Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100918\
Data File : VN051749.D
Acq On : 9 Oct 2018 14:07
Operator : MD\SY
Sample : J5330-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : EP1-WW01

Quant Time: Oct 10 03:28:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration

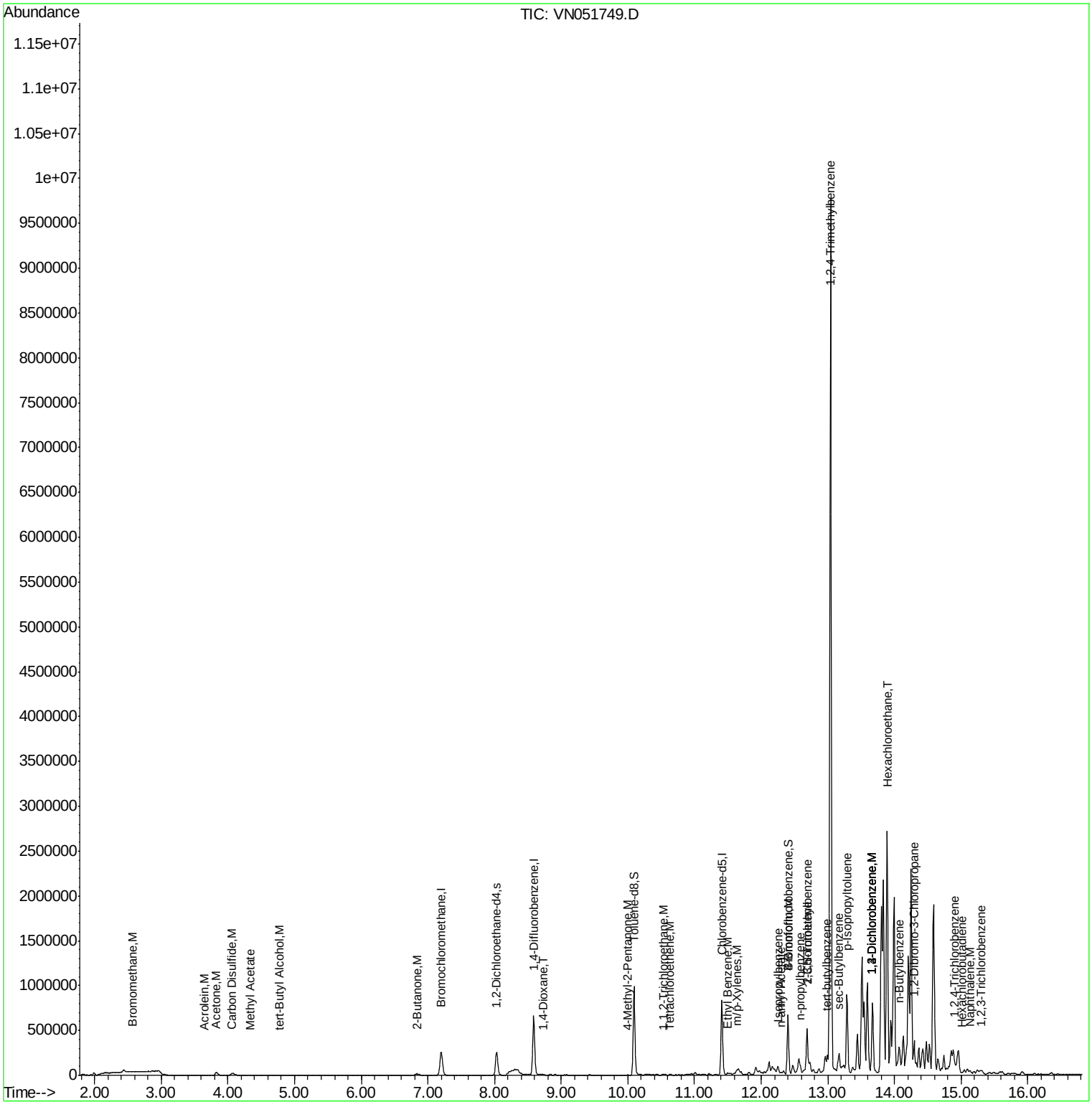
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.20	128	108672	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	620643	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	510203	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	219583	29.11	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 97.03%				
60) 4-Bromofluorobenzene	12.40	95	200793	25.79	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 85.97%				
63) Toluene-d8	10.09	98	716874	31.65	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 105.50%				
Target Compounds							Qvalue
5) Bromomethane	2.57	94	2403	0.327	ug/l		96
12) Methyl Acetate	4.33	43	2971	0.742	ug/l	#	71
13) Acrolein	3.65	56	203	0.690	ug/l		92
15) Acetone	3.82	58	17326	44.357	ug/l		93
16) Carbon Disulfide	4.05	76	3310	0.228	ug/l	#	73
23) tert-Butyl Alcohol	4.77	59	91	0.216	ug/l	#	100
30) 2-Butanone	6.85	43	9098	4.529	ug/l	#	78
45) 1,4-Dioxane	8.74	88	109	1.845	ug/l	#	1
47) n-amyl Acetate	12.29	43	4145	0.522	ug/l		98
50) 1,1,2-Trichloroethane	10.53	97	2150	0.361	ug/l	#	17
56) Bromoform	12.41	173	2086	0.372	ug/l	#	1
58) 4-Methyl-2-Pentanone	9.99	43	2475	0.591	ug/l	#	62
61) Tetrachloroethene	10.63	164	1495	0.249	ug/l	#	80
66) Ethyl Benzene	11.51	91	6813	0.234	ug/l		95
67) m/p-Xylenes	11.63	106	10097	0.868	ug/l		79
70) Isopropylbenzene	12.25	105	45131	1.464	ug/l		96
74) n-propylbenzene	12.59	91	57263	1.688	ug/l		99
75) 2-Chlorotoluene	12.69	91	37729	1.903	ug/l		43
76) 1,3,5-Trimethylbenzene	12.69	105	312584	11.953	ug/l		73
79) tert-butylbenzene	12.99	119	93837	3.990	ug/l		97
80) 1,2,4-Trimethylbenzene	13.04	105	5556385	213.615	ug/l		98
81) sec-Butylbenzene	13.17	105	122441	3.892	ug/l		74
82) p-Isopropyltoluene	13.29	119	502361	18.124	ug/l		97
83) 1,3-Dichlorobenzene	13.65	146	3366	0.254	ug/l		74
84) 1,4-Dichlorobenzene	13.65	146	3366	0.266	ug/l		72
85) n-Butylbenzene	14.07	91	31847	1.454	ug/l		47
86) Hexachloroethane	13.89	117	144864	26.415	ug/l	#	2
87) 1,2-Dichlorobenzene	13.65	146	3366	0.259	ug/l		69
88) 1,2-Dibromo-3-Chloropropan	14.29	75	1032	0.974	ug/l	#	24
89) 1,2,4-Trichlorobenzene	14.91	180	7584	7.790	ug/l	#	1
90) Hexachlorobutadiene	15.01	225	1999	0.506	ug/l		64
91) Naphthalene	15.13	128	28729	2.342	ug/l	#	96
92) 1,2,3-Trichlorobenzene	15.31	180	7947	1.418	ug/l	#	51

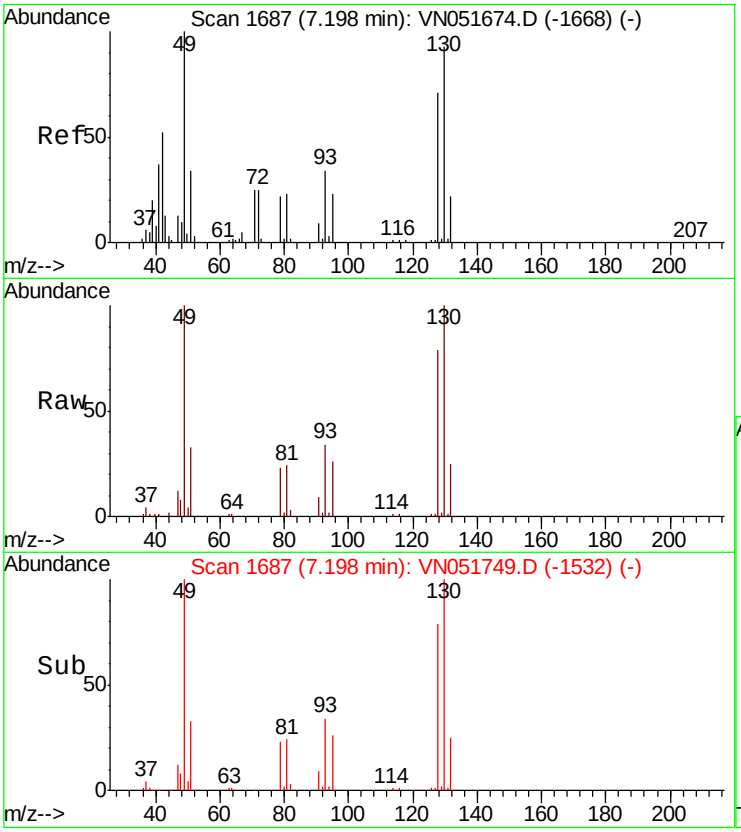
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100918\
Data File : VN051749.D
Acq On : 9 Oct 2018 14:07
Operator : MD\SY
Sample : J5330-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Quant Time: Oct 10 03:28:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration



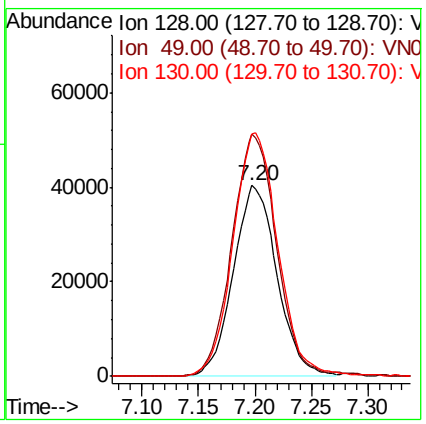


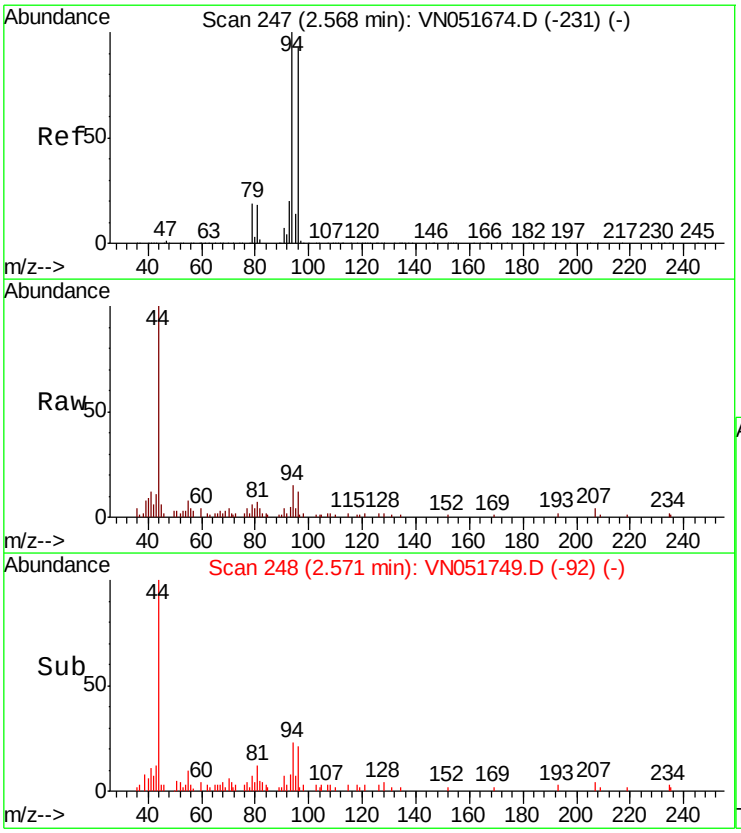
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion:128 Resp: 108672

Ion	Ratio	Lower	Upper
128	100		
49	129.1	0.0	403.3
130	130.7	0.0	326.0

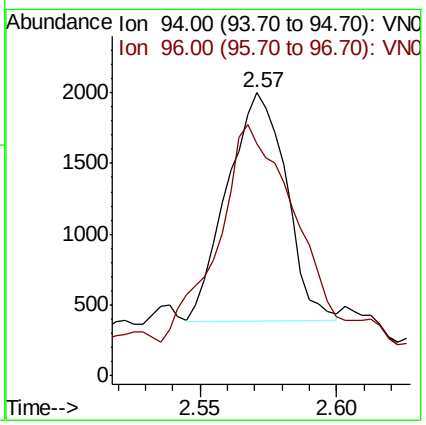


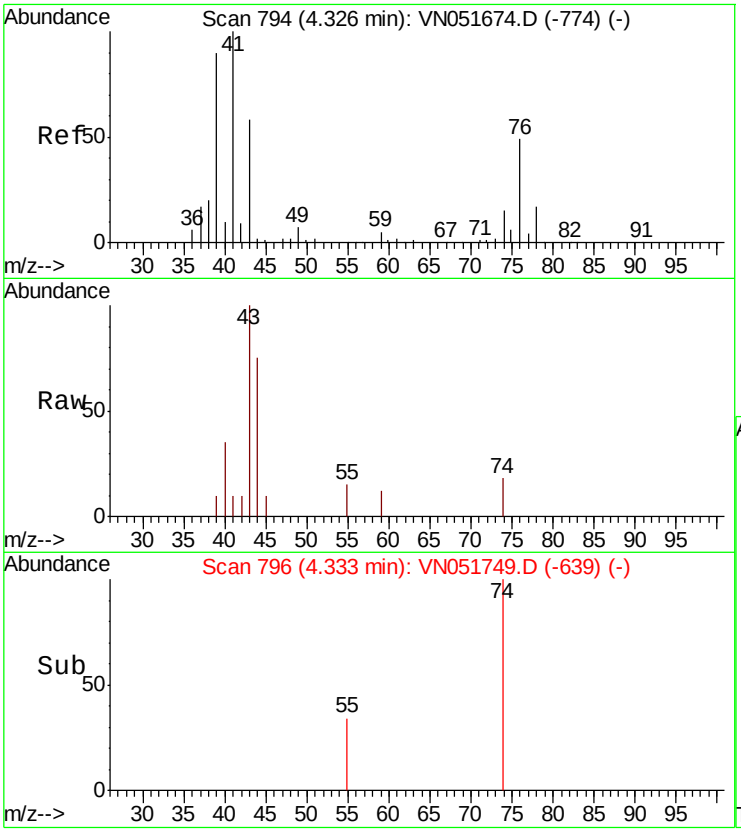


#5
Bromomethane
Concen: 0.327 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion: 94 Resp: 2403

