Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073119\
Data File : VU033497.D
Acq On : 30 Jul 2019 16:54
Operator : JC/SP
Sample : VIBLK40
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK40

Quant Time: Jul 31 08:18:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:02:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	349690	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	339829	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	167349	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	117691	46.29	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 92.58%			
7) Chloroethane-d5	1.67	69	110011	50.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.86%			
11) 1,1-Dichloroethene-d2	2.26	63	153847	33.34	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.68%			
21) 2-Butanone-d5	4.16	46	163931	97.35	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery = 97.35%			
24) Chloroform-d	4.62	84	192647	45.20	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.40%			
26) 1,2-Dichloroethane-d4	5.29	65	125742	46.59	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.18%			
32) Benzene-d6	5.32	84	401591	47.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.34%			
36) 1,2-Dichloropropane-d6	6.31	67	127477	48.27	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 96.54%			
41) Toluene-d8	7.55	98	368269	46.65	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.30%			
43) trans-1,3-Dichloropropene-	7.83	79	61407	46.88	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 93.76%			
47) 2-Hexanone-d5	8.30	63	123476	98.48	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 98.48%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	185294	45.50	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 91.00%			
64) 1,2-Dichlorobenzene-d4	11.84	152	146821	47.91	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.82%			
Target Compounds						Qvalue
14) Carbon disulfide	2.46	76	12508	1.761	ug/L #	94
17) trans-1,2-Dichloroethene	2.97	96	1989	0.838	ug/L	87
42) Toluene	7.62	91	3772	0.358	ug/L	92
46) Tetrachloroethene	8.22	164	1469	0.696	ug/L	79
51) Chlorobenzene	9.10	112	3745	0.543	ug/L	95
52) Ethylbenzene	9.24	91	5188	0.457	ug/L	98
53) m,p-Xylene	9.36	106	2335	0.536	ug/L	72
55) Styrene	9.78	104	3848	0.536	ug/L	98
56) Isopropylbenzene	10.15	105	5203	0.471	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	7253	1.411	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	8532	1.598	ug/L	92
65) 1,2-Dichlorobenzene	11.86	146	6758	1.300	ug/L #	94
66) 1,2-Dibromo-3-chloropropan	12.65	75	1283	1.336	ug/L #	82
68) 1,2,4-trichlorobenzene	13.49	180	7267	2.051	ug/L	93
70) 1,2,3-Trichlorobenzene	13.98	180	9607	2.578	ug/L	91

Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU073119\
Data File : VU033497.D
Acq On : 30 Jul 2019 16:54
Operator : JC/SP
Sample : VIBLK40
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

Quant Time: Jul 31 08:18:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:02:52 2019
Response via : Initial Calibration

