Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081318\
Data File : VV007002.D
Acq On : 13 Aug 2018 13:07
Operator : SY/MD
Sample : J4451-23
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A4ZL3

Quant Time: Aug 14 16:45:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 14 05:35:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	229237	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	217026	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	96177	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	58956	3.98	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 79.60%			
7) Chloroethane-d5	1.58	69	54325	4.33	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 86.60%			
11) 1,1-Dichloroethene-d2	2.13	63	95249	3.43	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 68.60%			
20) 2-Butanone-d5	3.97	46	229282	53.88	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 107.76%			
24) Chloroform-d	4.40	84	141627	4.72	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 94.40%			
26) 1,2-Dichloroethane-d4	5.09	65	74004	4.88	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 97.60%			
32) Benzene-d6	5.10	84	269852	4.84	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.80%			
36) 1,2-Dichloropropane-d6	6.12	67	93694	4.92	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 98.40%			
41) Toluene-d8	7.36	98	223796	4.72	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 94.40%			
43) trans-1,3-Dichloropropene-	7.67	79	31811	4.80	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 96.00%			
46) 2-Hexanone-d5	8.15	63	123820	45.66	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 91.32%			
57) 1,1,2,2-Tetrachloroethane-	10.27	84	71007	4.78	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 95.60%			
64) 1,2-Dichlorobenzene-d4	11.68	152	78615	4.70	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 94.00%			
Target Compounds						Qvalue
6) Bromomethane	1.54	94	10865	2.25	ug/L	92
12) 1,1-Dichloroethene	2.14	96	29672	1.80	ug/L	88
14) Carbon disulfide	2.32	76	346758	6.38	ug/L	100
15) Methyl Acetate	2.47	43	231741	37.58	ug/L	95
16) Methylene chloride	2.54	84	92574	4.66	ug/L	98
17) Methyl tert-butyl Ether	2.82	73	416802	10.56	ug/L	98
21) 2-Butanone	4.06	43	175103	36.81	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	119816	5.99	ug/L	95
27) 1,2-Dichloroethane	5.19	62	109168	5.03	ug/L	96
30) Cyclohexane	4.72	56	328555	10.91	ug/L	99
33) Benzene	5.15	78	391378	5.21	ug/L	100
34) Trichloroethene	5.96	95	65253	3.62	ug/L	96
35) Methylcyclohexane	6.18	83	643276	22.23	ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	304014	27.35	ug/L	99
42) Toluene	7.44	91	1262716	17.48	ug/L	98
47) Tetrachloroethene	8.02	164	70489	4.82	ug/L	98
48) 2-Hexanone	8.20	43	194090	24.75	ug/L	98

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081318\
Data File : VV007002.D
Acq On : 13 Aug 2018 13:07
Operator : SY/MD
Sample : J4451-23
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A4ZL3

Quant Time: Aug 14 16:45:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 14 05:35:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-Dibromoethane	8.40	107	22932	2.03	ug/L	#	95
52) Ethylbenzene	9.06	91	744623	10.32	ug/L		100
53) m,p-xylene	9.19	106	242991	9.04	ug/L		99
62) 1,3-Dichlorobenzene	11.23	146	195220	6.27	ug/L		99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081318\
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ClientSampleId :
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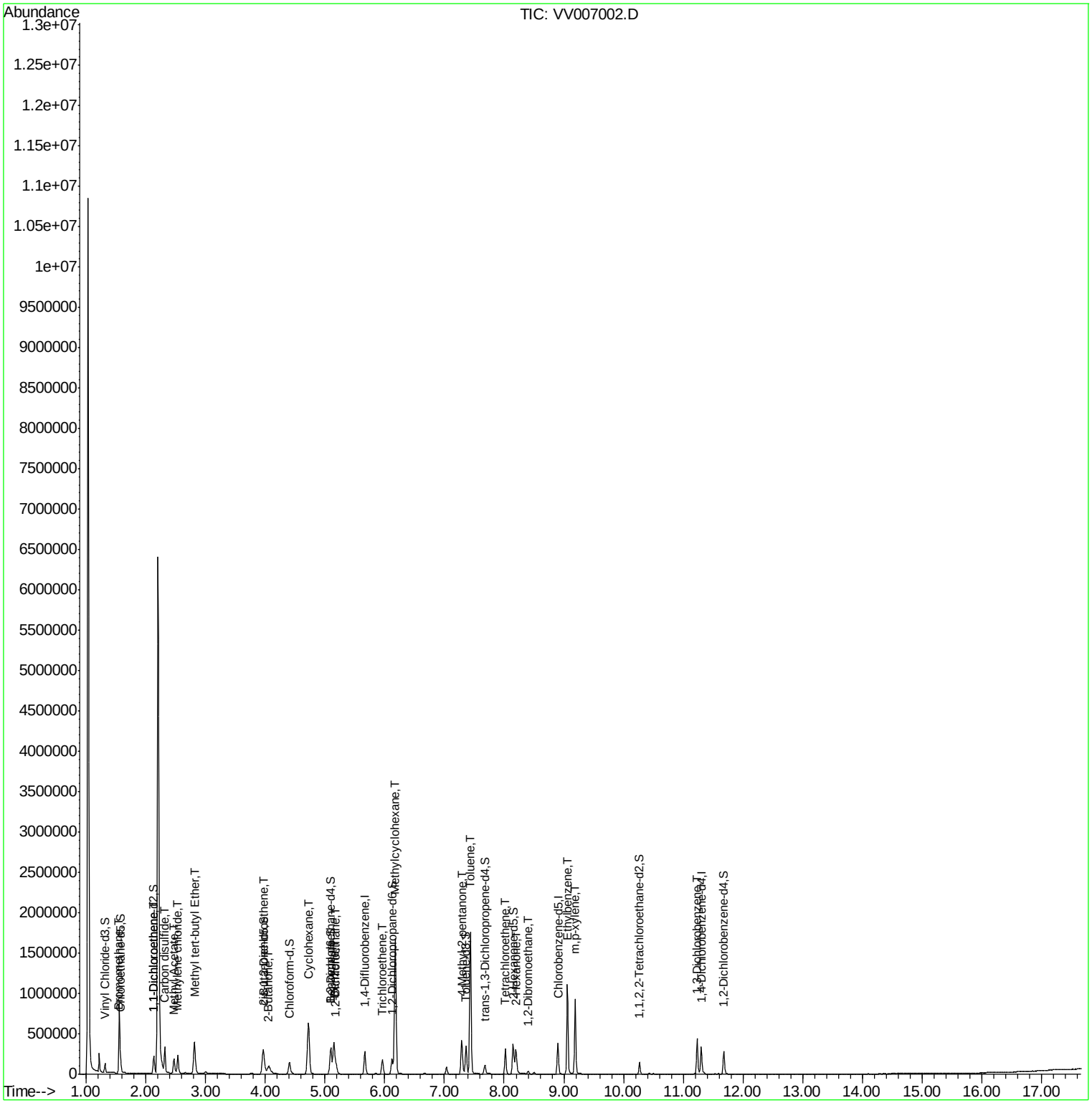
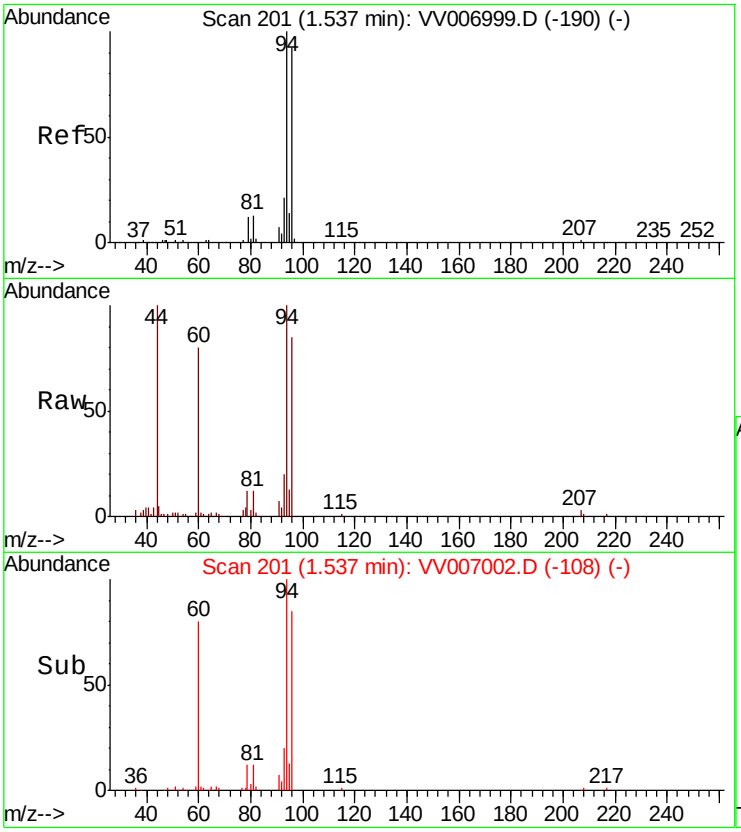
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 14 05:35:33 2018
Response via : Initial Calibration