Ion	Ratio	Lower	Upper
94	100		
96	86.8	66.4	99.6



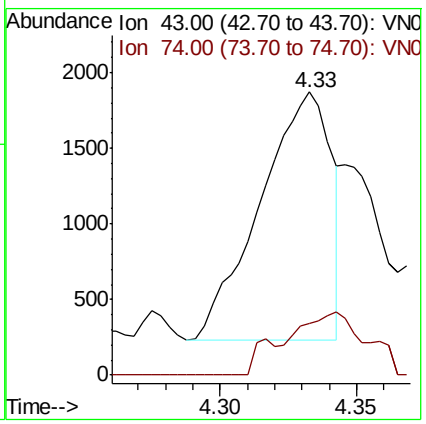


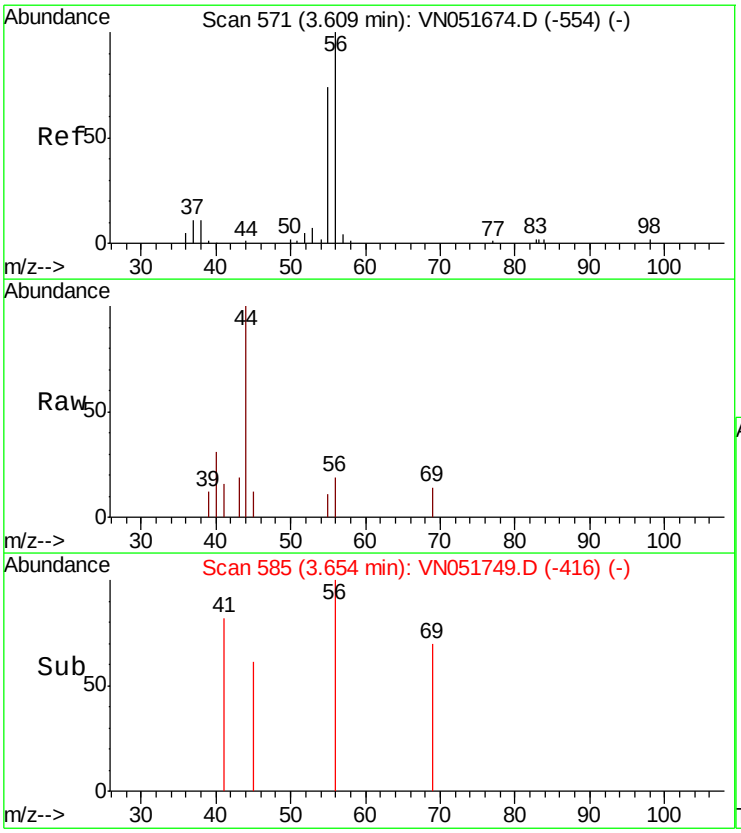
#12
Methyl Acetate
Concen: 0.742 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument : MSVOA_N
ClientSampleId : EP1-WW01

Tgt Ion: 43 Resp: 2971

Ion	Ratio	Lower	Upper
43	100		
74	12.0	21.8	32.6#

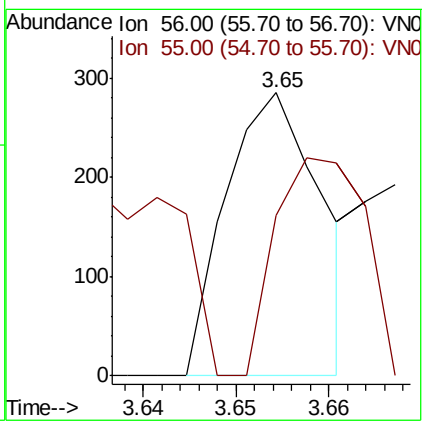


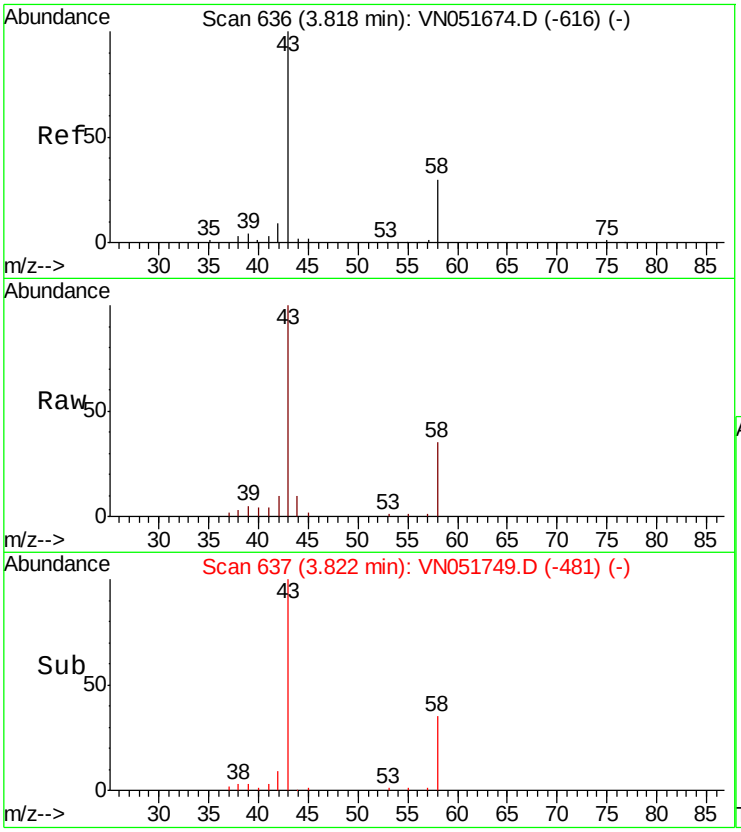


#13
Acrolein
Concen: 0.690 ug/l
RT: 3.65 min Scan# 585
Delta R.T. 0.04 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion: 56 Resp: 203

Ion	Ratio	Lower	Upper
56	100		
55	72.9	64.0	96.0



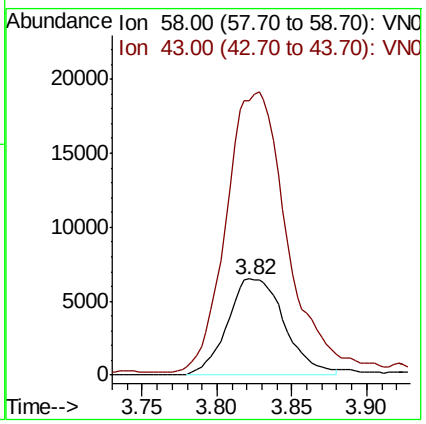


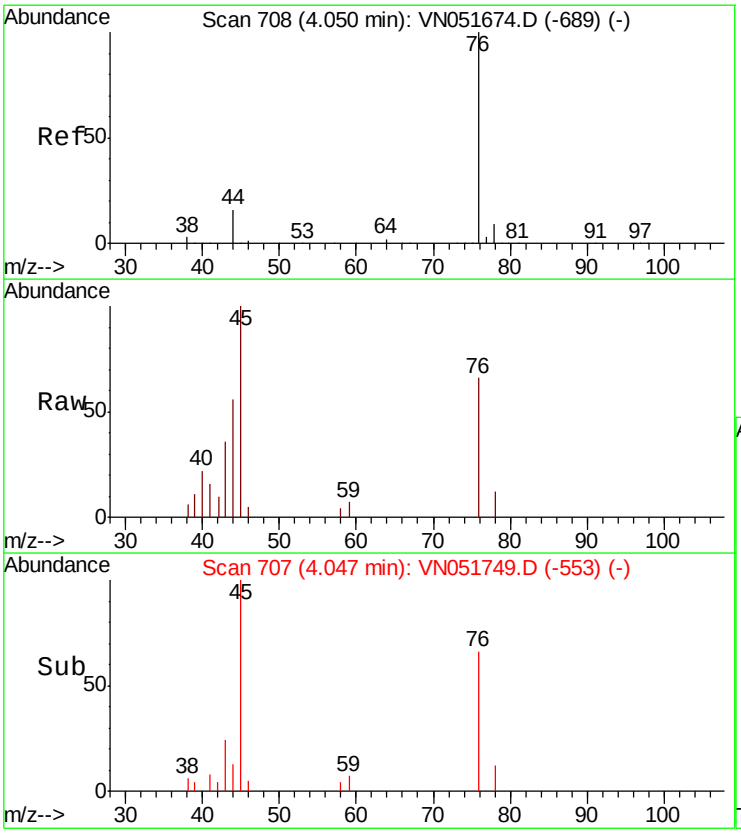
#15
Acetone
Concen: 44.357 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion: 58 Resp: 17326

Ion	Ratio	Lower	Upper
58	100		
43	276.5	232.2	348.2

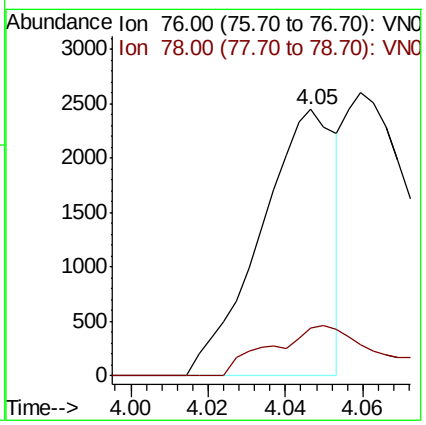


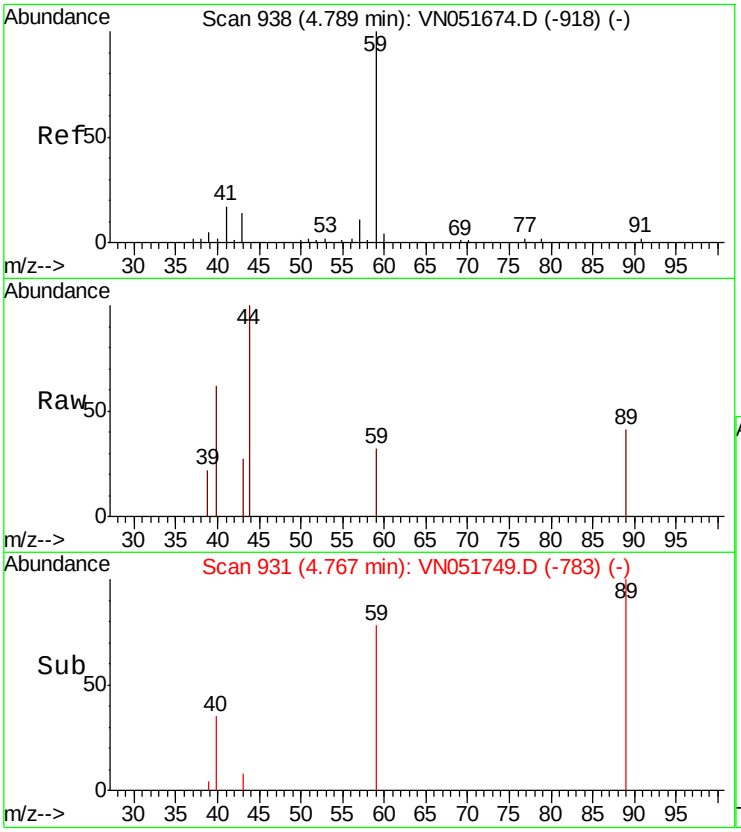


#16
Carbon Disulfide
Concen: 0.228 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion: 76 Resp: 3310

Ion	Ratio	Lower	Upper
76	100		
78	18.0	6.7	10.1#



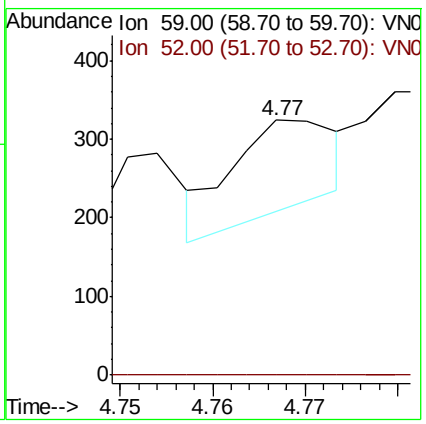


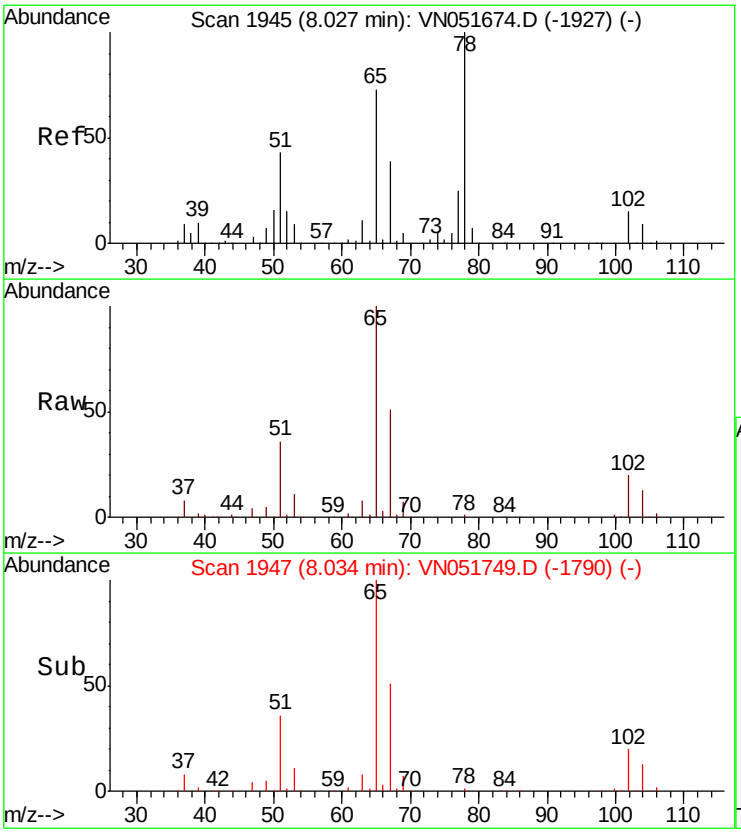
#23
tert-Butyl Alcohol
Concen: 0.216 ug/l
RT: 4.77 min Scan# 931
Delta R.T. -0.02 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument : MSVOA_N
ClientSampleId : EP1-WW01

