Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102419\
Data File : VV013317.D
Acq On : 24 Oct 2019 15:26
Operator : SY/MD
Sample : K5308-01DL 4X
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Oct 25 13:30:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 25 13:28:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1280604	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1242782	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	611748	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	374697	44.14	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 88.28%			
7) Chloroethane-d5	1.58	69	311739	47.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.16%			
11) 1,1-Dichloroethene-d2	2.13	63	476059	38.33	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.66%			
21) 2-Butanone-d5	3.92	46	591330	103.96	ug/L	-0.03
Spiked Amount 100.000	Range 40 - 130		Recovery = 103.96%			
24) Chloroform-d	4.40	84	817197	44.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.34%			
26) 1,2-Dichloroethane-d4	5.08	65	519772	47.85	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.70%			
32) Benzene-d6	5.10	84	1730541	45.23	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.46%			
36) 1,2-Dichloropropane-d6	6.11	67	542017	45.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 91.50%			
41) Toluene-d8	7.36	98	1612858	46.75	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.50%			
43) trans-1,3-Dichloropropene-	7.66	79	246785	47.21	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.42%			
47) 2-Hexanone-d5	8.13	63	406818	113.37	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 113.37%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	700390	44.72	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 89.44%			
64) 1,2-Dichlorobenzene-d4	11.67	152	684039	48.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	20392	1.852	ug/L	98
3) Chloromethane	1.25	50	24265	2.925	ug/L	97
6) Bromomethane	1.53	94	12145	2.767	ug/L	91
9) Trichlorofluoromethane	1.77	101	39630	3.329	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	47446	7.051	ug/L	92
12) 1,1-Dichloroethene	2.13	96	4497	0.694	ug/L #	1
13) Acetone	2.18	43	497345	118.329	ug/L	95
15) Methyl Acetate	2.45	43	163213	18.657	ug/L	100
16) Methylene chloride	2.54	84	34915	3.623	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	545120	21.030	ug/L	100
22) 2-Butanone	4.01	43	93398	15.497	ug/L	96
27) 1,2-Dichloroethane	5.18	62	155141	12.867	ug/L	99
29) Cyclohexane	4.73	56	21240	1.475	ug/L	97
34) Trichloroethene	5.96	95	53032	5.366	ug/L	98
35) Methylcyclohexane	6.18	83	76706	5.106	ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	346010	29.284	ug/L	98
42) Toluene	7.43	91	361291	9.336	ug/L	100

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102419\
Data File : VV013317.D
Acq On : 24 Oct 2019 15:26
Operator : SY/MD
Sample : K5308-01DL 4X
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Oct 25 13:30:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 25 13:28:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Tetrachloroethene	8.02	164	23931	2.715	ug/L		96
48) 2-Hexanone	8.18	43	272941	28.458	ug/L		98
51) Chlorobenzene	8.92	112	125079	4.753	ug/L		95
52) Ethylbenzene	9.05	91	205165	5.018	ug/L		99
53) m,p-Xylene	9.17	106	224246	14.123	ug/L		99
54) o-xylene	9.59	106	110016	7.105	ug/L		99
55) Styrene	9.60	104	301683	11.488	ug/L		100
56) Isopropylbenzene	9.97	105	388215	9.813	ug/L		99
63) 1,4-Dichlorobenzene	11.31	146	95568	4.659	ug/L		97
65) 1,2-Dichlorobenzene	11.68	146	104912	5.153	ug/L		98
66) 1,2-Dibromo-3-chloropropan	12.69	75	24169	8.463	ug/L	#	1
67) 1,3,5-Trichlorobenzene	12.69	180	186703	12.552	ug/L		98
68) 1,2,4-trichlorobenzene	13.31	180	61589	4.934	ug/L		99
70) 1,2,3-Trichlorobenzene	13.79	180	195008	14.582	ug/L		98

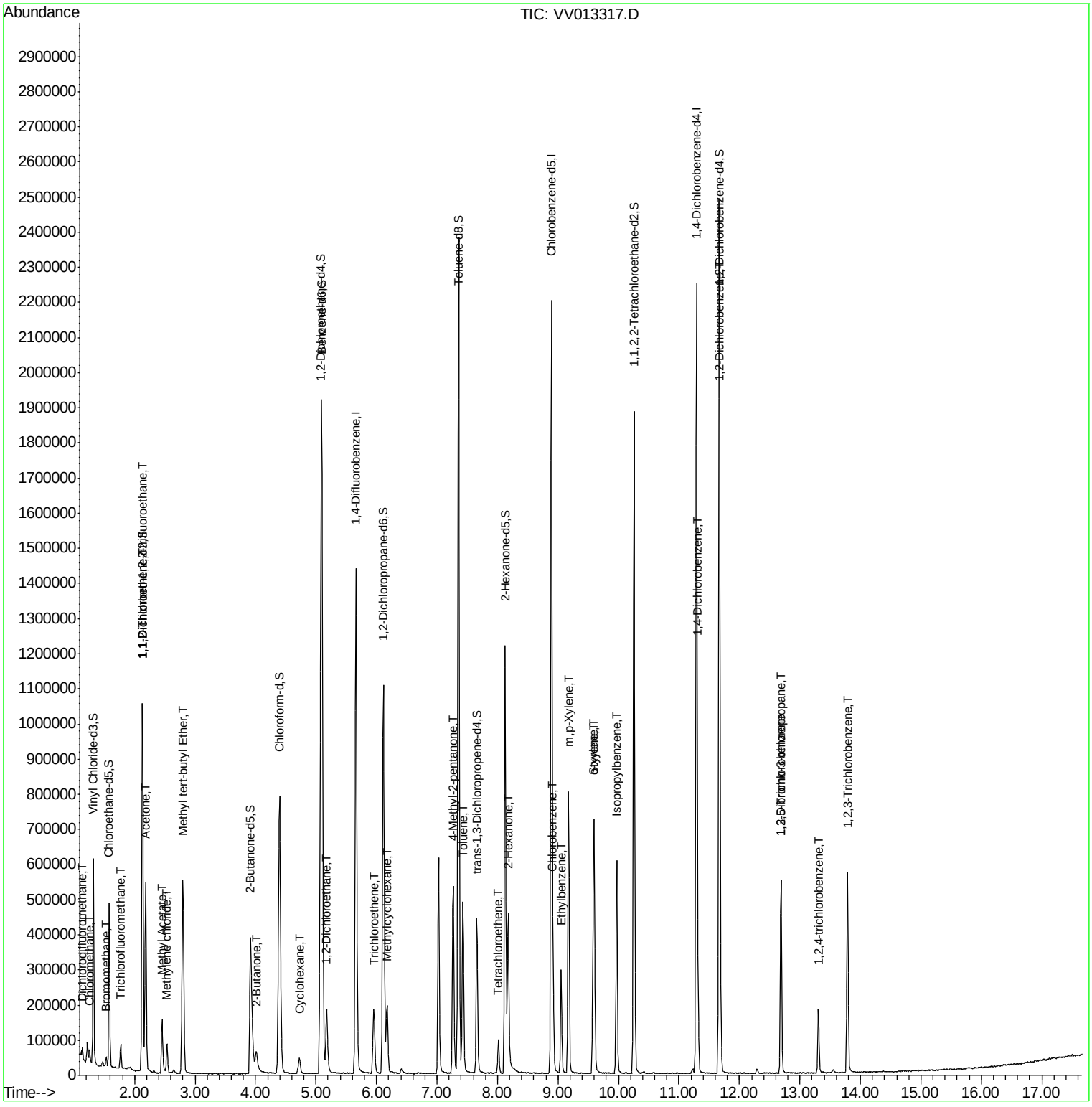
(#) = qualifier out of range (m) = manual integration (+) = signals summed

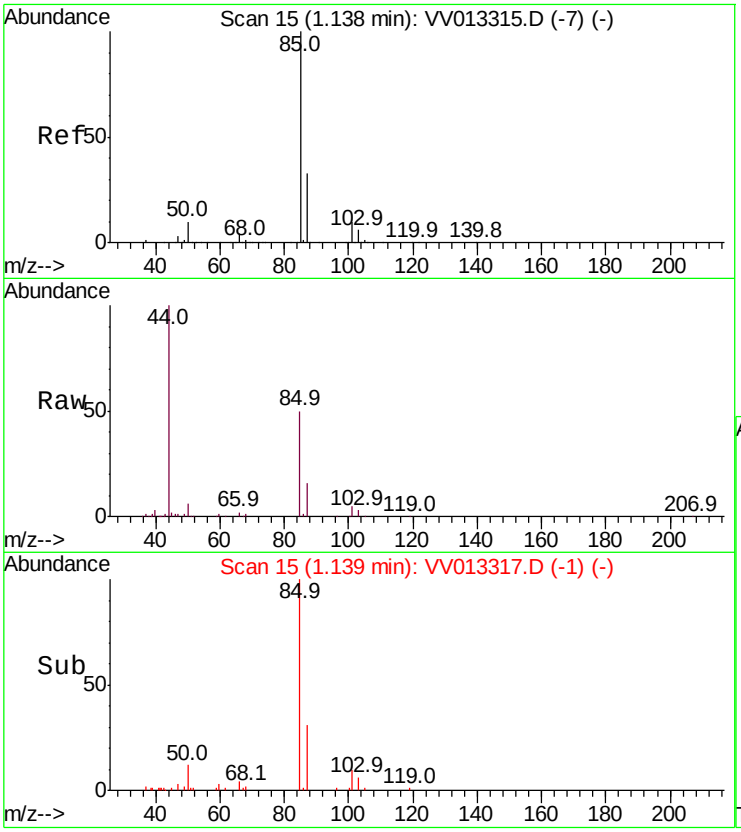
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102419\
Data File : VV013317.D
Acq On : 24 Oct 2019 15:26
Operator : SY/MD
Sample : K5308-01DL 4X
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Oct 25 13:30:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 25 13:28:06 2019
Response via : Initial Calibration



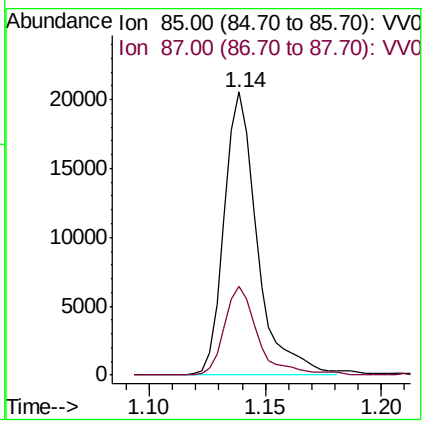


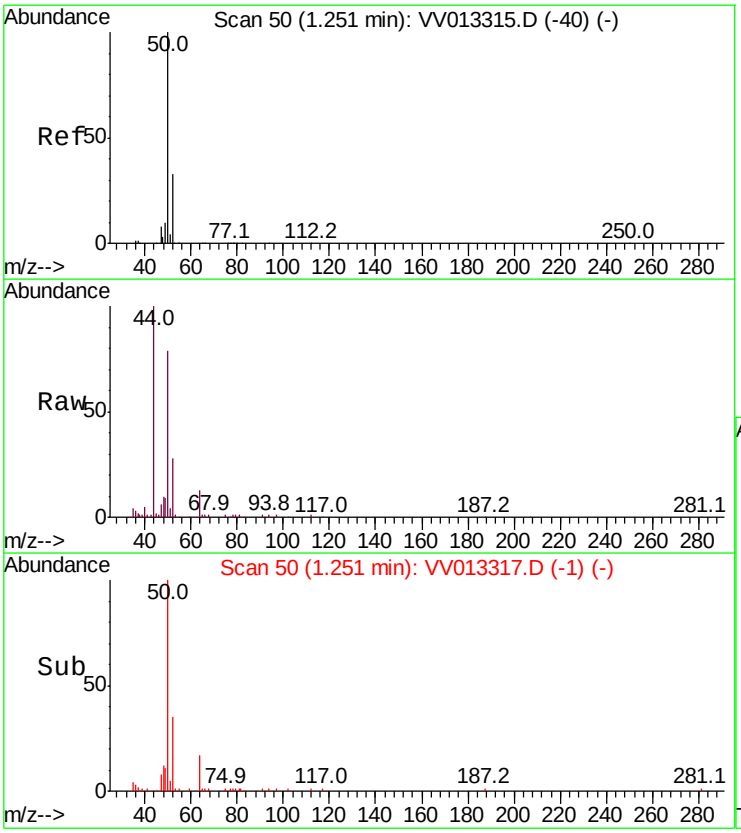
#2
Dichlorodifluoromethane
Concen: 1.852 ug/L
RT: 1.14 min Scan# 15
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 85 Resp: 20392