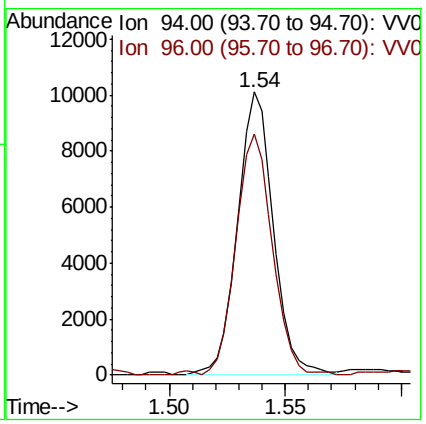


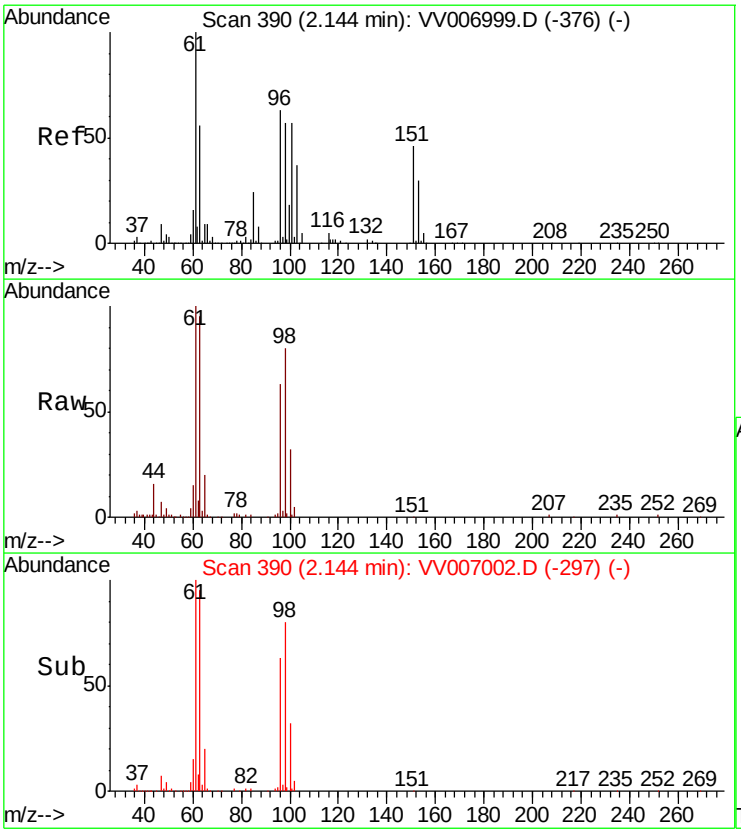
#6
Bromomethane
Concen: 2.25 ug/L
RT: 1.54 min Scan# 201
Delta R.T. -0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Instrument :
MSVOA_V
ClientSampleId :
A4ZL3

Tgt Ion: 94 Resp: 10865

Ion	Ratio	Lower	Upper
94	100		
96	85.2	65.0	120.6

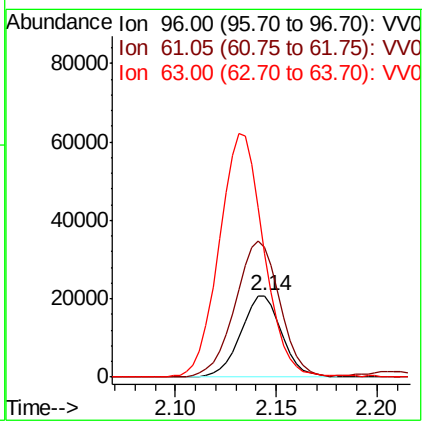


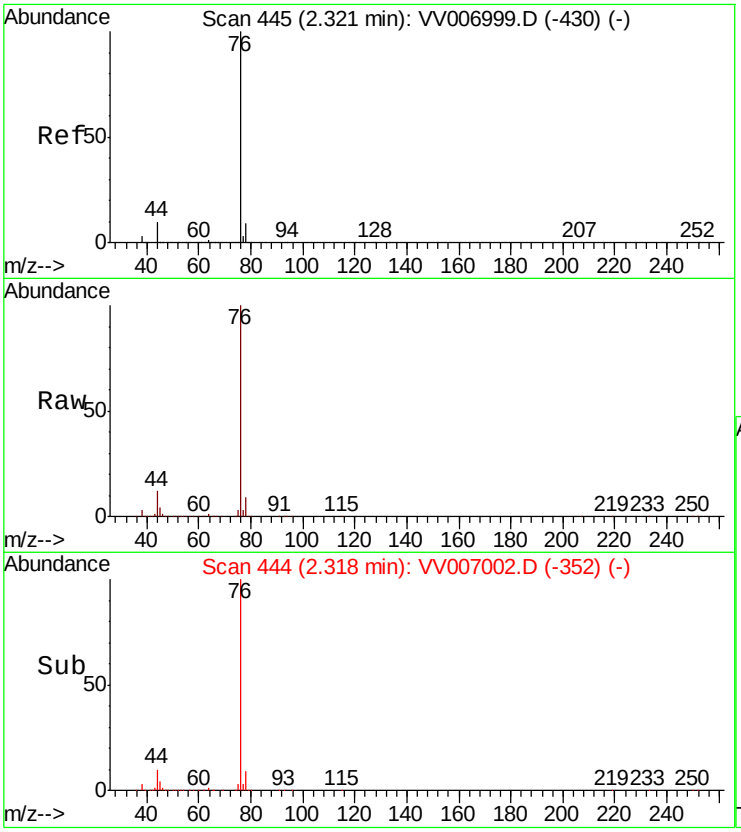


#12
1,1-Dichloroethene
Concen: 1.80 ug/L
RT: 2.14 min Scan# 390
Delta R.T. -0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Tgt Ion: 96 Resp: 29672

Ion	Ratio	Lower	Upper
96	100		
61	159.6	111.6	207.4
63	152.3	84.9	157.7



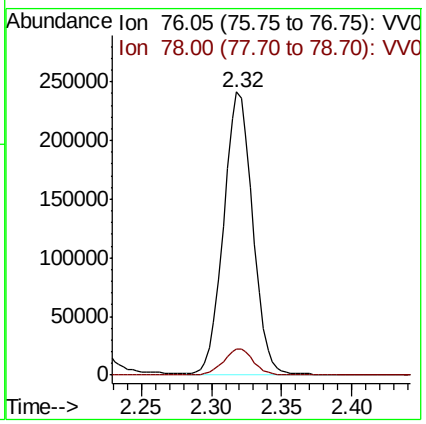


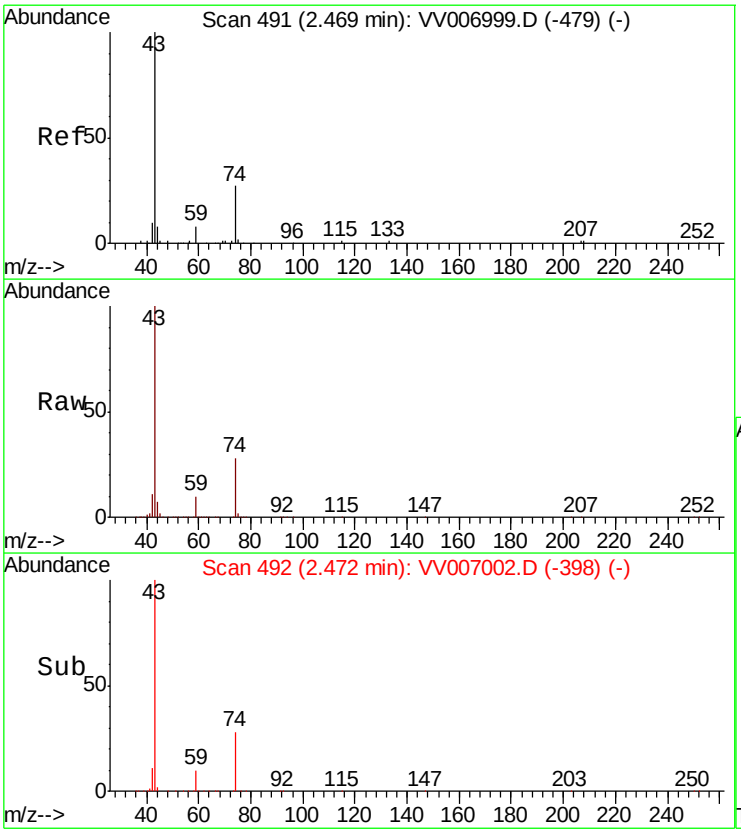
#14
Carbon disulfide
Concen: 6.38 ug/L
RT: 2.32 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Instrument : MSVOA_V
ClientSampleId : A4ZL3