Tgt Ion: 59 Resp: 91

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

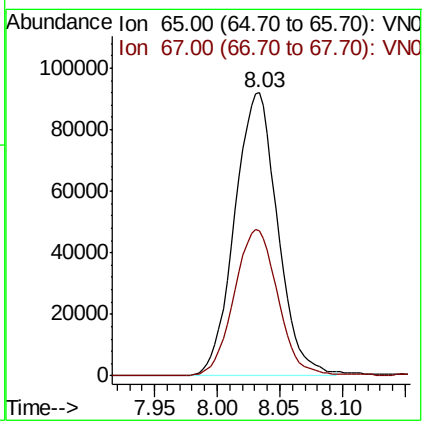


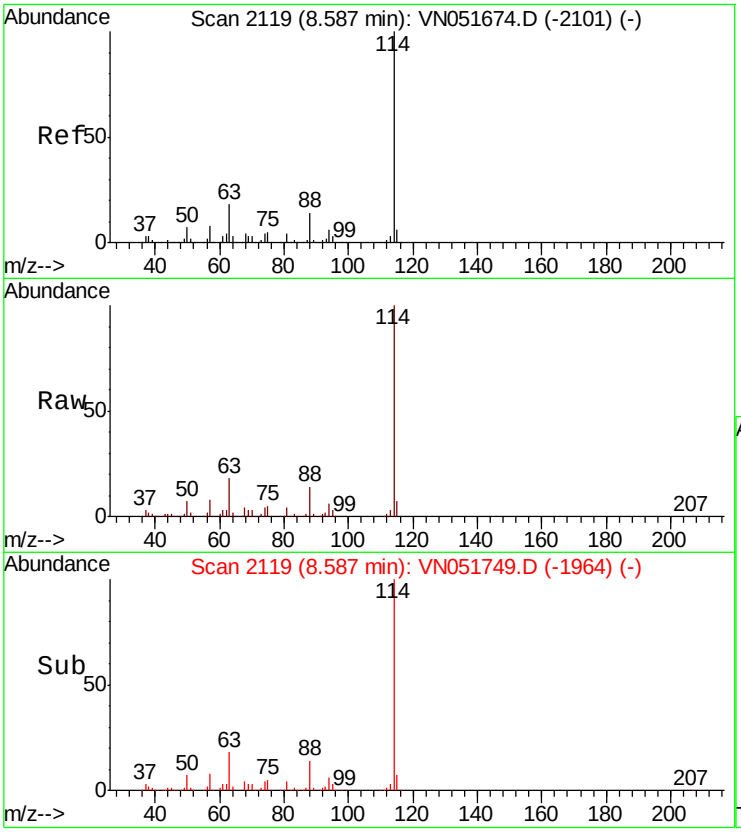


#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.01 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion: 65 Resp: 219583

Ion	Ratio	Lower	Upper
65	100		
67	52.4	41.8	62.8



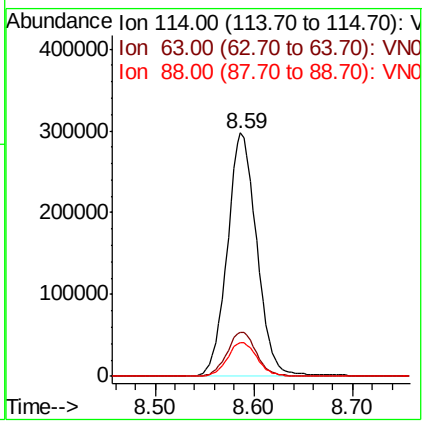


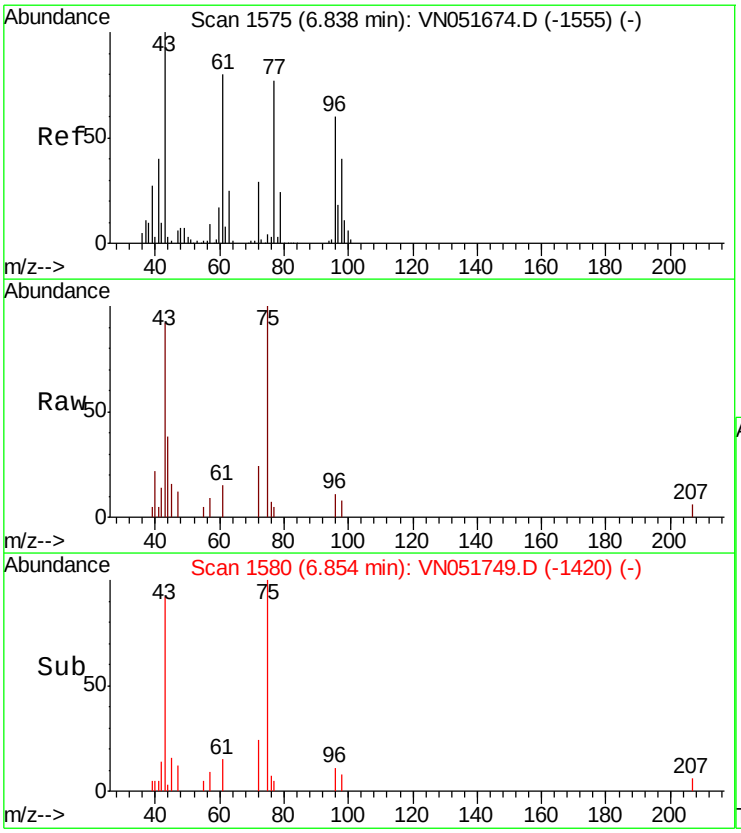
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument : MSVOA_N
ClientSampleId : EP1-WW01

Tgt Ion:114 Resp: 620643

Ion	Ratio	Lower	Upper
114	100		
63	18.1	16.2	24.2
88	14.2	12.2	18.4

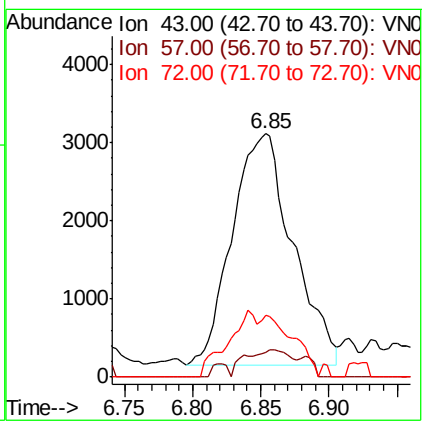


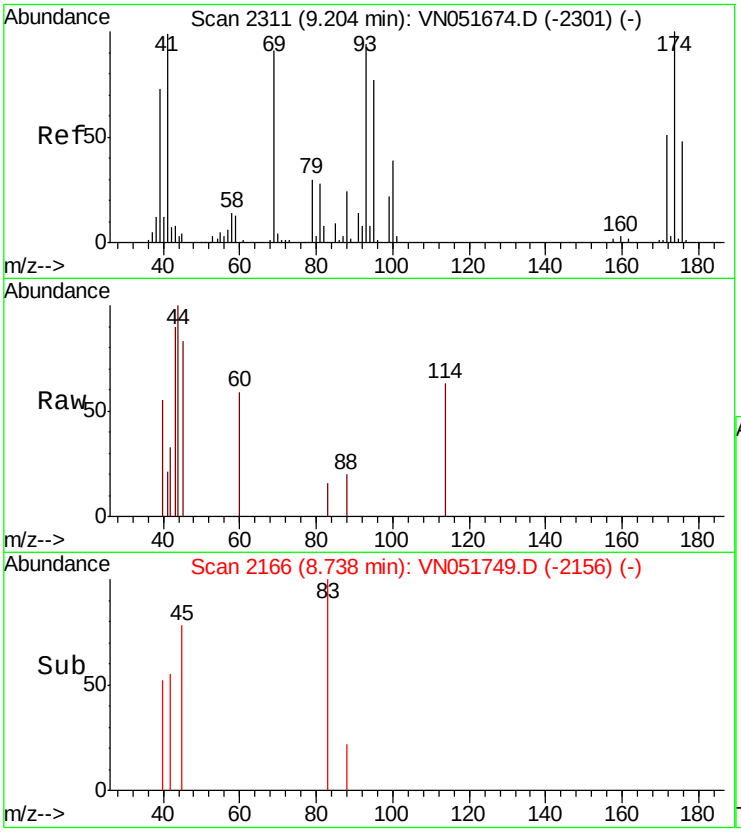


#30
2-Butanone
Concen: 4.529 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion: 43 Resp: 9098

Ion	Ratio	Lower	Upper
43	100		
57	0.0	4.5	6.7#
72	14.8	21.5	32.3#



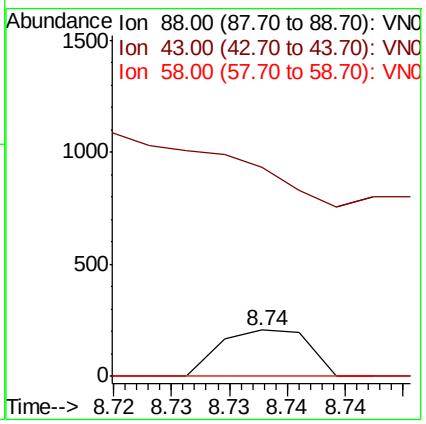


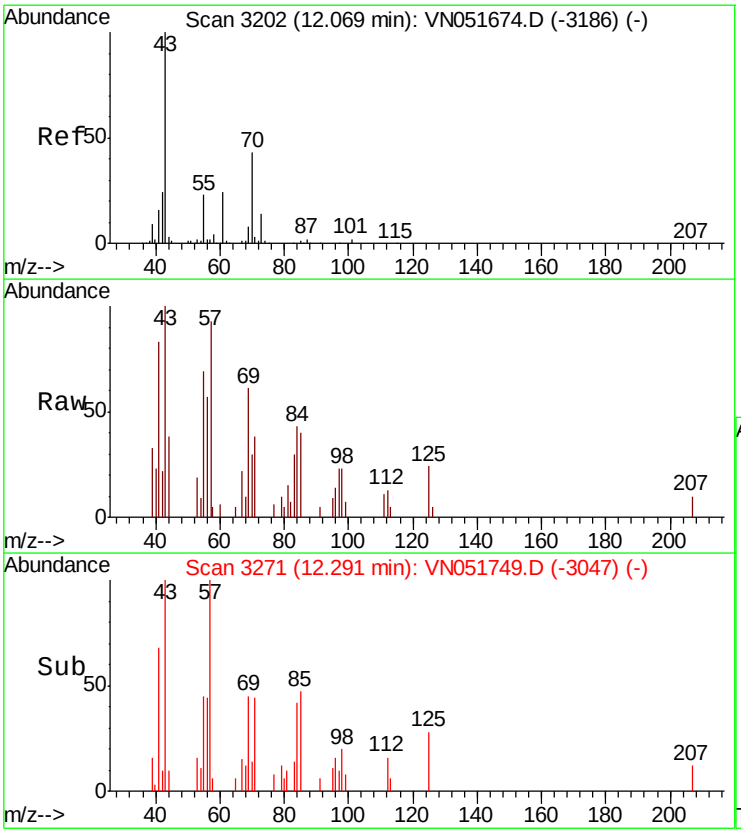
#45
1,4-Dioxane
Concen: 1.845 ug/l
RT: 8.74 min Scan# 2166
Delta R.T. -0.47 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion: 88 Resp: 109

Ion	Ratio	Lower	Upper
88	100		
43	359.6	26.2	39.2#
58	0.0	65.6	98.4#

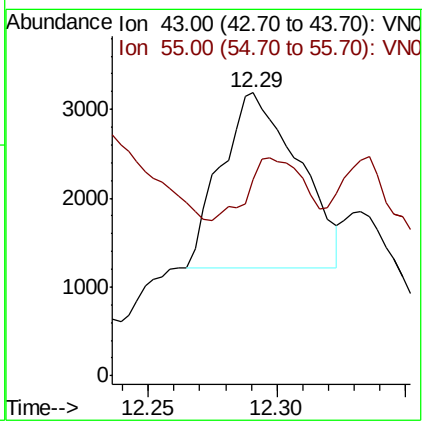


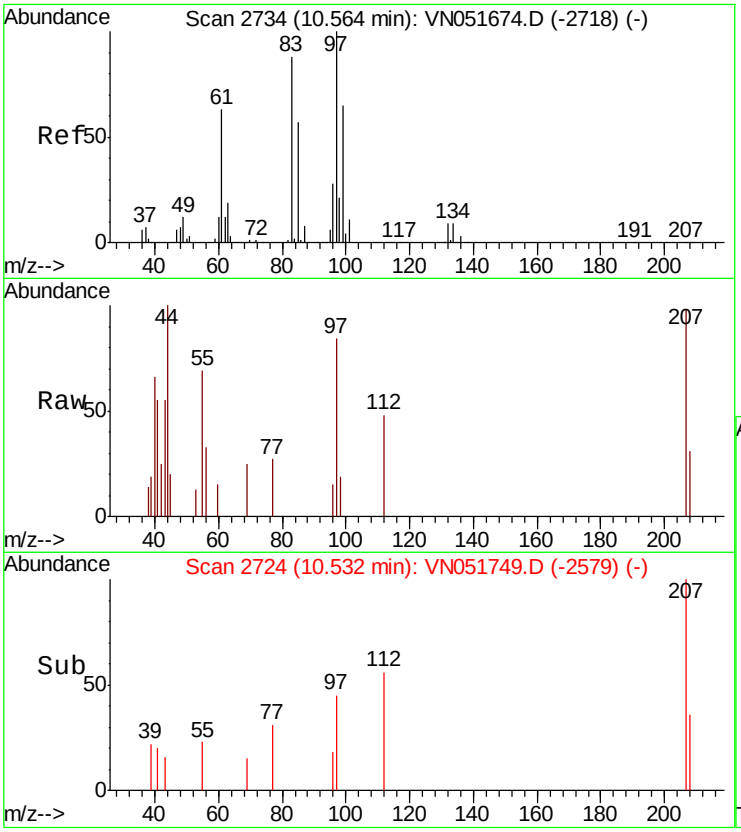


#47
n-amyl Acetate
Concen: 0.522 ug/l
RT: 12.29 min Scan# 3271
Delta R.T. 0.22 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion: 43 Resp: 4145

