Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070032.D
Acq On : 13 Dec 2021 15:00
Operator : JC/MD
Sample : VN1213WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 14 05:26:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Dec 14 00:59:04 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.659	128	180043	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	985412	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.746	117	854466	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	491674	30.815	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.733%			
60) 4-Bromofluorobenzene	12.733	95	352828	25.094	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 83.633%			
63) Toluene-d8	10.440	98	1199952	30.389	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.300%			
Target Compounds						Qvalue
3) Chloromethane	2.303	50	3269	0.218	ug/l #	72
23) tert-Butyl Alcohol	5.329	59	1696	0.734	ug/l #	100
45) 1,4-Dioxane	9.593	88	62	0.268	ug/l #	1
47) n-amyl Acetate	12.393	43	4711	0.207	ug/l #	66
51) Ethyl methacrylate	10.446	69	4440	0.232	ug/l	73
58) 4-Methyl-2-Pentanone	10.333	43	5025	0.256	ug/l #	70
59) 2-Hexanone	11.092	43	9565	0.660	ug/l #	90
77) t-1,4-Dichloro-2-butene	12.733	75	197600	38.857	ug/l #	8
89) 1,2,4-Trichlorobenzene	15.268	180	4085	0.439	ug/l #	90
91) Naphthalene	15.507	128	15109	8.464	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.700	180	5026	0.572	ug/l	69

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

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Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 14 05:26:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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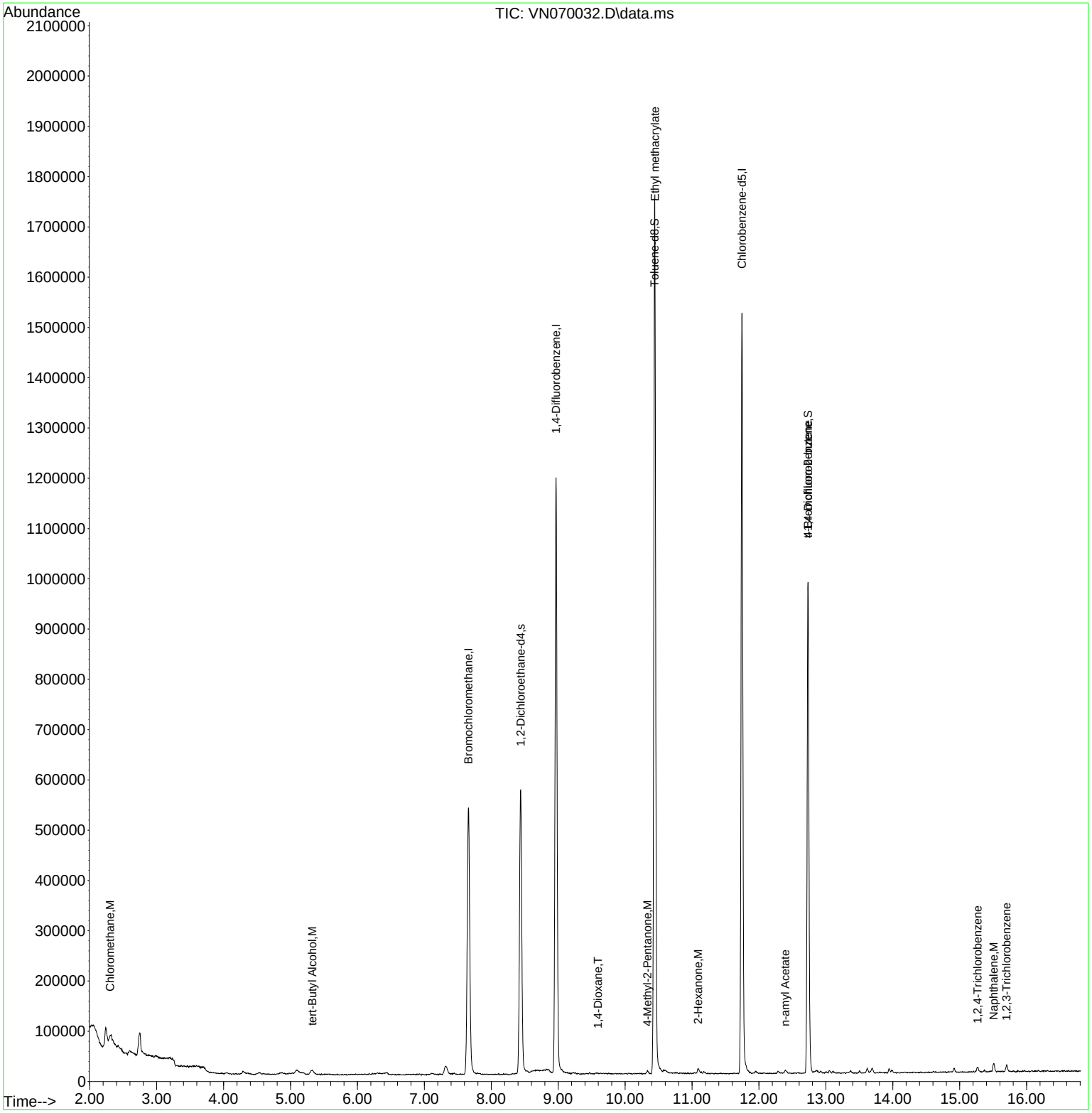
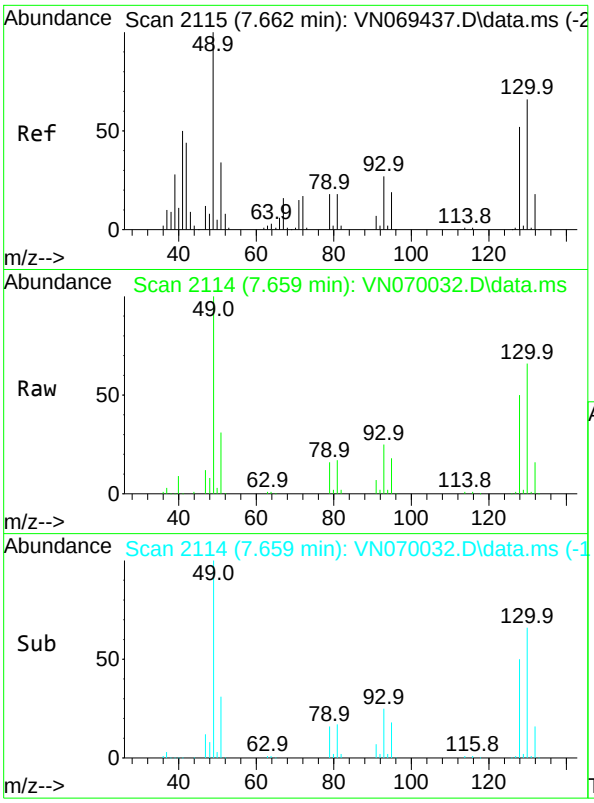