Tgt Ion: 76 Resp: 346758

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.6	11.4

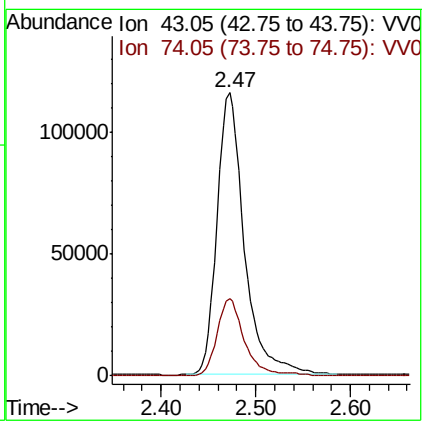


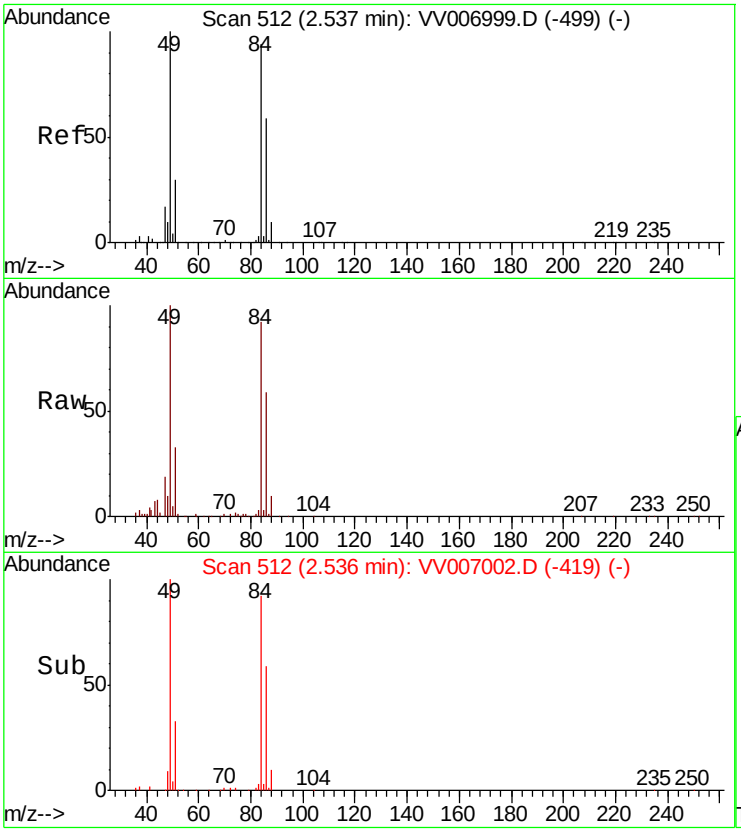


#15
Methyl Acetate
Concen: 37.58 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Tgt Ion: 43 Resp: 231741

Ion	Ratio	Lower	Upper
43	100		
74	27.9	24.6	37.0



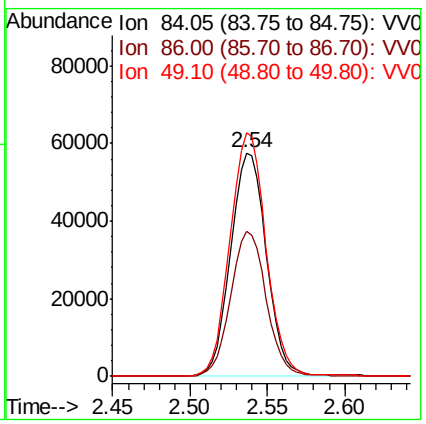


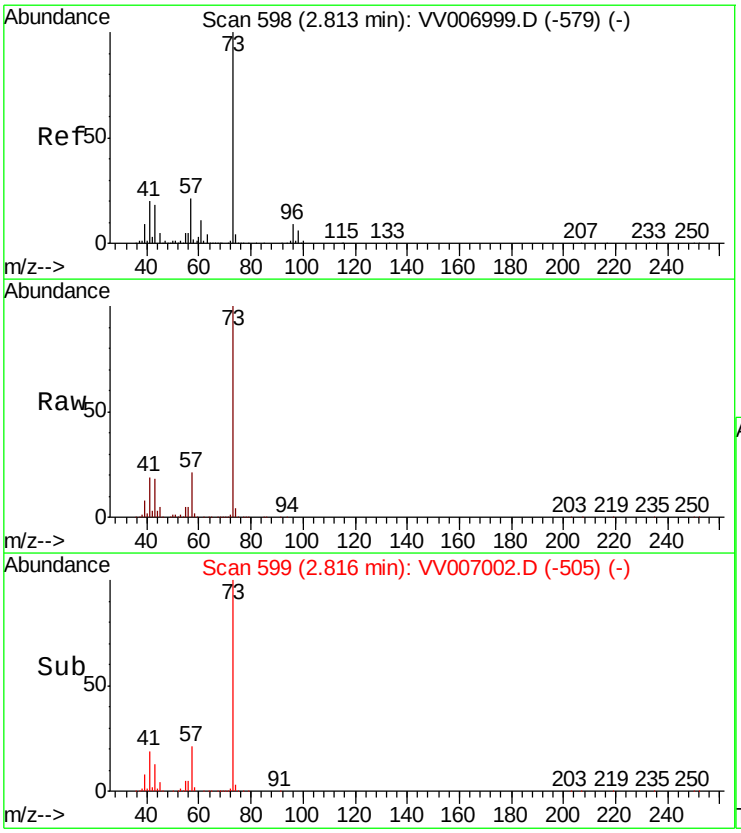
#16
Methylene chloride
Concen: 4.66 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Instrument : MSVOA_V
ClientSampleId : A4ZL3

Tgt Ion: 84 Resp: 92574

Ion	Ratio	Lower	Upper
84	100		
86	64.8	45.7	84.9
49	108.9	78.8	146.4

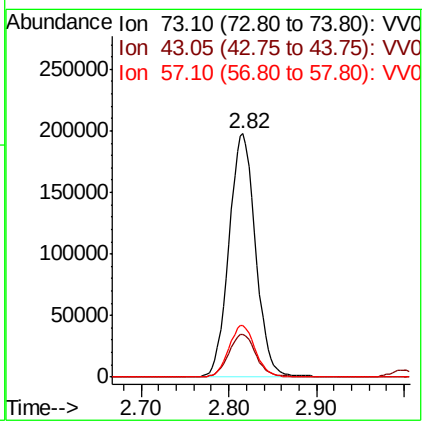


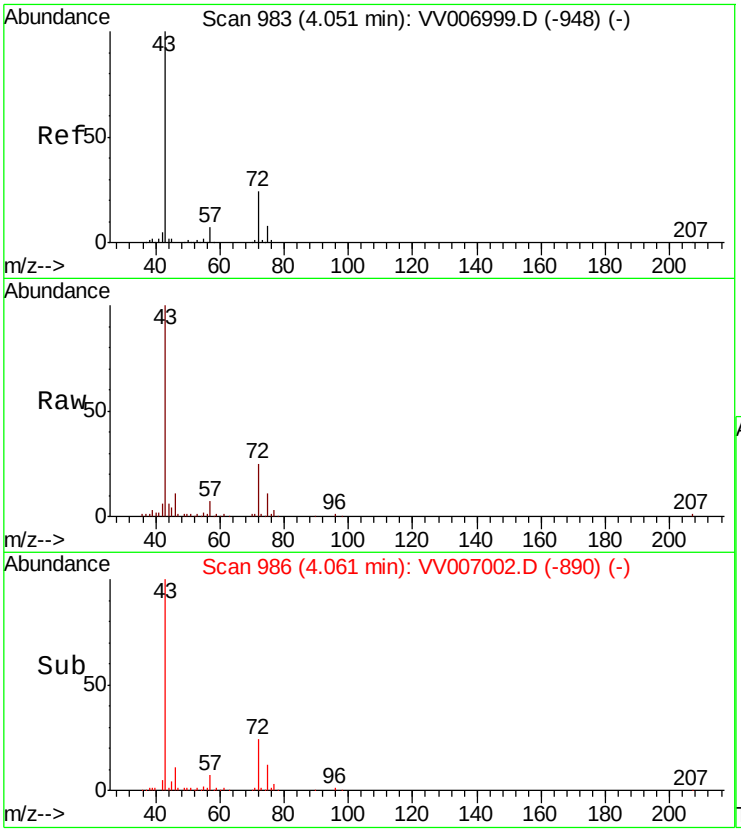


#17
Methyl tert-butyl Ether
Concen: 10.56 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Tgt Ion: 73 Resp: 416802