Ion	Ratio	Lower	Upper
43	100		
55	16.3	12.2	18.4



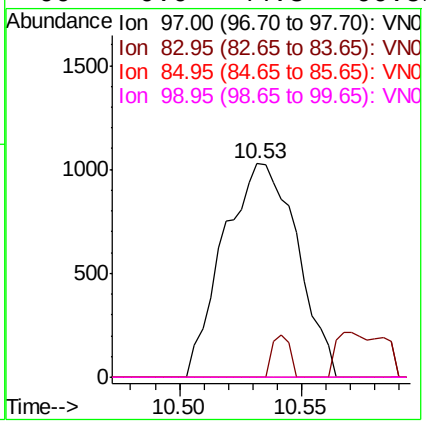


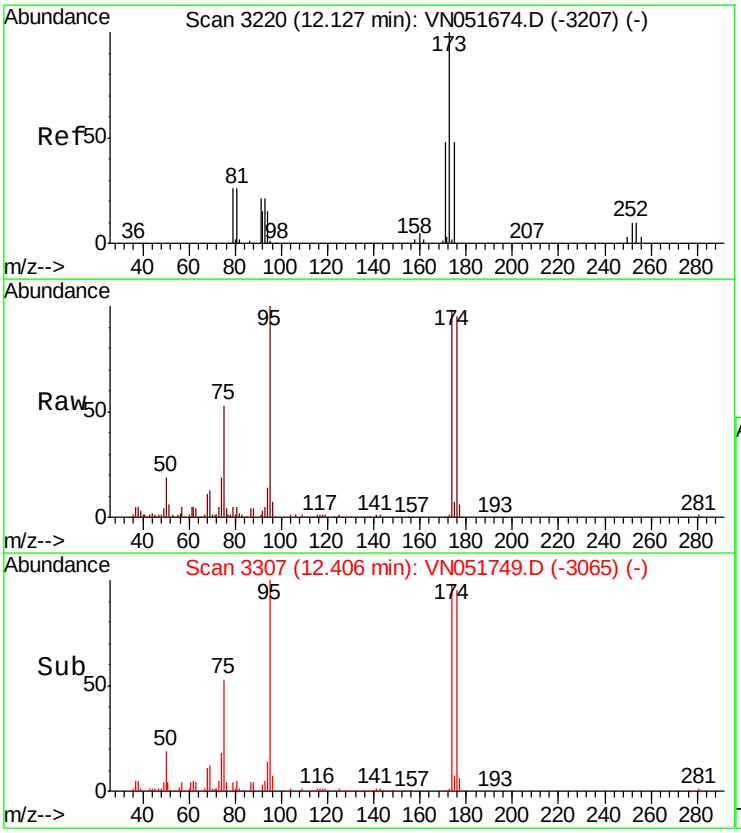
#50
1,1,2-Trichloroethane
Concen: 0.361 ug/l
RT: 10.53 min Scan# 2724
Delta R.T. -0.03 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion: 97 Resp: 2150

Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.2	102.4#
85	0.0	42.5	63.7#
99	0.0	44.3	66.5#

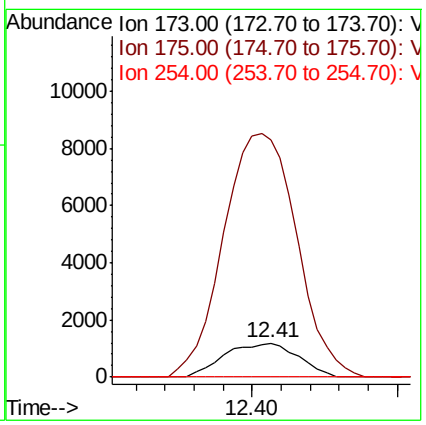


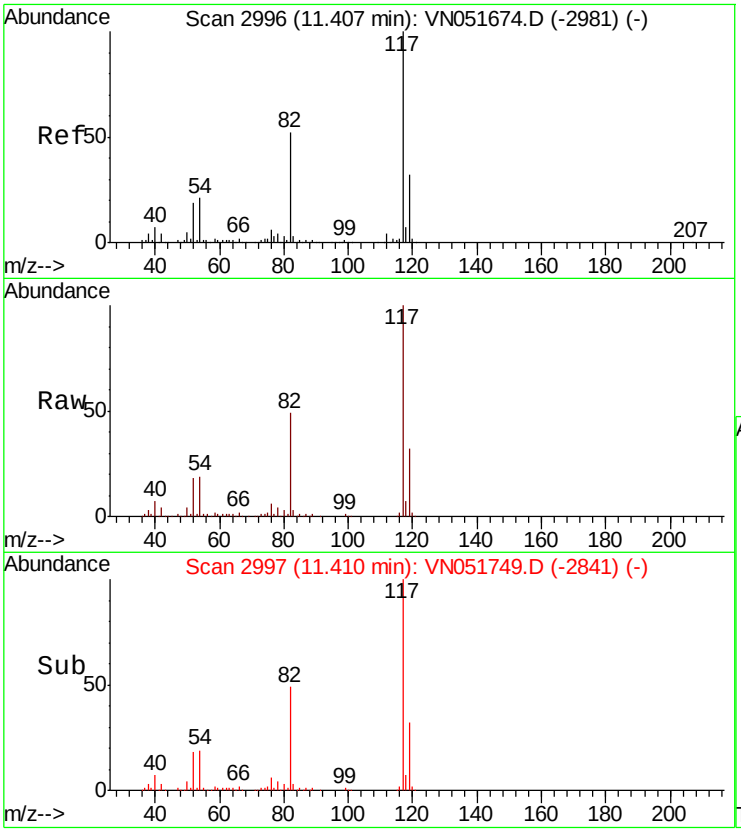


#56
Bromoform
Concen: 0.372 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion:173 Resp: 2086

Ion	Ratio	Lower	Upper
173	100		
175	715.7	35.8	53.8#
254	0.0	8.6	13.0#



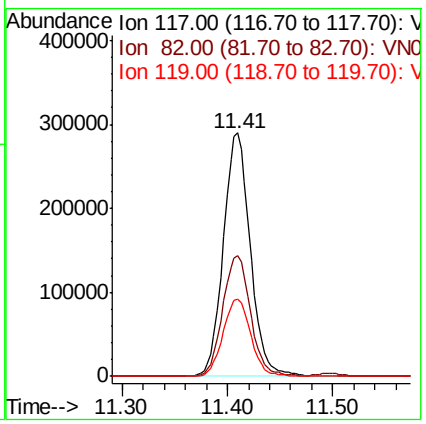


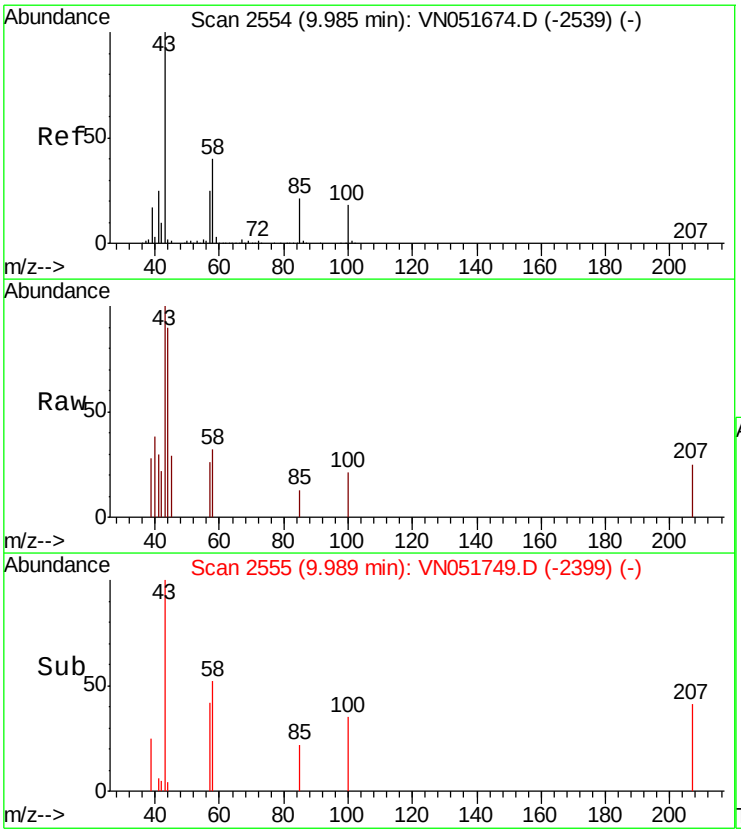
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion:117 Resp: 510203

Ion	Ratio	Lower	Upper
117	100		
82	51.2	44.1	66.1
119	32.8	25.8	38.8

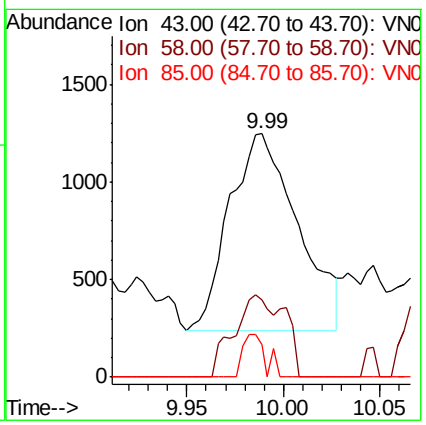


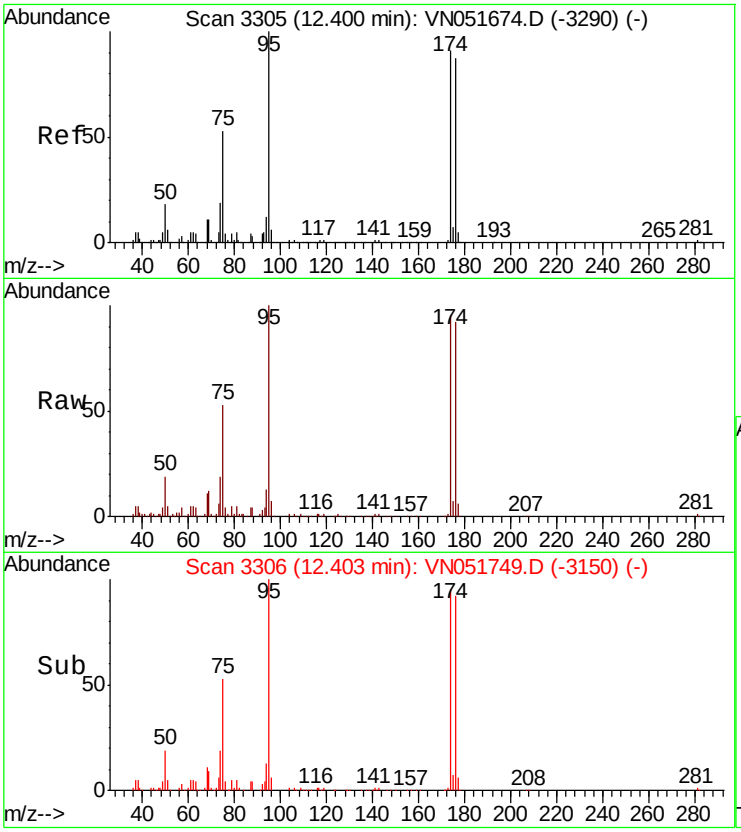


#58
4-Methyl-2-Pentanone
Concen: 0.591 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion: 43 Resp: 2475

Ion	Ratio	Lower	Upper
43	100		
58	10.7	29.3	43.9#
85	5.9	12.6	18.8#



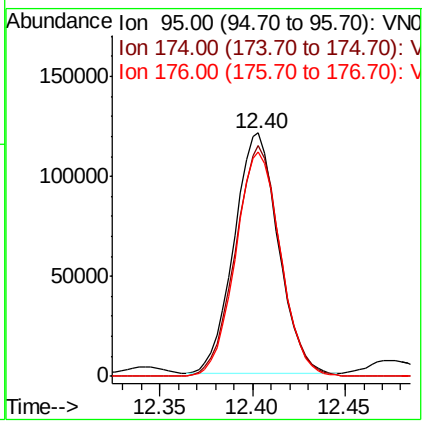


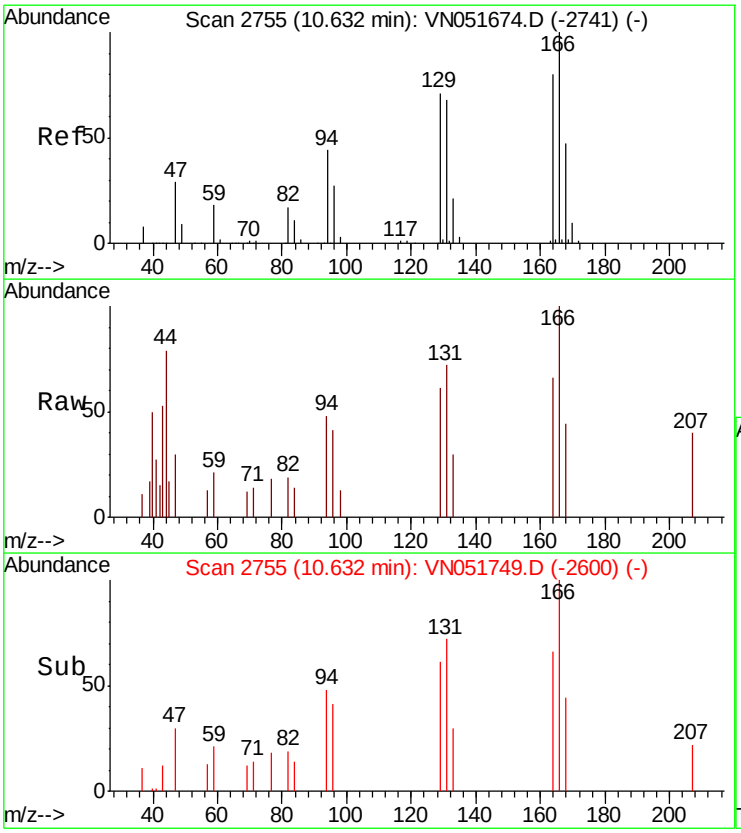
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion: 95 Resp: 200793