Ion	Ratio	Lower	Upper
85	100		
87	31.2	25.8	38.8

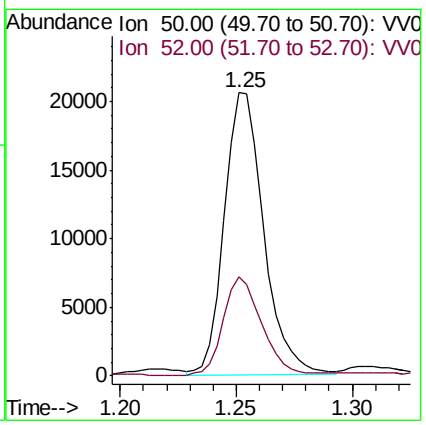


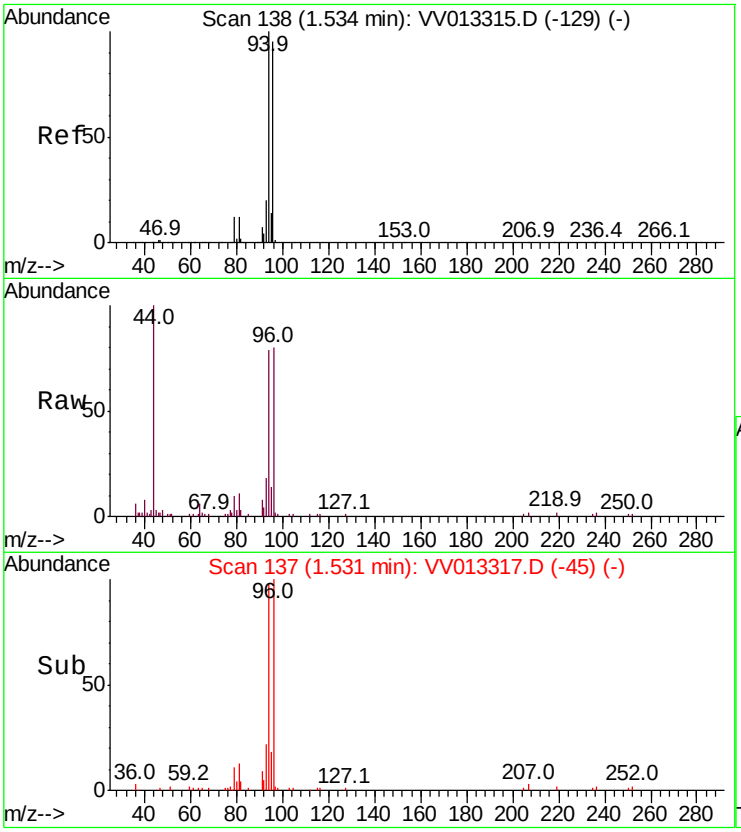


#3
Chloromethane
Concen: 2.925 ug/L
RT: 1.25 min Scan# 50
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion: 50 Resp: 24265

Ion	Ratio	Lower	Upper
50	100		
52	35.1	23.2	43.2



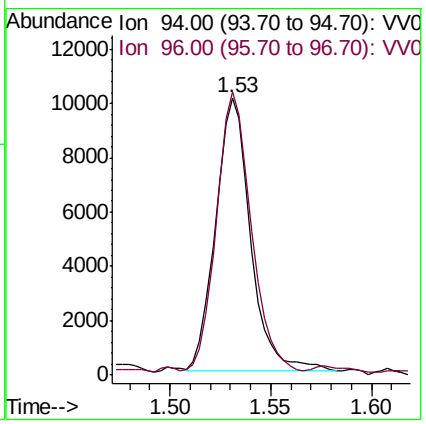


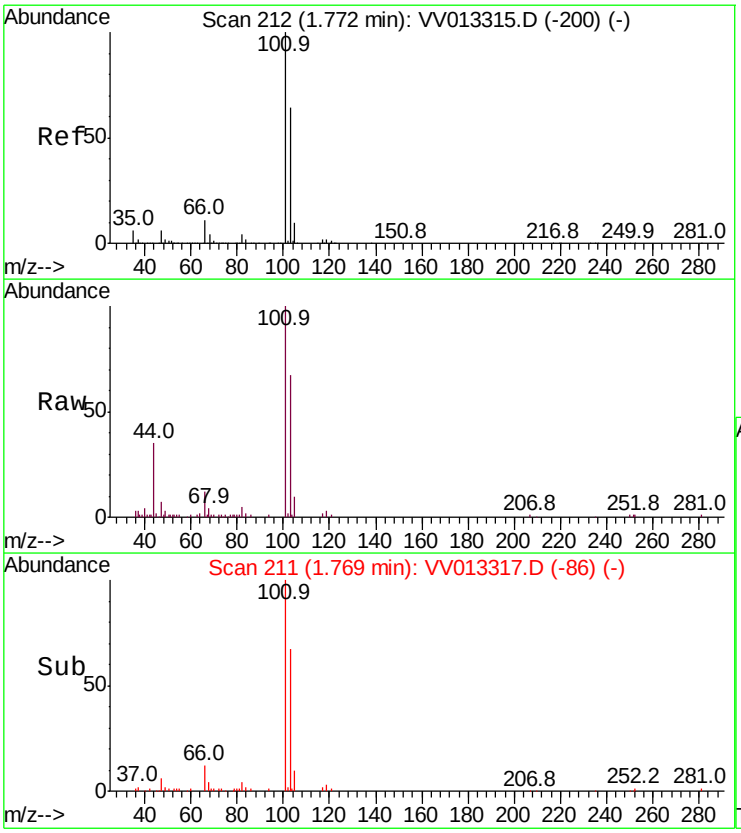
#6
Bromomethane
Concen: 2.767 ug/L
RT: 1.53 min Scan# 137
Delta R.T. -0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 94 Resp: 12145

Ion	Ratio	Lower	Upper
94	100		
96	102.2	65.7	121.9

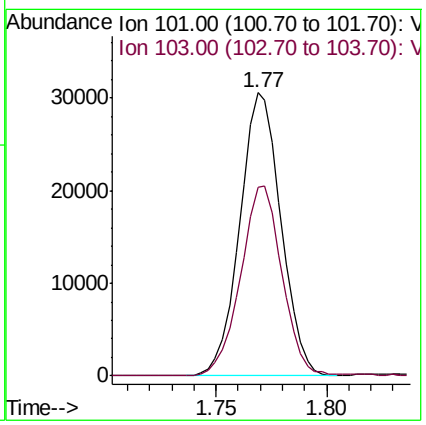


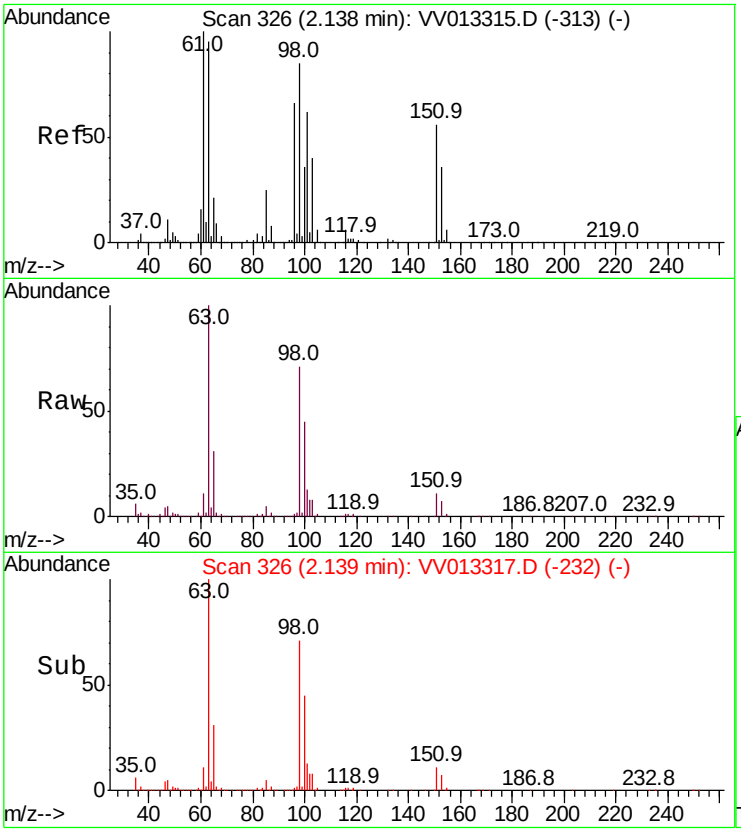


#9
Trichlorofluoromethane
Concen: 3.329 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion:101 Resp: 39630

Ion	Ratio	Lower	Upper
101	100		
103	67.2	53.0	79.4



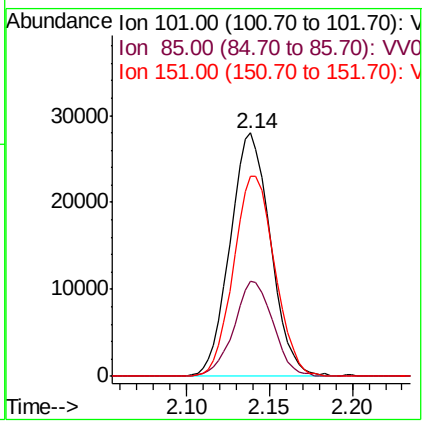


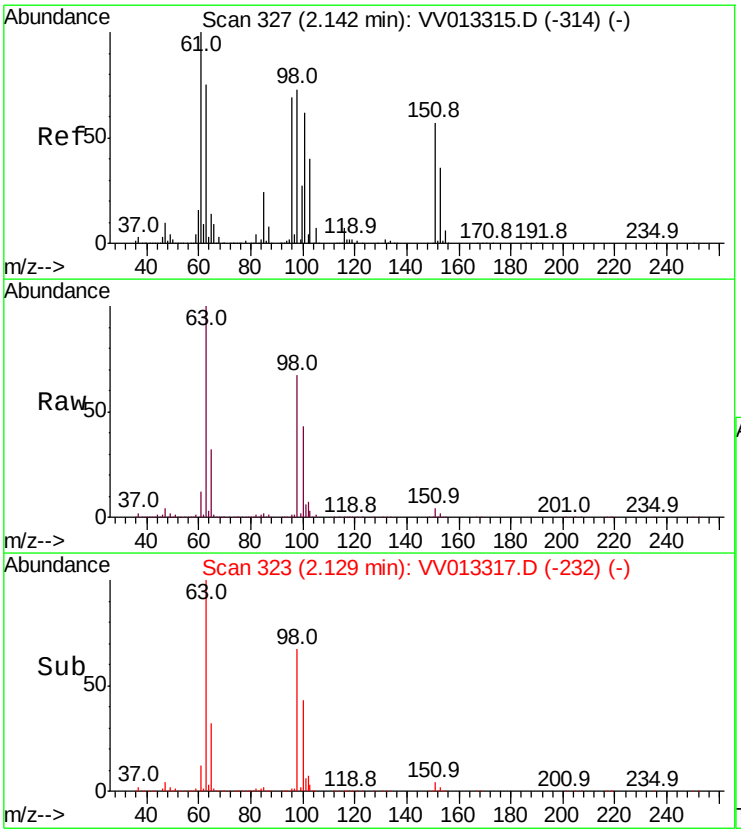
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 7.051 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:101 Resp: 47446