Ion	Ratio	Lower	Upper
73	100		
43	17.7	14.4	21.6
57	20.9	17.9	26.9



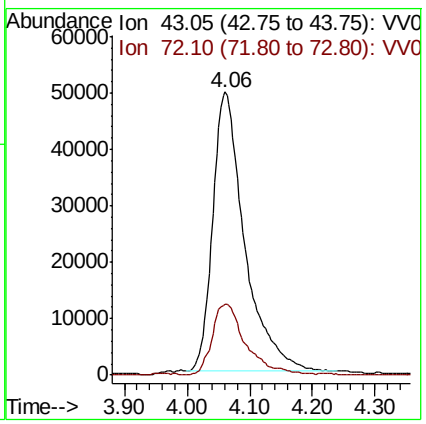


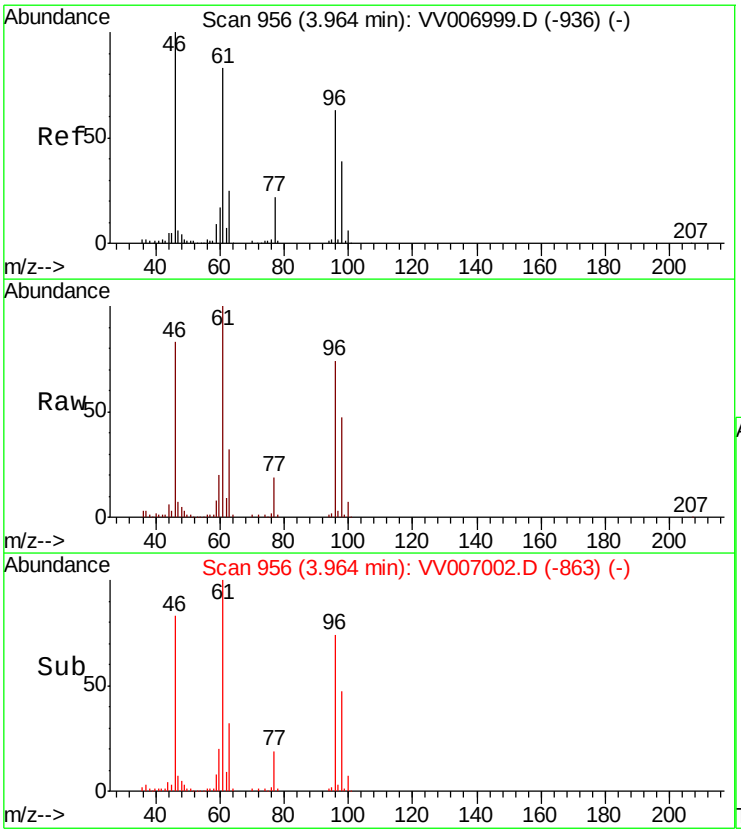
#21
2-Butanone
Concen: 36.81 ug/L
RT: 4.06 min Scan# 986
Delta R.T. 0.01 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Instrument : MSVOA_V
ClientSampleId : A4ZL3

Tgt Ion: 43 Resp: 175103

Ion	Ratio	Lower	Upper
43	100		
72	27.1	12.4	37.2

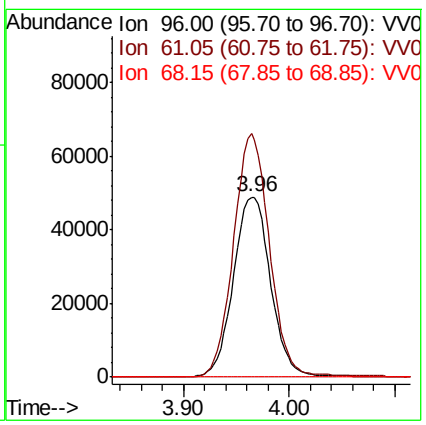


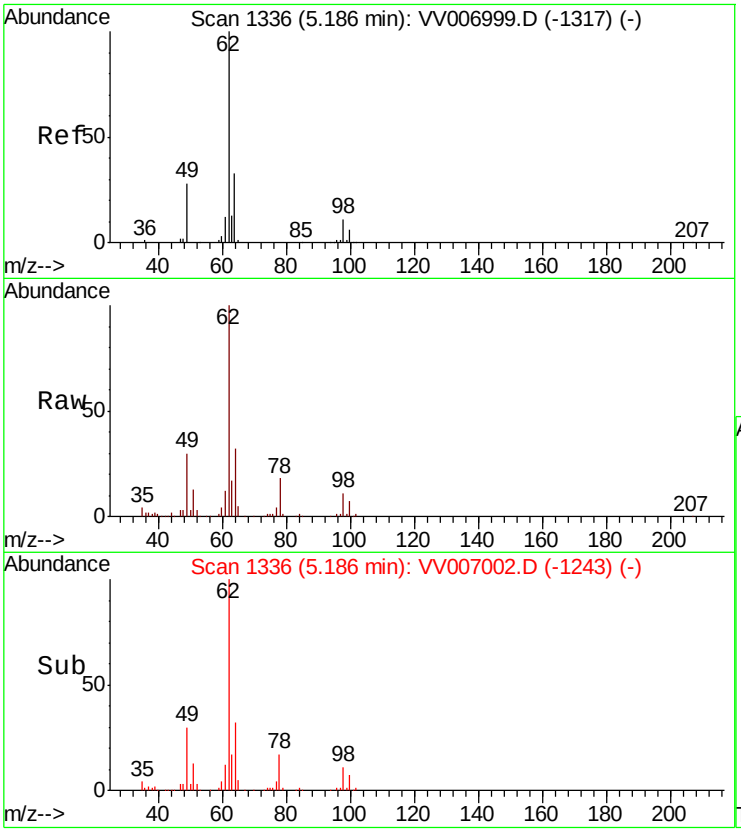


#22
cis-1,2-Dichloroethene
Concen: 5.99 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Tgt Ion: 96 Resp: 119816

