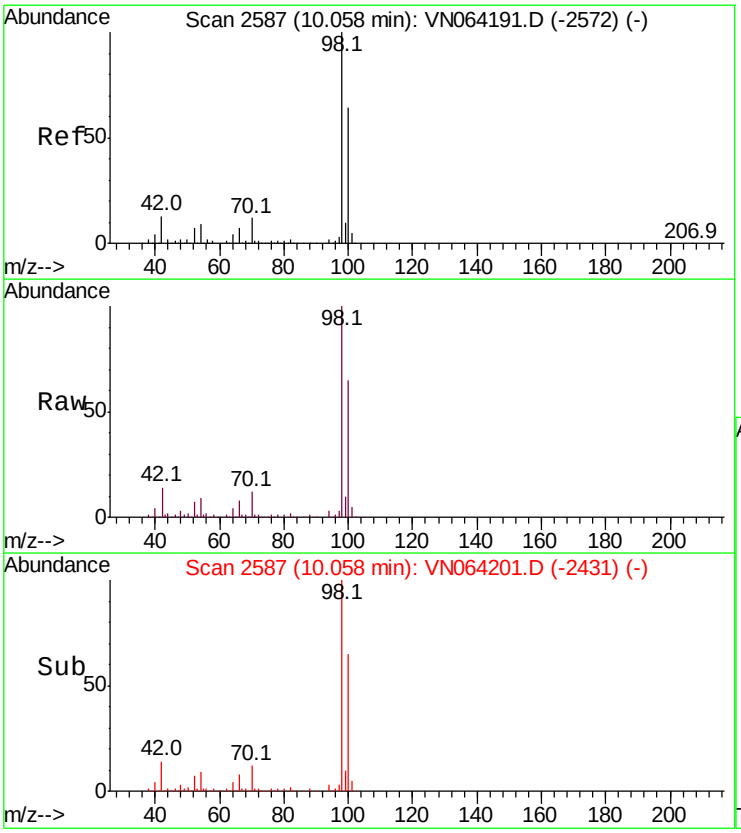
#60
4-Bromofluorobenzene
Concen: 28.295 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 123110