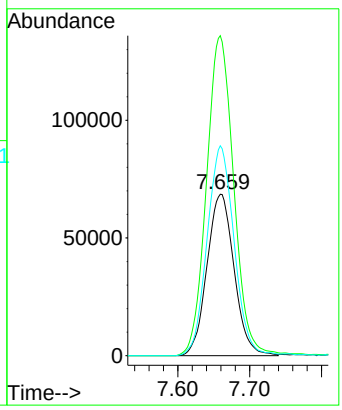


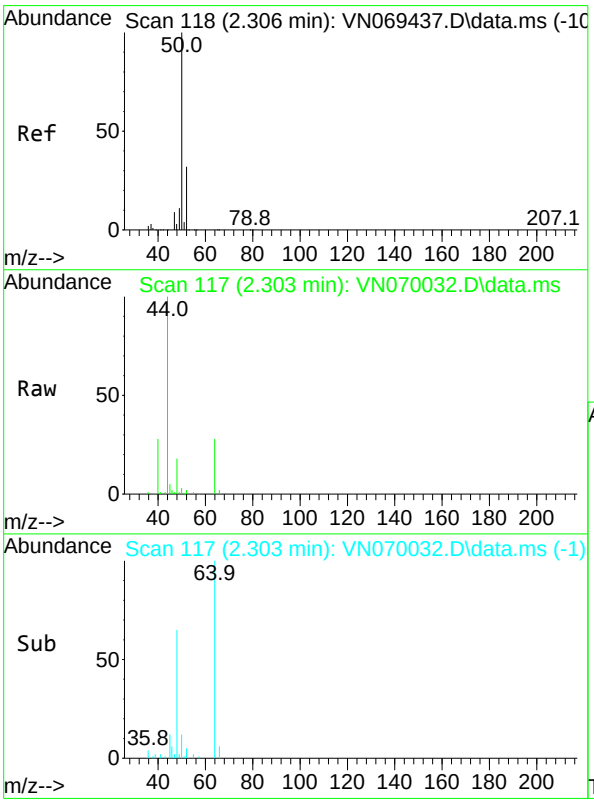
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2
Delta R.T. 0.002 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 180043

Ion	Ratio	Lower	Upper
128	100		
49	198.3	0.0	392.3
130	128.6	0.0	320.2

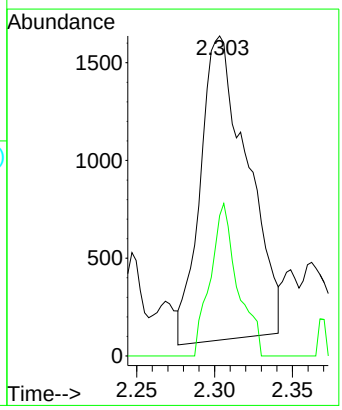


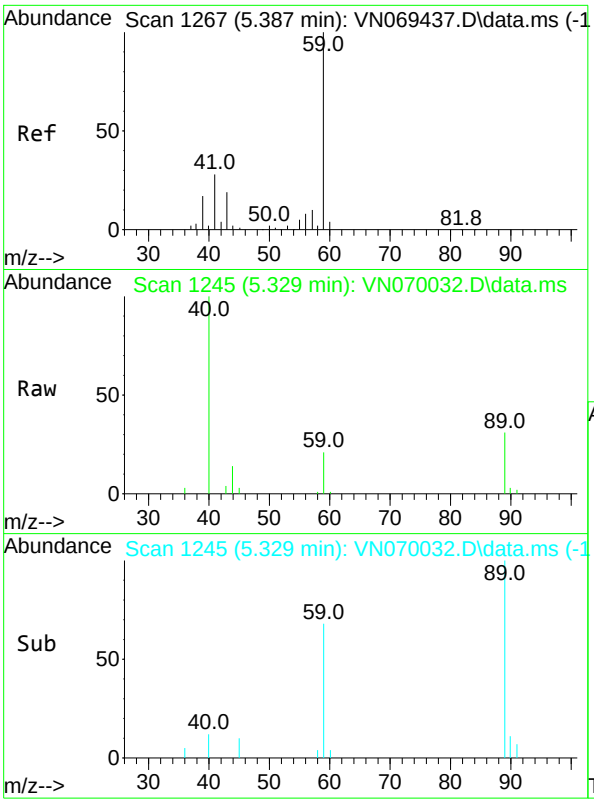


#3
Chloromethane
Concen: 0.218 ug/l
RT: 2.303 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Tgt Ion: 50 Resp: 3269

