Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
Data File : VN052498.D
Acq On : 28 Nov 2018 00:45
Operator : MD\SY
Sample : J6067-04 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 35 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : 14B-4

Quant Time: Nov 28 06:19:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.20	128	185451	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	1050669	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	875177	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	375238	29.70	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 99.00%				
60) 4-Bromofluorobenzene	12.40	95	344667	25.76	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 85.87%				
63) Toluene-d8	10.09	98	1232858	30.38	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 101.27%				
Target Compounds							Qvalue
13) Acrolein	3.62	56	745	0.718	ug/l	#	35
15) Acetone	3.82	58	646	0.663	ug/l	#	16
18) Methylene Chloride	4.55	84	3206	0.266	ug/l	#	80
25) Chloroform	7.37	83	2694692	128.581	ug/l		100
33) Carbon Tetrachloride	7.37	117	31660	2.167	ug/l		93
41) Bromodichloromethane	9.40	83	293811	19.031	ug/l		98
44) Isopropyl Acetate	8.20	43	3728	0.233	ug/l	#	56
45) 1,4-Dioxane	9.40	88	102	1.165	ug/l	#	1
51) Ethyl methacrylate	10.09	69	3352	0.269	ug/l		86
52) 1,3-Dichloropropane	10.38	76	4272	0.242	ug/l	#	42
53) Dibromochloromethane	10.90	129	13264	1.216	ug/l		93
56) Bromoform	12.40	173	2563	0.360	ug/l	#	1
62) Toluene	10.16	91	11892	0.246	ug/l		95
67) m/p-Xylenes	11.62	106	4729	0.244	ug/l		97
77) t-1,4-Dichloro-2-butene	12.40	75	166062	56.272	ug/l	#	11

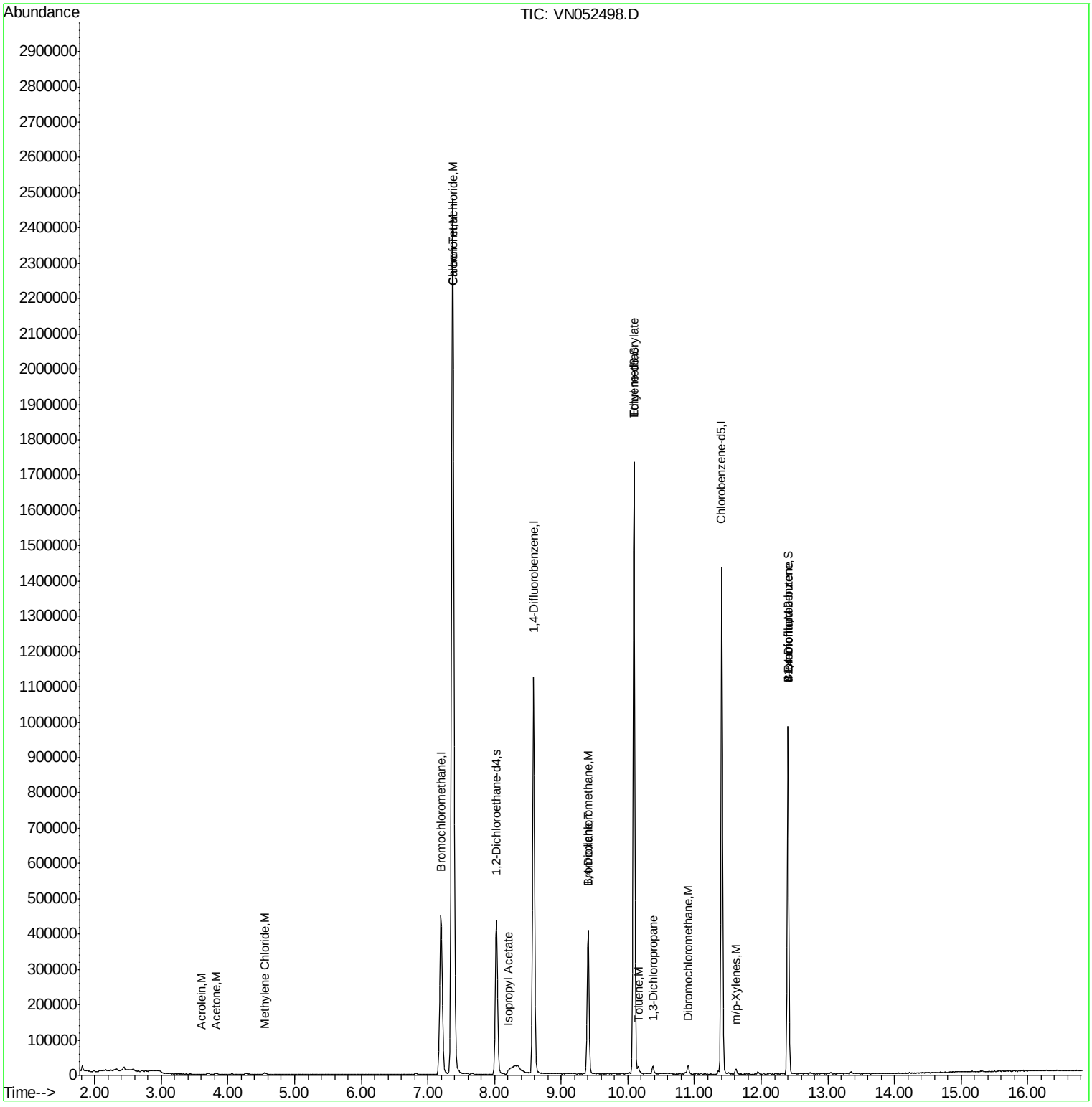
(#) = qualifier out of range (m) = manual integration (+) = signals summed

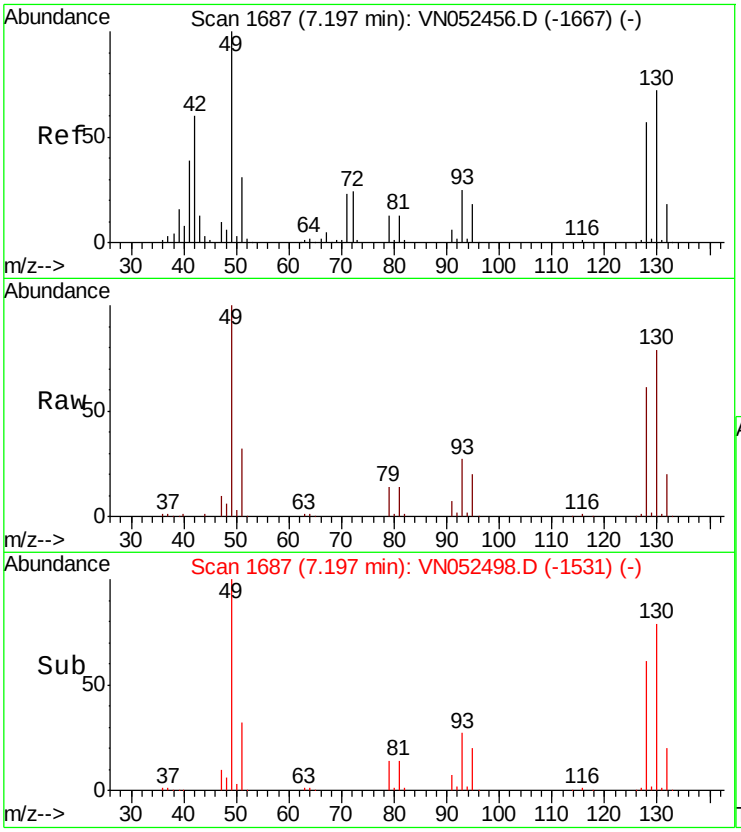
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
Data File : VN052498.D
Acq On : 28 Nov 2018 00:45
Operator : MD\SY
Sample : J6067-04 5X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 35 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : 14B-4

Quant Time: Nov 28 06:19:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration



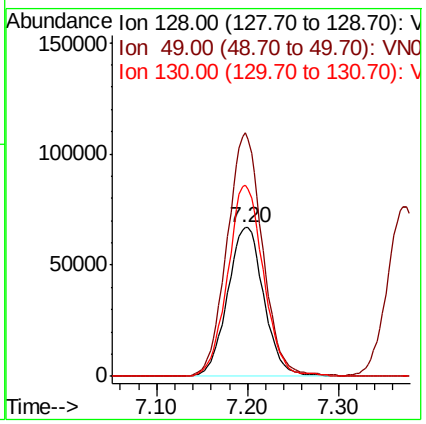


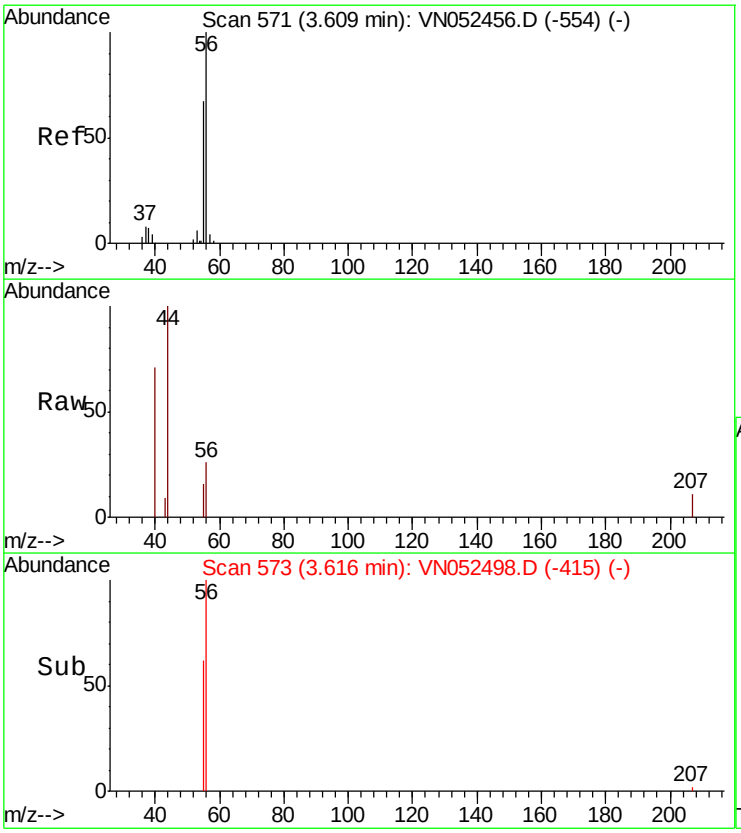
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion:128 Resp: 185451

Ion	Ratio	Lower	Upper
128	100		
49	160.1	0.0	431.8
130	125.9	0.0	317.0

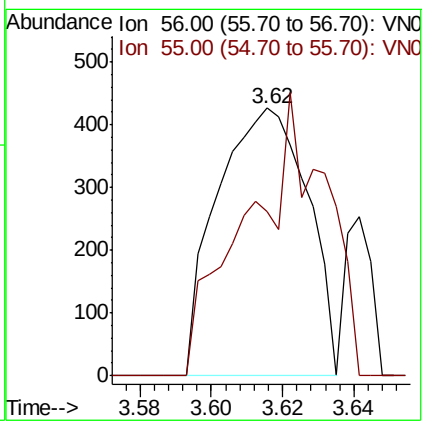


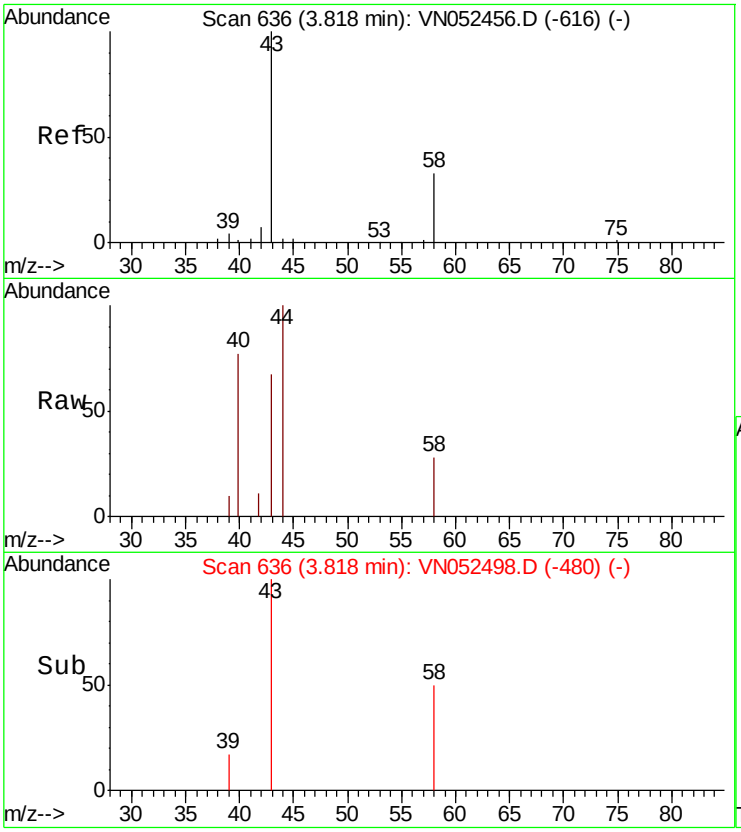


#13
Acrolein
Concen: 0.718 ug/l
RT: 3.62 min Scan# 573
Delta R.T. 0.01 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Tgt Ion: 56 Resp: 745

Ion	Ratio	Lower	Upper
56	100		
55	17.2	56.7	85.1#



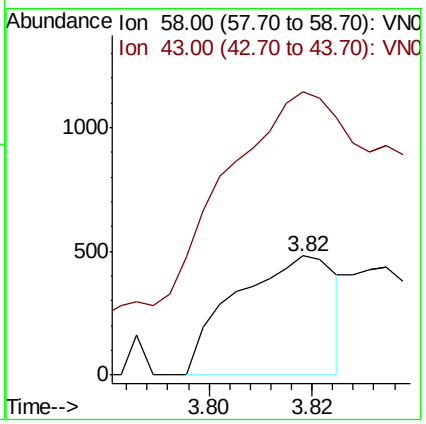


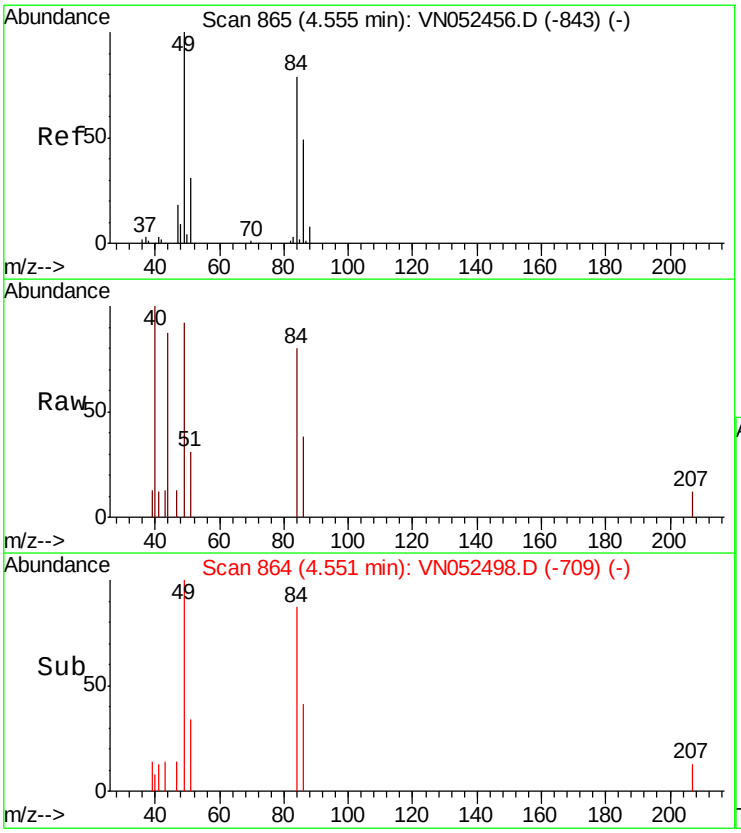
#15
Acetone
Concen: 0.663 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Instrument : MSVOA_N
ClientSampleId : 14B-4