Ion	Ratio	Lower	Upper
95	100		
174	74.2	57.6	86.4
176	70.5	54.9	82.3

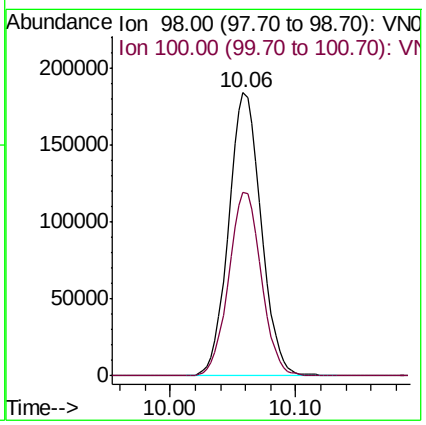


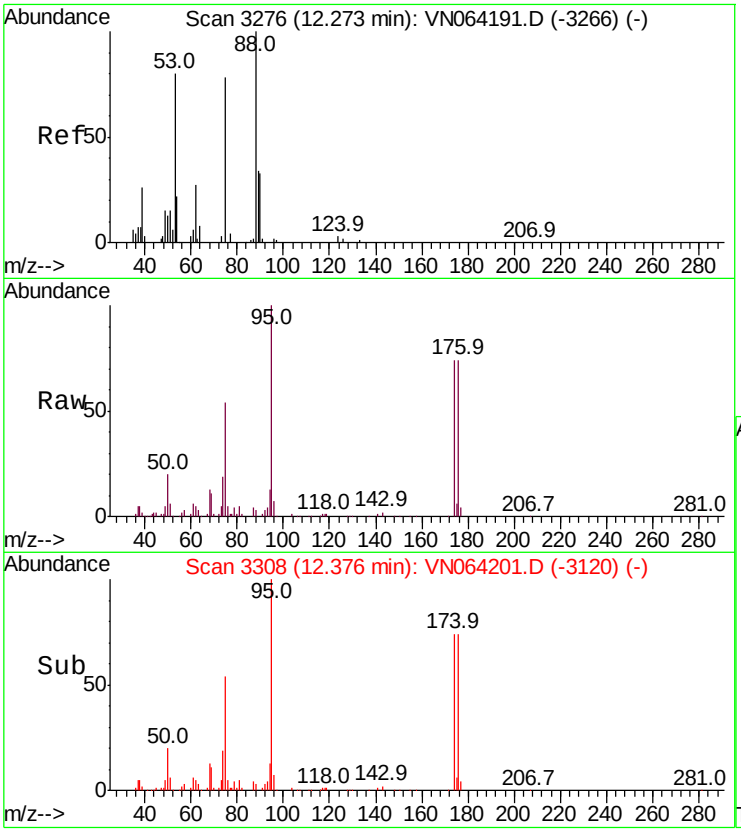


#63
Toluene-d8
Concen: 30.102 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Tgt Ion: 98 Resp: 330879

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.2



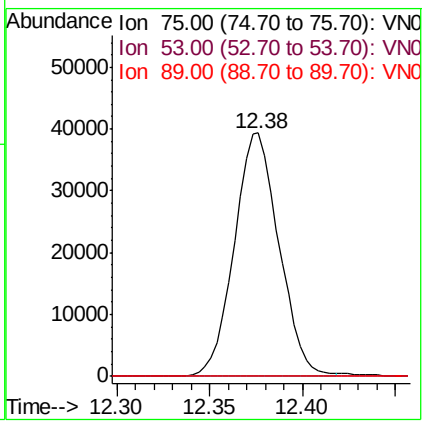


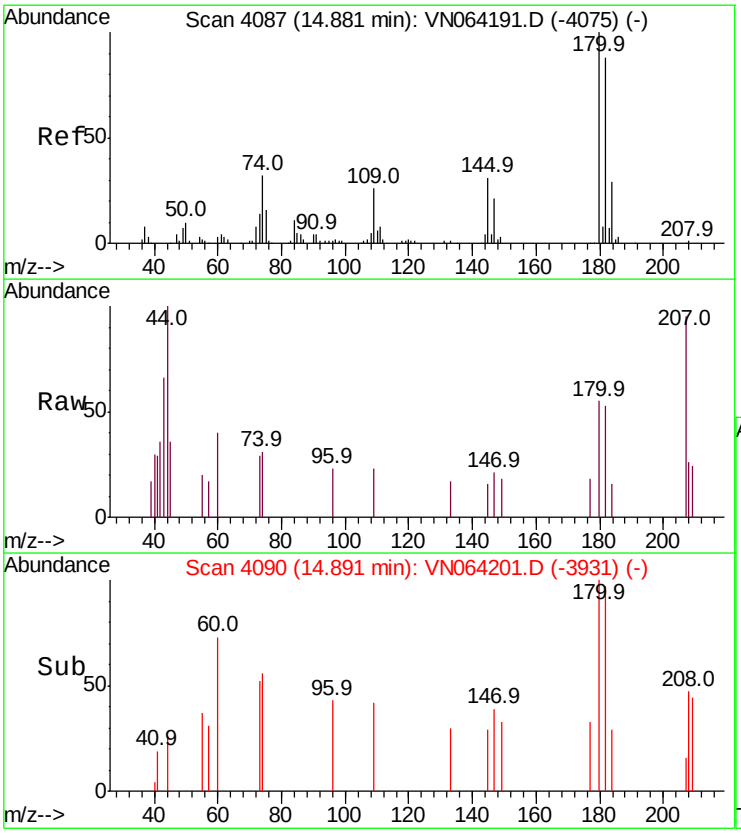
#77
t-1,4-Dichloro-2-butene
Concen: 38.689 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 65793