Ion	Ratio	Lower	Upper
101	100		
85	37.5	31.4	47.2
151	83.6	74.6	112.0

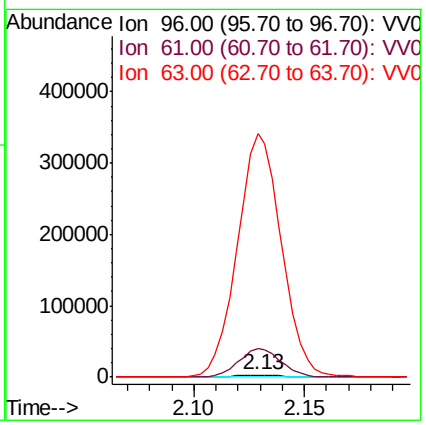


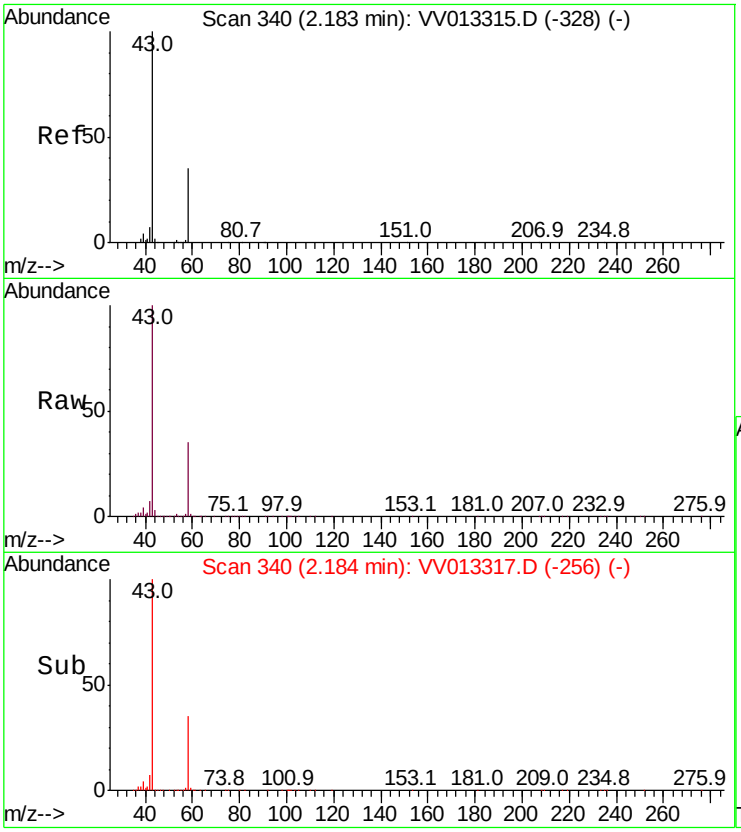


#12
1,1-Dichloroethene
Concen: 0.694 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.01 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion: 96 Resp: 4497

Ion	Ratio	Lower	Upper
96	100		
61	1344.1	103.3	191.8#
63	11575.6	74.8	138.8#



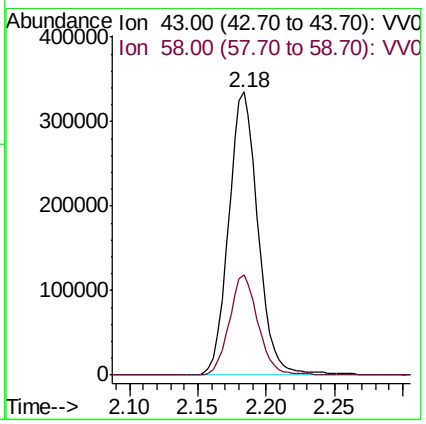


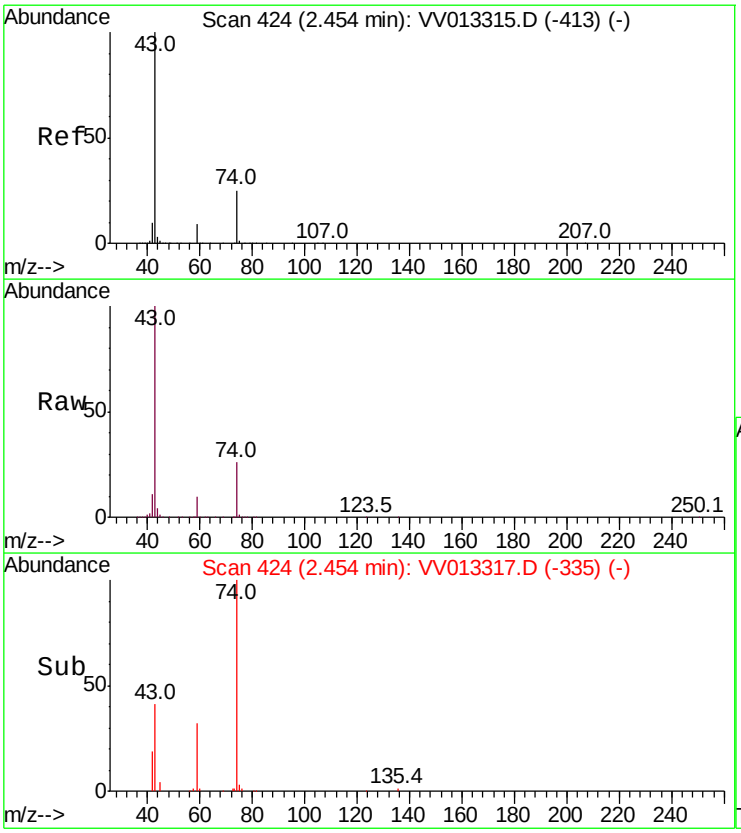
#13
Acetone
Concen: 118.329 ug/L
RT: 2.18 min Scan# 340
Delta R.T. -0.03 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 43 Resp: 497345

Ion	Ratio	Lower	Upper
43	100		
58	34.8	0.0	64.0

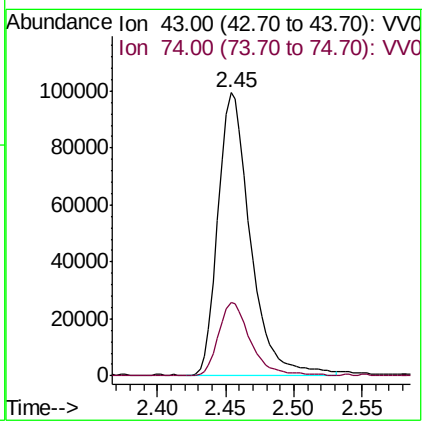


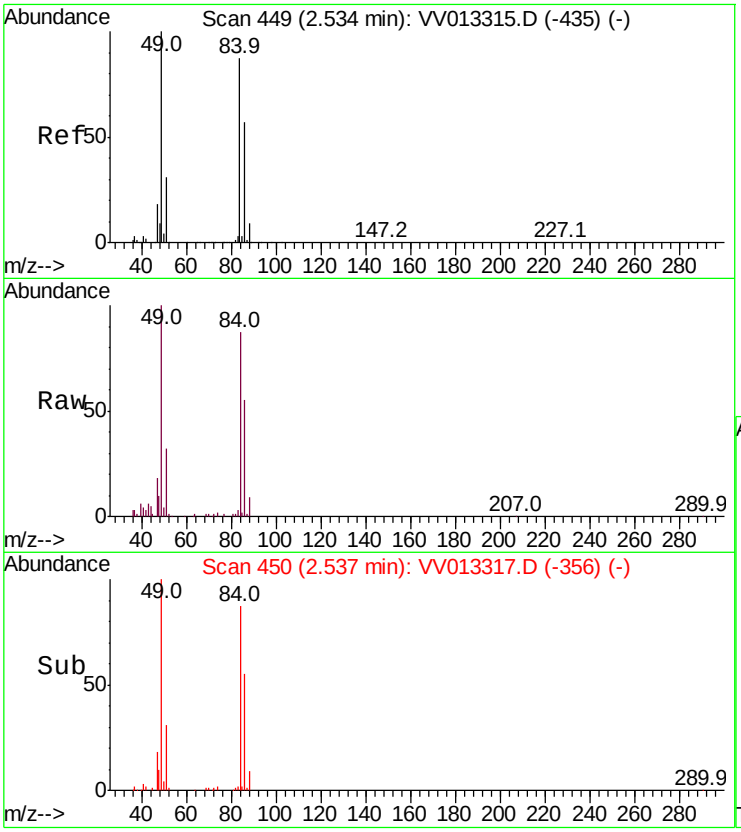


#15
Methyl Acetate
Concen: 18.657 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion: 43 Resp: 163213

Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.6	31.0



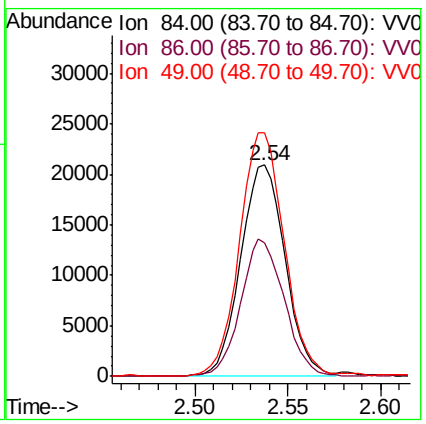


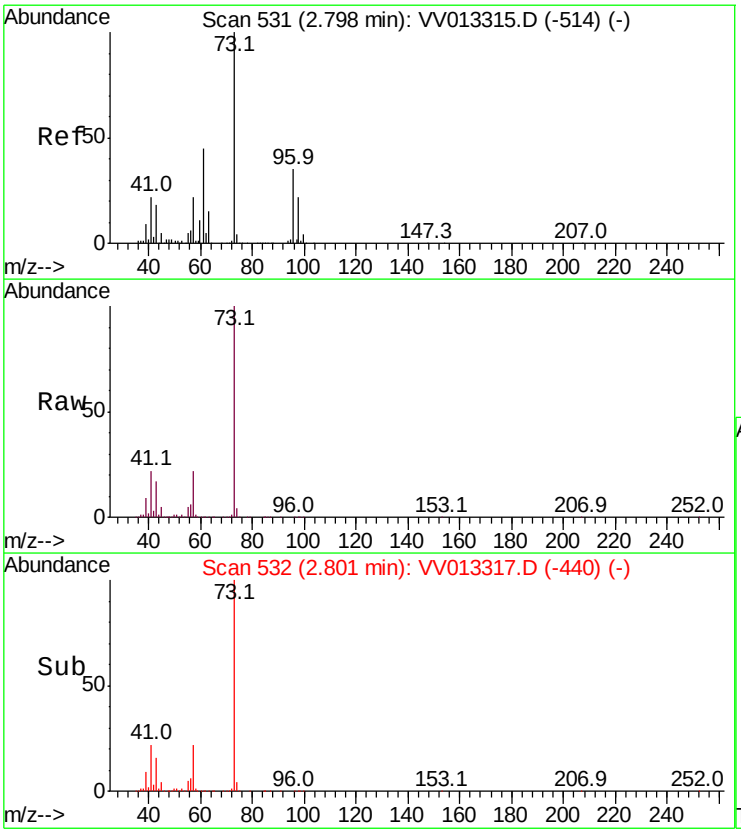
#16
Methylene chloride
Concen: 3.623 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 84 Resp: 34915