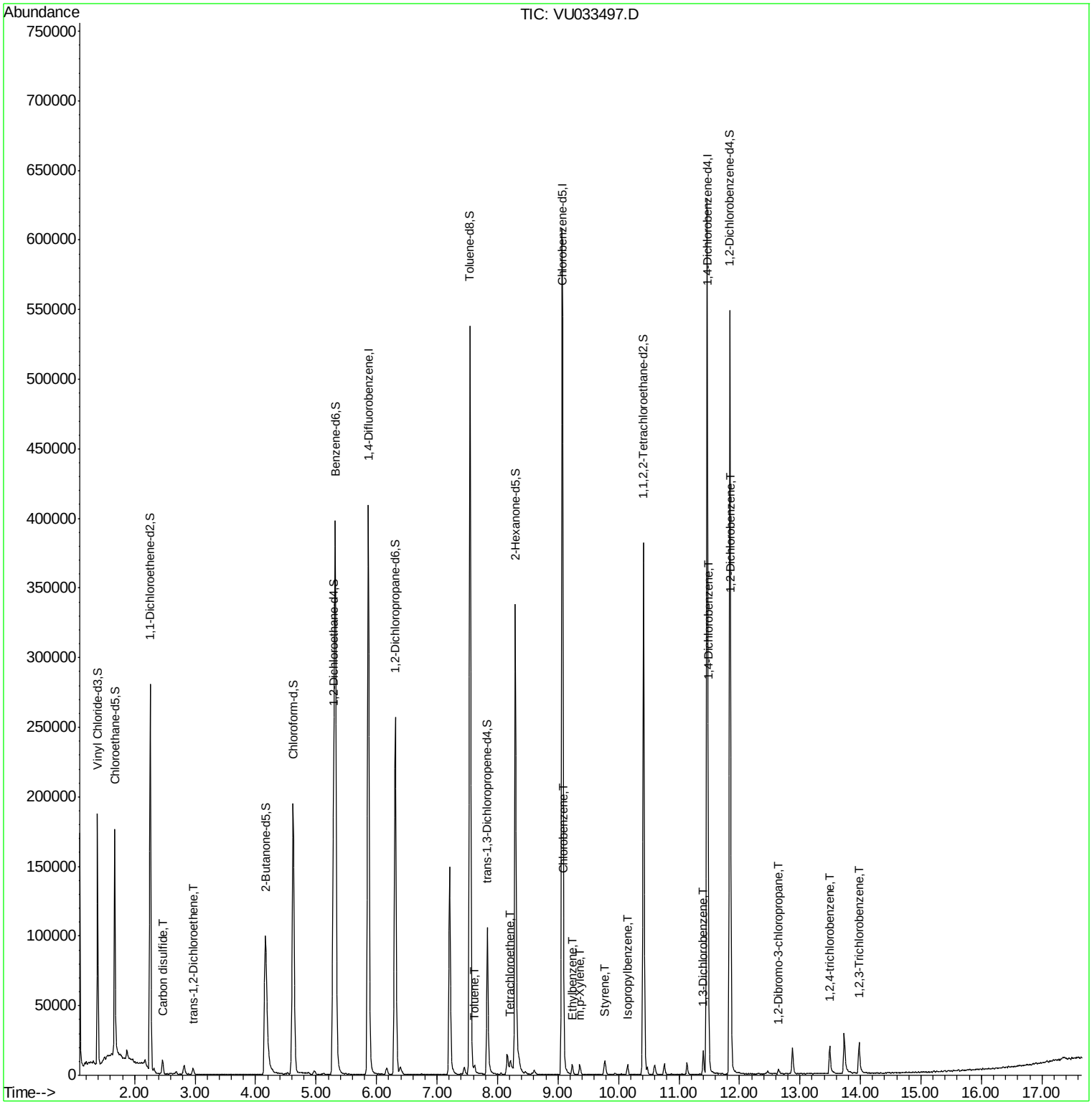
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

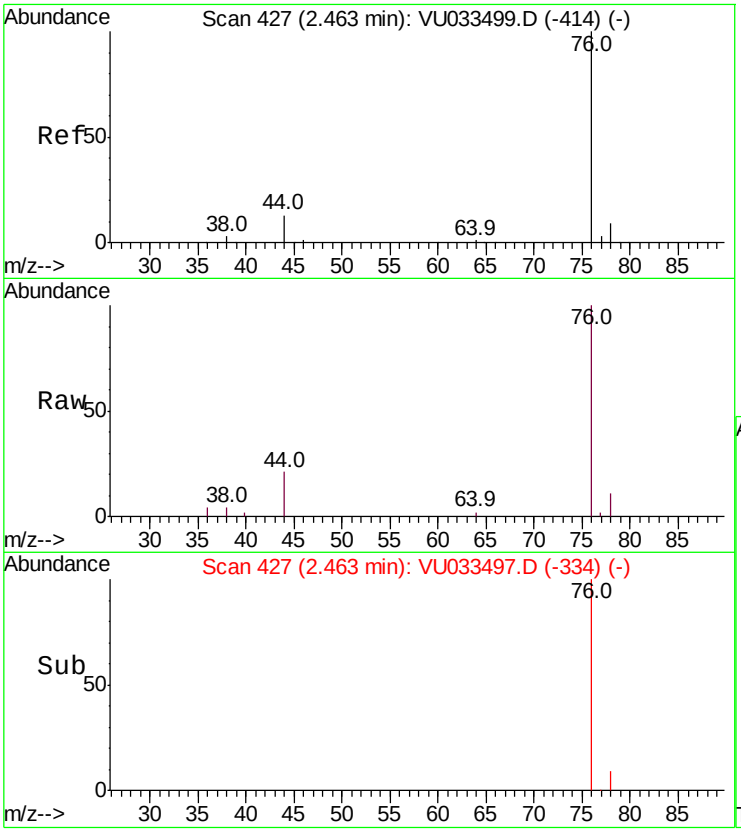
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073119\
Data File : VU033497.D
Acq On : 30 Jul 2019 16:54
Operator : JC/SP
Sample : VIBLK40
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VIBLK40

Quant Time: Jul 31 08:18:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:02:52 2019
Response via : Initial Calibration