Ion	Ratio	Lower	Upper
95	100		
174	97.0	73.5	110.3
176	94.5	70.2	105.2

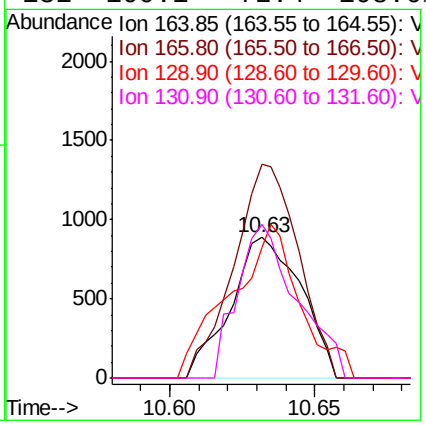


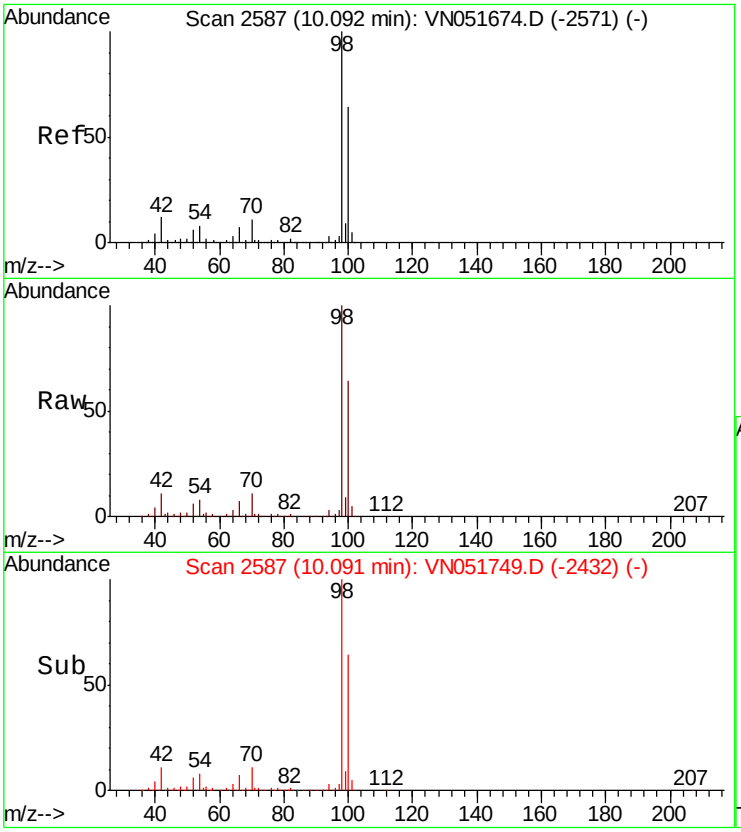


#61
Tetrachloroethene
Concen: 0.249 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion:164 Resp: 1495

Ion	Ratio	Lower	Upper
164	100		
166	152.3	98.7	148.1#
129	75.1	69.6	104.4
131	109.1	72.4	108.6#



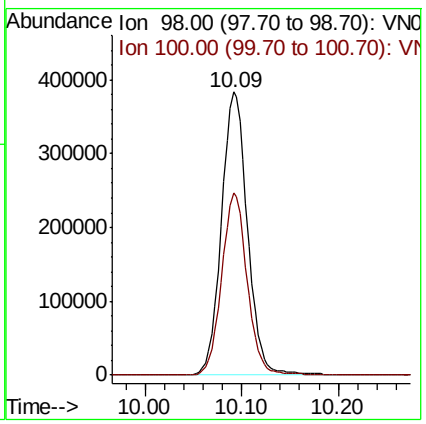


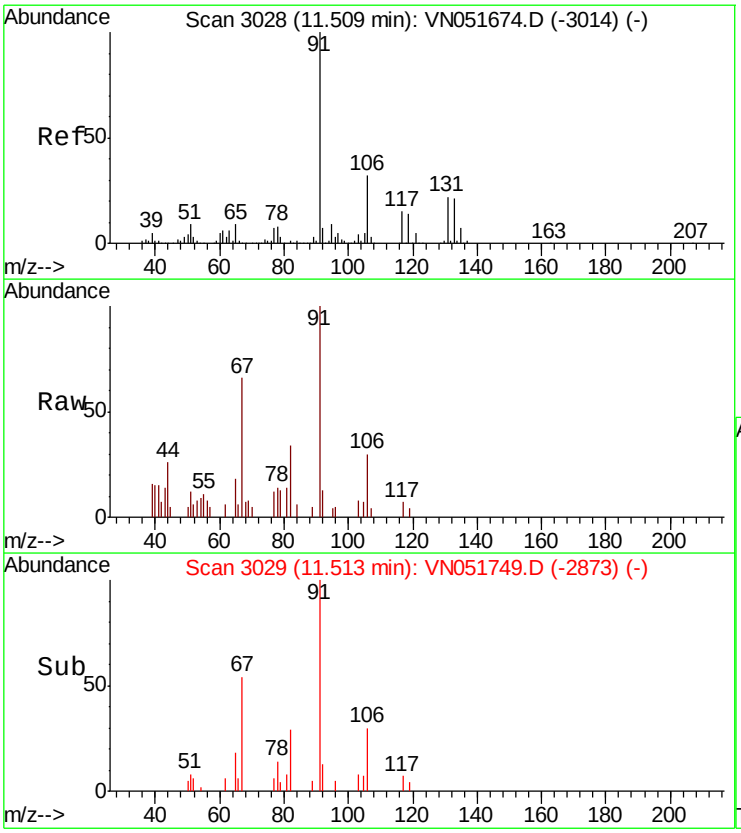
#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion: 98 Resp: 716874

Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.8	76.2

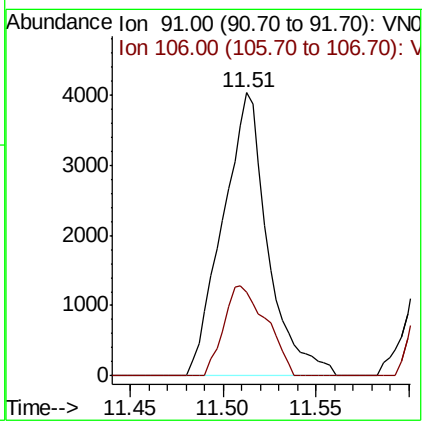


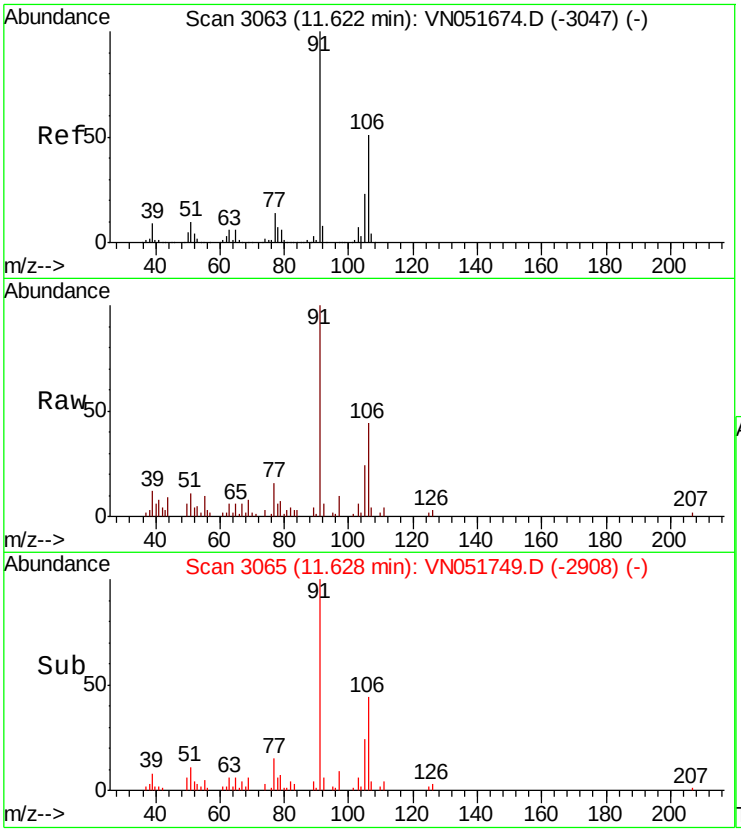


#66
Ethyl Benzene
Concen: 0.234 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion: 91 Resp: 6813

Ion	Ratio	Lower	Upper
91	100		
106	29.8	25.9	38.9



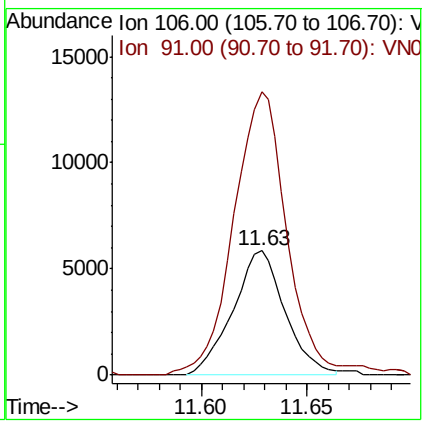


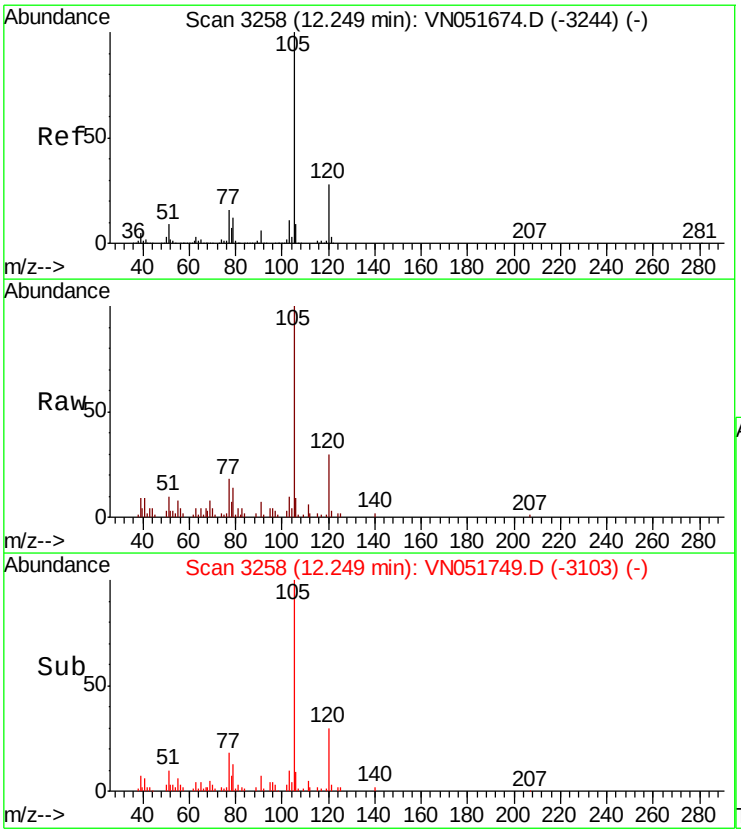
#67
m/p-Xylenes
Concen: 0.868 ug/l
RT: 11.63 min Scan# 3065
Delta R.T. 0.01 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion:106 Resp: 10097

Ion	Ratio	Lower	Upper
106	100		
91	229.5	158.8	238.2

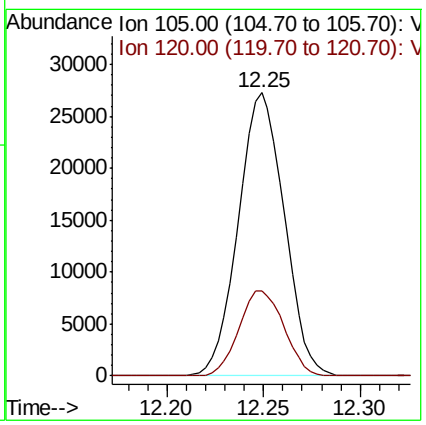


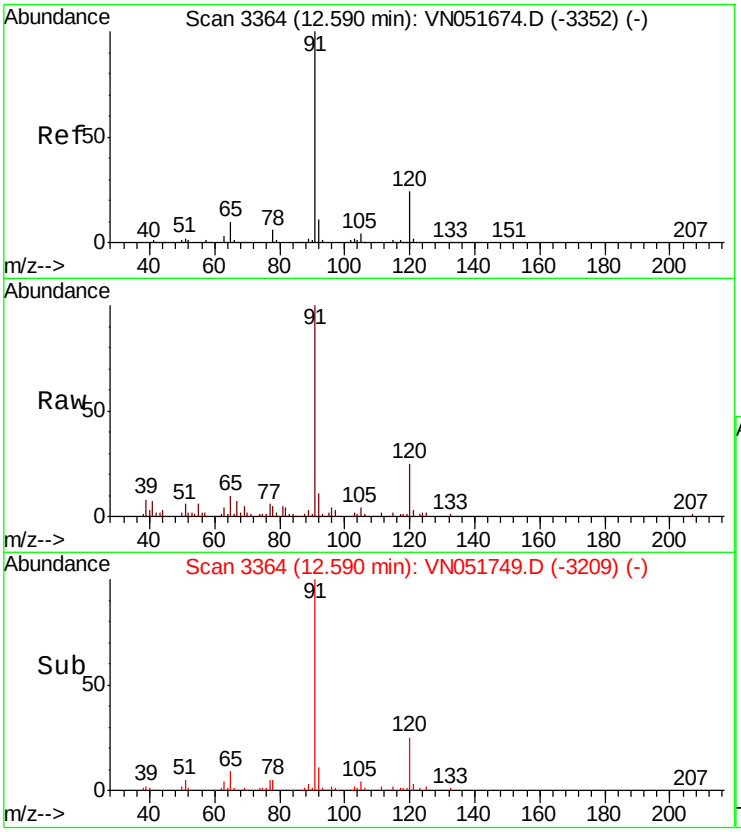


#70
Isopropylbenzene
Concen: 1.464 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion:105 Resp: 45131

Ion	Ratio	Lower	Upper
105	100		
120	29.2	19.0	35.4



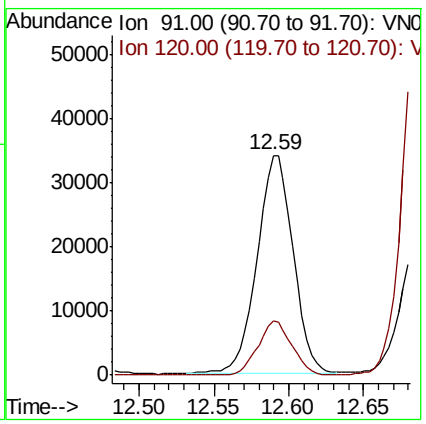


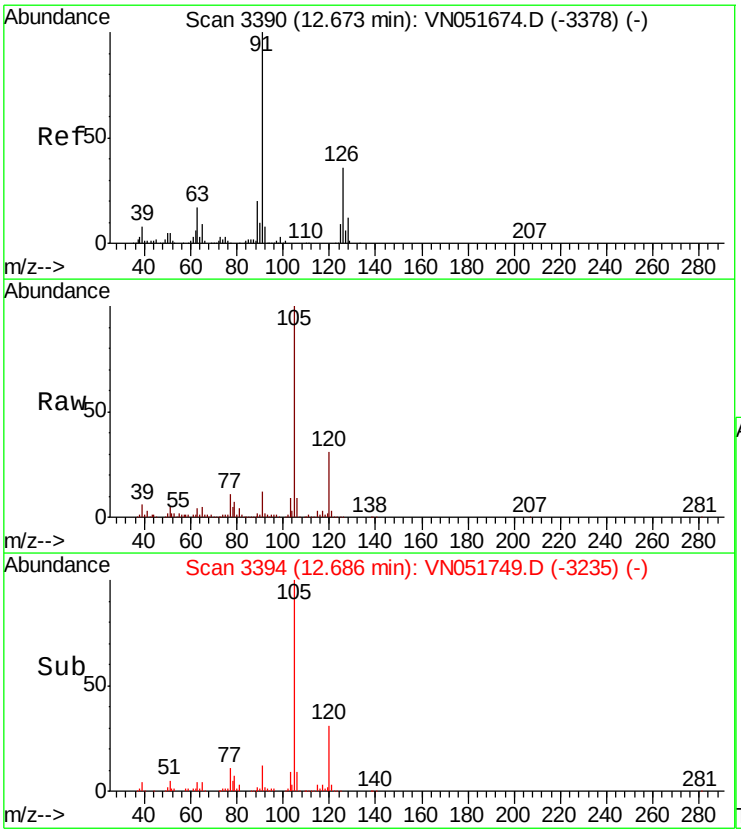
#74
n-propylbenzene
Concen: 1.688 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion: 91 Resp: 57263