Ion	Ratio	Lower	Upper
84	100		
86	63.2	46.2	85.8
49	115.2	82.7	153.5

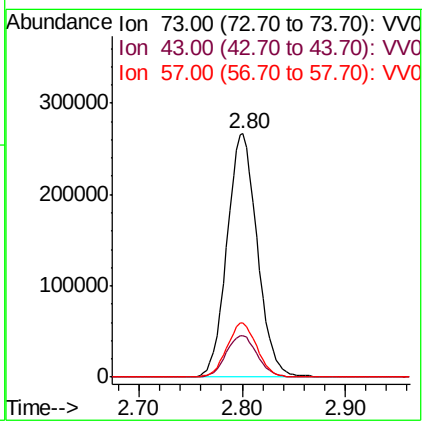


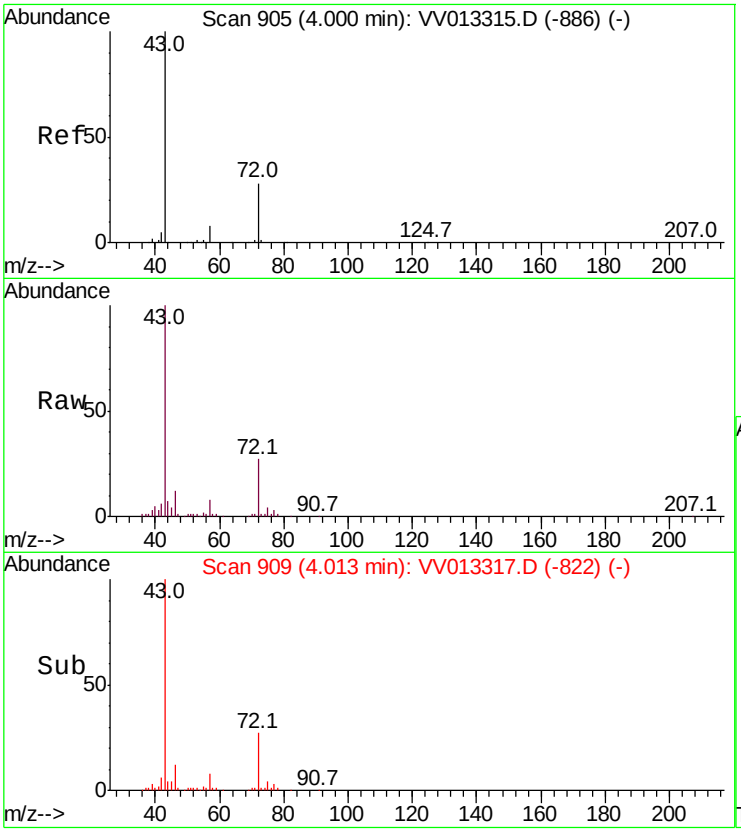


#18
Methyl tert-butyl Ether
Concen: 21.030 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion: 73 Resp: 545120

Ion	Ratio	Lower	Upper
73	100		
43	17.5	14.2	21.2
57	22.1	17.6	26.4



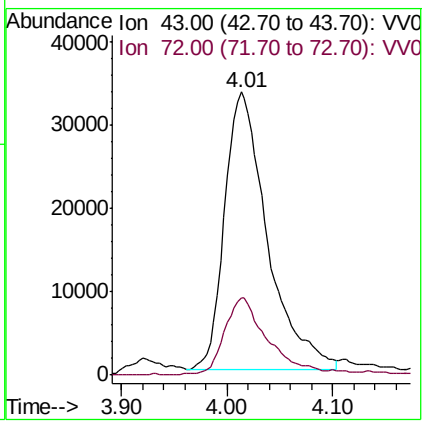


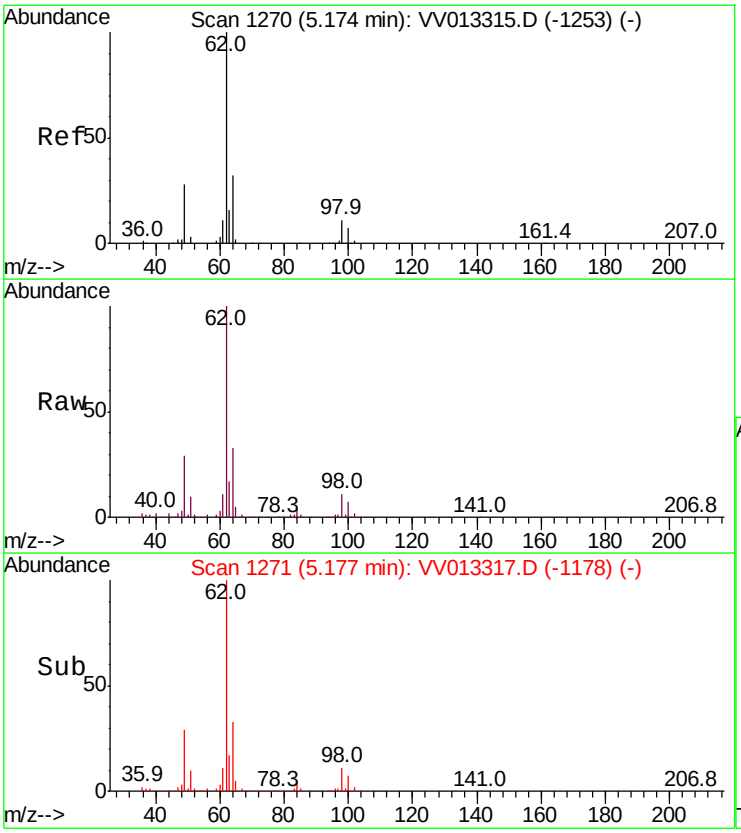
#22
2-Butanone
Concen: 15.497 ug/L
RT: 4.01 min Scan# 909
Delta R.T. -0.02 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 43 Resp: 93398

Ion	Ratio	Lower	Upper
43	100		
72	27.8	13.0	38.9

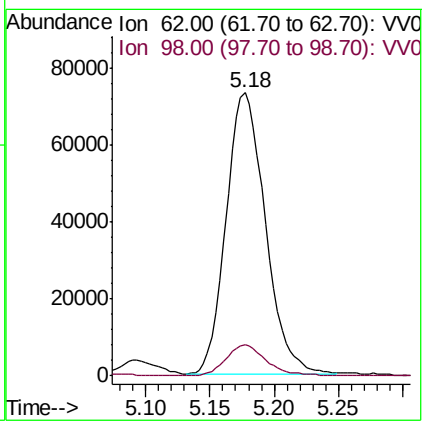


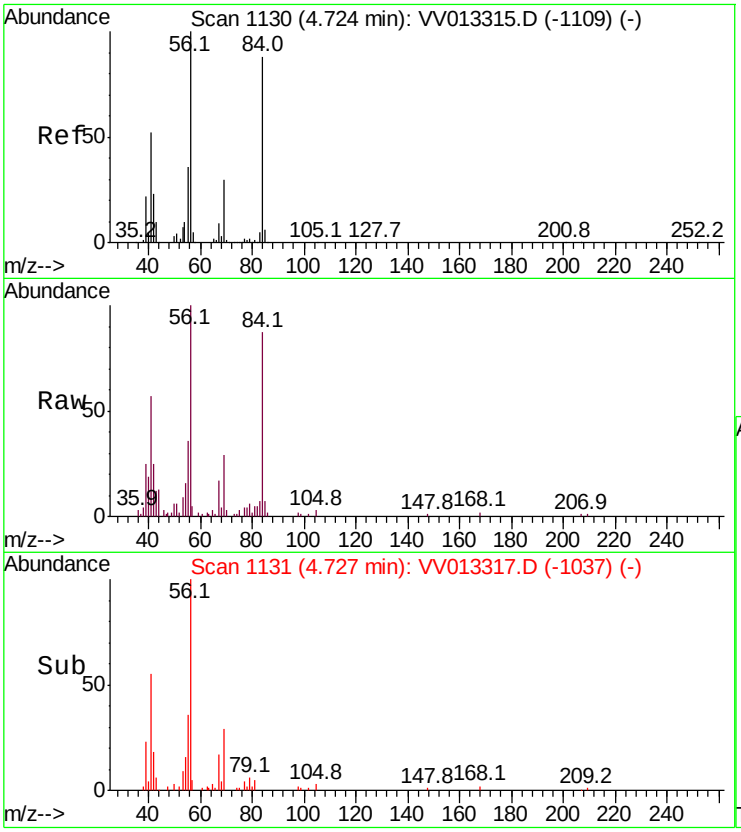


#27
1,2-Dichloroethane
Concen: 12.867 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion: 62 Resp: 155141

Ion	Ratio	Lower	Upper
62	100		
98	10.9	8.5	12.7



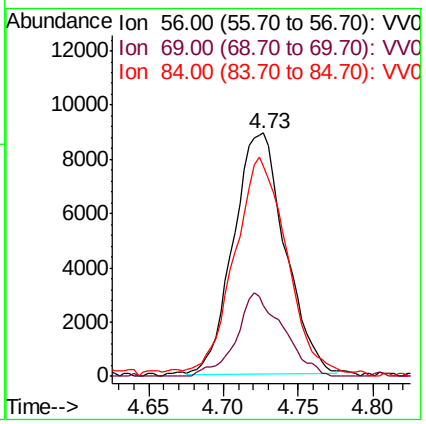


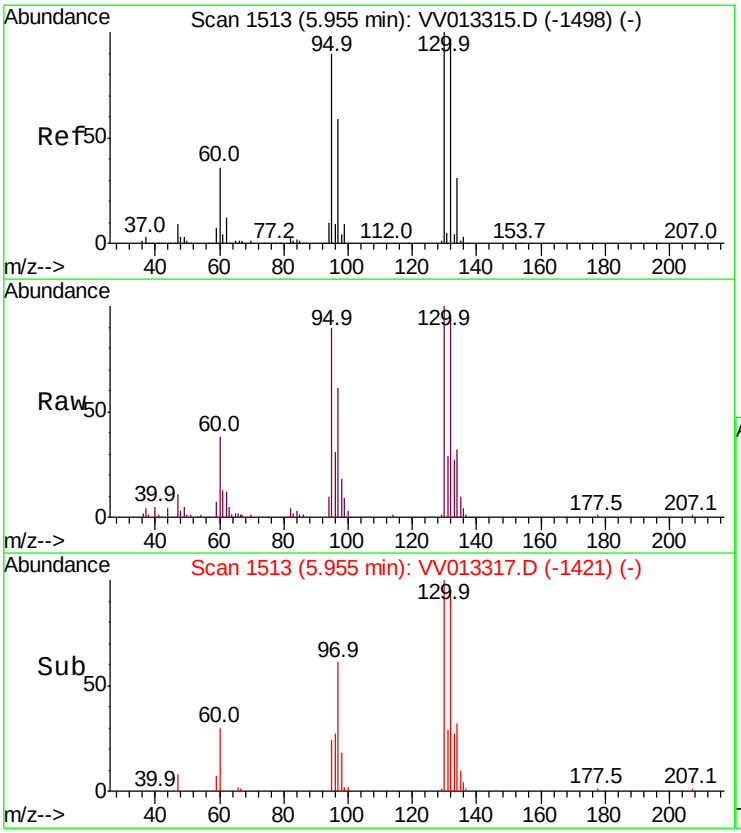
#29
Cyclohexane
Concen: 1.475 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 56 Resp: 21240

Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.4	36.6
84	91.3	70.5	105.7

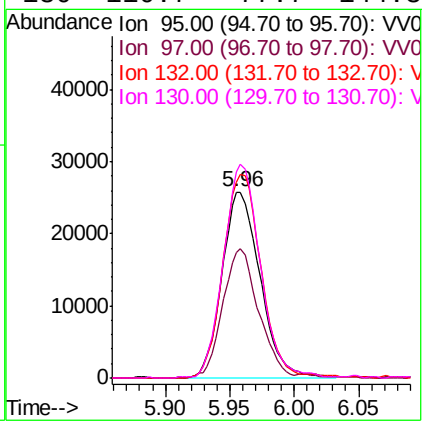


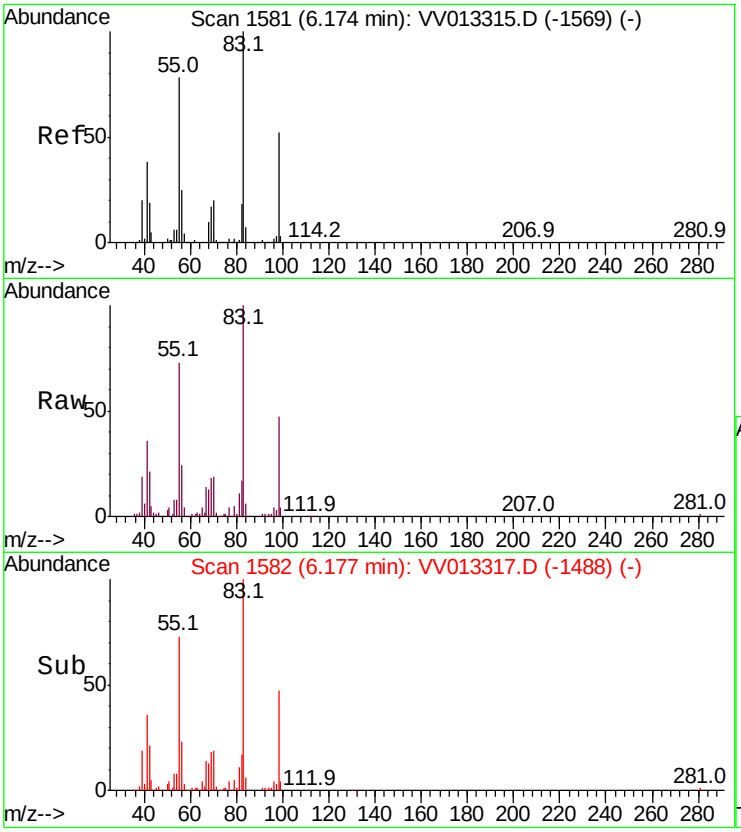


#34
Trichloroethene
Concen: 5.366 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion: 95 Resp: 53032

Ion	Ratio	Lower	Upper
95	100		
97	67.8	45.3	84.1
132	105.6	75.5	140.1
130	110.7	77.7	144.3



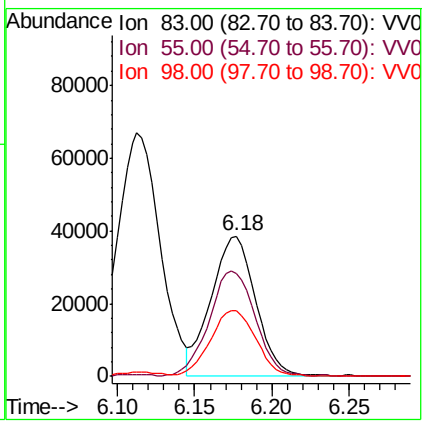


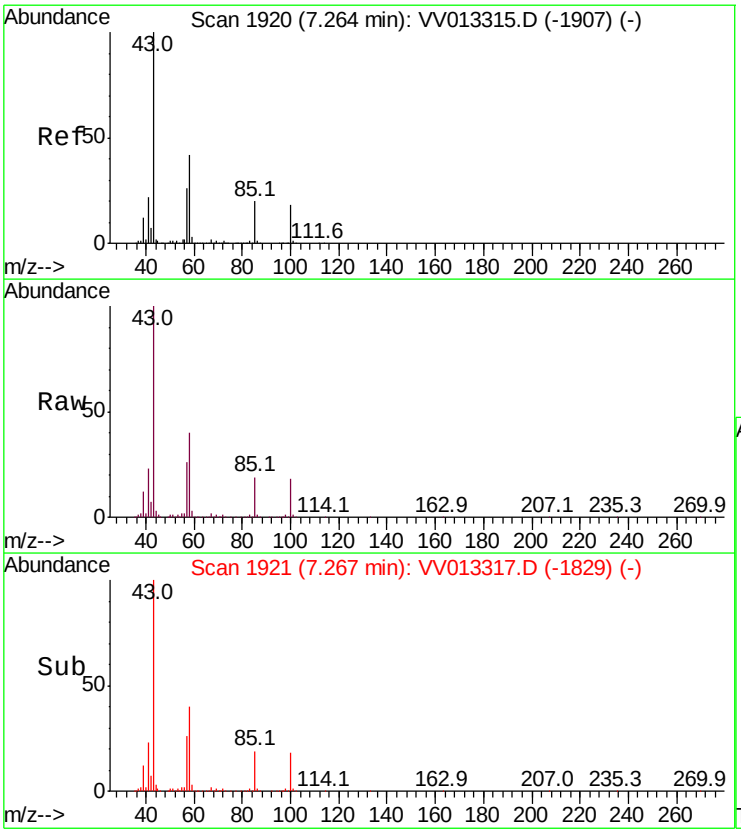
#35
Methylcyclohexane
Concen: 5.106 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 83 Resp: 76706

Ion	Ratio	Lower	Upper
83	100		
55	77.3	59.0	88.4
98	48.7	39.3	58.9

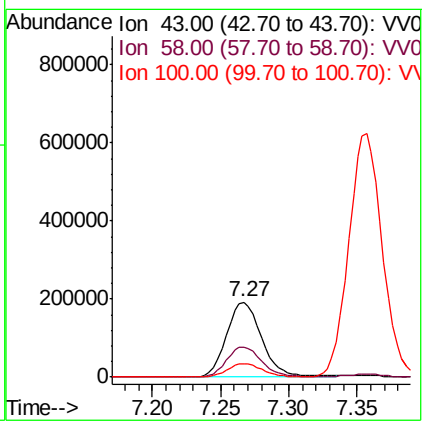


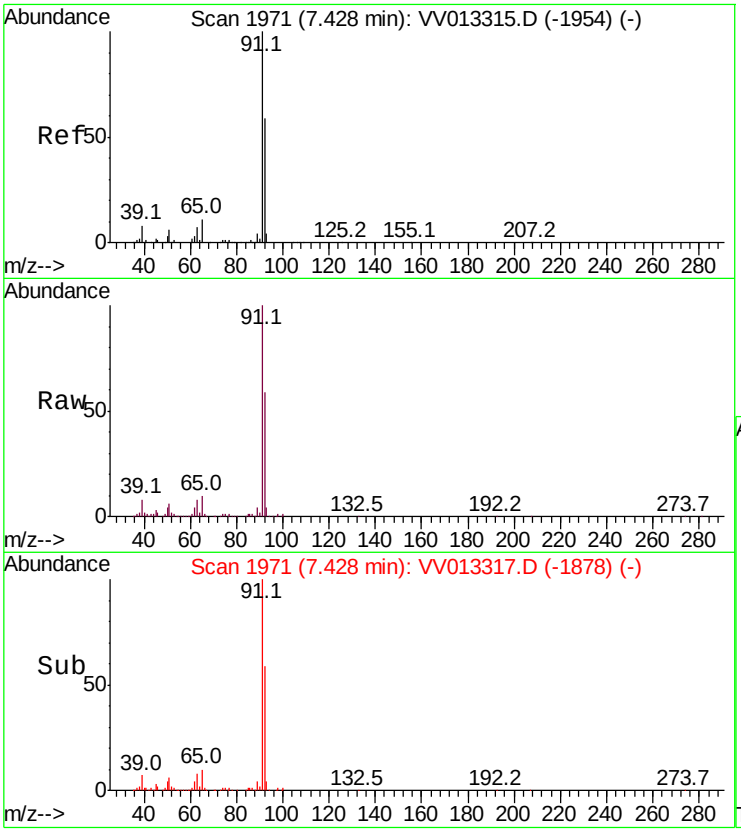


#40
4-Methyl-2-pentanone
Concen: 29.284 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion: 43 Resp: 346010

Ion	Ratio	Lower	Upper
43	100		
58	40.4	33.0	49.4
100	18.1	13.8	20.6



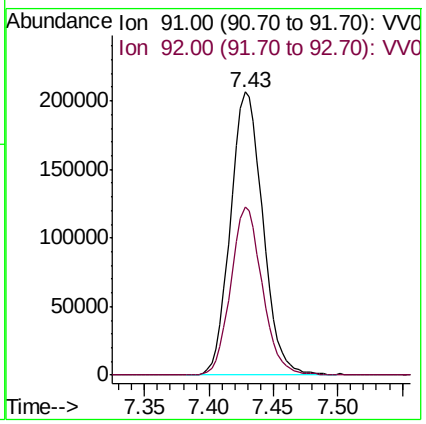


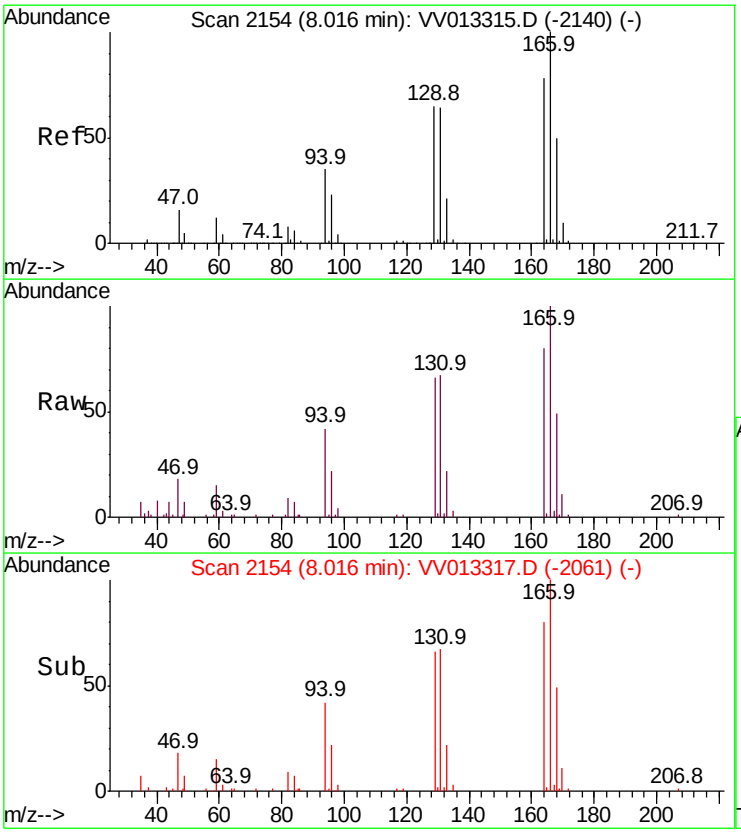
#42
Toluene
Concen: 9.336 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 91 Resp: 361291

Ion	Ratio	Lower	Upper
91	100		
92	59.5	41.4	77.0

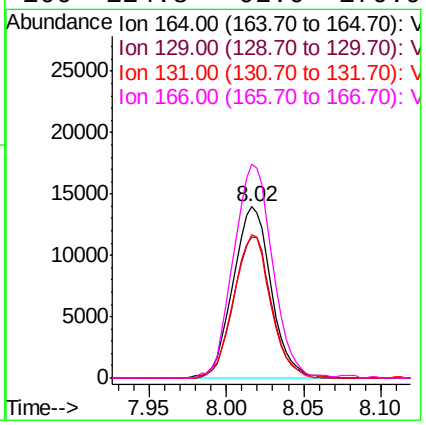


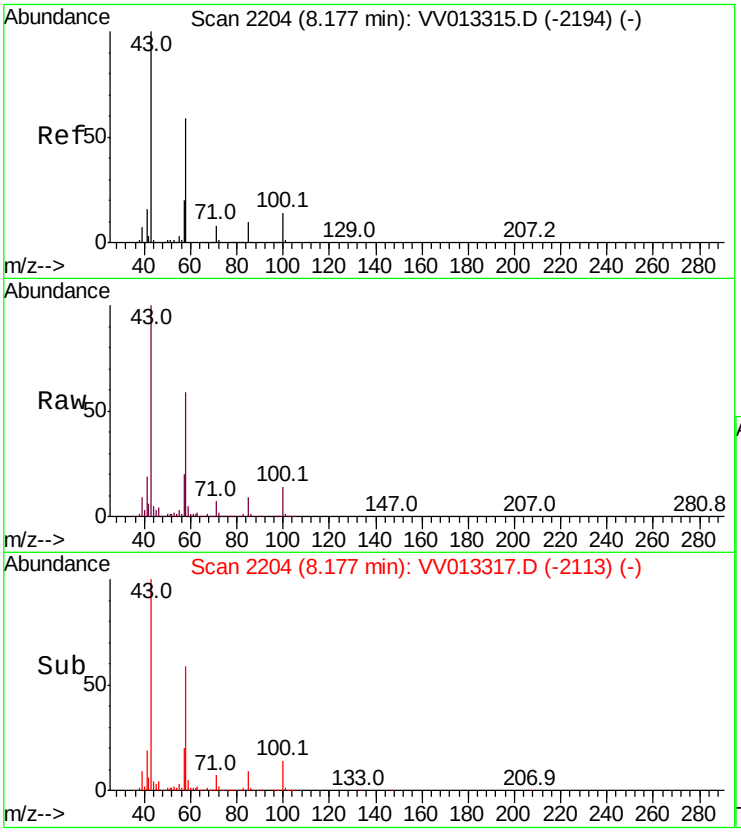


#46
Tetrachloroethene
Concen: 2.715 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion:164 Resp: 23931