Ion	Ratio	Lower	Upper
96	100		
61	135.5	91.1	169.1
68	0.0	0.0	0.0



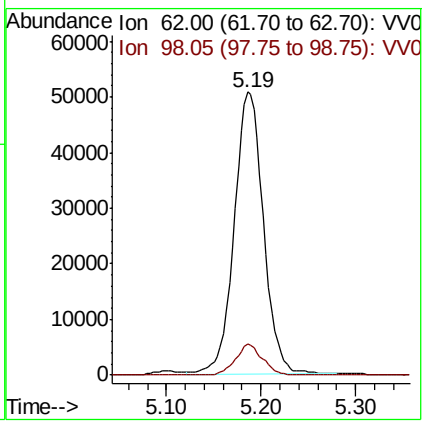


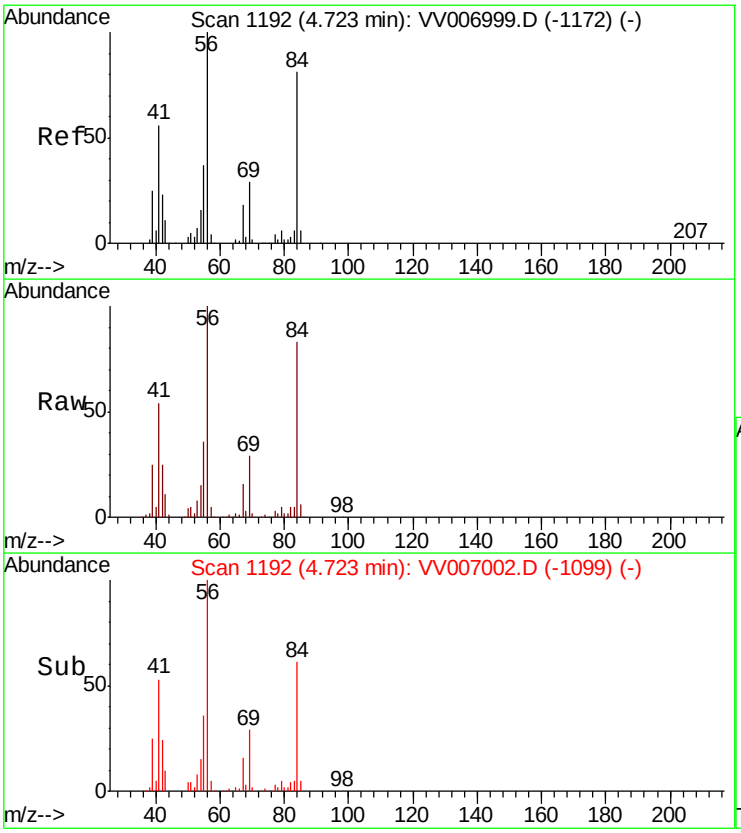
#27
1,2-Dichloroethane
Concen: 5.03 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Instrument :
MSVOA_V
ClientSampleId :
A4ZL3

Tgt Ion: 62 Resp: 109168

Ion	Ratio	Lower	Upper
62	100		
98	10.8	7.6	11.4

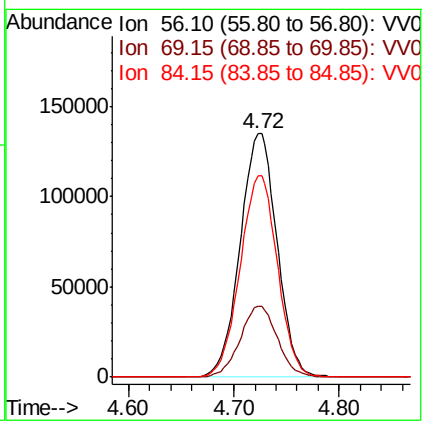


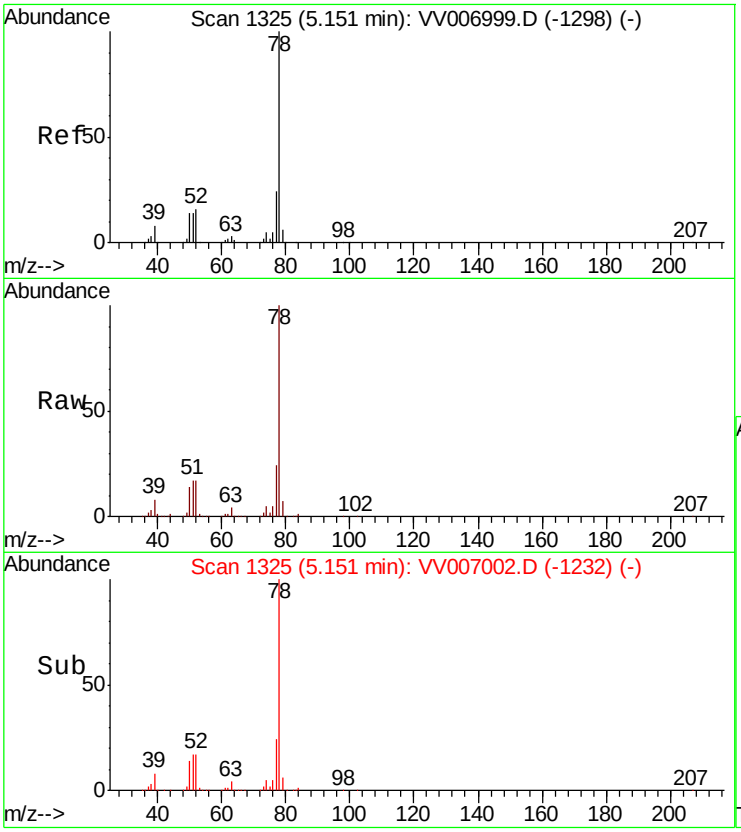


#30
Cyclohexane
Concen: 10.91 ug/L
RT: 4.72 min Scan# 1192
Delta R.T. -0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Tgt Ion: 56 Resp: 328555

Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.8	35.6
84	83.9	67.9	101.9

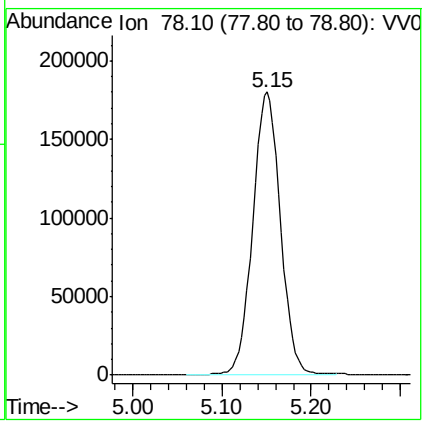


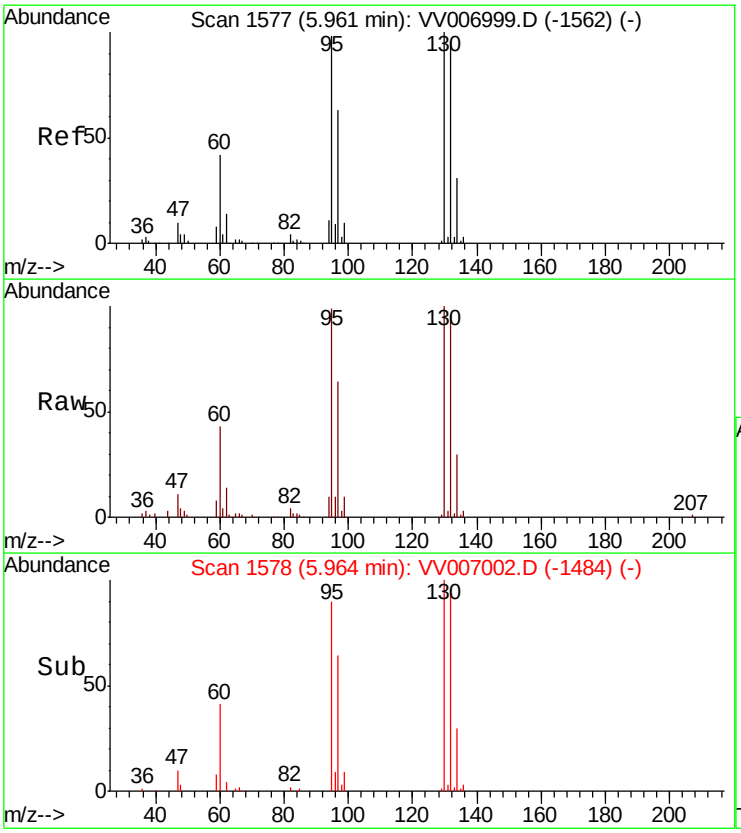


#33
Benzene
Concen: 5.21 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Instrument :
MSVOA_V
ClientSampleId :
A4ZL3