Tgt Ion: 58 Resp: 646

Ion	Ratio	Lower	Upper
58	100		
43	138.7	243.6	365.4#

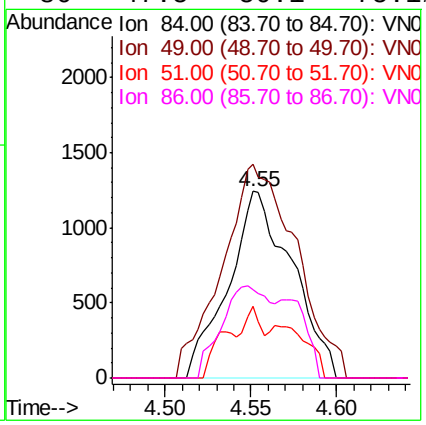


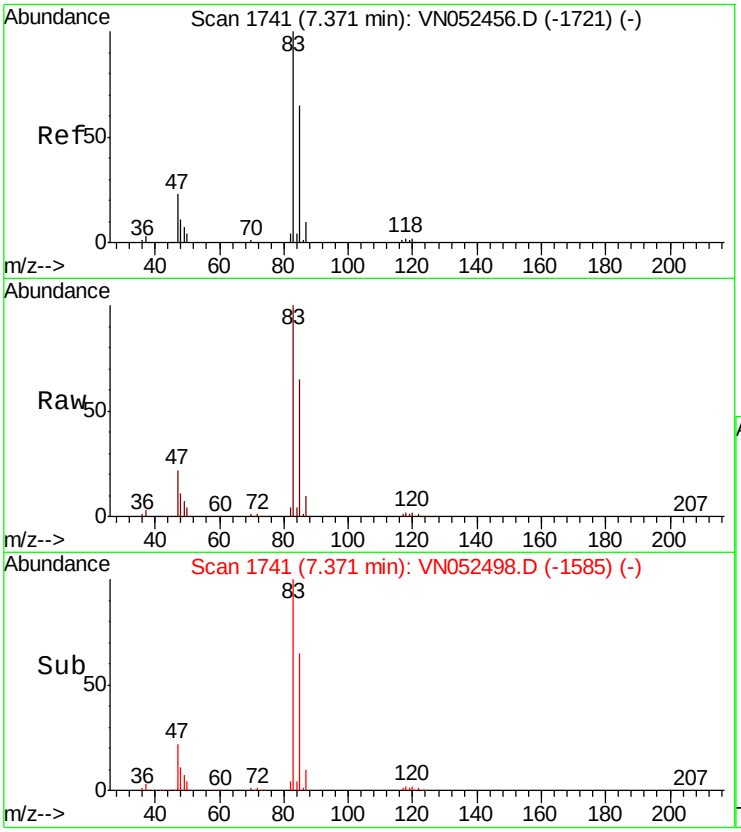


#18
Methylene Chloride
Concen: 0.266 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Tgt Ion: 84 Resp: 3206

Ion	Ratio	Lower	Upper
84	100		
49	97.0	101.4	152.0#
51	38.4	31.7	47.5
86	47.5	50.1	75.1#



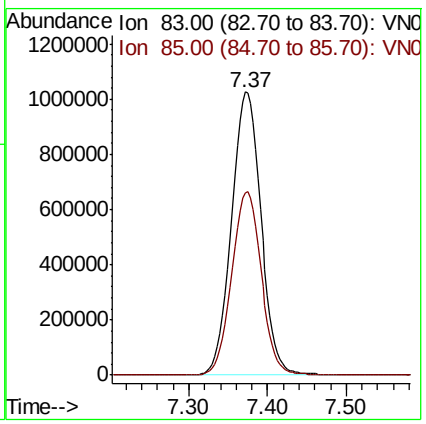


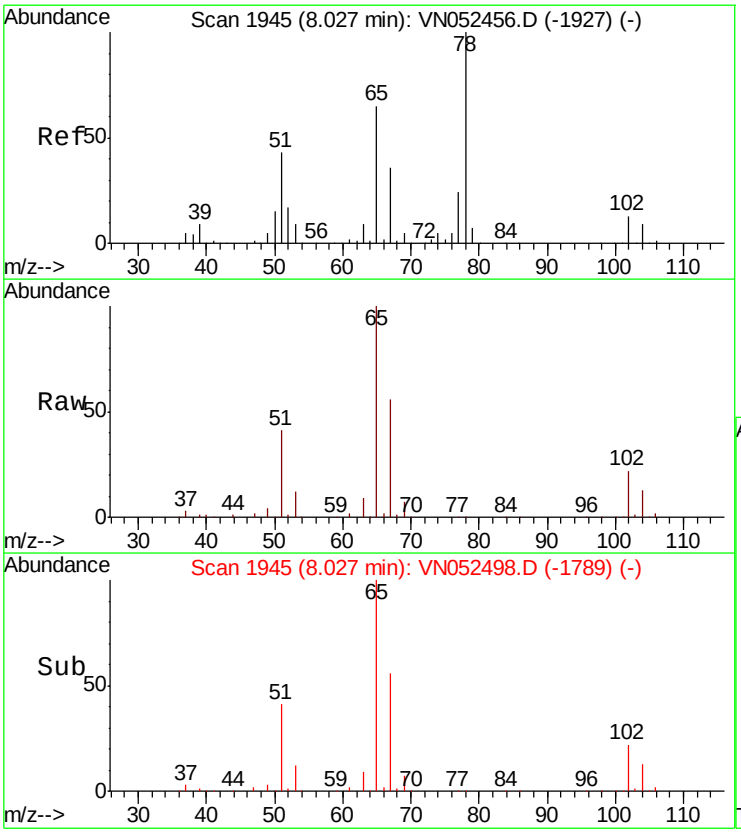
#25
Chloroform
Concen: 128.581 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 83 Resp: 2694692