Ion	Ratio	Lower	Upper
50	100		
52	51.0	27.8	41.6#



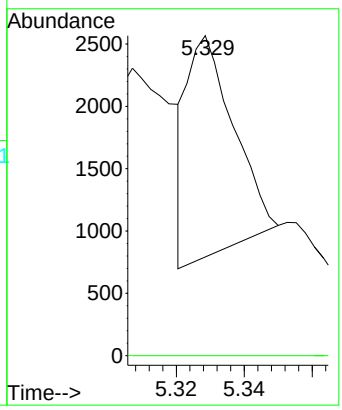


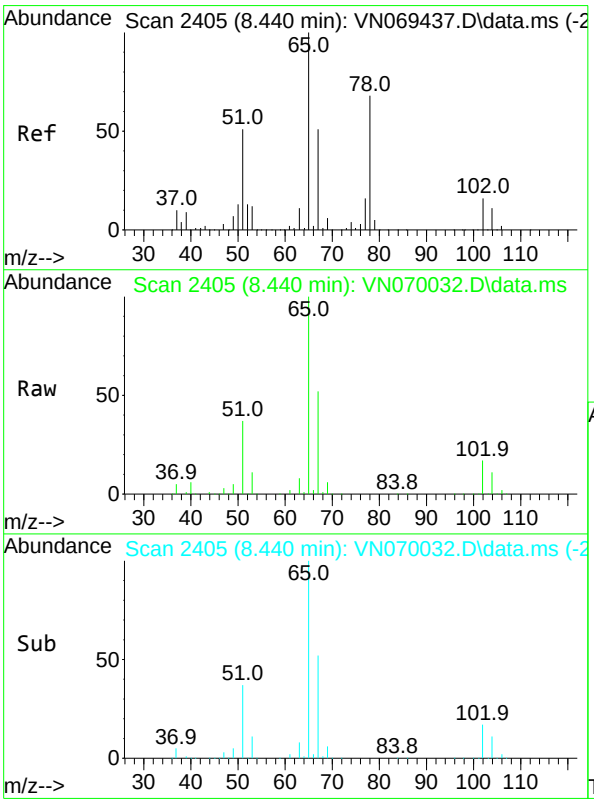
#23
tert-Butyl Alcohol
Concen: 0.734 ug/l
RT: 5.329 min Scan# 1
Delta R.T. -0.046 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 59 Resp: 1696

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

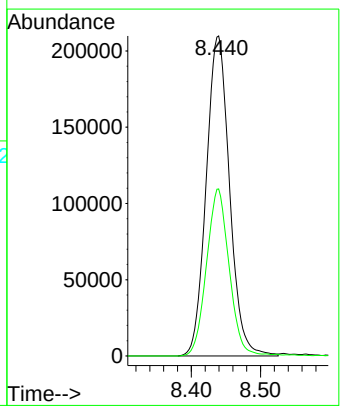


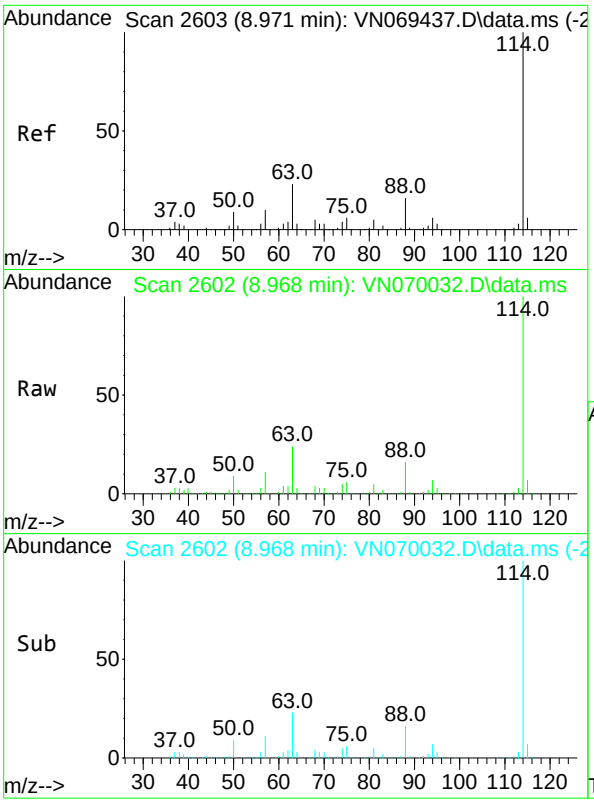


#27
1,2-Dichloroethane-d4
Concen: 30.815 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Tgt Ion: 65 Resp: 491674