Tgt Ion: 78 Resp: 391378

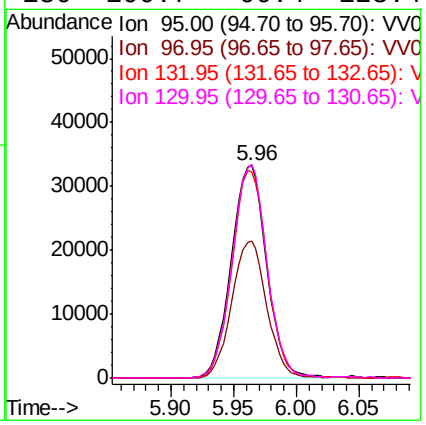


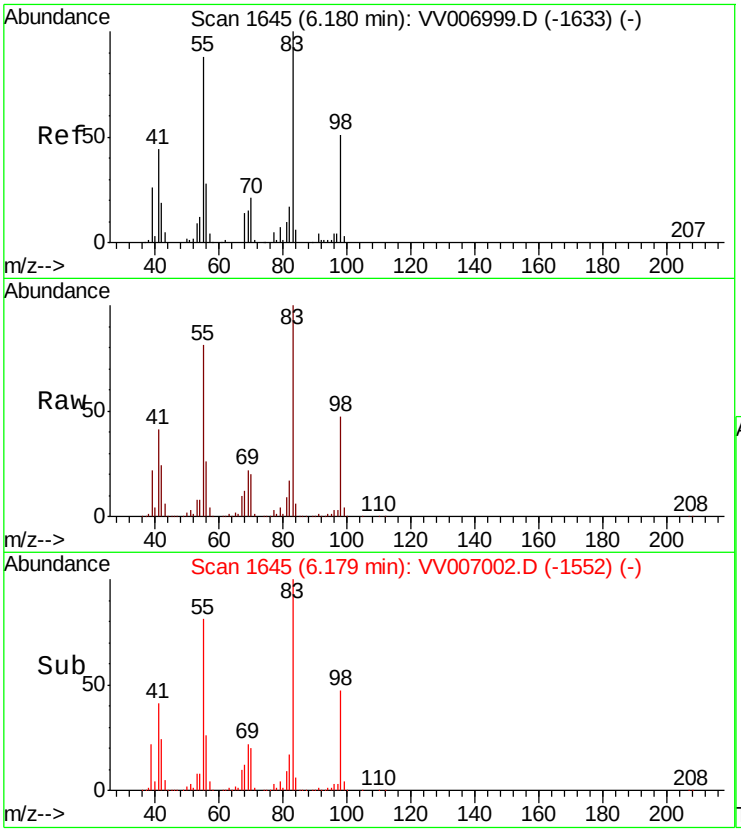


#34
Trichloroethene
Concen: 3.62 ug/L
RT: 5.96 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Tgt Ion: 95 Resp: 65253

Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.8	83.2
132	97.1	65.5	121.6
130	100.7	66.4	123.4



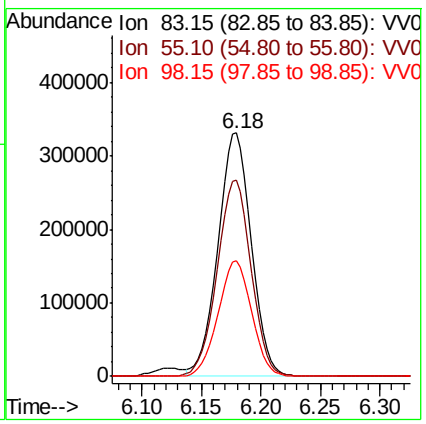


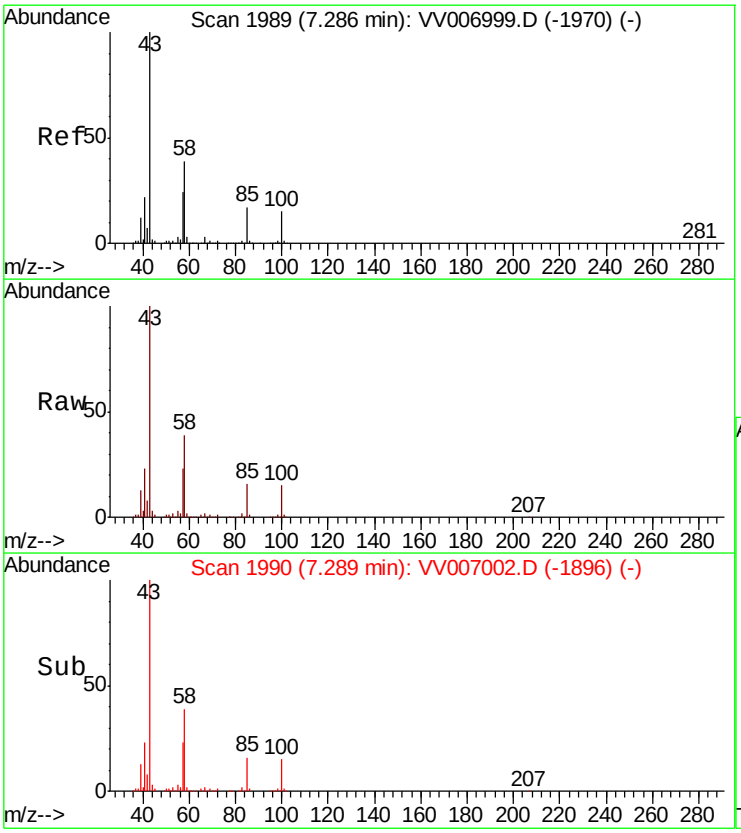
#35
Methylcyclohexane
Concen: 22.23 ug/L
RT: 6.18 min Scan# 1645
Delta R.T. -0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Instrument : MSVOA_V
ClientSampleId : A4ZL3

Tgt Ion: 83 Resp: 643276

Ion	Ratio	Lower	Upper
83	100		
55	82.2	68.1	102.1
98	47.7	37.9	56.9

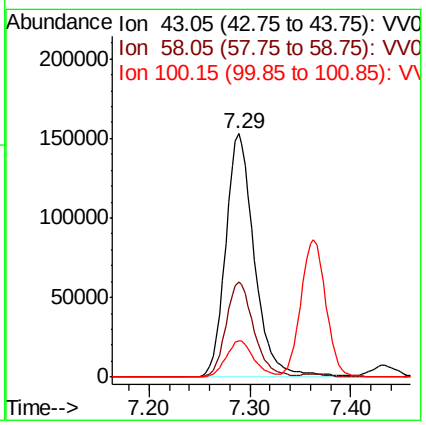


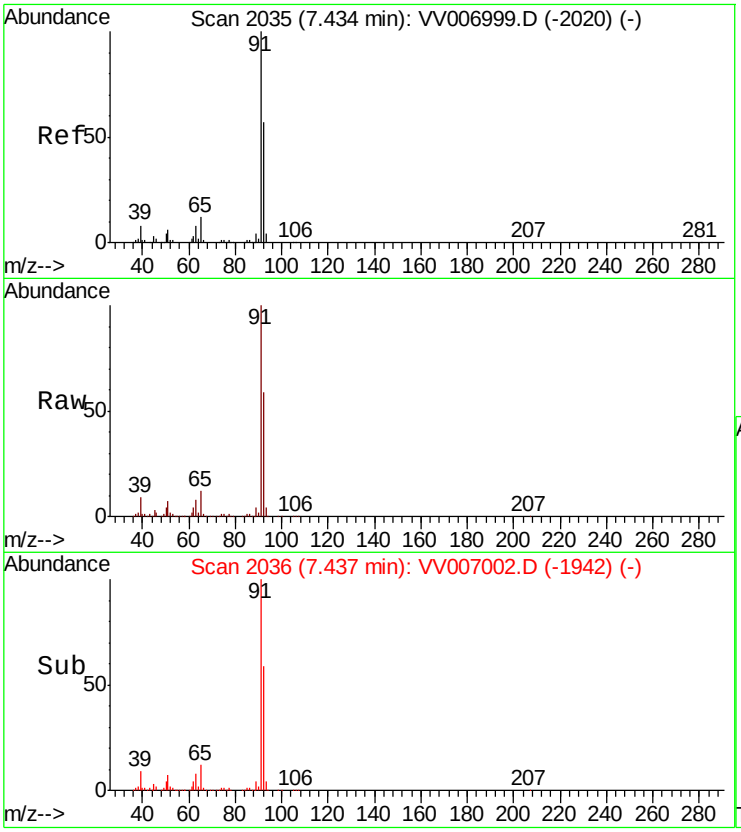


#40
4-Methyl-2-pentanone
Concen: 27.35 ug/L
RT: 7.29 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Tgt Ion: 43 Resp: 304014