Ion	Ratio	Lower	Upper
164	100		
129	82.2	59.7	110.9
131	83.9	59.2	110.0
166	124.8	92.0	170.9



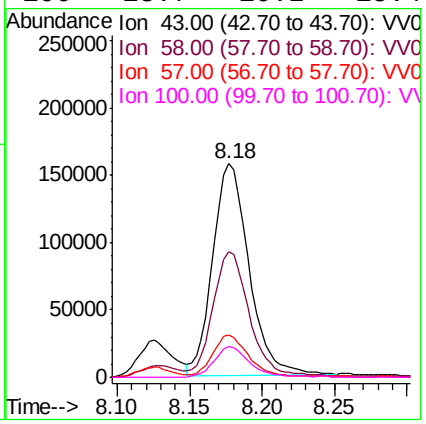


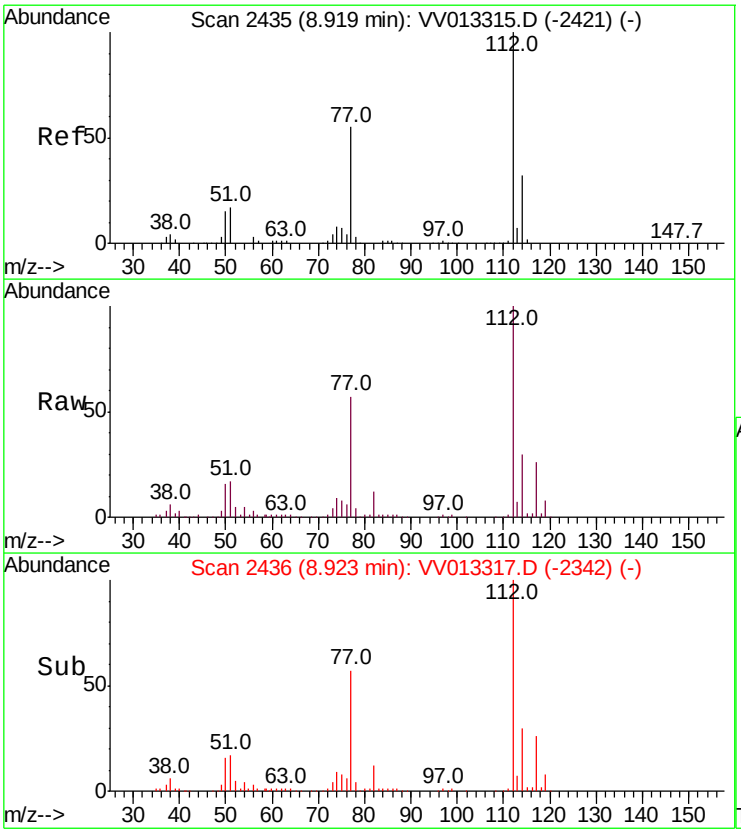
#48
2-Hexanone
Concen: 28.458 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 43 Resp: 272941

Ion	Ratio	Lower	Upper
43	100		
58	57.6	47.0	70.6
57	19.0	13.8	20.8
100	13.7	10.2	15.4

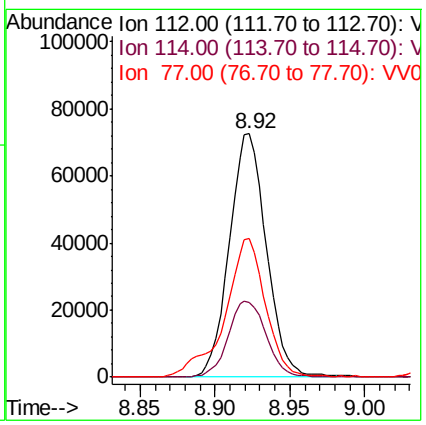


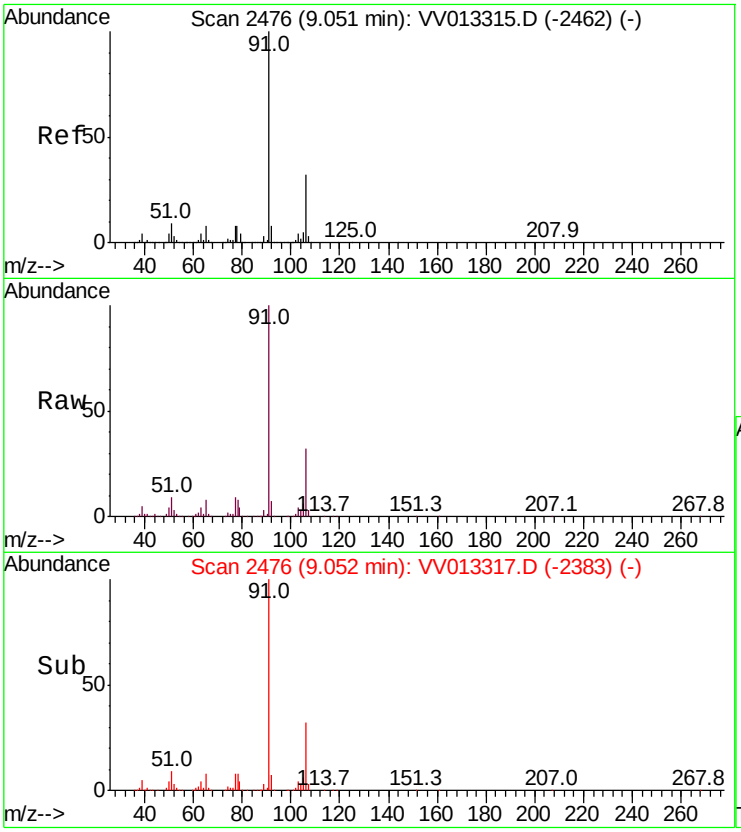


#51
Chlorobenzene
Concen: 4.753 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion:112 Resp: 125079

Ion	Ratio	Lower	Upper
112	100		
114	30.5	22.7	42.3
77	56.7	42.5	63.7



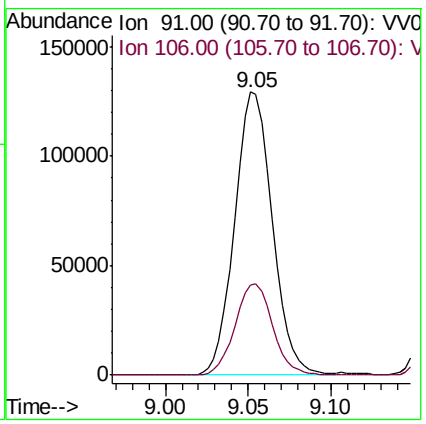


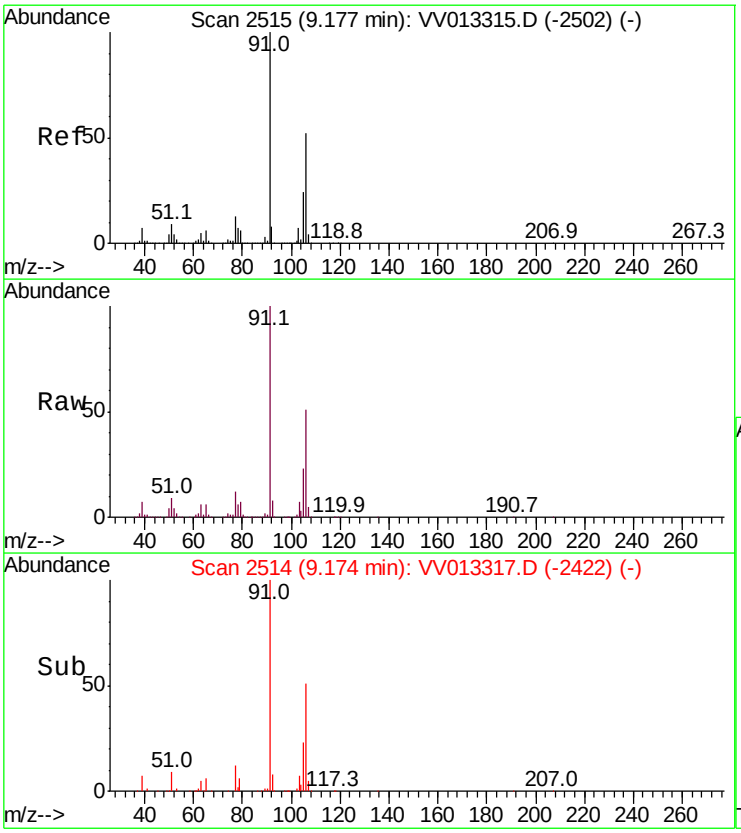
#52
Ethylbenzene
Concen: 5.018 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 91 Resp: 205165

Ion	Ratio	Lower	Upper
91	100		
106	31.8	22.0	40.8

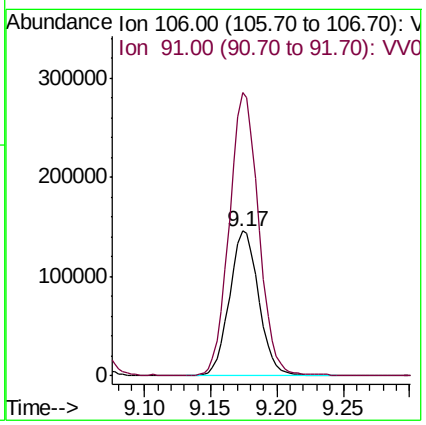


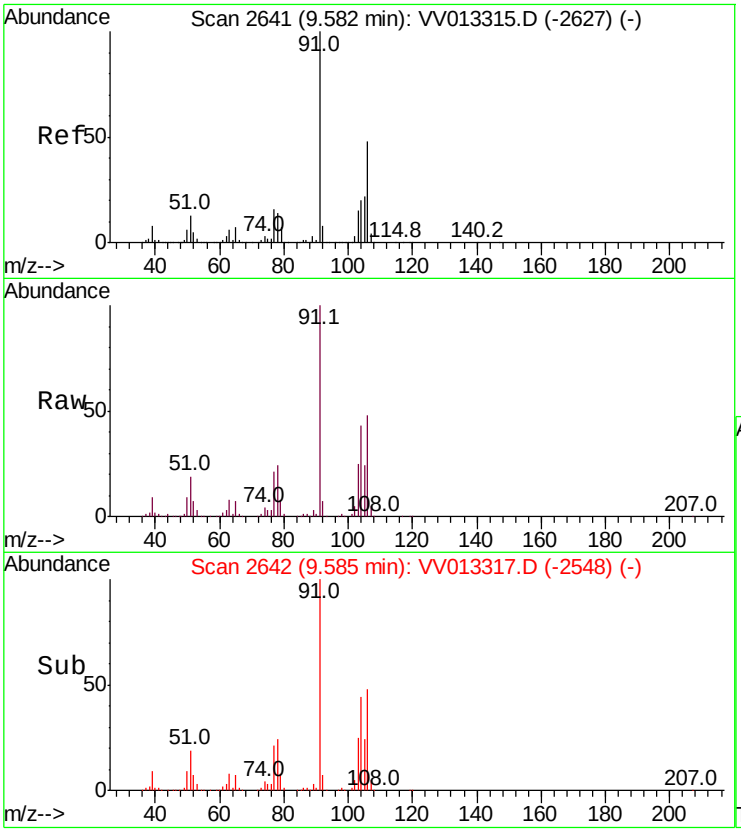


#53
m,p-Xylene
Concen: 14.123 ug/L
RT: 9.17 min Scan# 2514
Delta R.T. -0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion:106 Resp: 224246