Ion	Ratio	Lower	Upper
65	100		
67	50.4	40.2	60.2



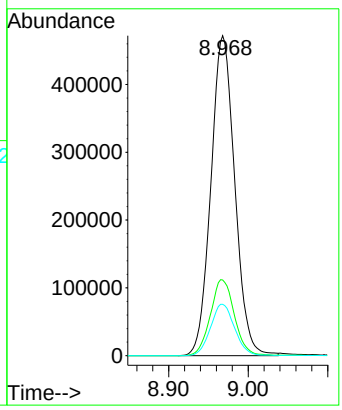


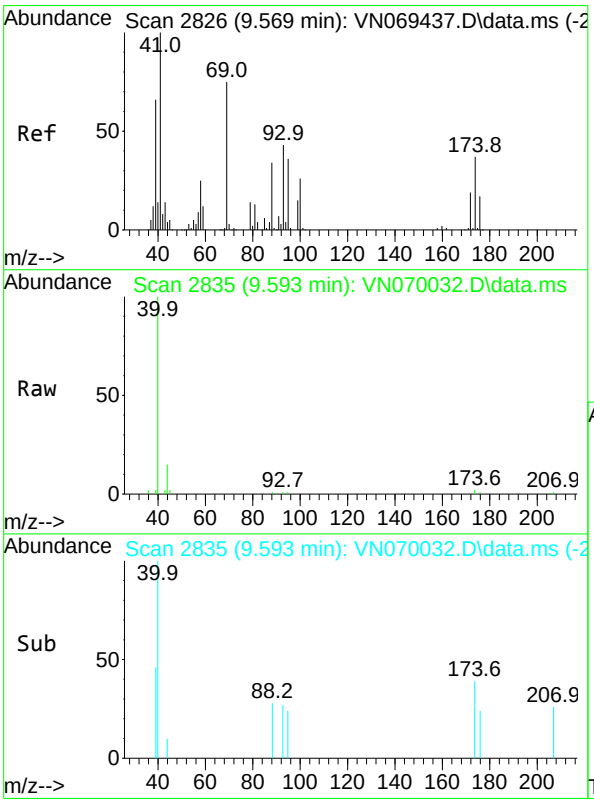
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:114 Resp: 985412

Ion	Ratio	Lower	Upper
114	100		
63	23.9	15.8	23.6#
88	16.2	11.6	17.4

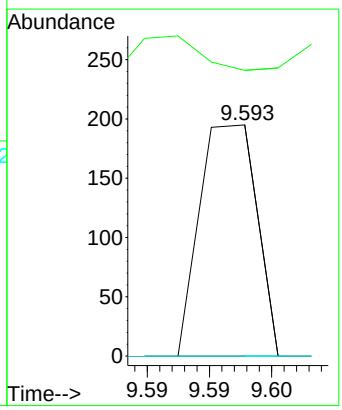


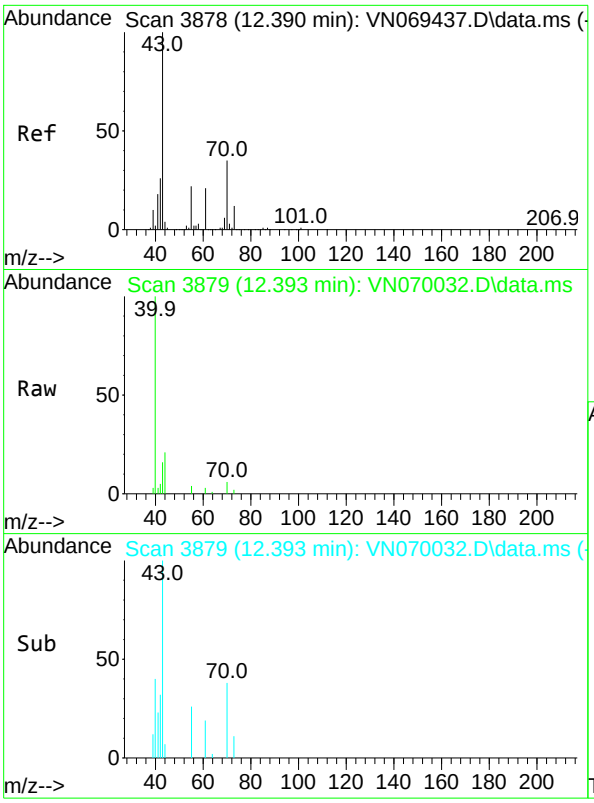


#45
1,4-Dioxane
Concen: 0.268 ug/l
RT: 9.593 min Scan# 2835
Delta R.T. 0.024 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Tgt Ion: 88 Resp: 62

Ion	Ratio	Lower	Upper
88	100		
43	929.0	25.0	37.6#
58	0.0	49.4	74.2#



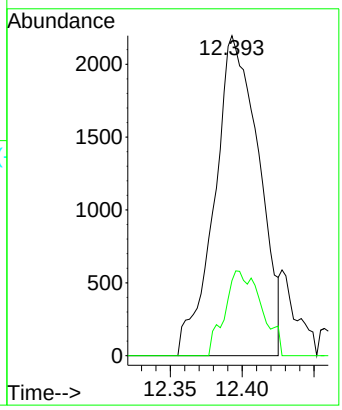


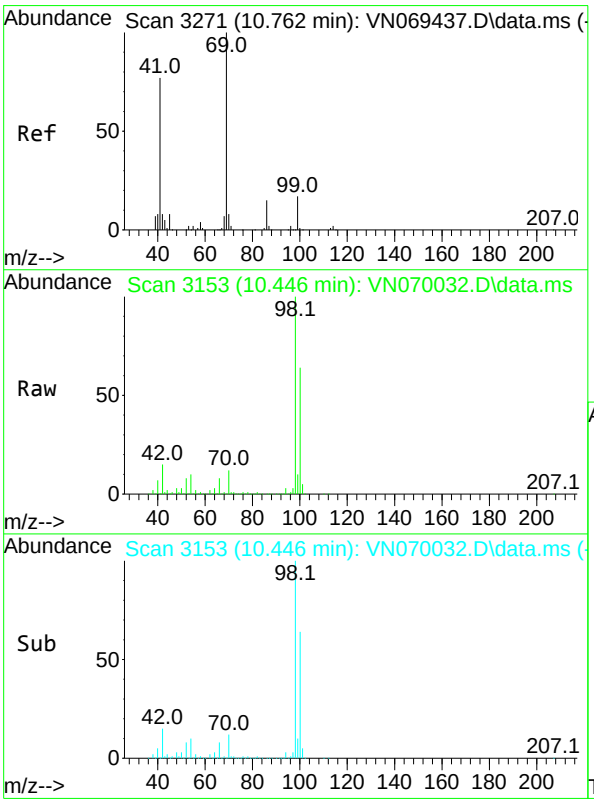
#47
n-amyl Acetate
Concen: 0.207 ug/l
RT: 12.393 min Scan# 3
Delta R.T. 0.005 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 4711