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.7	46.1
100	14.4	11.2	16.8



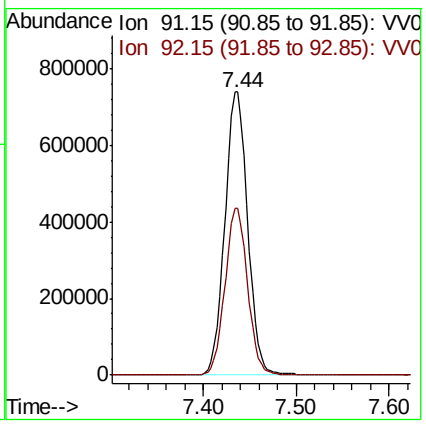


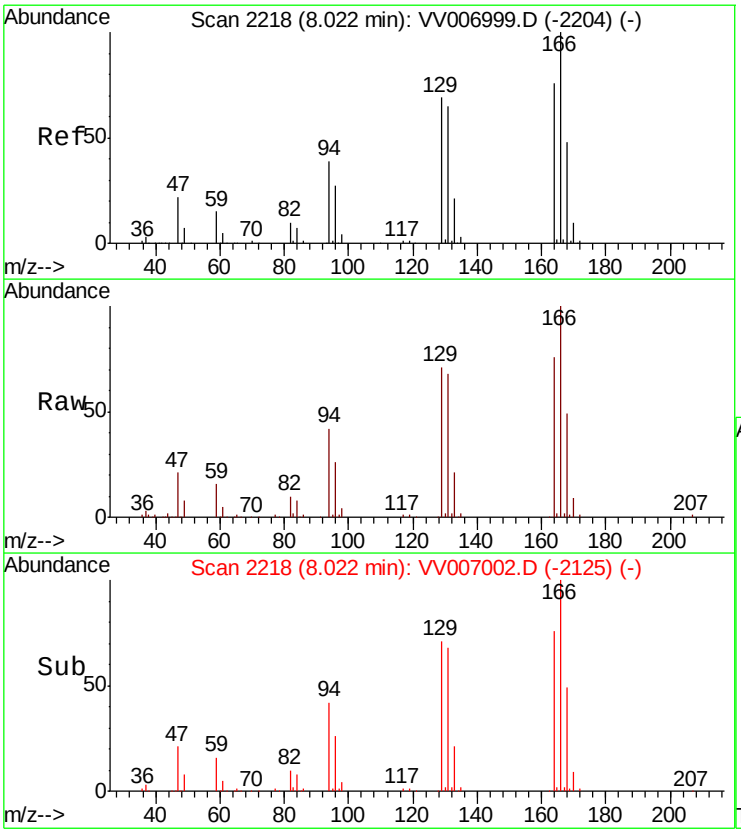
#42
Toluene
Concen: 17.48 ug/L
RT: 7.44 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Instrument : MSVOA_V
ClientSampleId : A4ZL3

Tgt Ion: 91 Resp: 1262716

Ion	Ratio	Lower	Upper
91	100		
92	58.9	40.2	74.6

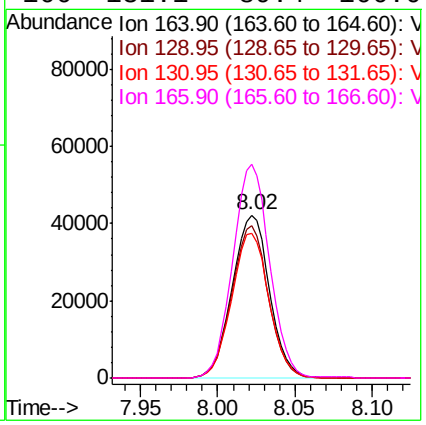


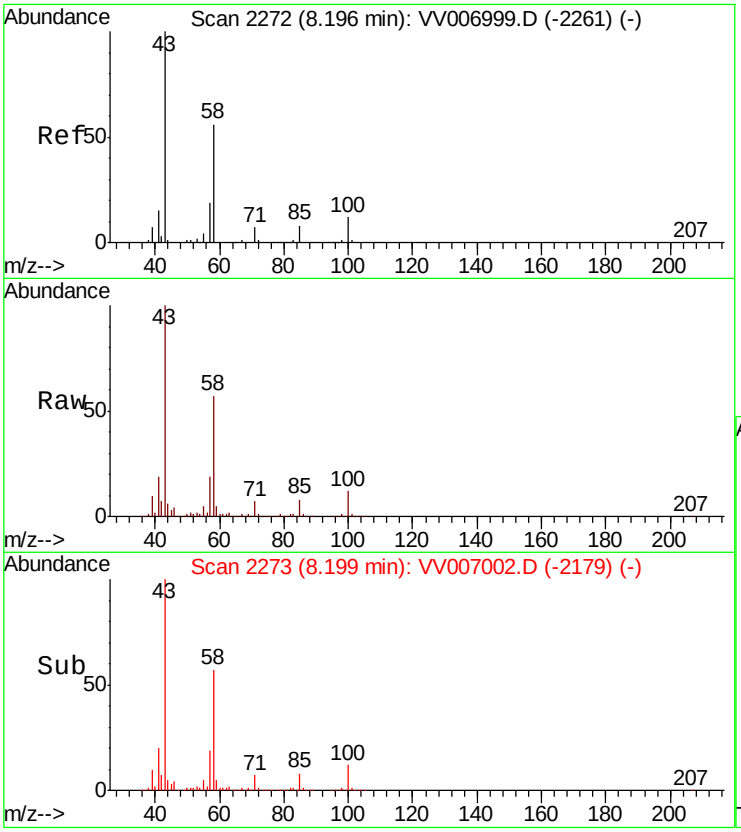


#47
Tetrachloroethene
Concen: 4.82 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Tgt Ion:164 Resp: 70489

Ion	Ratio	Lower	Upper
164	100		
129	93.2	65.9	122.3
131	88.8	64.2	119.2
166	131.1	89.4	166.0



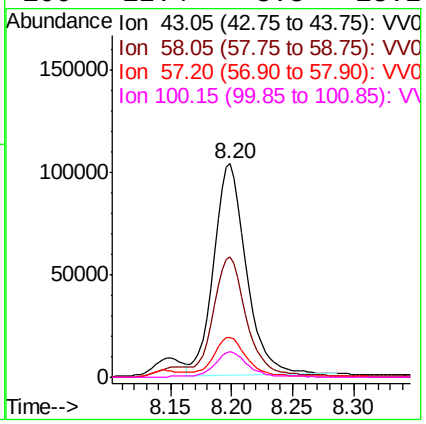


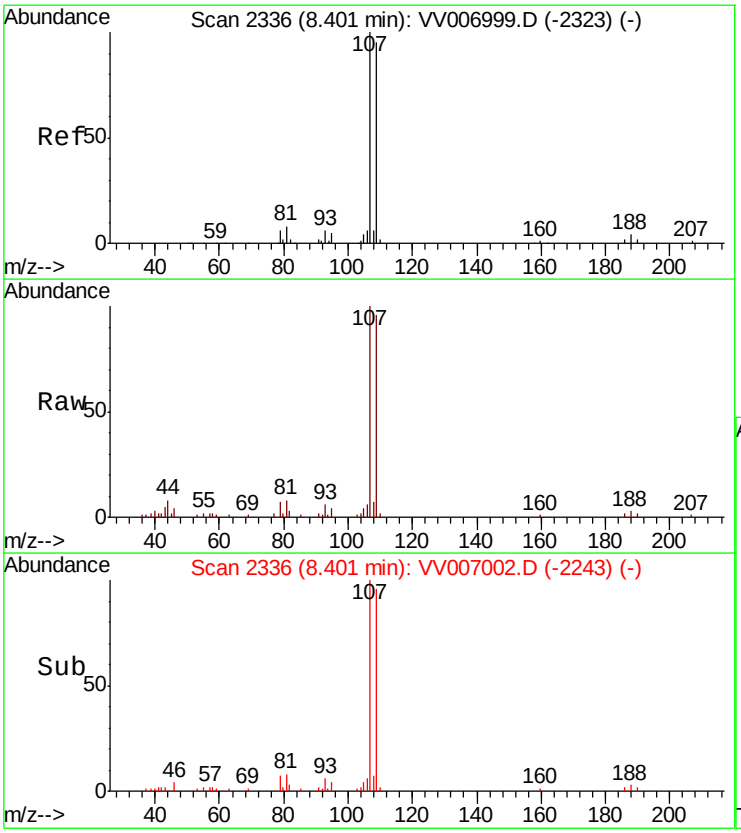
#48
2-Hexanone
Concen: 24.75 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Instrument : MSVOA_V
ClientSampleId : A4ZL3

Tgt Ion: 43 Resp: 194090

Ion	Ratio	Lower	Upper
43	100		
58	56.1	44.2	66.2
57	19.1	14.8	22.2
100	12.4	8.8	13.2