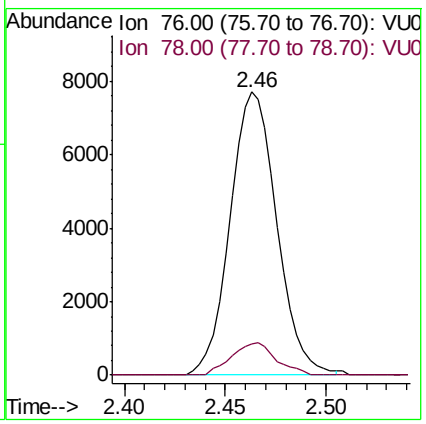


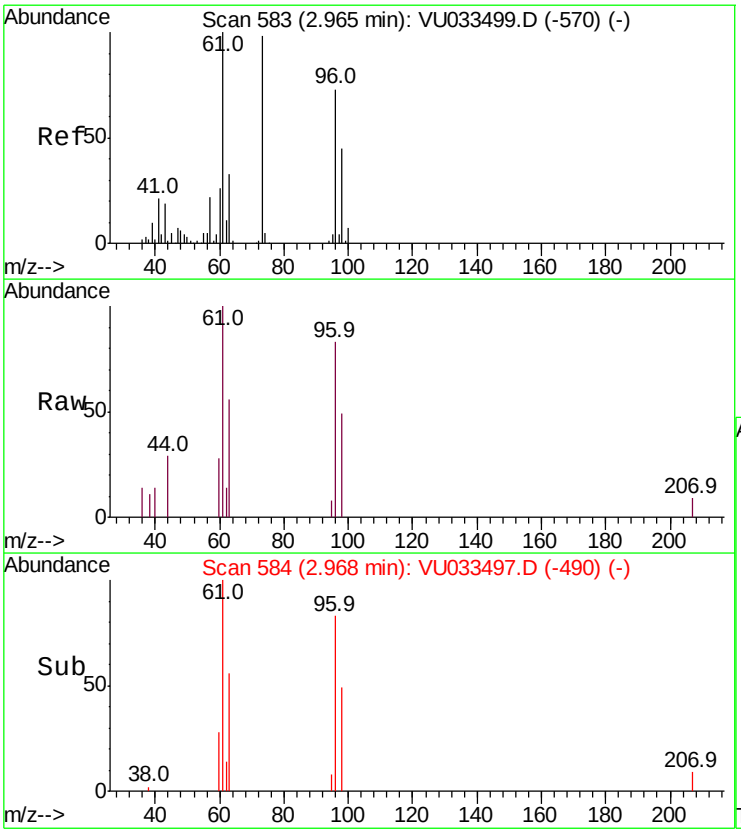
#14
Carbon disulfide
Concen: 1.761 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