Ion	Ratio	Lower	Upper
43	100		
55	7.3	19.0	28.6#

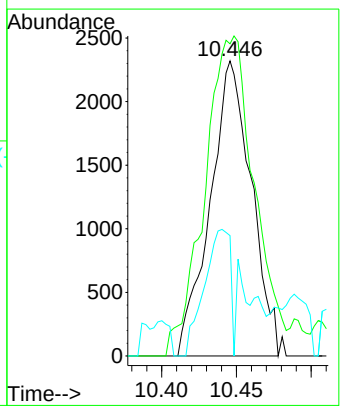


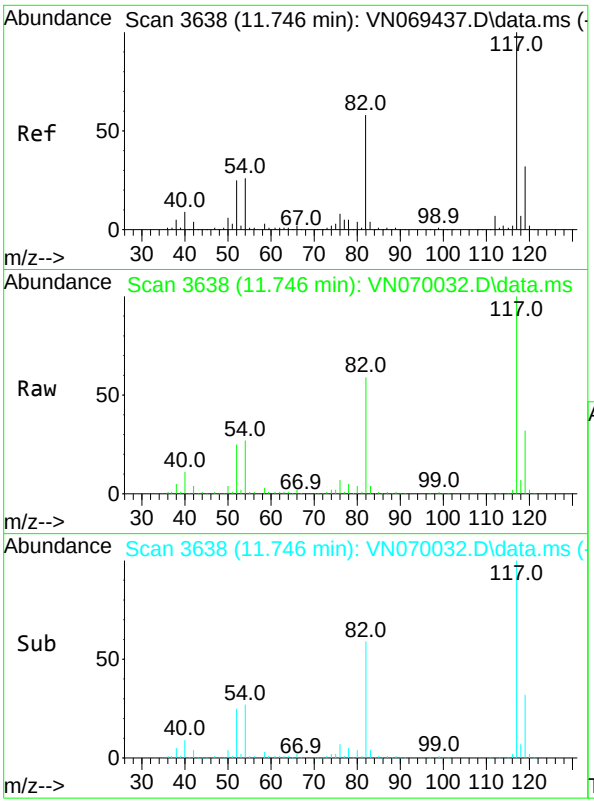


#51
Ethyl methacrylate
Concen: 0.232 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.314 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Tgt Ion: 69 Resp: 4440

Ion	Ratio	Lower	Upper
69	100		
41	95.6	33.0	98.9
39	40.8	25.4	76.4



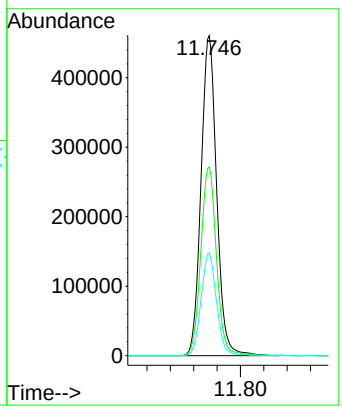


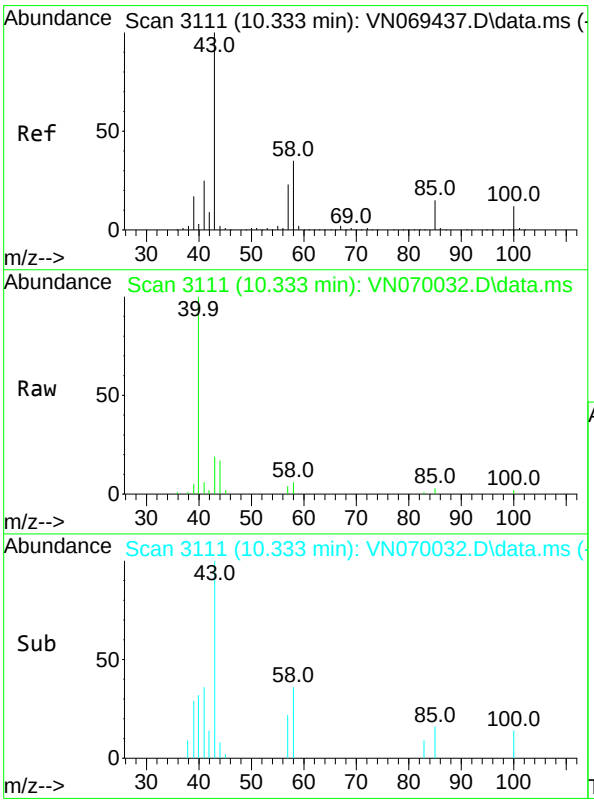
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3
Delta R.T. 0.003 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 854466