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.7	77.5

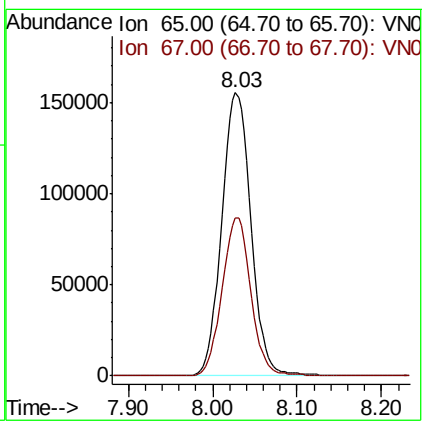


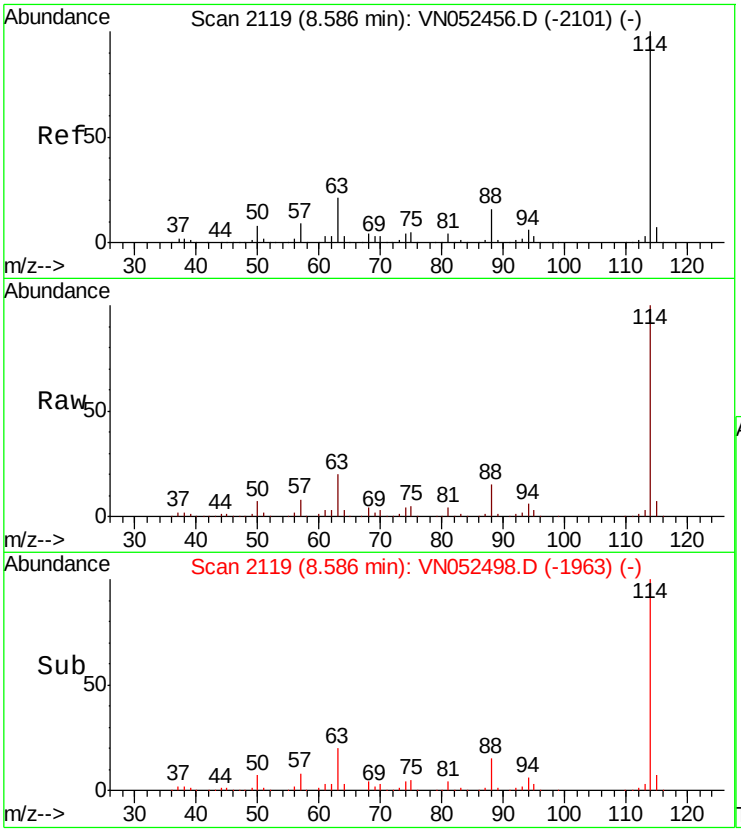


#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Tgt Ion: 65 Resp: 375238

Ion	Ratio	Lower	Upper
65	100		
67	54.8	44.6	66.8



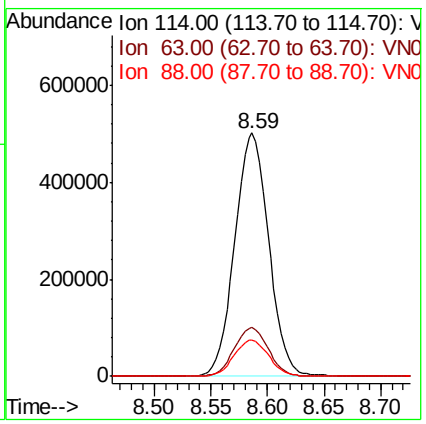


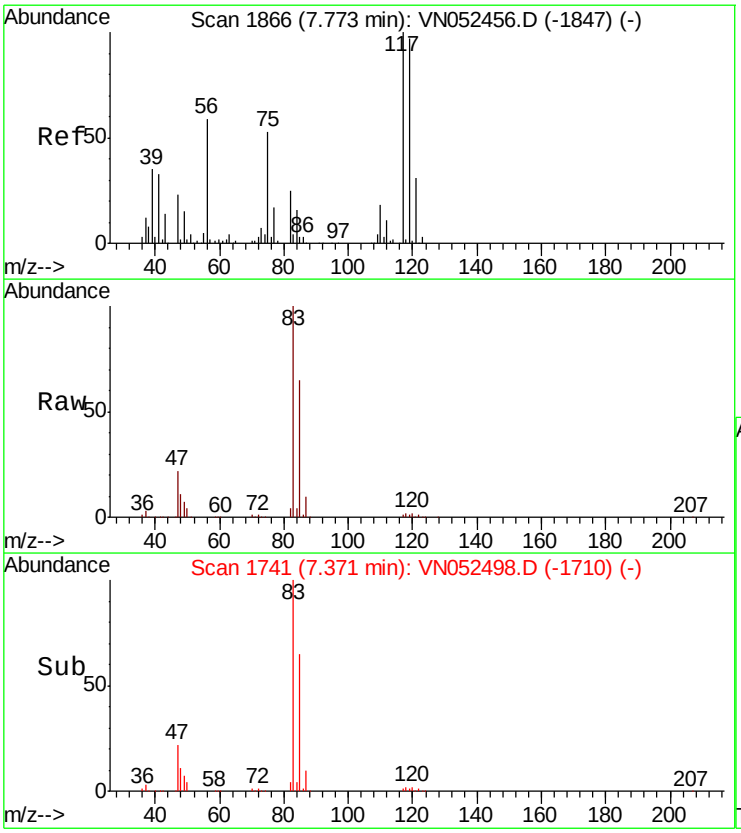
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion:114 Resp: 1050669

Ion	Ratio	Lower	Upper
114	100		
63	20.2	16.9	25.3
88	15.3	12.8	19.2

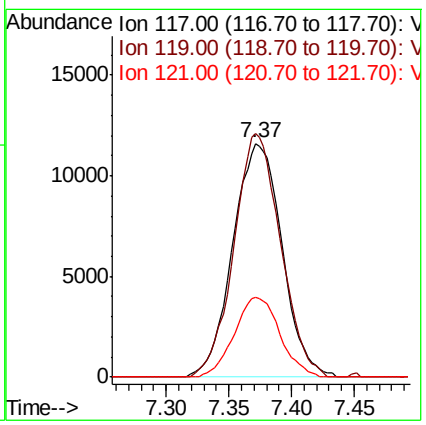


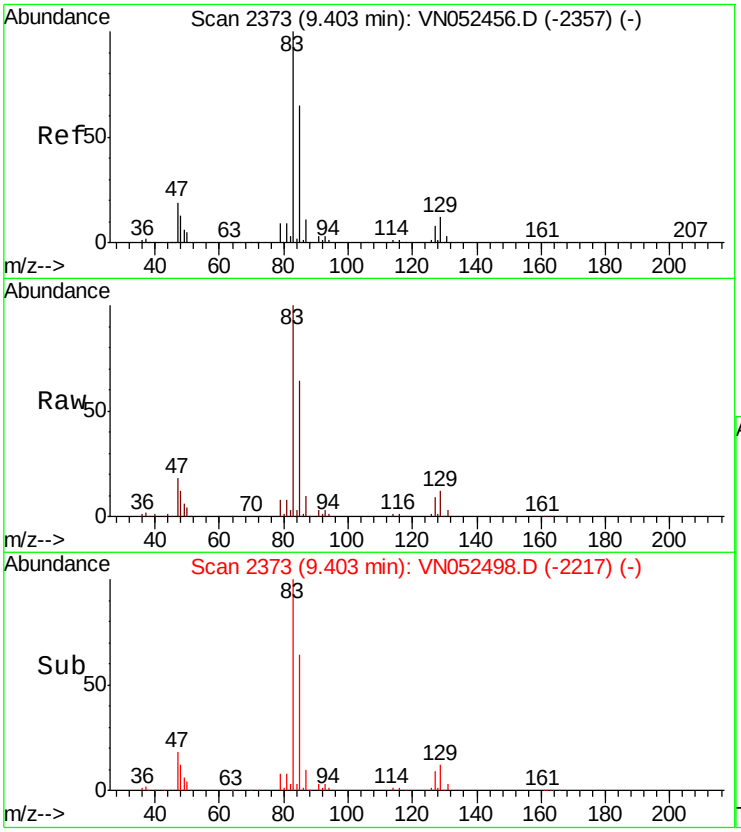


#33
Carbon Tetrachloride
Concen: 2.167 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.40 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Tgt Ion:117 Resp: 31660

Ion	Ratio	Lower	Upper
117	100		
119	104.2	77.3	115.9
121	34.1	24.9	37.3



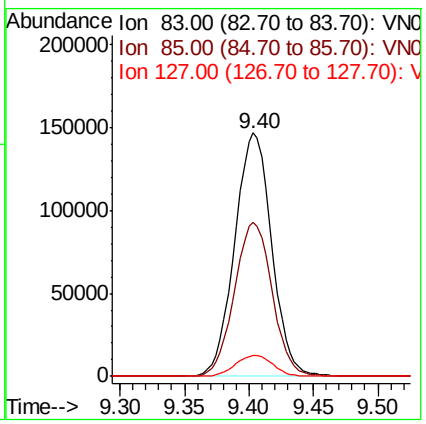


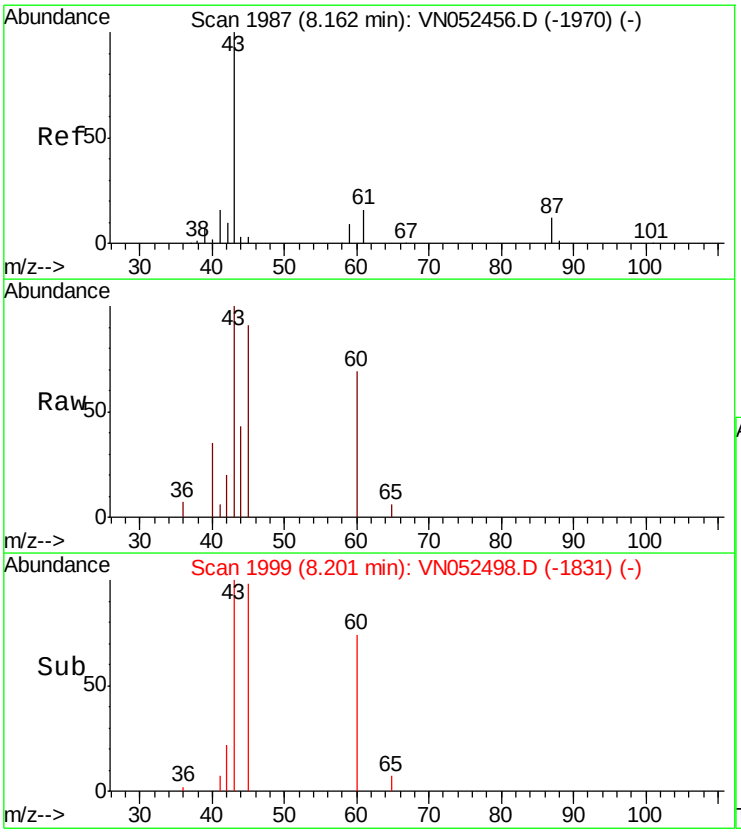
#41
Bromodichloromethane
Concen: 19.031 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 83 Resp: 293811