Tgt Ion: 76 Resp: 12508

Ion	Ratio	Lower	Upper
76	100		
78	11.2	7.4	11.0#

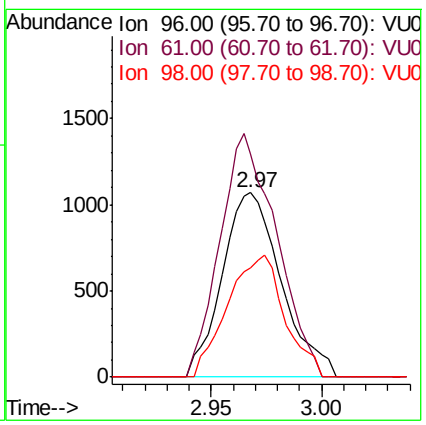


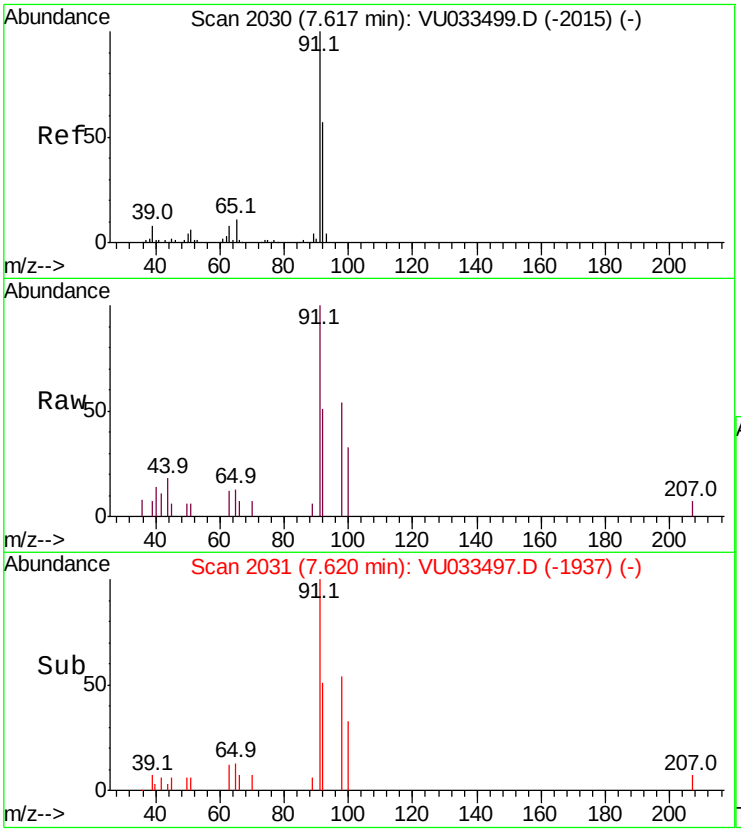


#17
trans-1,2-Dichloroethene
Concen: 0.838 ug/L
RT: 2.97 min Scan# 584
Delta R.T. 0.00 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Tgt Ion: 96 Resp: 1989

Ion	Ratio	Lower	Upper
96	100		
61	120.7	98.3	182.5
98	58.9	44.3	82.3



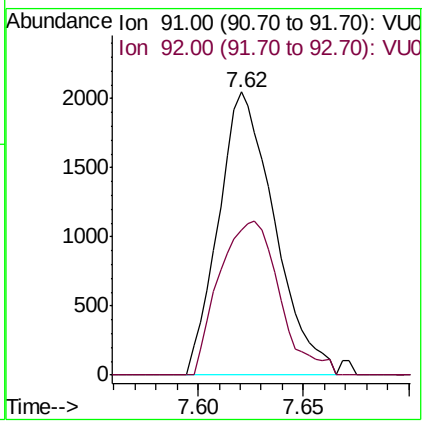


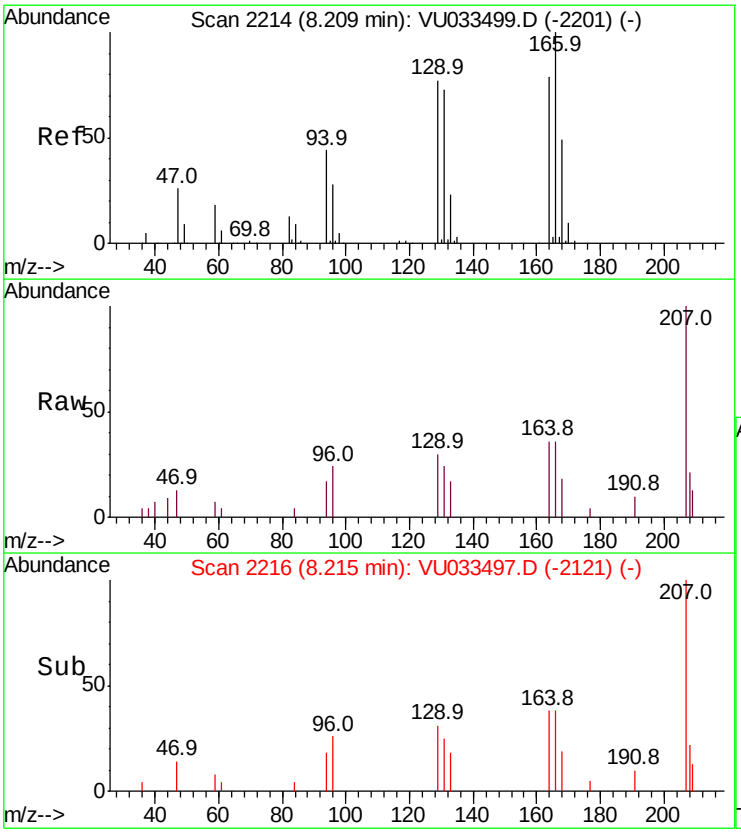
#42
Toluene
Concen: 0.358 ug/L
RT: 7.62 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Instrument : MSVOA_U
ClientSampleId : VIBLK40