Ion	Ratio	Lower	Upper
91	100		
120	23.1	0.0	45.0

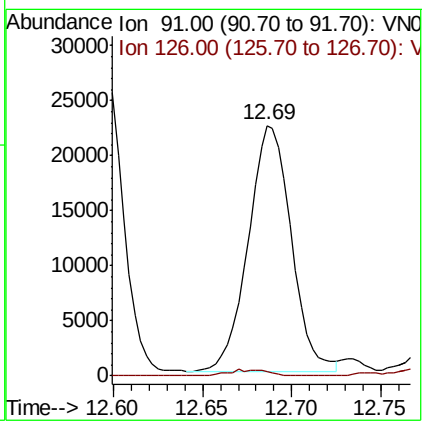


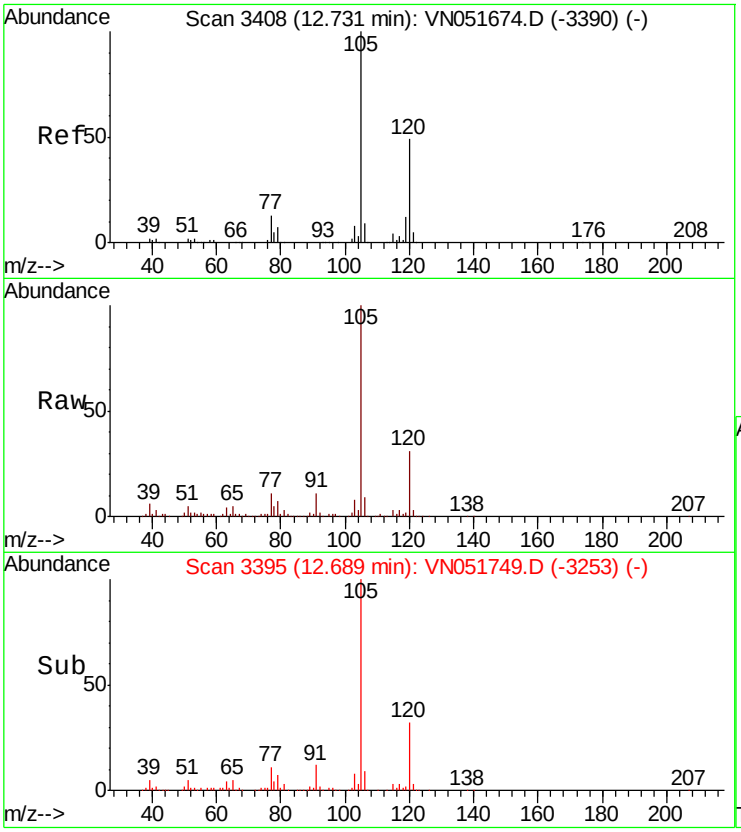


#75
2-Chlorotoluene
Concen: 1.903 ug/l
RT: 12.69 min Scan# 3394
Delta R.T. 0.01 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion: 91 Resp: 37729

Ion	Ratio	Lower	Upper
91	100		
126	1.3	0.0	67.6



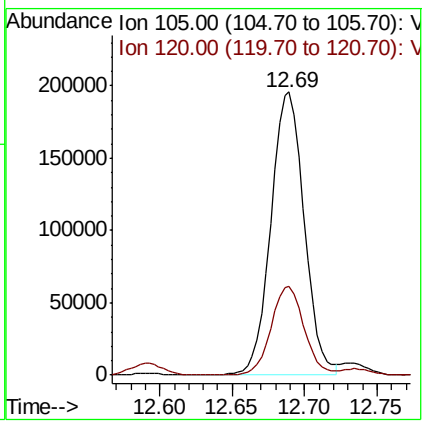


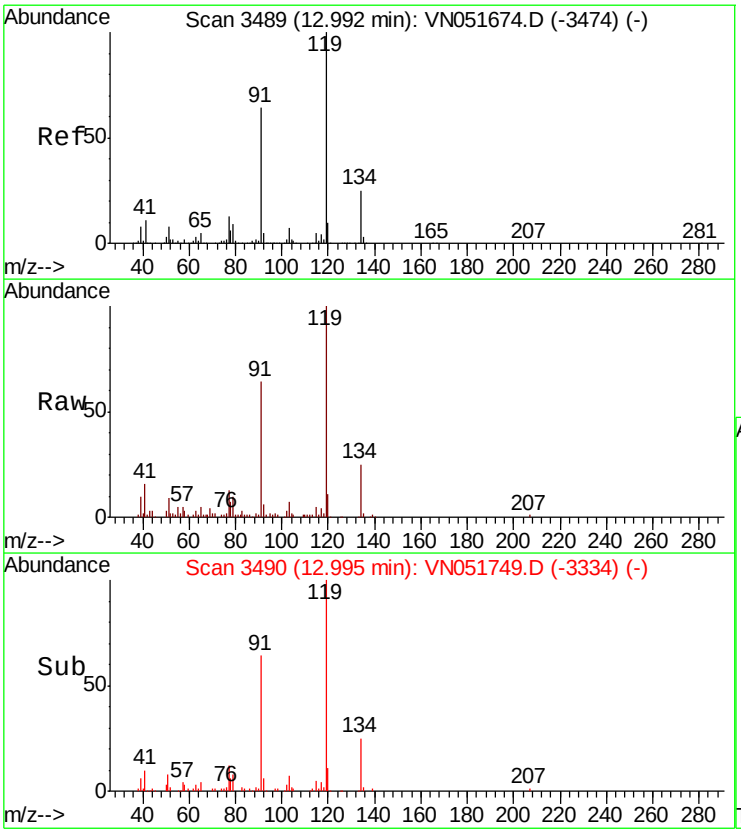
#76
1,3,5-Trimethylbenzene
Concen: 11.953 ug/l
RT: 12.69 min Scan# 3395
Delta R.T. -0.04 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion:105 Resp: 312584

Ion	Ratio	Lower	Upper
105	100		
120	30.8	0.0	98.2

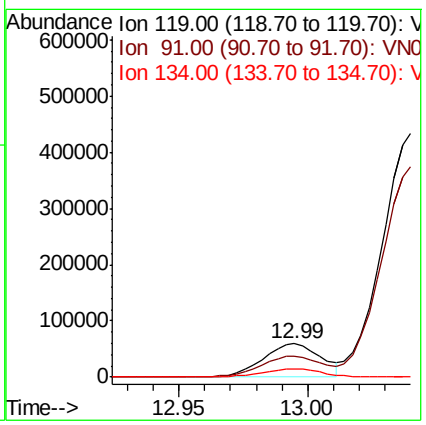


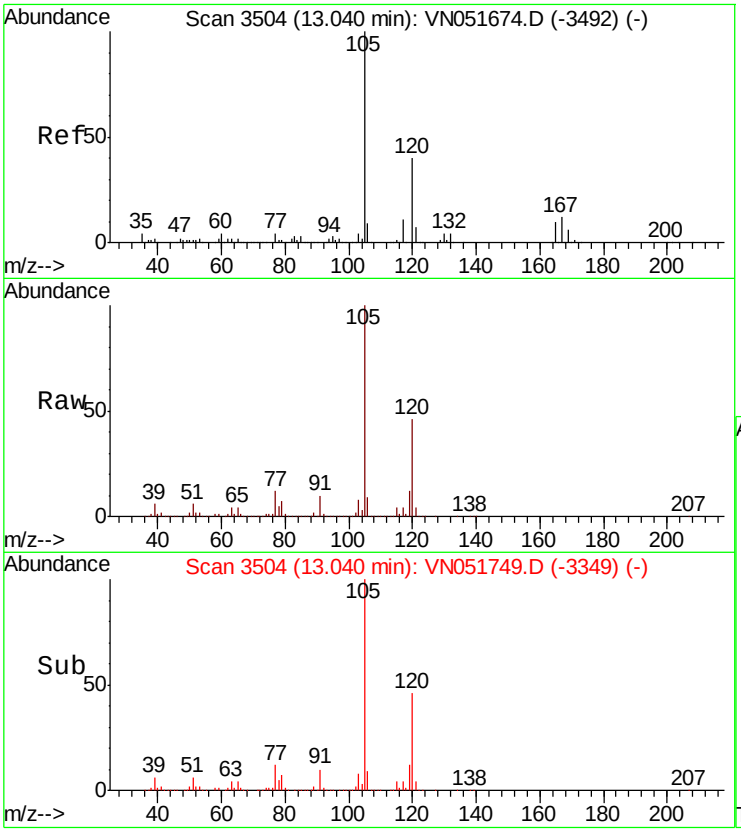


#79
tert-butylbenzene
Concen: 3.990 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion:119 Resp: 93837

Ion	Ratio	Lower	Upper
119	100		
91	67.8	0.0	131.6
134	24.4	0.0	46.2



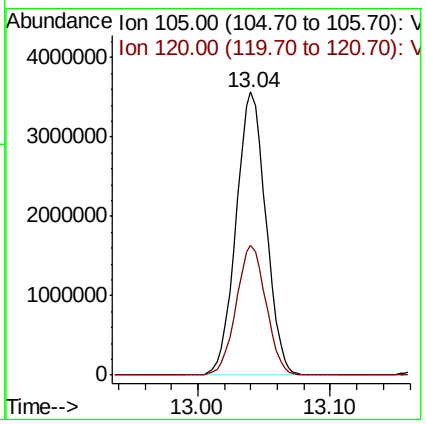


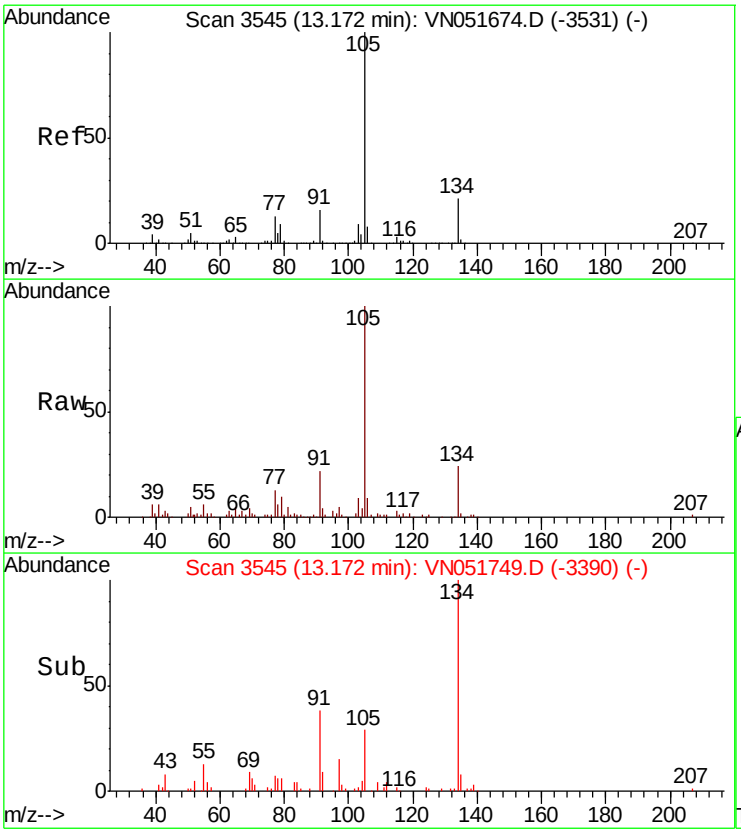
#80
1,2,4-Trimethylbenzene
Concen: 213.615 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion:105 Resp: 5556385

Ion	Ratio	Lower	Upper
105	100		
120	46.0	0.0	89.6

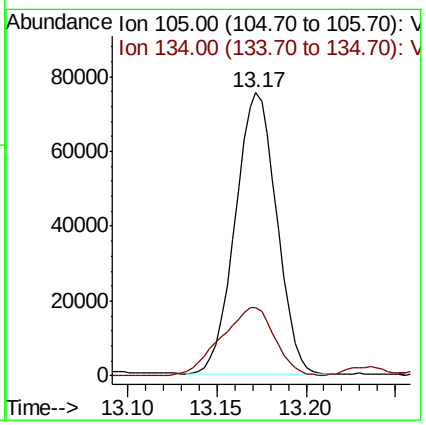


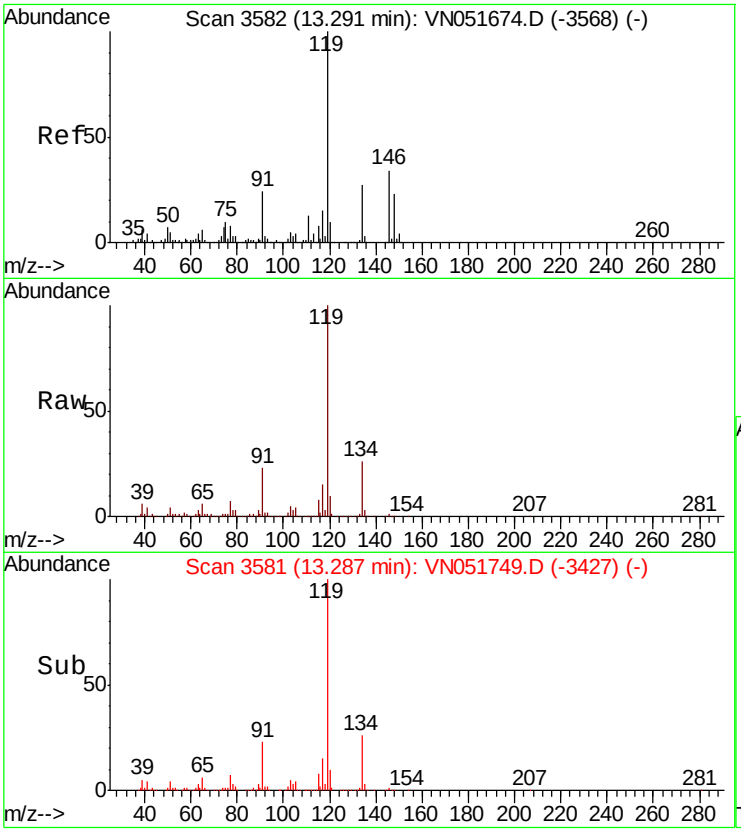


#81
sec-Butylbenzene
Concen: 3.892 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion:105 Resp: 122441