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.4	78.6
127	8.5	6.6	9.8

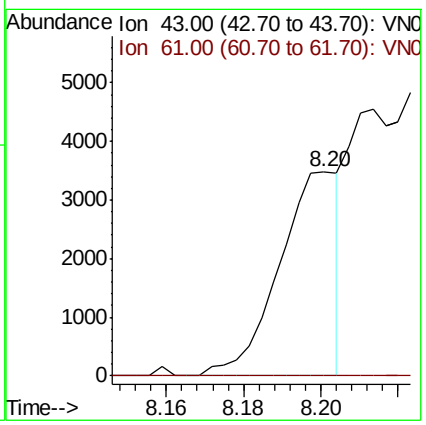


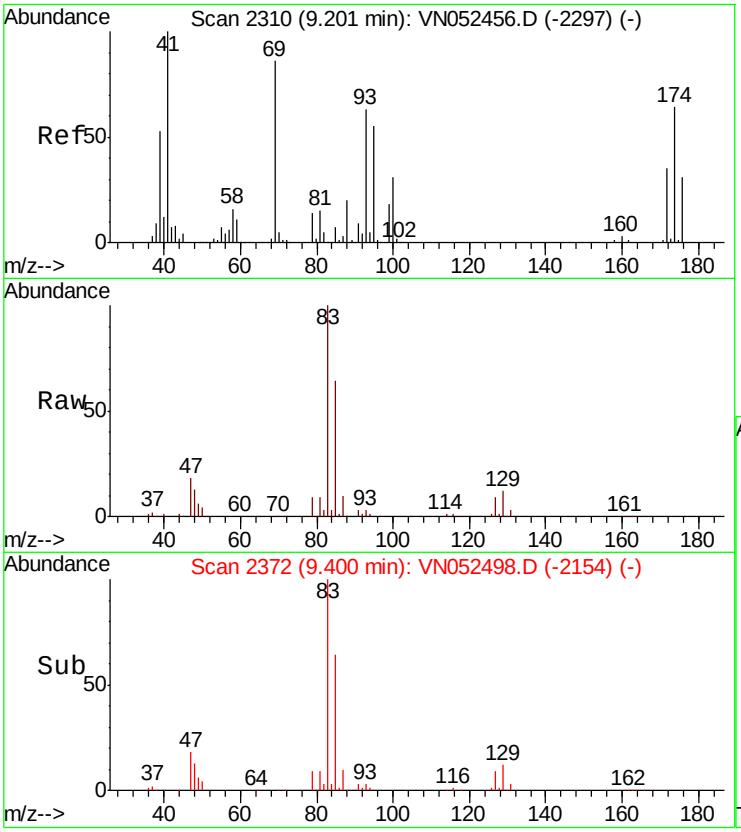


#44
Isopropyl Acetate
Concen: 0.233 ug/l
RT: 8.20 min Scan# 1999
Delta R.T. 0.04 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Tgt Ion: 43 Resp: 3728

Ion	Ratio	Lower	Upper
43	100		
61	0.0	16.0	24.0#



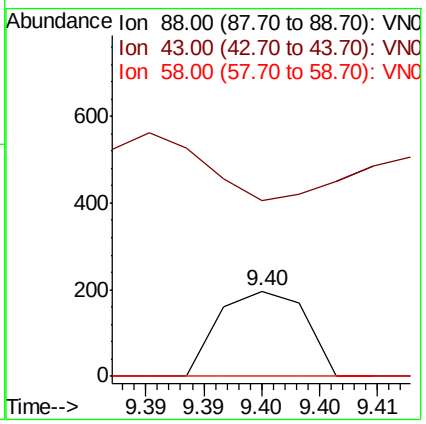


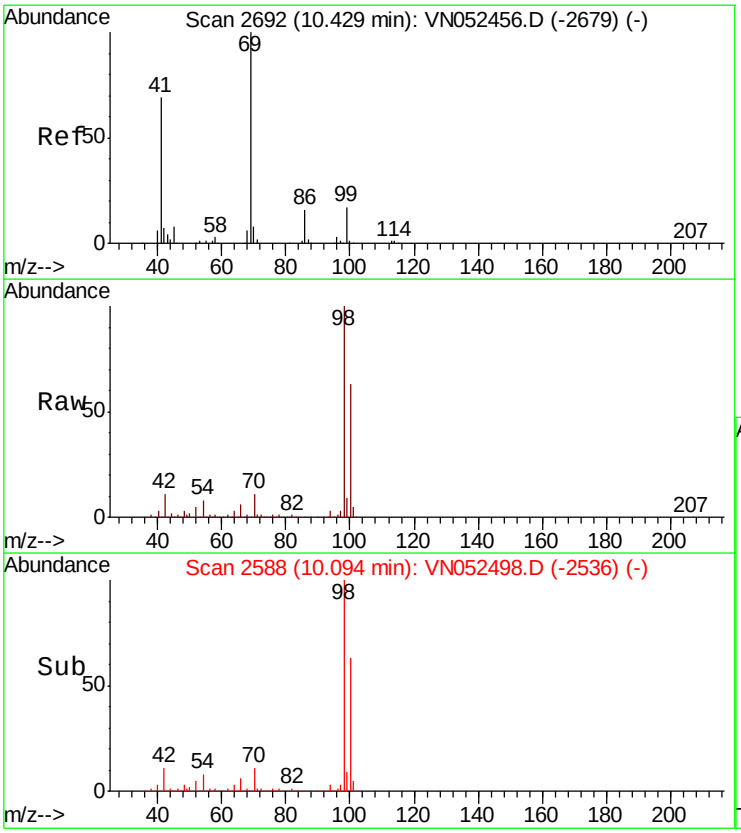
#45
1,4-Dioxane
Concen: 1.165 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. 0.20 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Instrument : MSVOA_N
ClientSampleId : 14B-4