Tgt Ion: 91 Resp: 3772

Ion	Ratio	Lower	Upper
91	100		
92	51.4	40.2	74.6

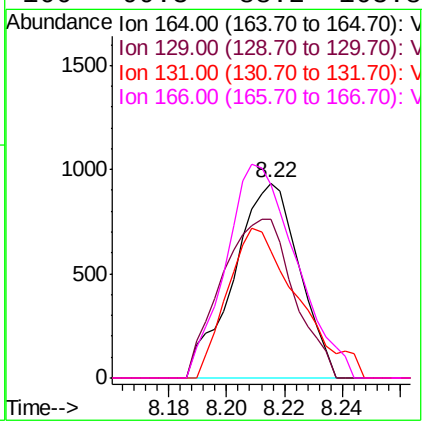


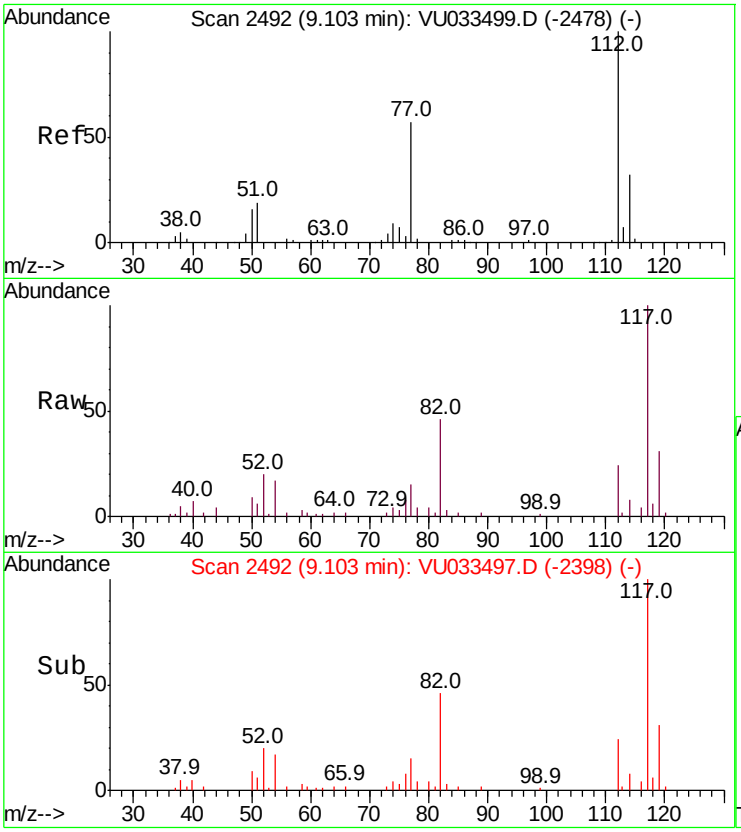


#46
Tetrachloroethene
Concen: 0.696 ug/L
RT: 8.22 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Tgt Ion:164 Resp: 1469

Ion	Ratio	Lower	Upper
164	100		
129	81.5	65.5	121.7
131	65.2	63.3	117.7
166	99.3	88.2	163.8