Ion	Ratio	Lower	Upper
75	100		
53	0.0	51.4	154.2#
89	0.0	23.8	71.5#

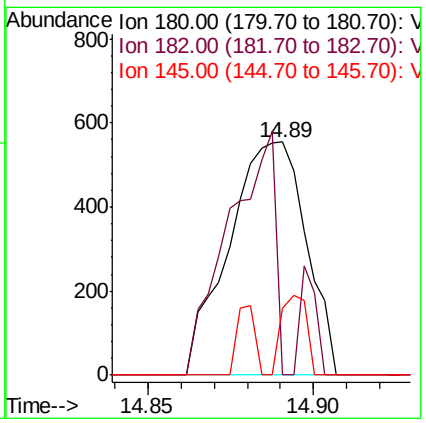


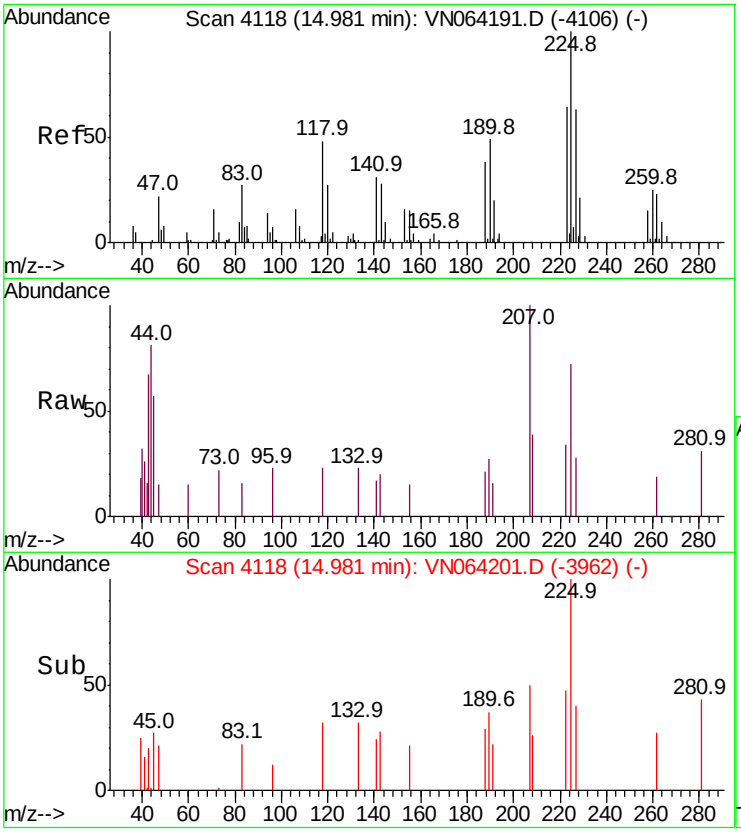


#89
1,2,4-Trichlorobenzene
Concen: 0.233 ug/l
RT: 14.89 min Scan# 4090
Delta R.T. 0.01 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Tgt Ion:180 Resp: 899

Ion	Ratio	Lower	Upper
180	100		
182	9.8	73.0	109.4#
145	11.3	24.3	36.5#



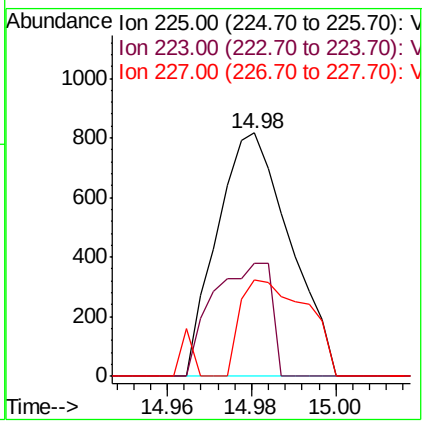


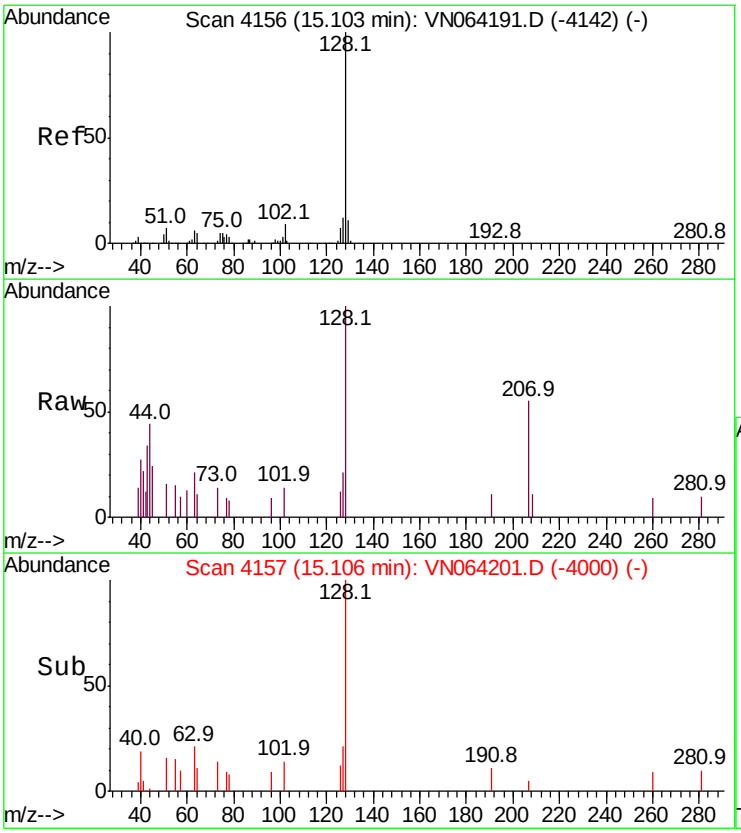
#90
Hexachlorobutadiene
Concen: 0.501 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:225 Resp: 977