Ion	Ratio	Lower	Upper
105	100		
134	31.4	0.0	39.4



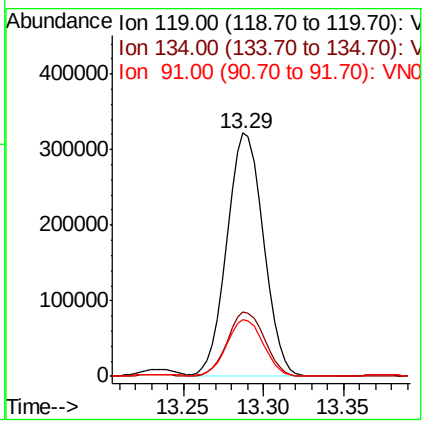


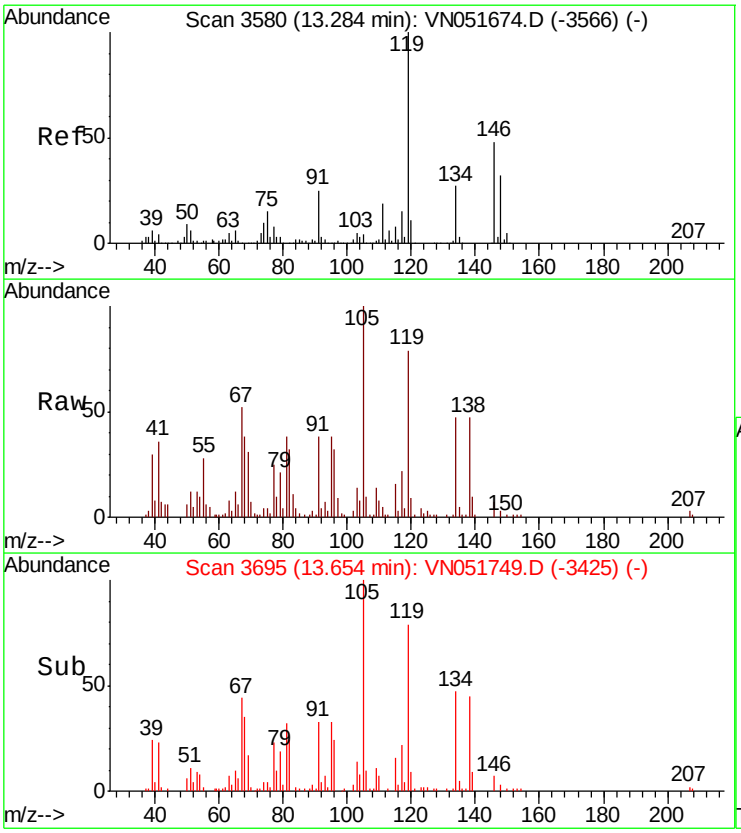
#82
p-Isopropyltoluene
Concen: 18.124 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion:119 Resp: 502361

Ion	Ratio	Lower	Upper
119	100		
134	26.9	0.0	53.6
91	23.4	0.0	52.0

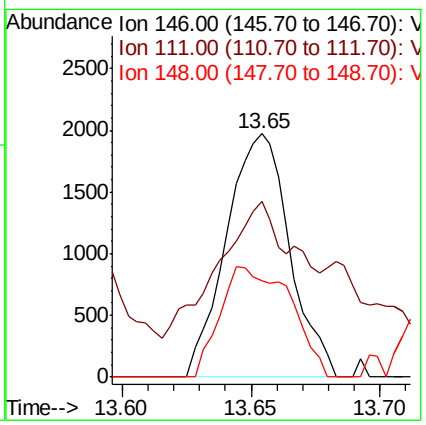


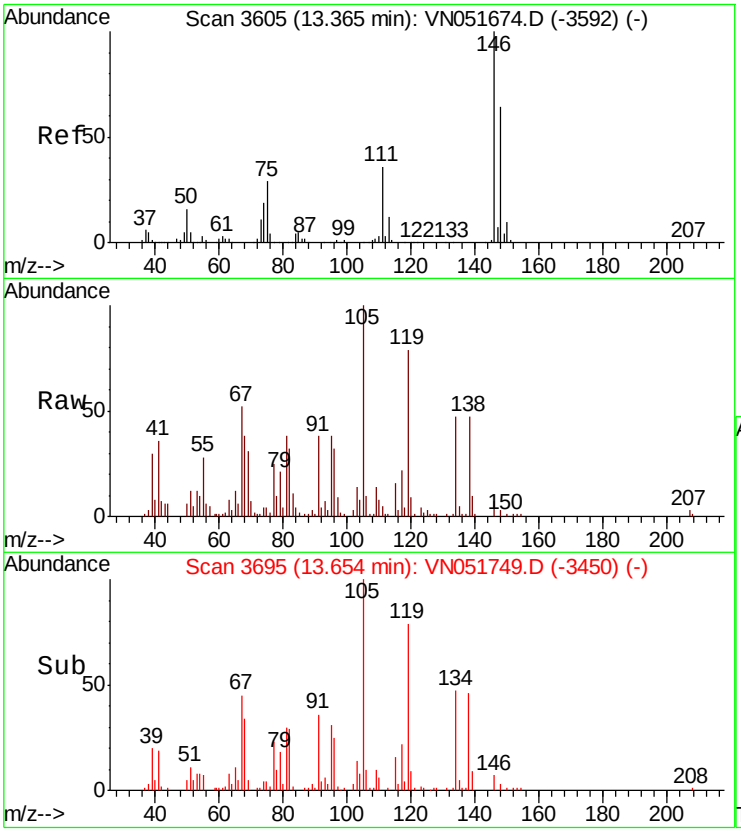


#83
1,3-Dichlorobenzene
Concen: 0.254 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.37 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion:146 Resp: 3366

Ion	Ratio	Lower	Upper
146	100		
111	31.6	18.1	54.3
148	33.9	31.3	93.8



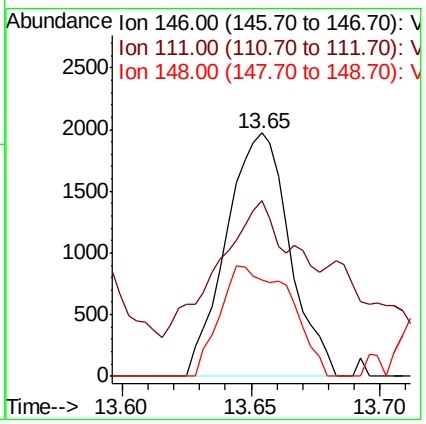


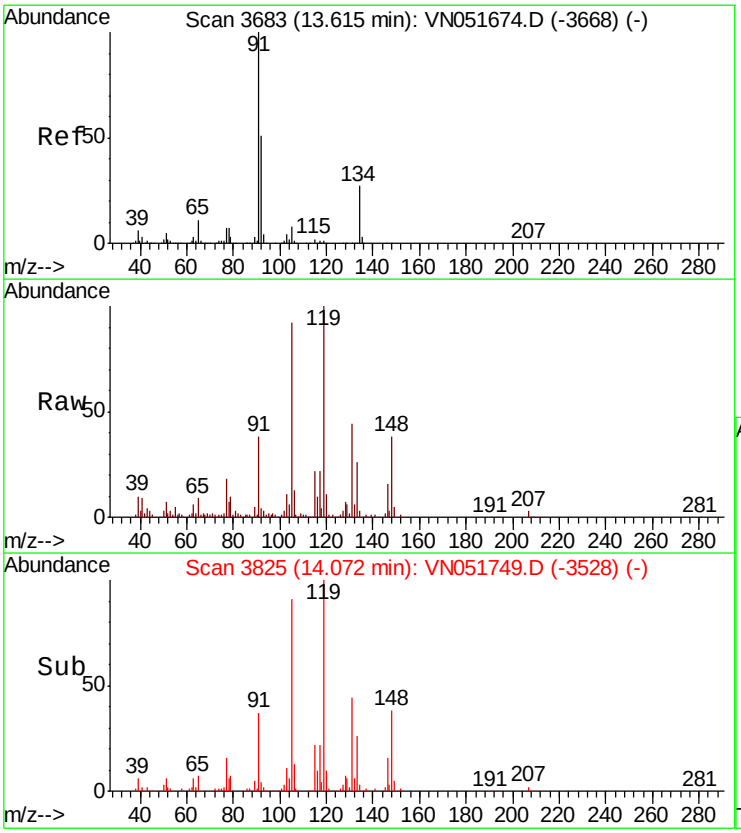
#84
1,4-Dichlorobenzene
Concen: 0.266 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.29 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion:146 Resp: 3366

Ion	Ratio	Lower	Upper
146	100		
111	31.6	17.4	52.2
148	33.9	32.8	98.3

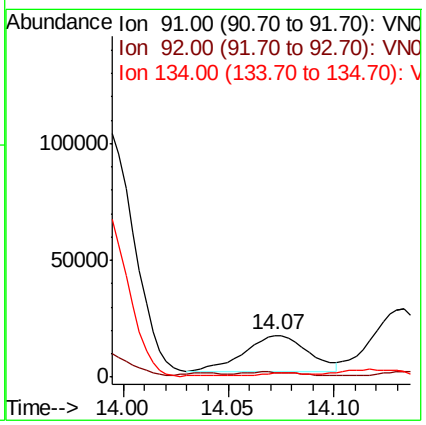


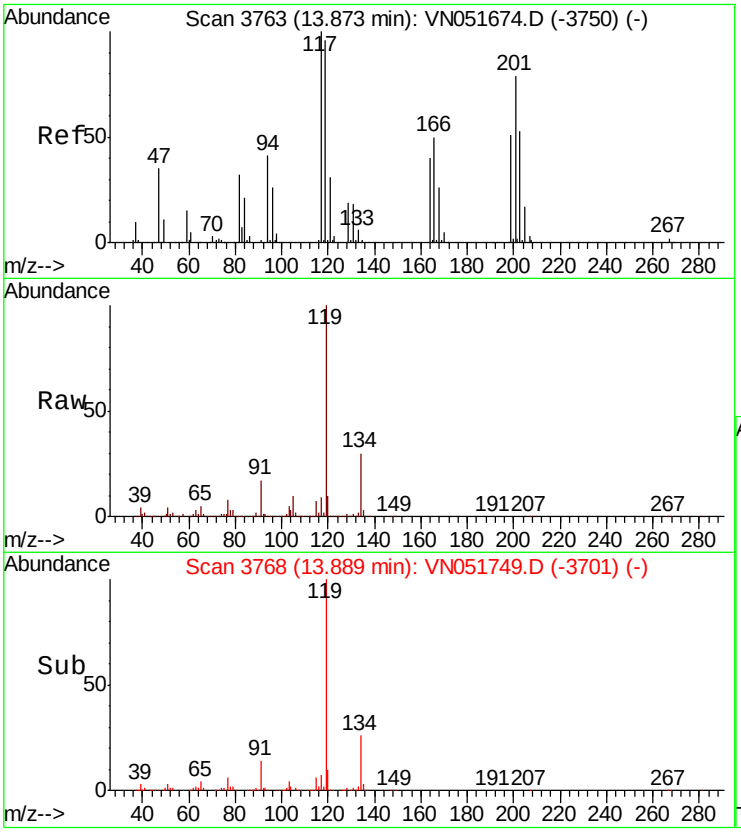


#85
n-Butylbenzene
Concen: 1.454 ug/l
RT: 14.07 min Scan# 3825
Delta R.T. 0.46 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion: 91 Resp: 31847

Ion	Ratio	Lower	Upper
91	100		
92	8.3	0.0	97.4
134	4.6	0.0	49.6



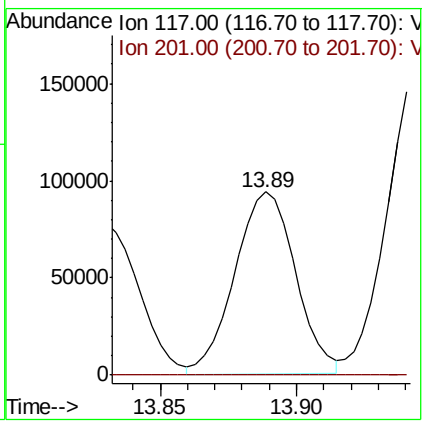


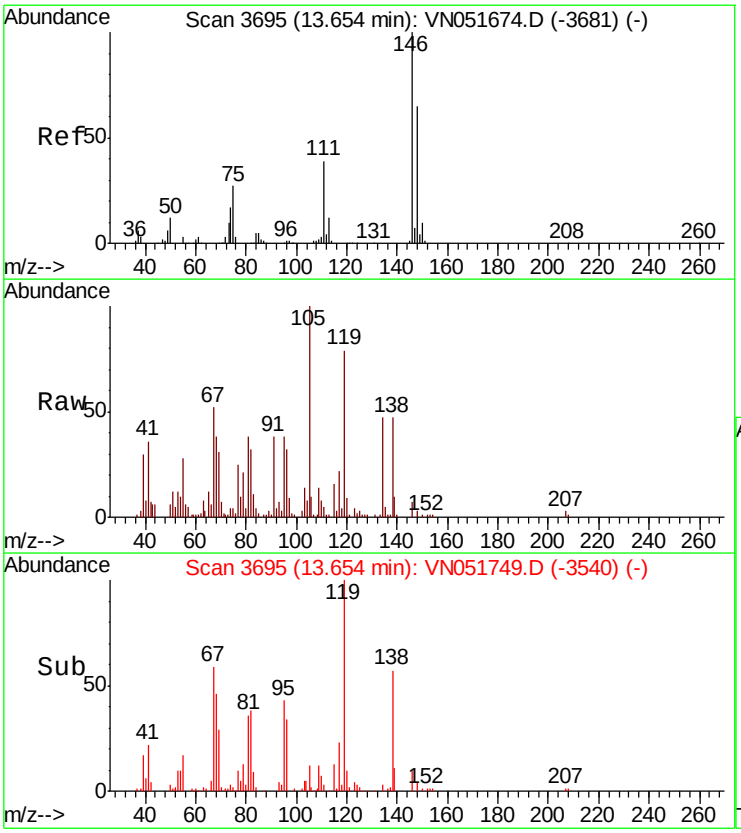
#86
Hexachloroethane
Concen: 26.415 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.02 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion:117 Resp: 144864