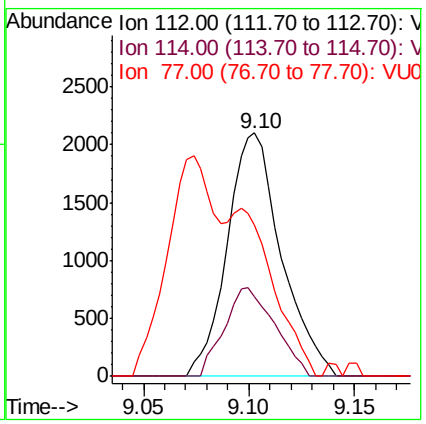


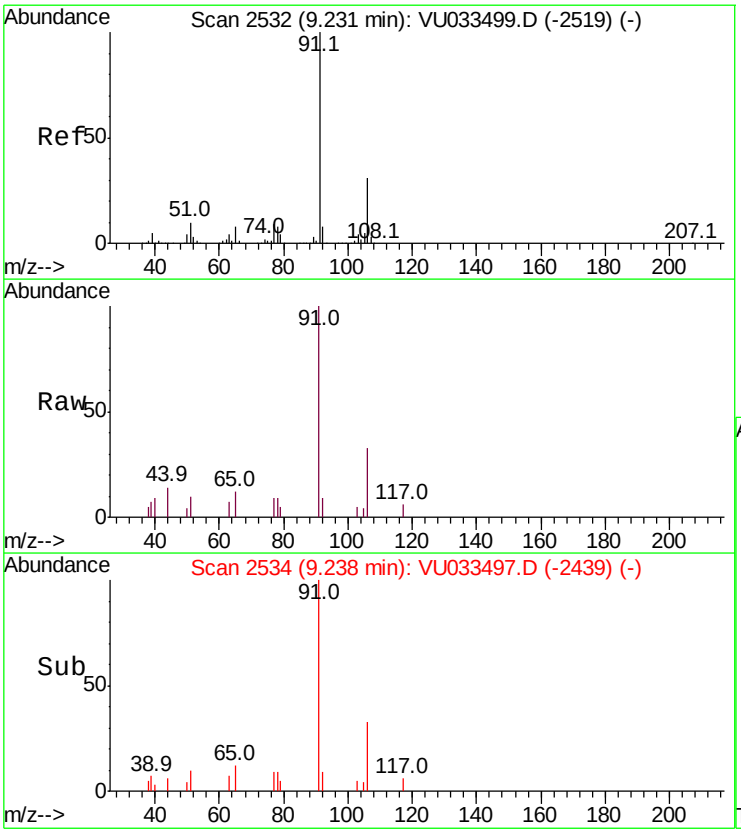
#51
Chlorobenzene
Concen: 0.543 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

Tgt Ion:112 Resp: 3745

Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.3	41.5
77	62.4	45.6	68.4

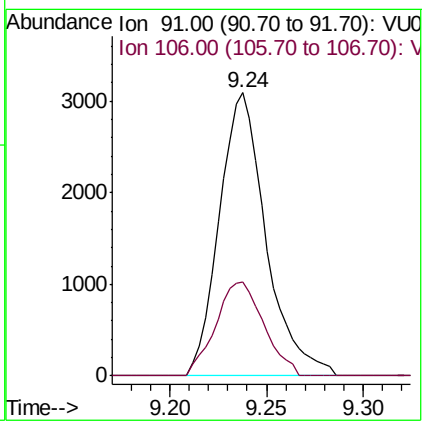


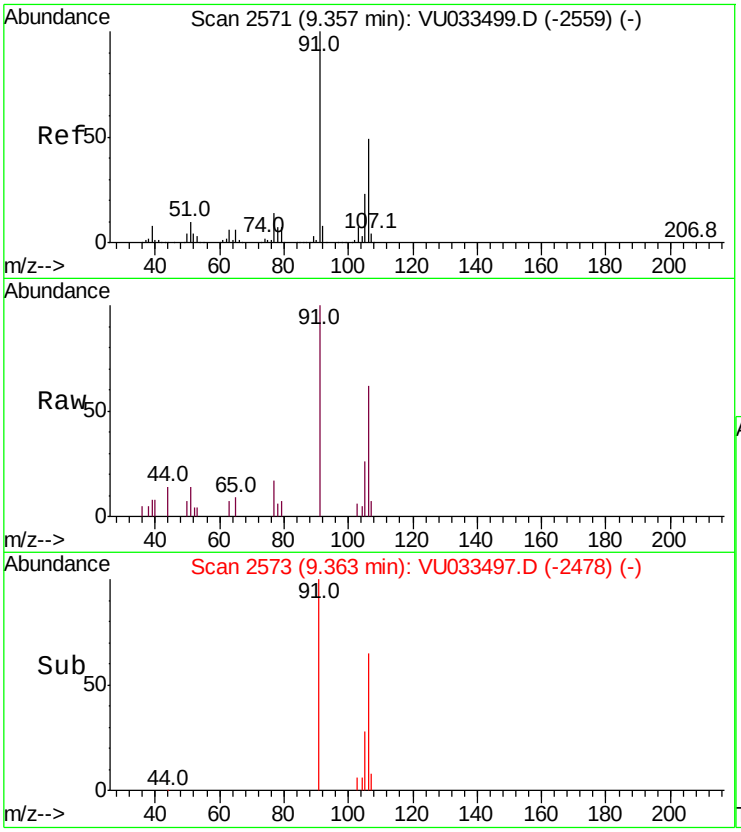


#52
Ethylbenzene
Concen: 0.457 ug/L
RT: 9.24 min Scan# 2534
Delta R.T. 0.01 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Tgt Ion: 91 Resp: 5188