Ion	Ratio	Lower	Upper
106	100		
91	195.4	137.7	255.7



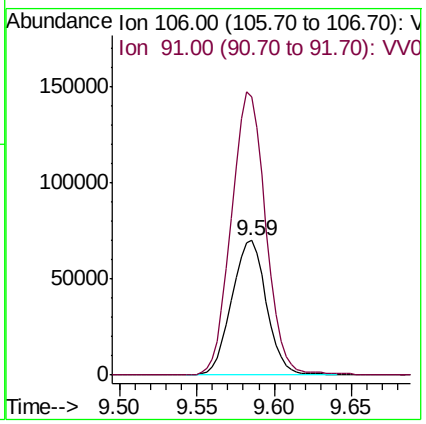


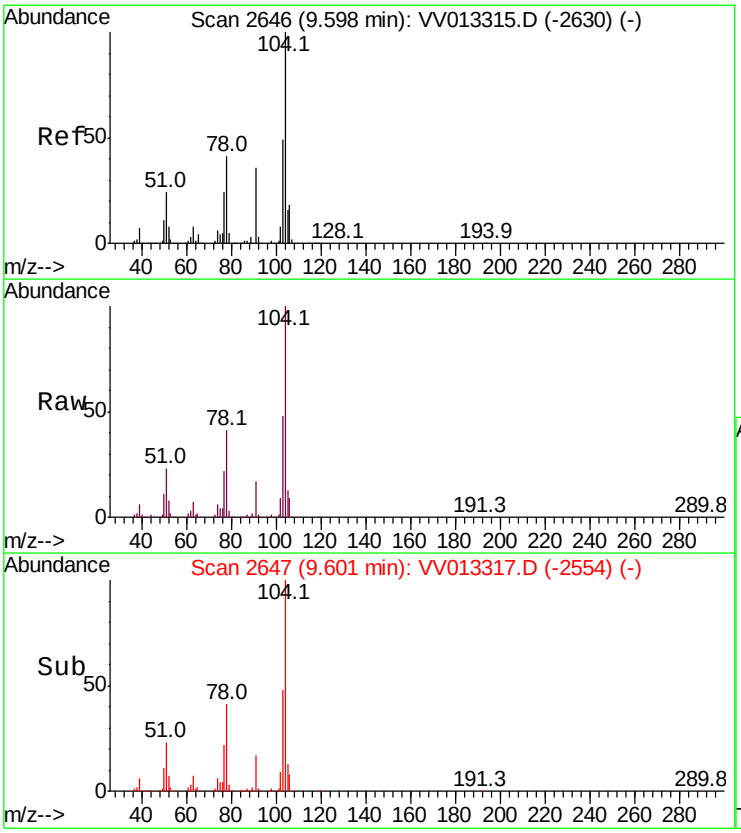
#54
o-xylene
Concen: 7.105 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:106 Resp: 110016

Ion	Ratio	Lower	Upper
106	100		
91	207.4	146.2	271.6

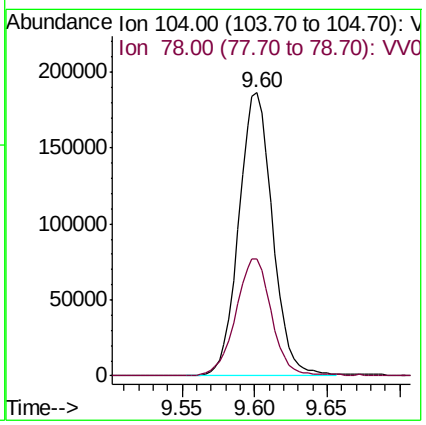


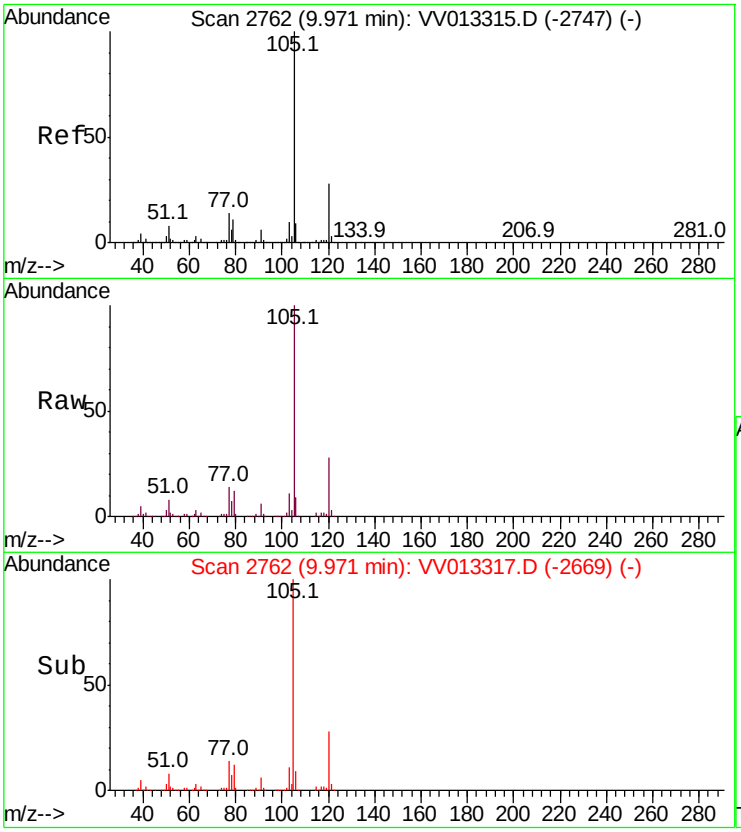


#55
Styrene
Concen: 11.488 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion:104 Resp: 301683

Ion	Ratio	Lower	Upper
104	100		
78	41.1	28.9	53.7



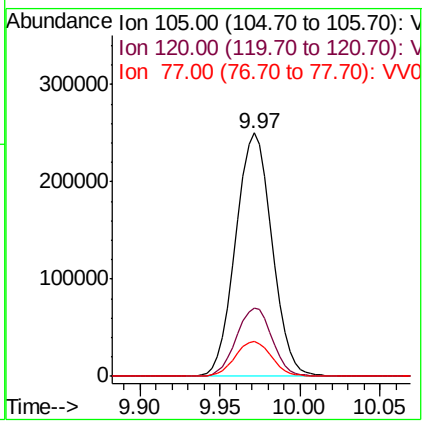


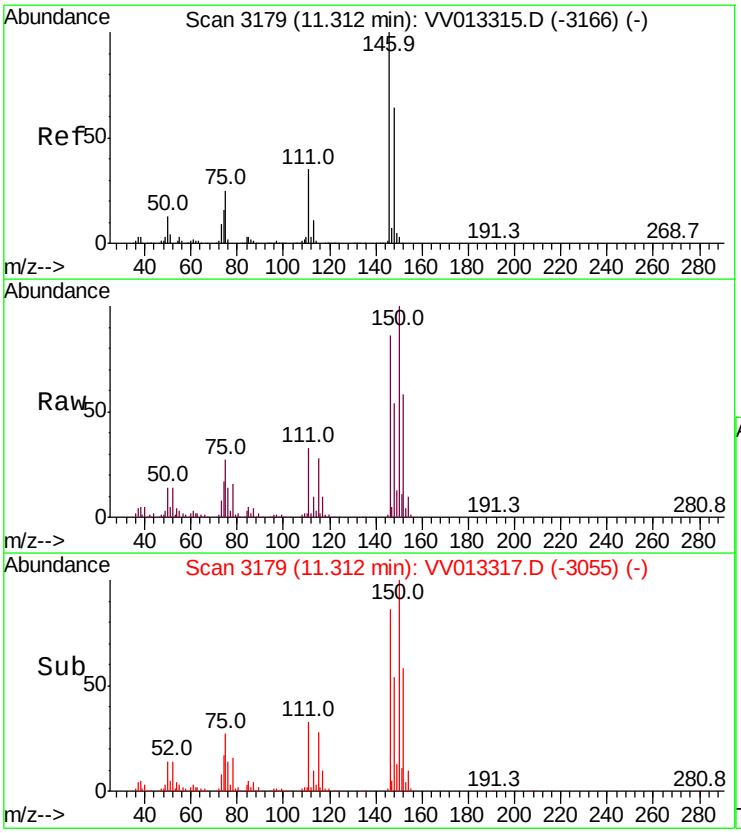
#56
Isopropylbenzene
Concen: 9.813 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:105 Resp: 388215

Ion	Ratio	Lower	Upper
105	100		
120	27.7	21.7	32.5
77	14.5	11.6	17.4

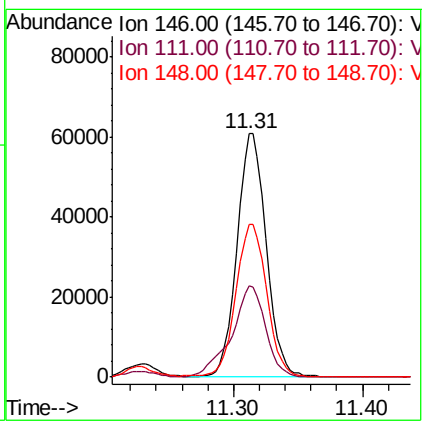


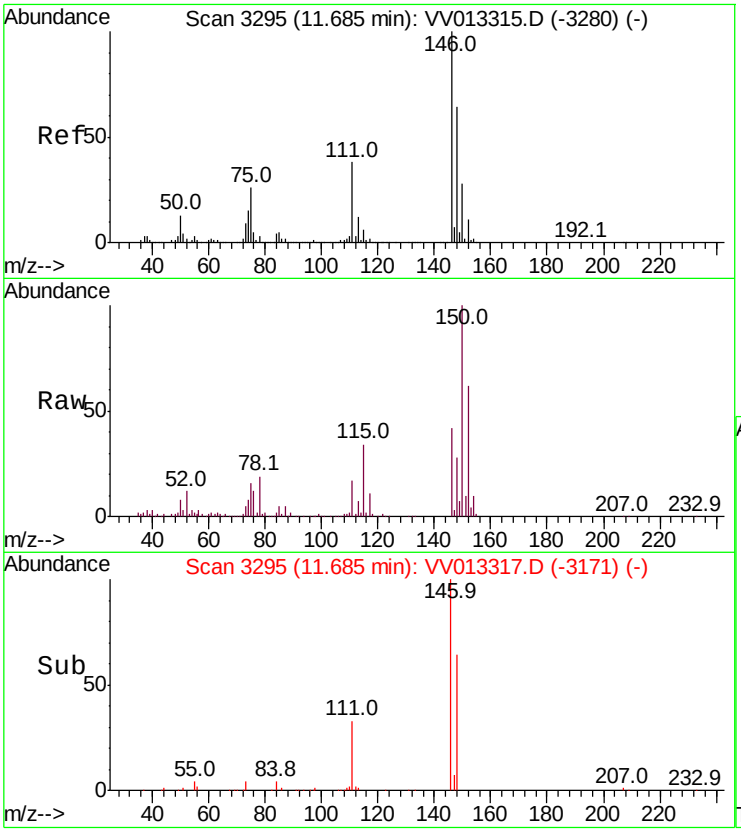


#63
1,4-Dichlorobenzene
Concen: 4.659 ug/L
RT: 11.31 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion:146 Resp: 95568