Ion	Ratio	Lower	Upper
117	100		
82	59.3	43.6	65.4
119	31.5	25.8	38.6

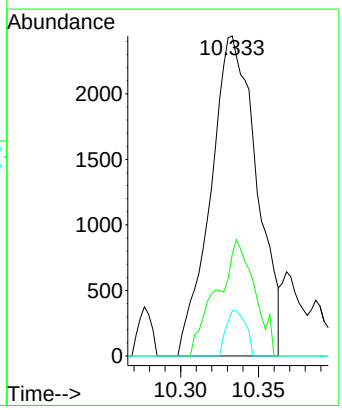


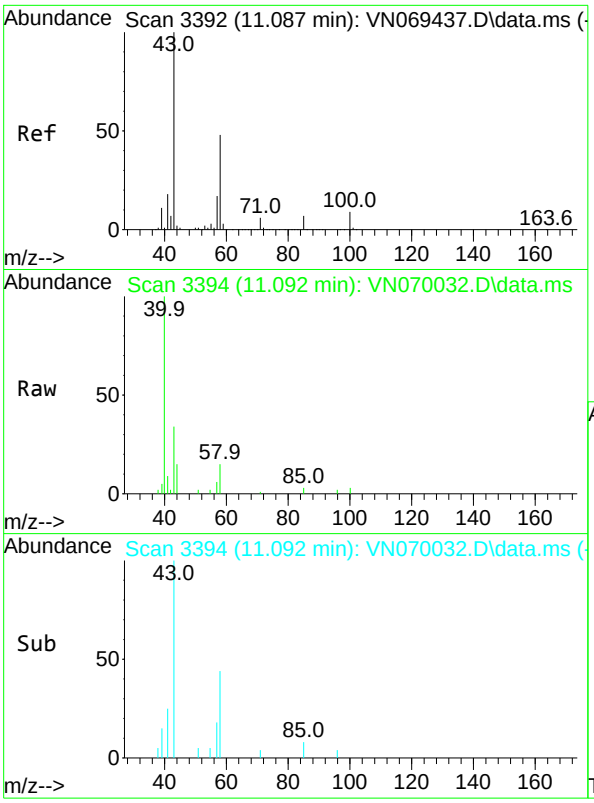


#58
4-Methyl-2-Pentanone
Concen: 0.256 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Tgt Ion: 43 Resp: 5025

Ion	Ratio	Lower	Upper
43	100		
58	19.1	30.0	45.0#
85	6.0	15.0	22.6#



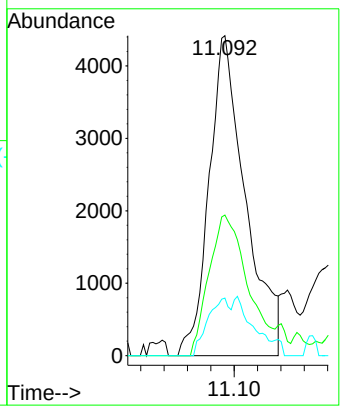


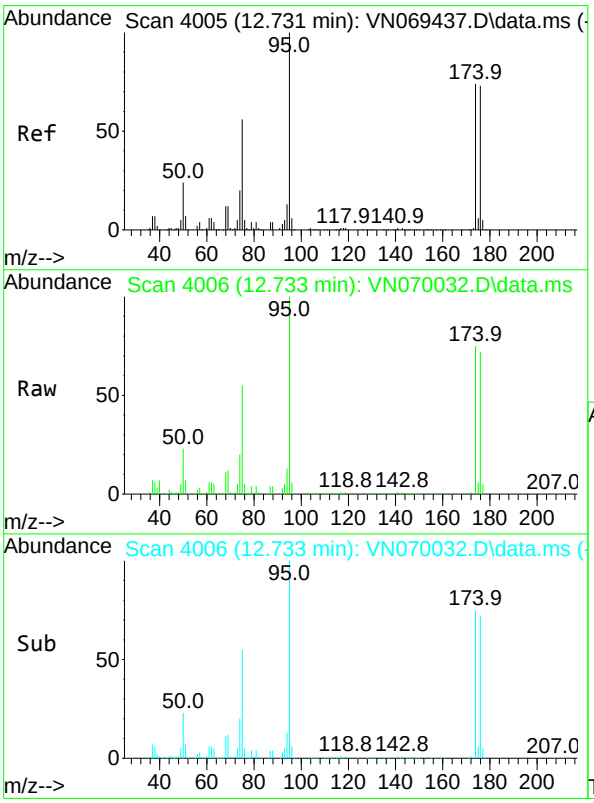
#59
2-Hexanone
Concen: 0.660 ug/l
RT: 11.092 min Scan# 3
Delta R.T. 0.008 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 9565