Ion	Ratio	Lower	Upper
91	100		
106	33.0	22.2	41.2



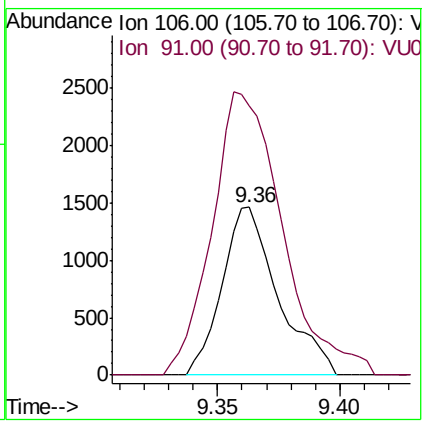


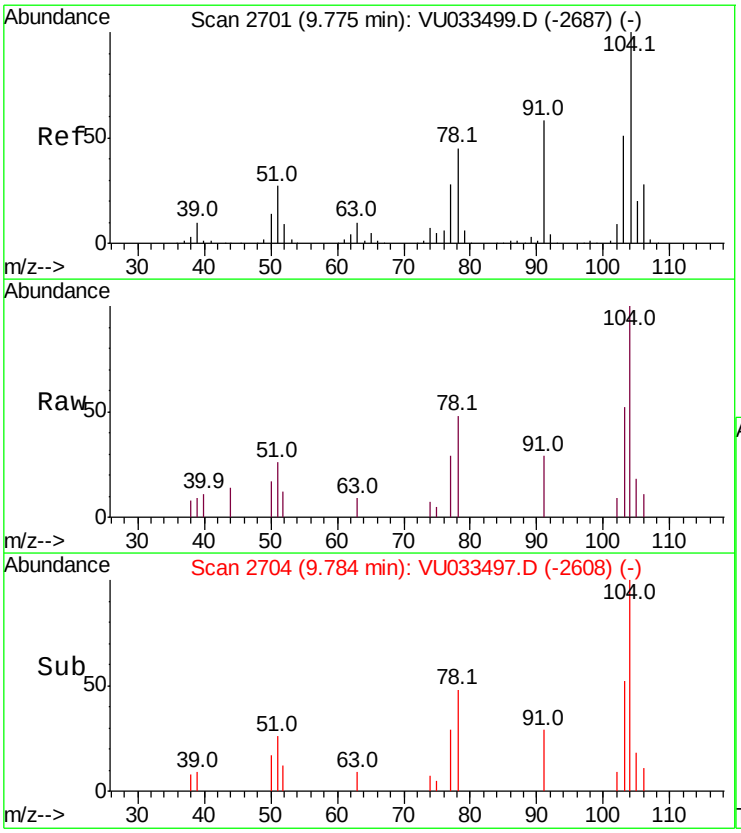
#53
m,p-Xylene
Concen: 0.536 ug/L
RT: 9.36 min Scan# 2573
Delta R.T. 0.01 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Instrument : MSVOA_U
ClientSampleId : VIBLK40