Ion	Ratio	Lower	Upper
225	100		
223	37.4	0.0	127.0
227	36.3	0.0	129.4

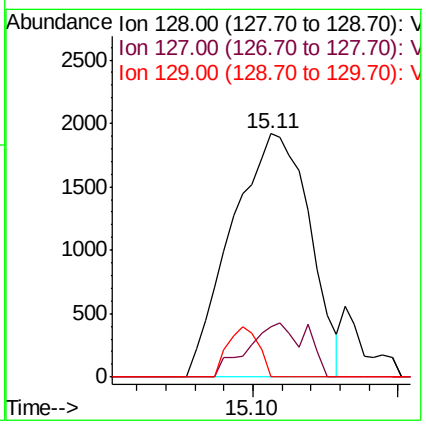


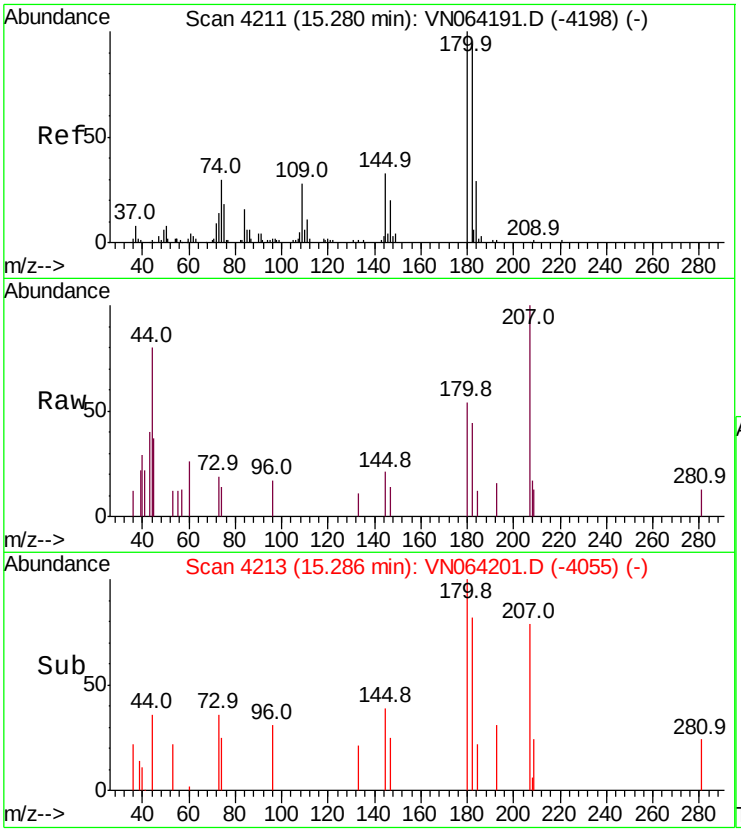


#91
Naphthalene
Concen: 0.306 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Tgt Ion:128 Resp: 3569

Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.1	15.1
129	0.0	8.7	13.1#





#92
1,2,3-Trichlorobenzene
Concen: 0.300 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.01 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:180 Resp: 1105

Ion	Ratio	Lower	Upper
180	100		
182	104.3	0.0	190.0
145	23.9	0.0	66.6