Ion	Ratio	Lower	Upper
43	100		
58	47.0	42.2	63.2
57	11.2	15.0	22.4#

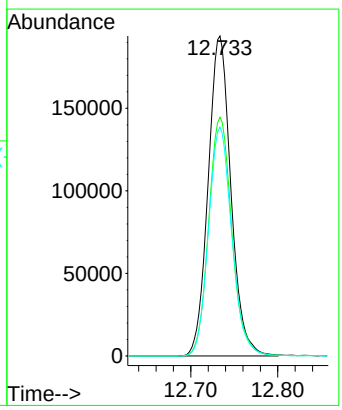


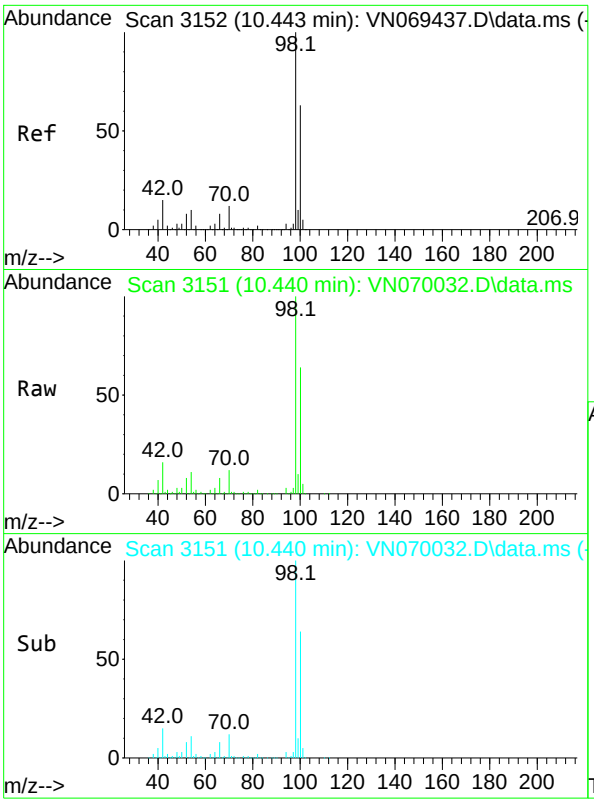


#60
4-Bromofluorobenzene
Concen: 25.094 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Tgt Ion: 95 Resp: 352828

Ion	Ratio	Lower	Upper
95	100		
174	75.9	62.9	94.3
176	73.0	61.0	91.4



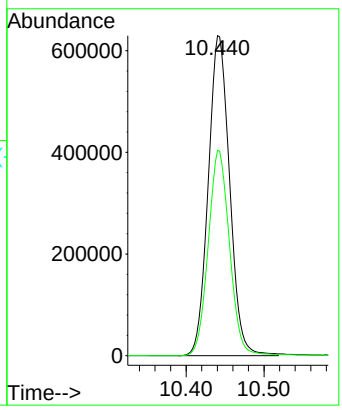


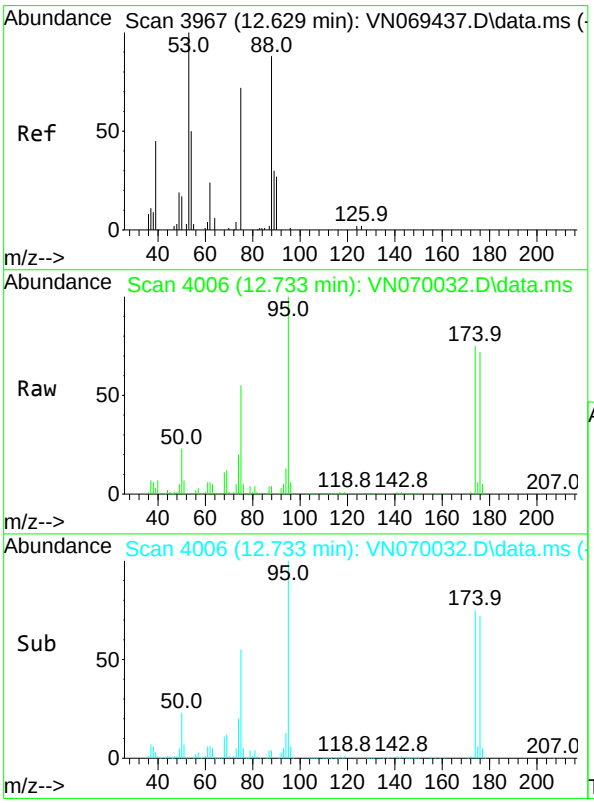
#63
Toluene-d8
Concen: 30.389 ug/l
RT: 10.440 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 1199952

Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.6	76.0

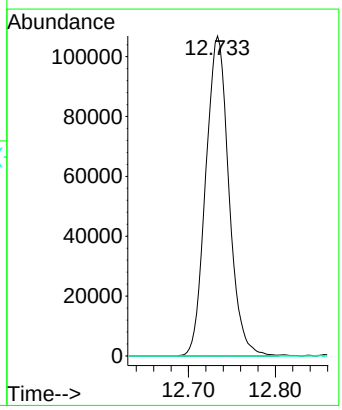


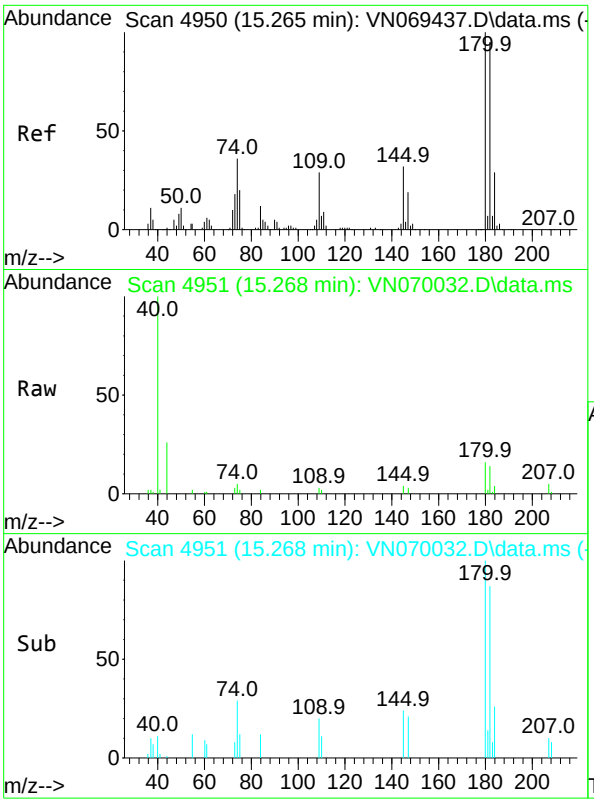


#77
t-1,4-Dichloro-2-butene
Concen: 38.857 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.110 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Tgt Ion: 75 Resp: 197600