Tgt Ion: 88 Resp: 102

Ion	Ratio	Lower	Upper
88	100		
43	217.6	29.5	44.3#
58	0.0	61.5	92.3#

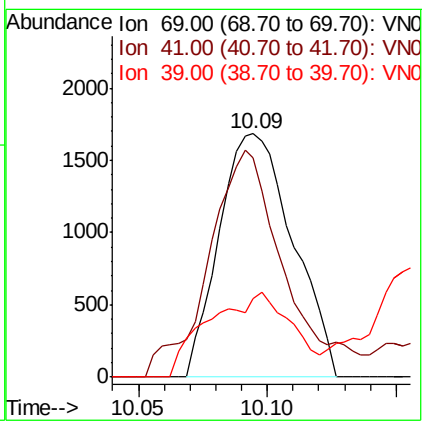


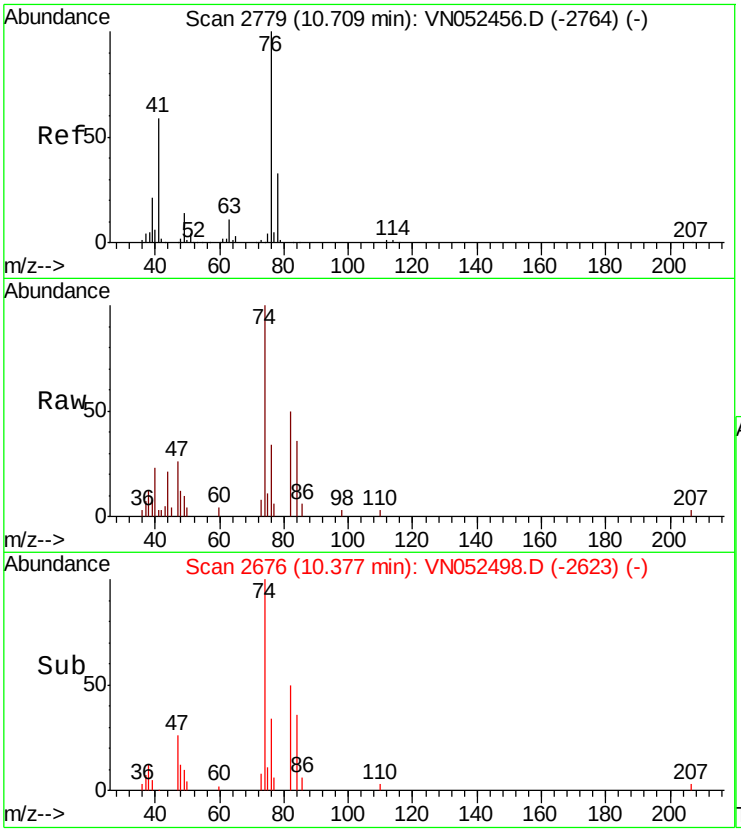


#51
Ethyl methacrylate
Concen: 0.269 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. -0.33 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Tgt Ion: 69 Resp: 3352

Ion	Ratio	Lower	Upper
69	100		
41	75.6	34.4	103.3
39	18.6	16.4	49.2



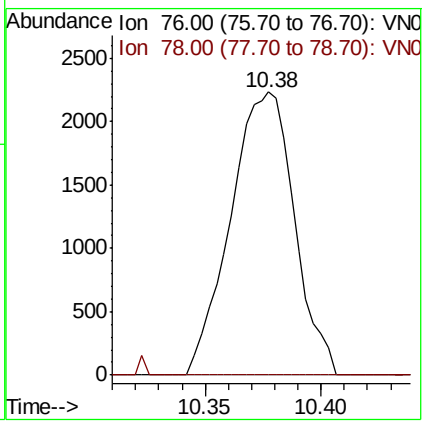


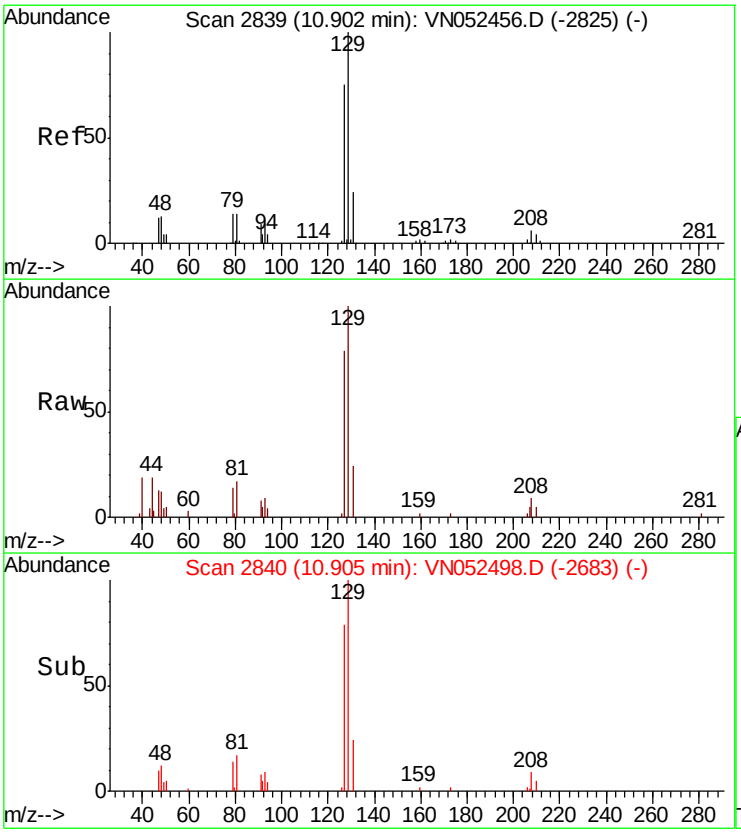
#52
1,3-Dichloropropane
Concen: 0.242 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.33 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 76 Resp: 4272

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	64.8

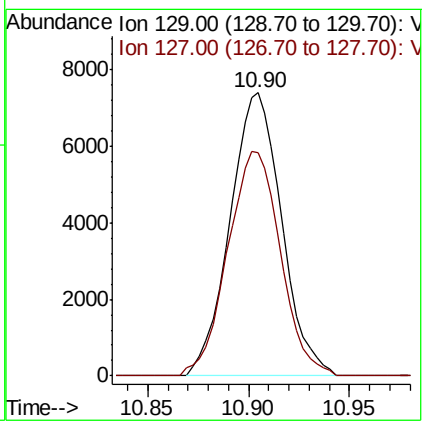


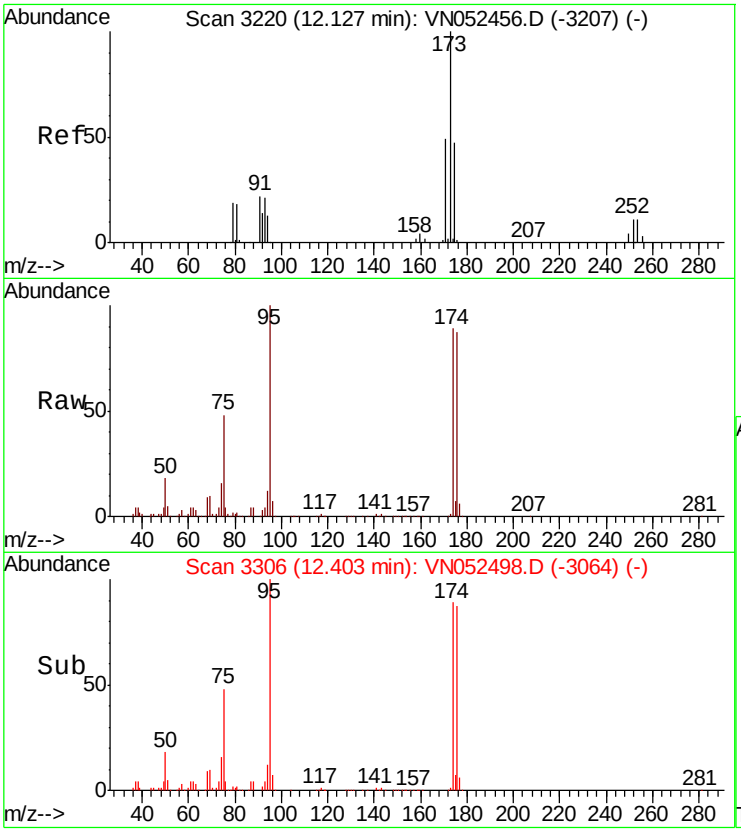


#53
Dibromochloromethane
Concen: 1.216 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Tgt Ion:129 Resp: 13264