Ion	Ratio	Lower	Upper
117	100		
201	0.0	47.8	143.3#

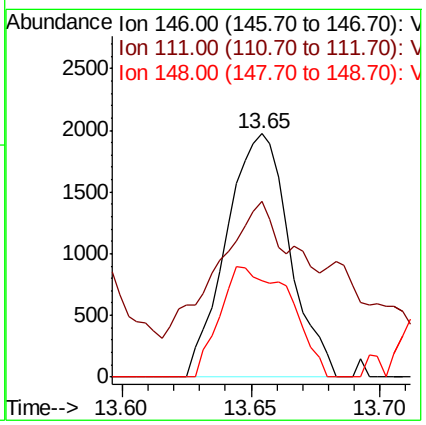


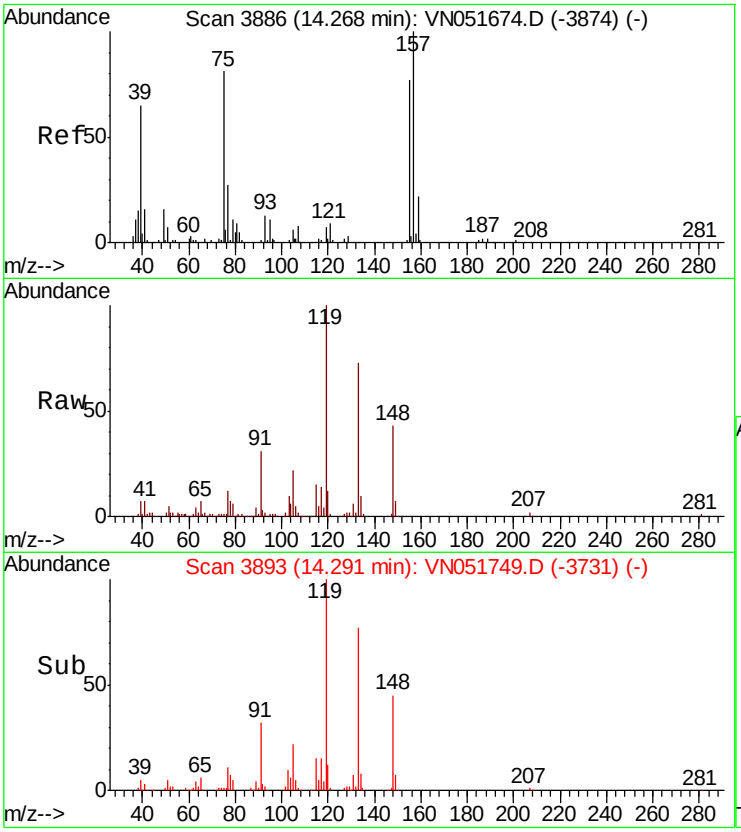


#87
1,2-Dichlorobenzene
Concen: 0.259 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion:146 Resp: 3366

Ion	Ratio	Lower	Upper
146	100		
111	31.6	20.8	62.2
148	33.9	33.2	99.6



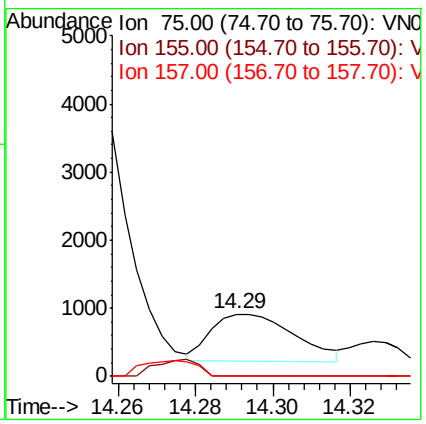


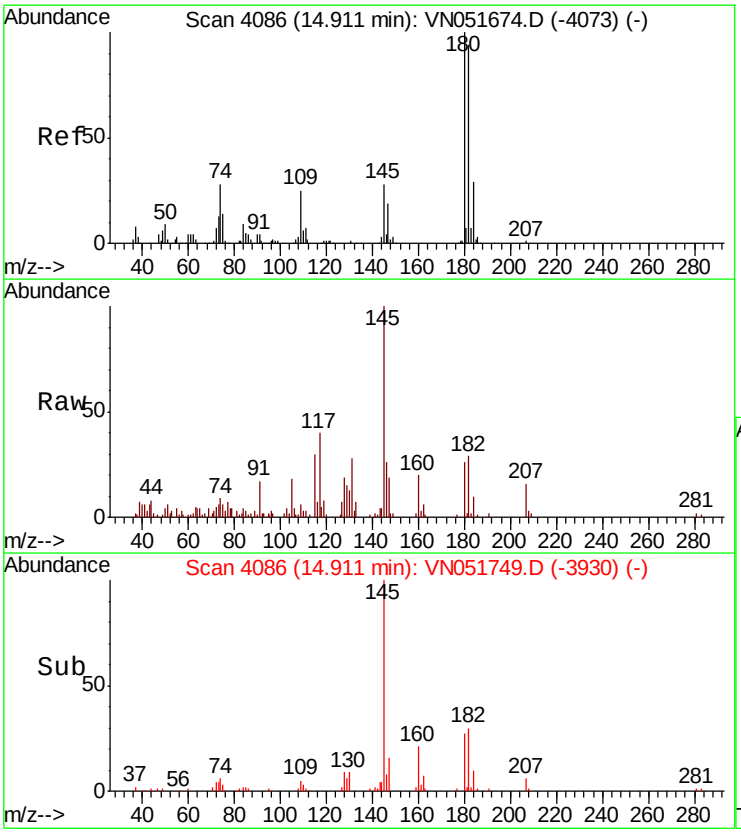
#88
1,2-Dibromo-3-Chloropropane
Concen: 0.974 ug/l
RT: 14.29 min Scan# 3893
Delta R.T. 0.02 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion: 75 Resp: 1032

Ion	Ratio	Lower	Upper
75	100		
155	18.4	57.0	85.6#
157	21.3	87.4	131.0#

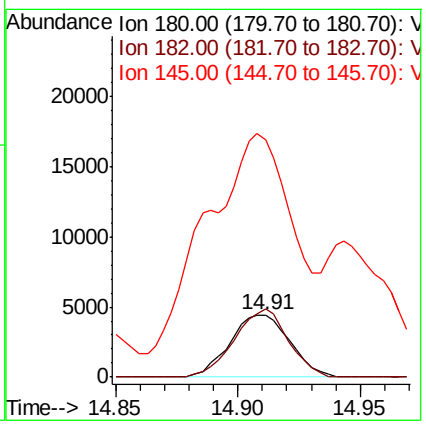


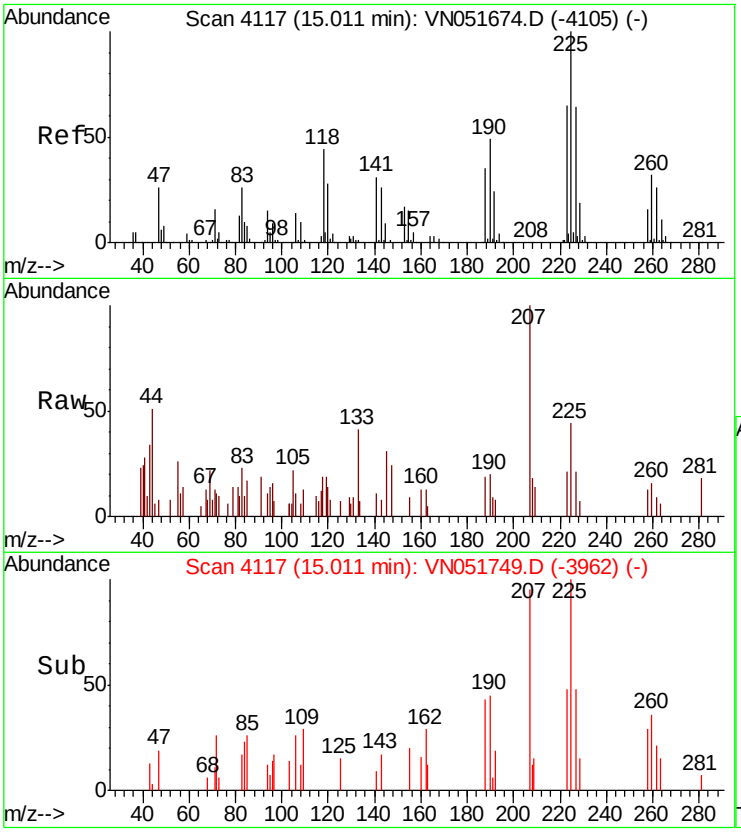


#89
1,2,4-Trichlorobenzene
Concen: 7.790 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion:180 Resp: 7584

Ion	Ratio	Lower	Upper
180	100		
182	98.0	77.7	116.5
145	352.6	23.4	35.2#



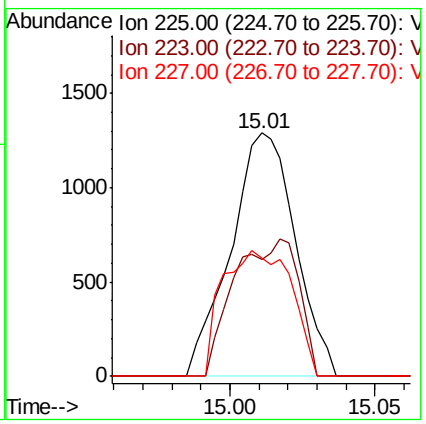


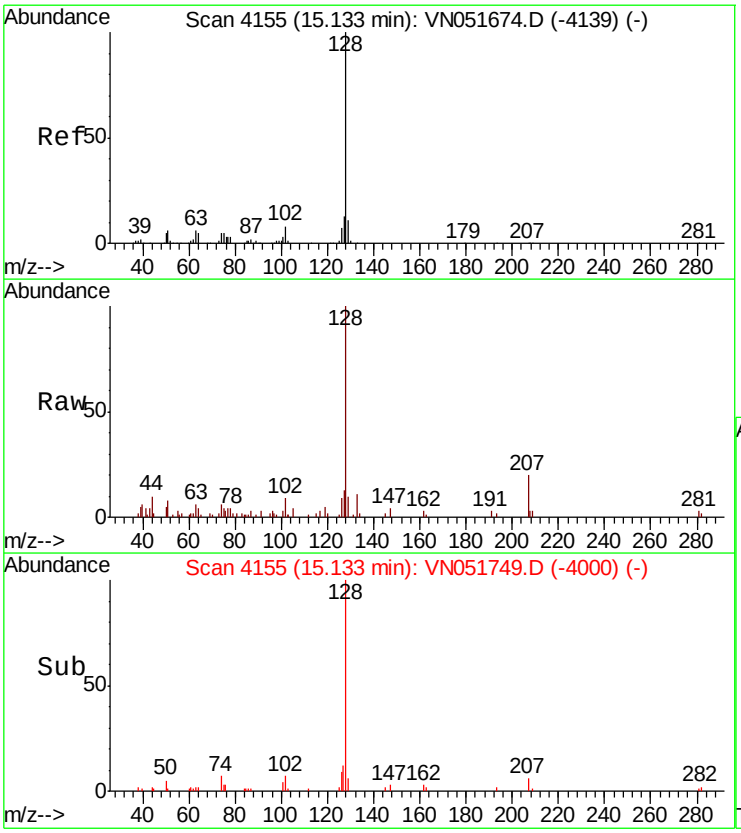
#90
Hexachlorobutadiene
Concen: 0.506 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion:225 Resp: 1999

Ion	Ratio	Lower	Upper
225	100		
223	28.8	0.0	117.0
227	38.6	0.0	127.0

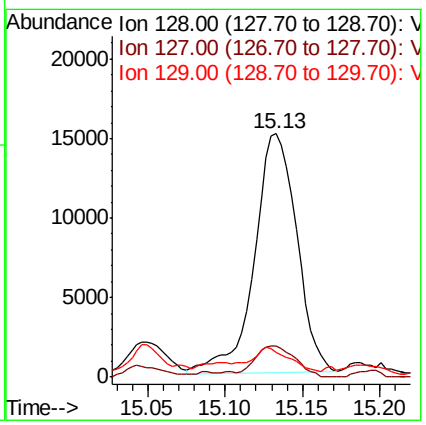


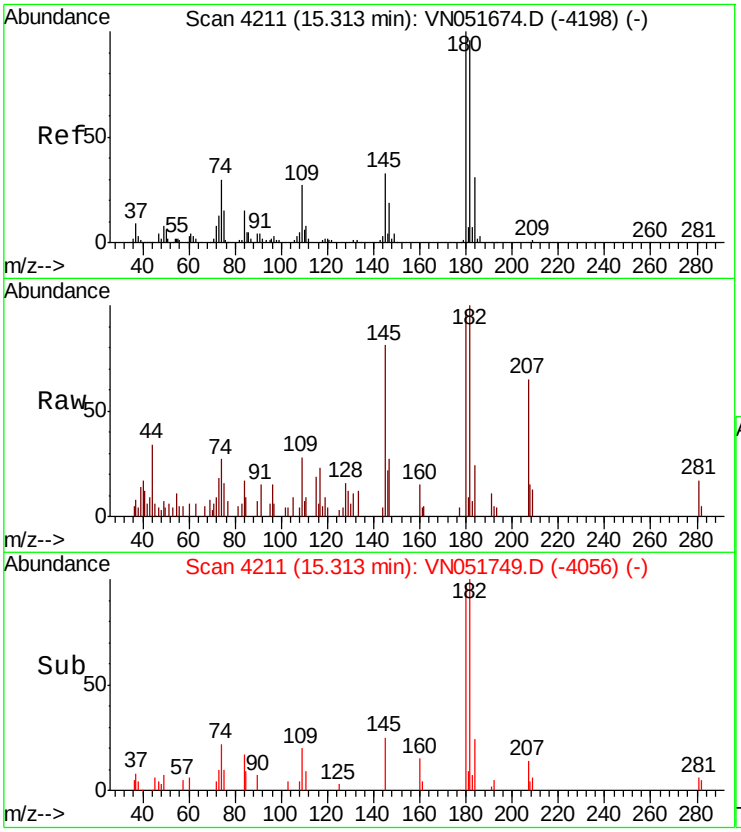


#91
Naphthalene
Concen: 2.342 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Tgt Ion:128 Resp: 28729

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	7.7	8.4	12.6#





#92
1,2,3-Trichlorobenzene
Concen: 1.418 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051749.D
Acq: 9 Oct 2018 14:07

Instrument :
MSVOA_N
ClientSampleId :
EP1-WW01

Tgt Ion:180 Resp: 7947

Ion	Ratio	Lower	Upper
180	100		
182	99.9	0.0	198.0
145	156.3	0.0	36.8#