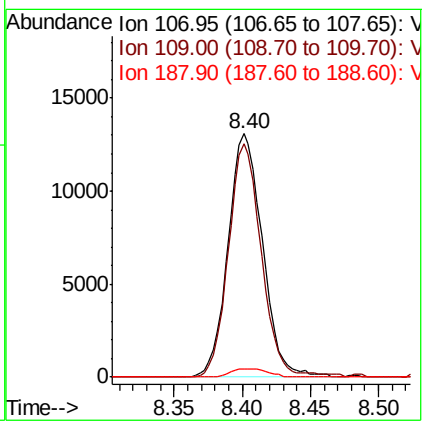


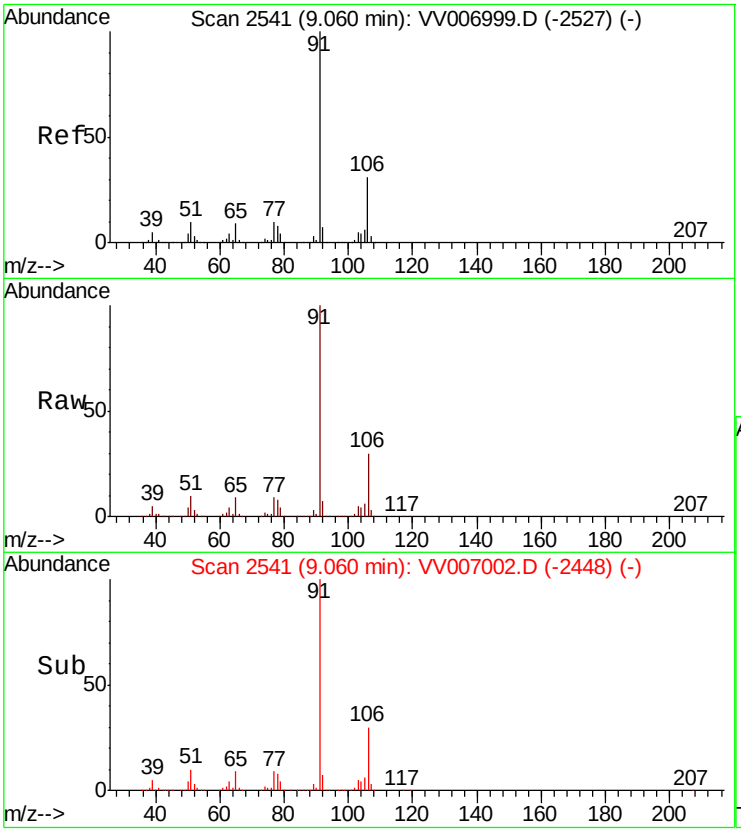


#50
1,2-Dibromoethane
Concen: 2.03 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Tgt Ion:107 Resp: 22932

Ion	Ratio	Lower	Upper
107	100		
109	96.0	64.1	119.1
188	3.2	4.0	6.0#



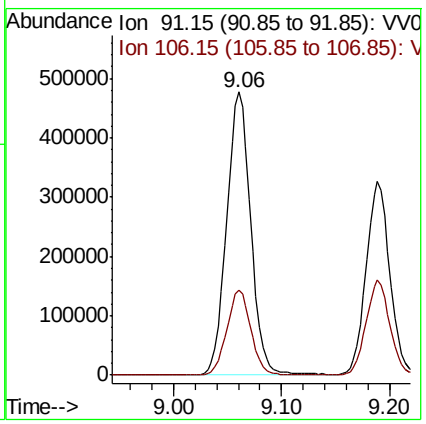


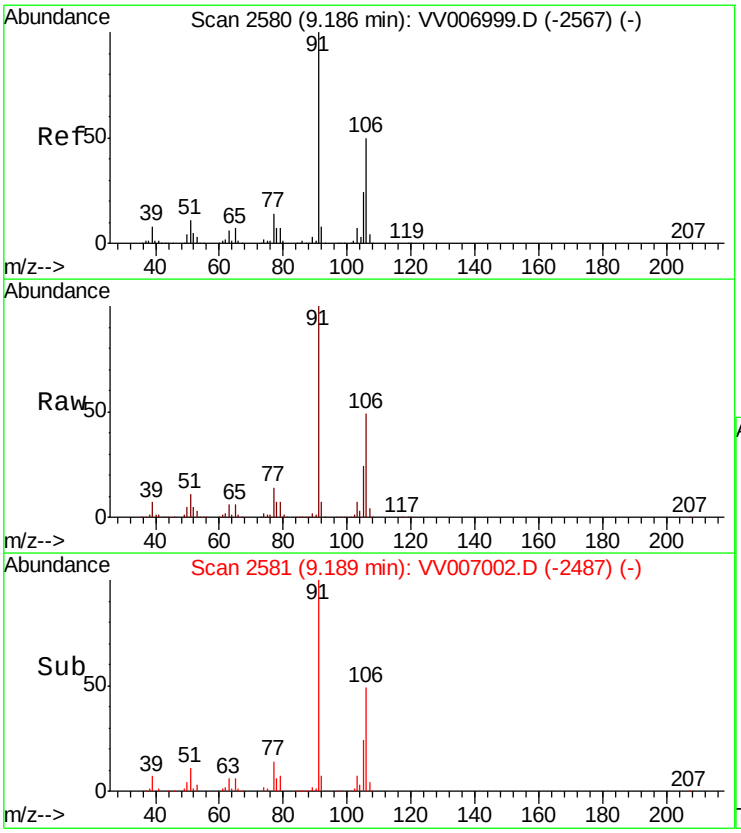
#52
Ethylbenzene
Concen: 10.32 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. -0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Instrument : MSVOA_V
ClientSampleId : A4ZL3

Tgt Ion: 91 Resp: 744623

Ion	Ratio	Lower	Upper
91	100		
106	30.2	21.3	39.5

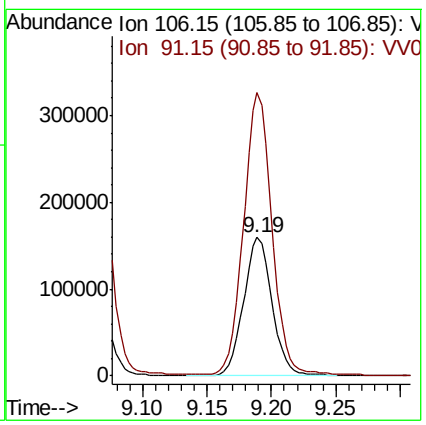


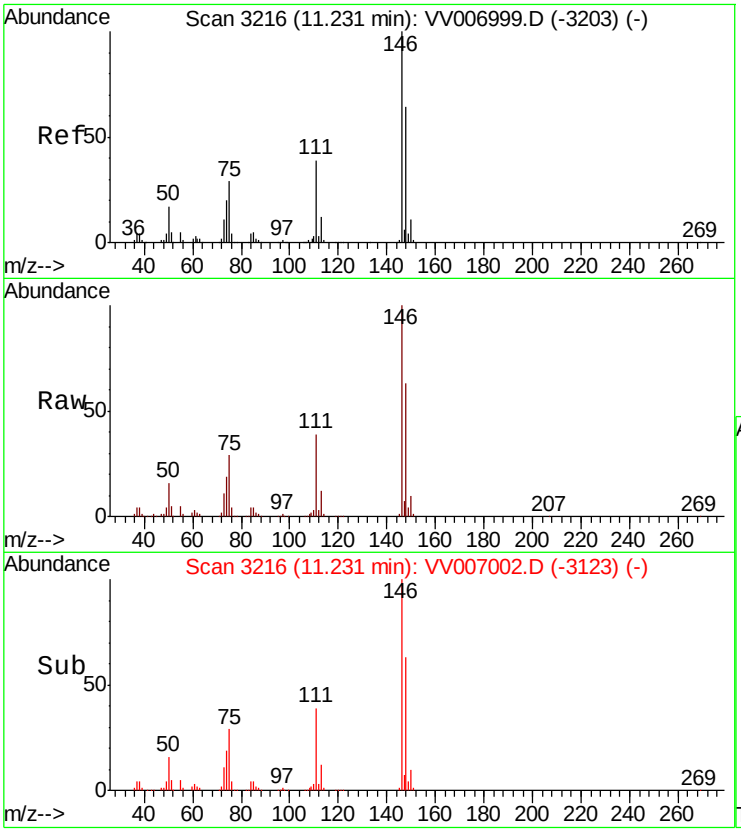


#53
m,p-xylene
Concen: 9.04 ug/L
RT: 9.19 min Scan# 2581
Delta R.T. 0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Tgt Ion:106 Resp: 242991

Ion	Ratio	Lower	Upper
106	100		
91	204.3	141.6	263.0





#62
1,3-Dichlorobenzene
Concen: 6.27 ug/L
RT: 11.23 min Scan# 3216
Delta R.T. -0.00 min
Lab File: VV007002.D
Acq: 13 Aug 2018 13:07

Instrument :
MSVOA_V
ClientSampleId :
A4ZL3

Tgt Ion:146 Resp: 195220

Ion	Ratio	Lower	Upper
146	100		
111	38.9	28.1	52.3
148	62.8	44.2	82.2