Ion	Ratio	Lower	Upper
129	100		
127	80.9	37.6	112.8



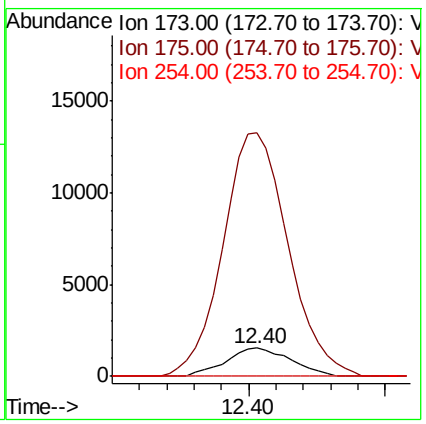


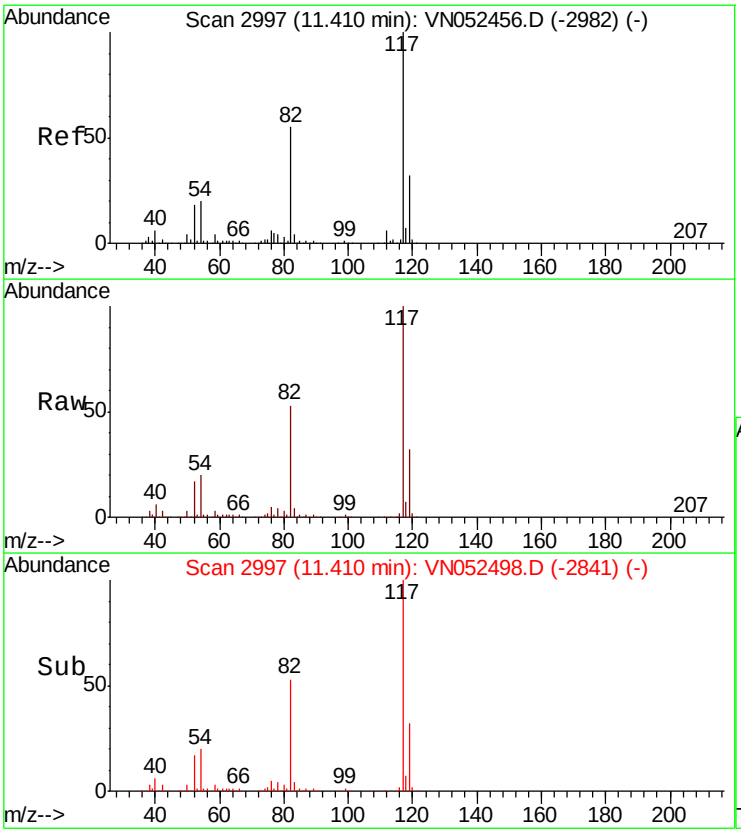
#56
Bromoform
Concen: 0.360 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Instrument : MSVOA_N
ClientSampleId : 14B-4

Tgt Ion:173 Resp: 2563

Ion	Ratio	Lower	Upper
173	100		
175	858.5	38.7	58.1#
254	0.0	8.4	12.6#

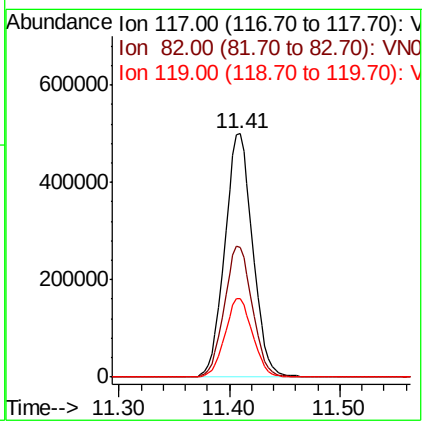


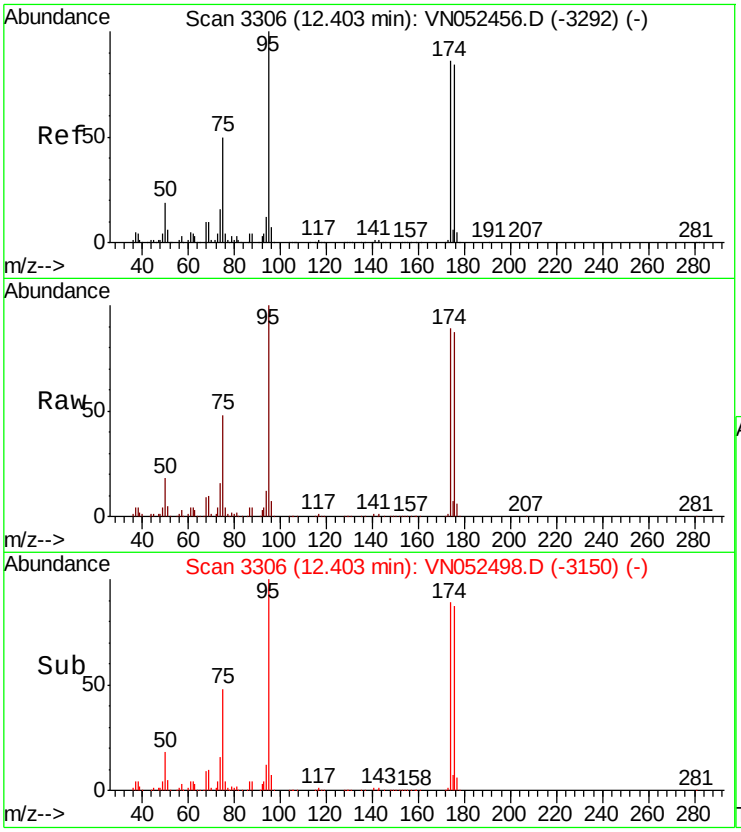


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Tgt Ion:117 Resp: 875177

Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.2
119	32.1	25.4	38.2



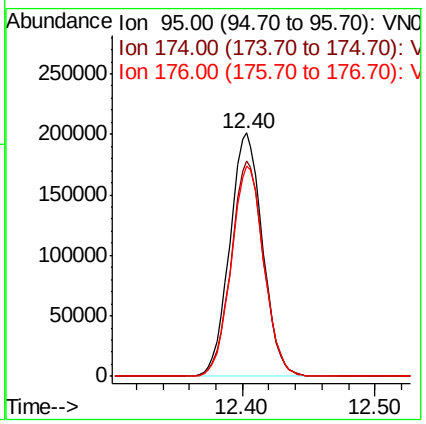


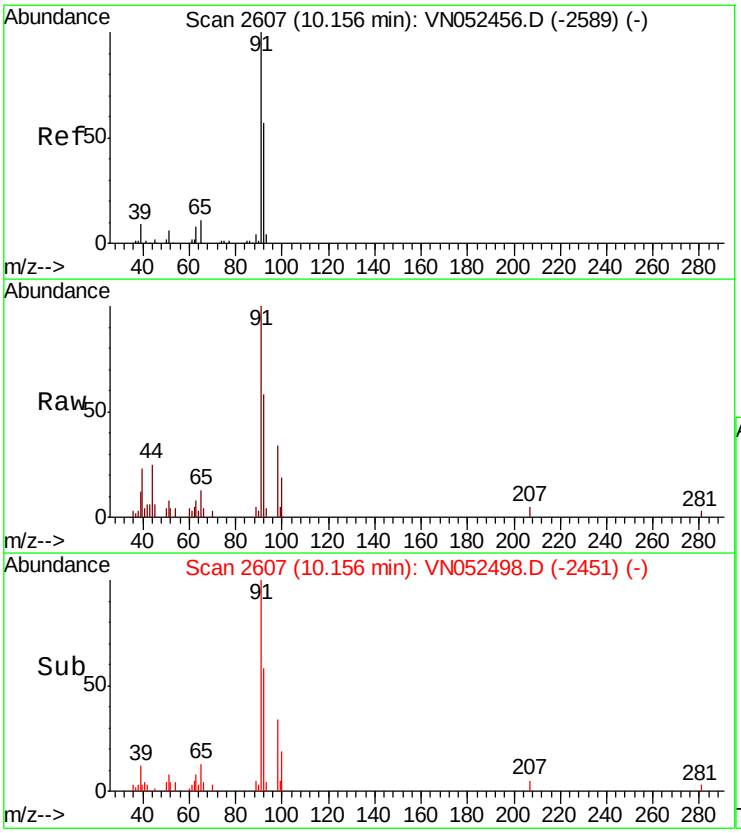
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 95 Resp: 344667