Ion	Ratio	Lower	Upper
75	100		
53	0.0	51.8	155.5#
89	0.0	22.9	68.7#



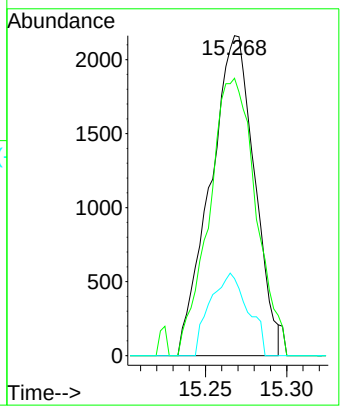


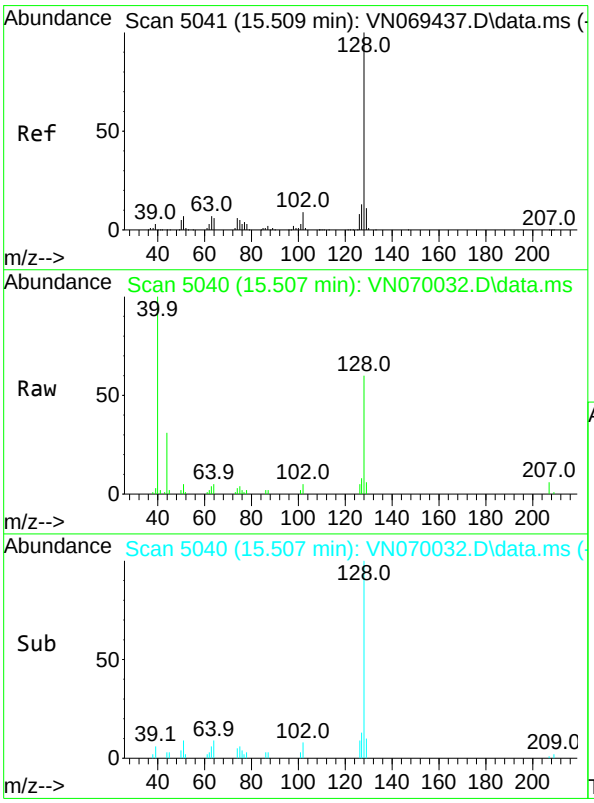
#89
1,2,4-Trichlorobenzene
Concen: 0.439 ug/l
RT: 15.268 min Scan# 4
Delta R.T. 0.005 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:180 Resp: 4085

Ion	Ratio	Lower	Upper
180	100		
182	91.4	77.7	116.5
145	20.1	26.6	39.8#

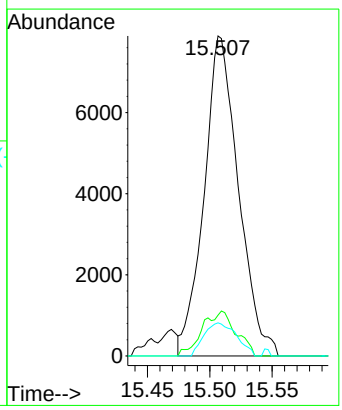


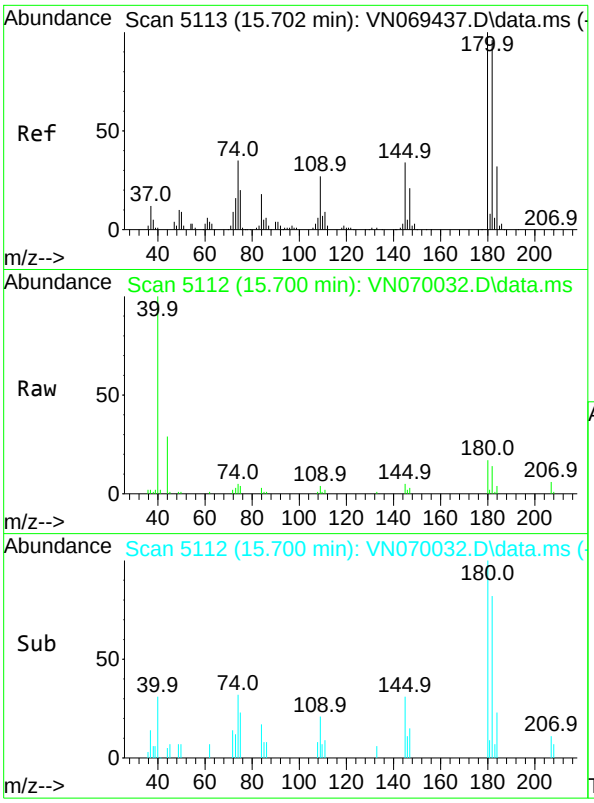


#91
Naphthalene
Concen: 8.464 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Tgt Ion:128 Resp: 15109

Ion	Ratio	Lower	Upper
128	100		
127	7.8	10.7	16.1#
129	9.8	9.0	13.6





#92
1,2,3-Trichlorobenzene
Concen: 0.572 ug/l
RT: 15.700 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN070032.D
Acq: 13 Dec 2021 15:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:180 Resp: 5026

Ion	Ratio	Lower	Upper
180	100		
182	73.9	0.0	190.0
145	1.7	0.0	67.8