Ion	Ratio	Lower	Upper
146	100		
111	37.8	24.5	45.5
148	62.9	45.0	83.6



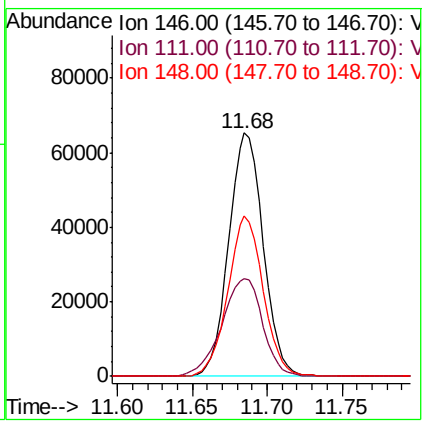


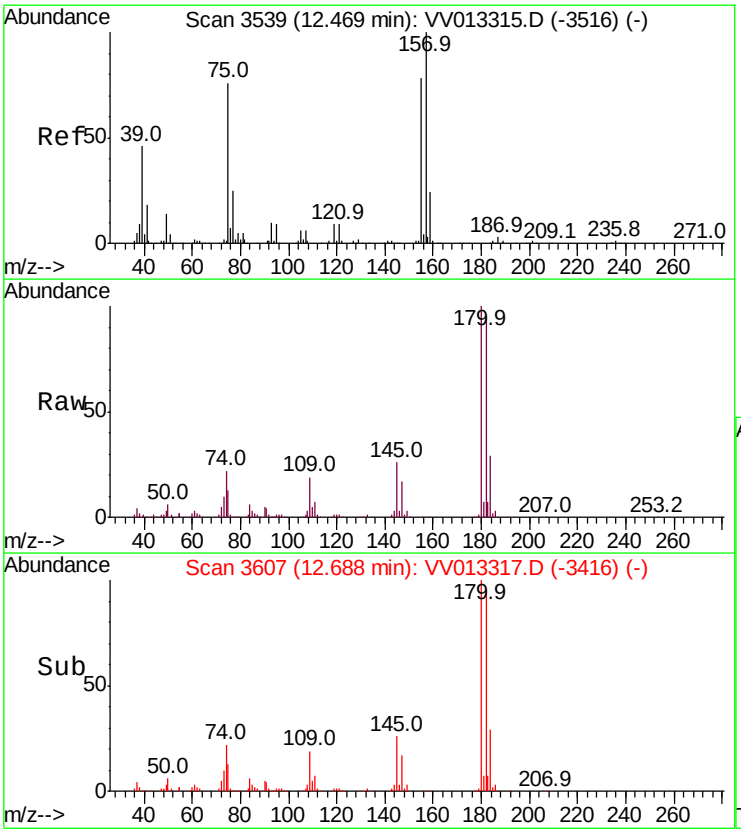
#65
1,2-Dichlorobenzene
Concen: 5.153 ug/L
RT: 11.68 min Scan# 3295
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:146 Resp: 104912

Ion	Ratio	Lower	Upper
146	100		
111	40.0	30.7	46.1
148	65.7	52.0	78.0

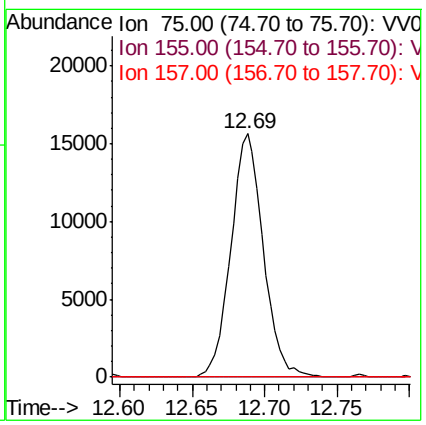


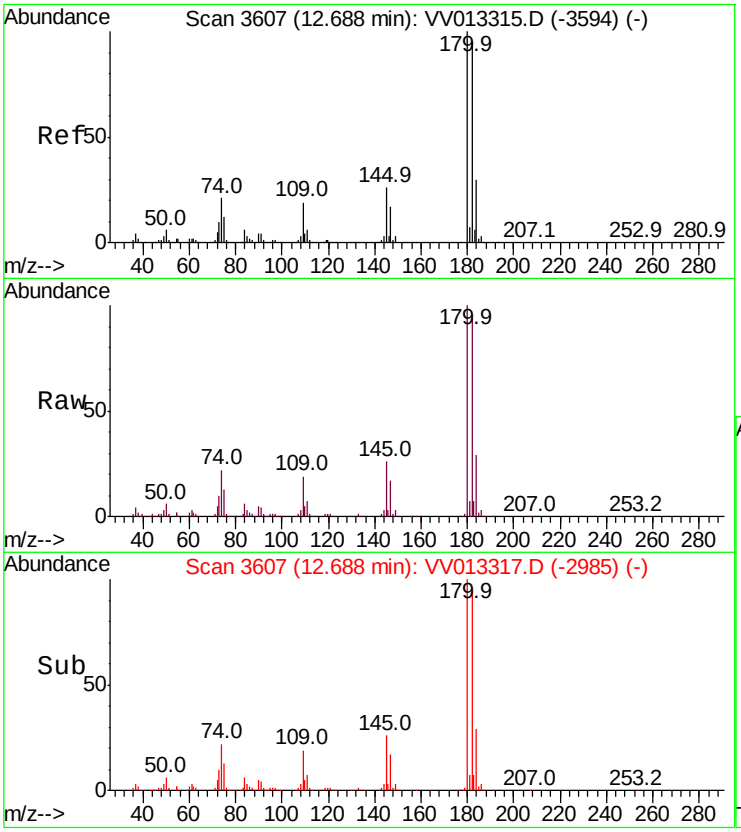


#66
1,2-Dibromo-3-chloropropane
Concen: 8.463 ug/L
RT: 12.69 min Scan# 3607
Delta R.T. 0.22 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion: 75 Resp: 24169

Ion	Ratio	Lower	Upper
75	100		
155	0.0	81.8	122.8#
157	0.0	105.4	158.2#



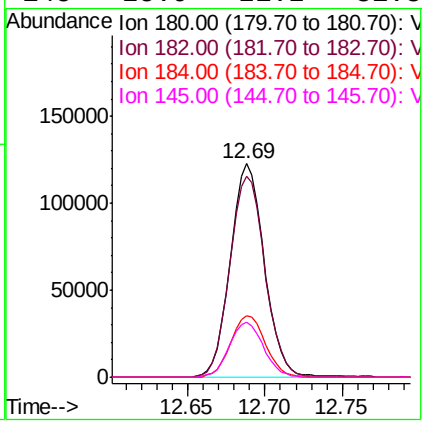


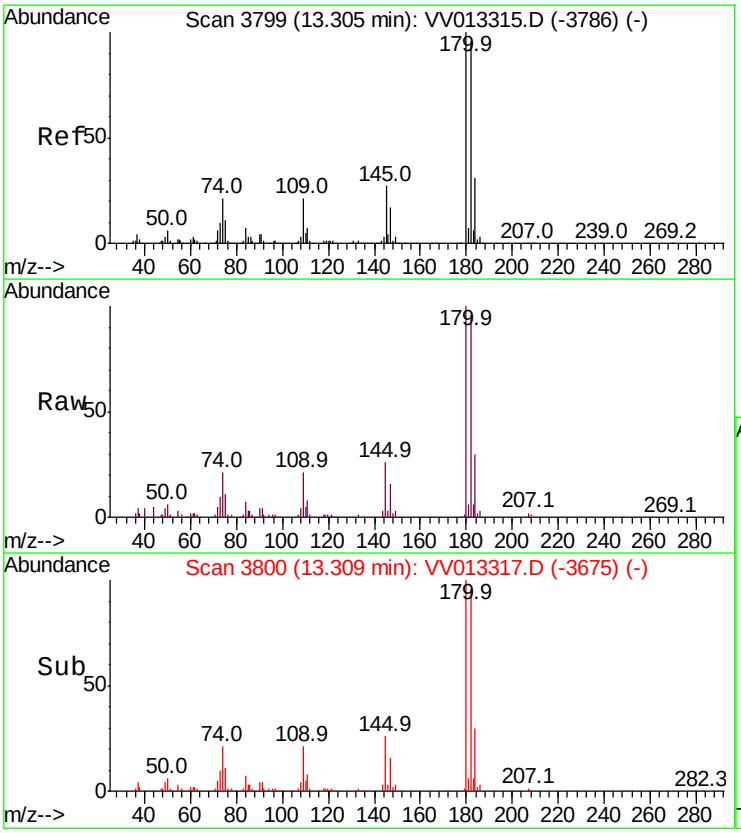
#67
1,3,5-Trichlorobenzene
Concen: 12.552 ug/L
RT: 12.69 min Scan# 3607
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:180 Resp: 186703

Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.3	114.5
184	29.8	24.8	37.2
145	25.9	21.2	31.8

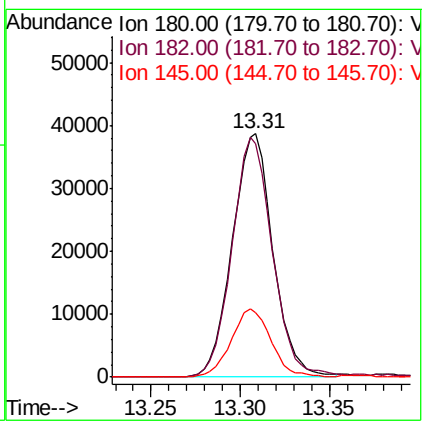


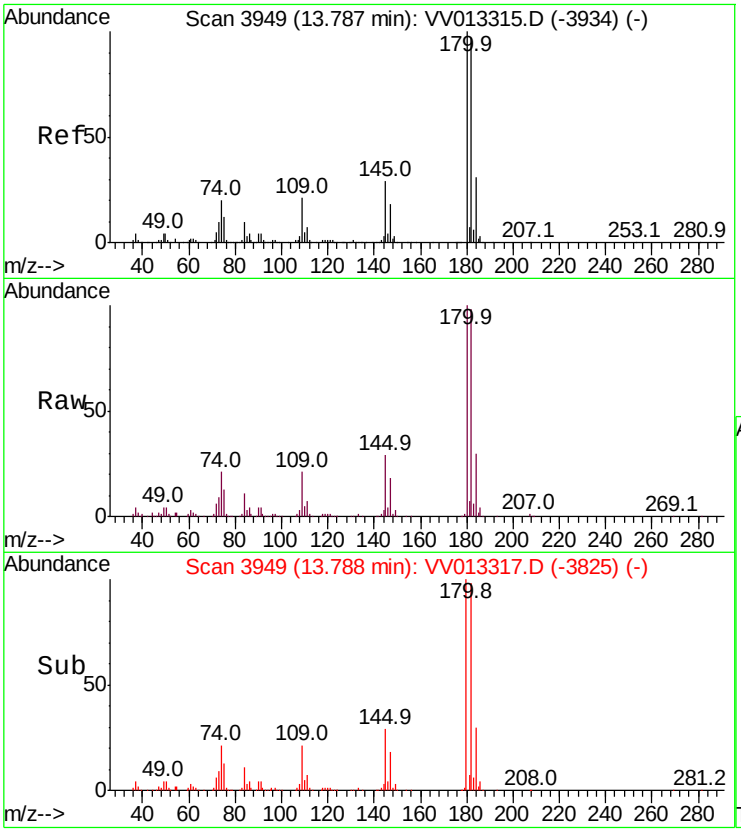


#68
1,2,4-trichlorobenzene
Concen: 4.934 ug/L
RT: 13.31 min Scan# 3800
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Tgt Ion:180 Resp: 61589

Ion	Ratio	Lower	Upper
180	100		
182	98.0	77.3	115.9
145	27.3	21.7	32.5





#70
1,2,3-Trichlorobenzene
Concen: 14.582 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV013317.D
Acq: 24 Oct 2019 15:26

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:180 Resp: 195008

Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.0	115.6
145	27.8	23.4	35.2