Ion	Ratio	Lower	Upper
95	100		
174	87.6	67.9	101.9
176	86.2	66.4	99.6

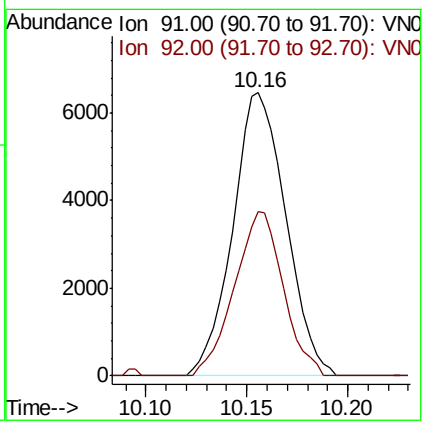


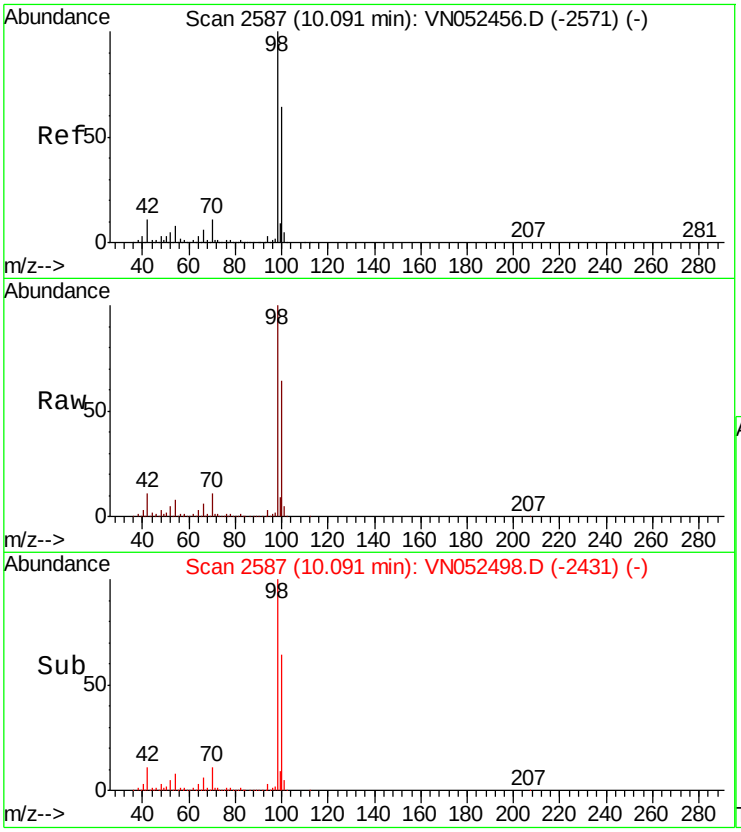


#62
Toluene
Concen: 0.246 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Tgt Ion: 91 Resp: 11892

Ion	Ratio	Lower	Upper
91	100		
92	53.3	45.4	68.2



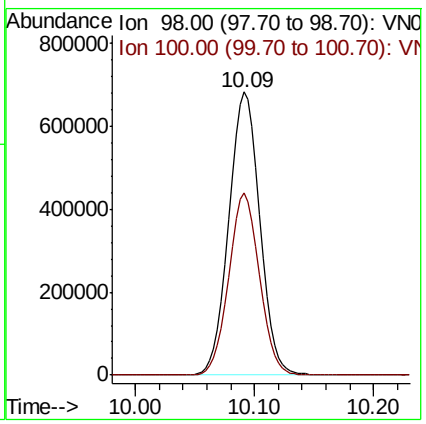


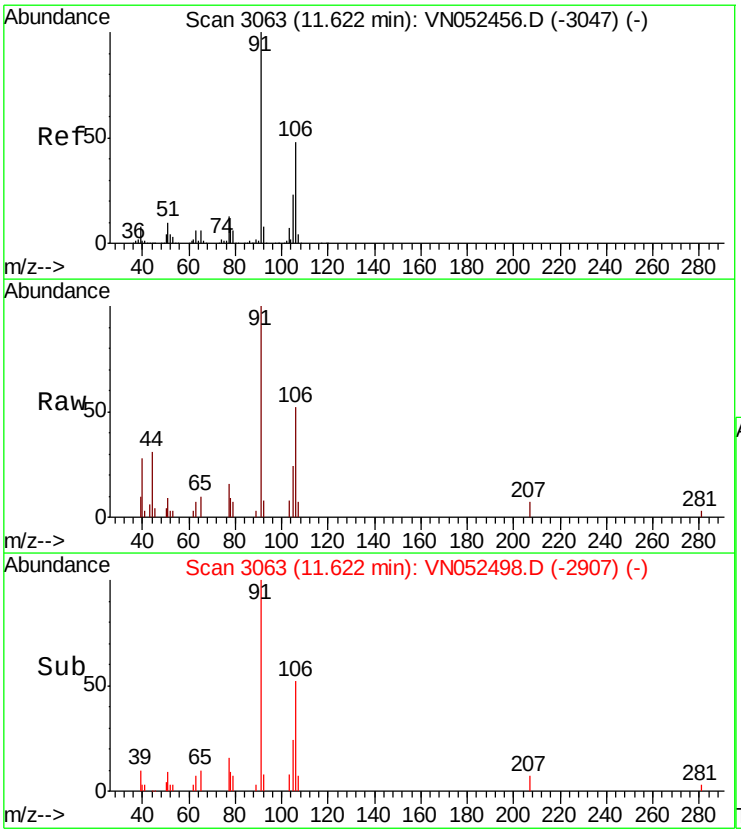
#63
Toluene-d8
Concen: 0.246 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 98 Resp: 1232858

Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7

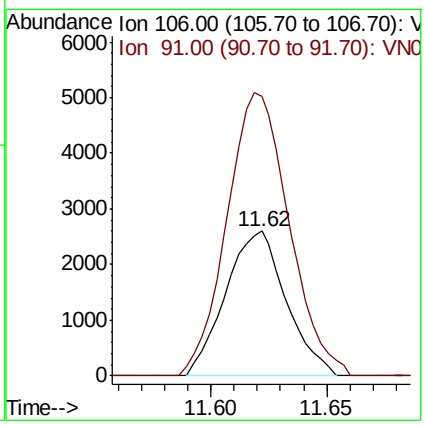


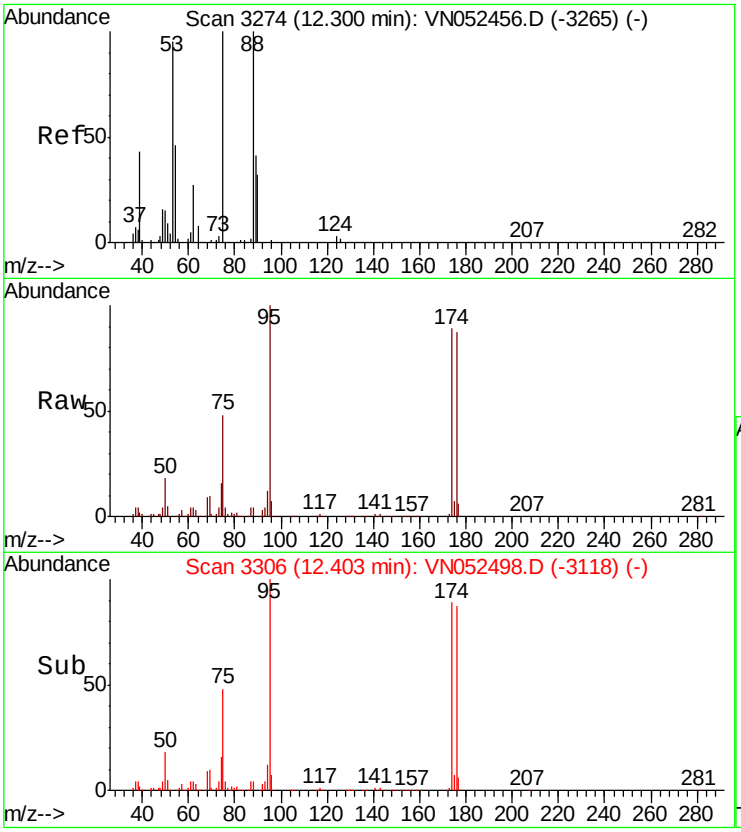


#67
m/p-Xylenes
Concen: 0.244 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Tgt Ion:106 Resp: 4729

Ion	Ratio	Lower	Upper
106	100		
91	200.8	163.9	245.9





#77
t-1,4-Dichloro-2-butene
Concen: 56.272 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052498.D
Acq: 28 Nov 2018 00:45

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 75 Resp: 166062

Ion	Ratio	Lower	Upper
75	100		
53	0.0	48.5	145.6#
89	0.0	21.7	65.1#