Tgt Ion:106 Resp: 2335

Ion	Ratio	Lower	Upper
106	100		
91	160.8	143.0	265.6

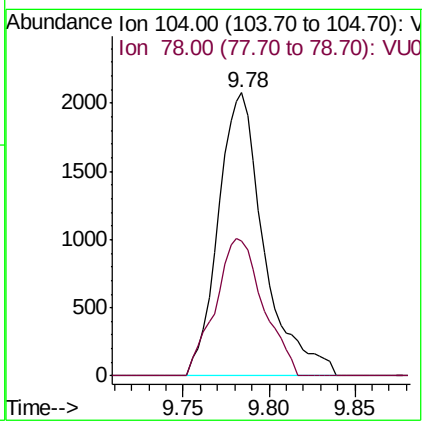


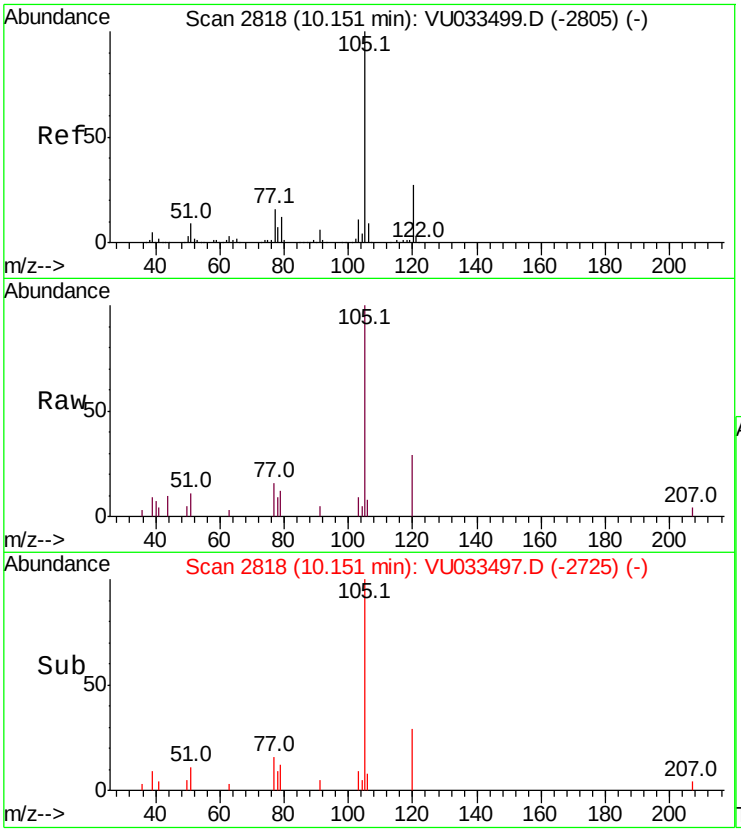


#55
Styrene
Concen: 0.536 ug/L
RT: 9.78 min Scan# 2704
Delta R.T. 0.01 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Tgt Ion:104 Resp: 3848

Ion	Ratio	Lower	Upper
104	100		
78	47.6	32.2	59.8



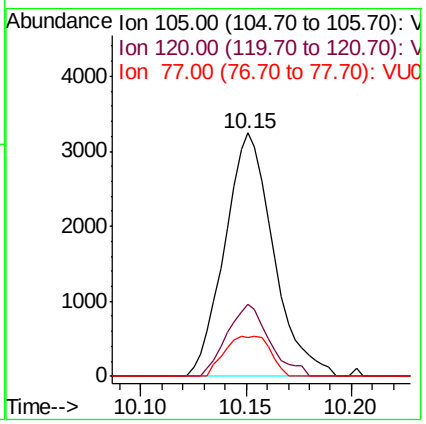


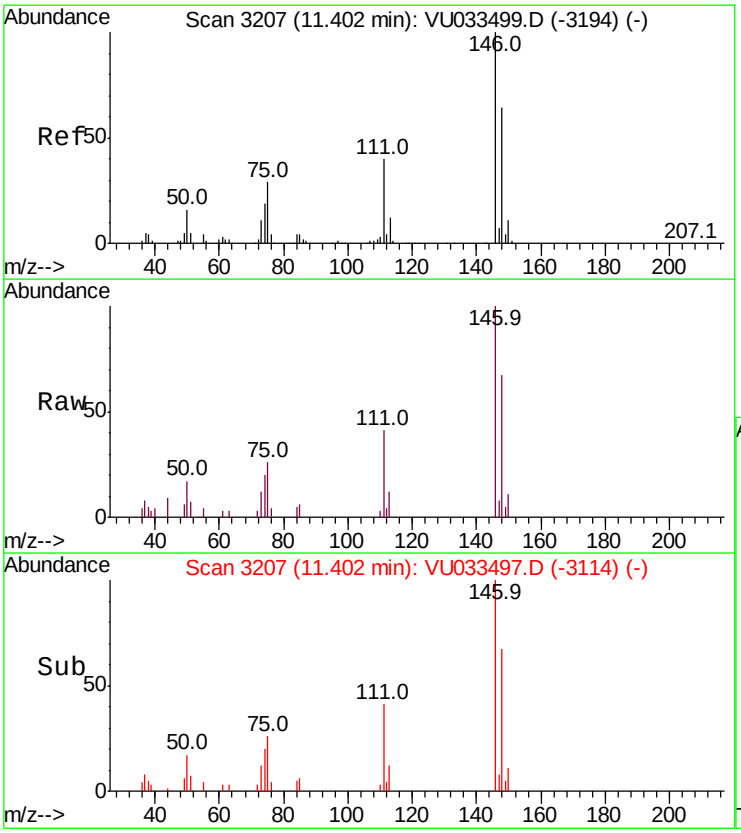
#56
Isopropylbenzene
Concen: 0.471 ug/L
RT: 10.15 min Scan# 2818
Delta R.T. 0.00 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

Tgt Ion:105 Resp: 5203

Ion	Ratio	Lower	Upper
105	100		
120	25.0	21.4	32.0
77	15.2	12.5	18.7

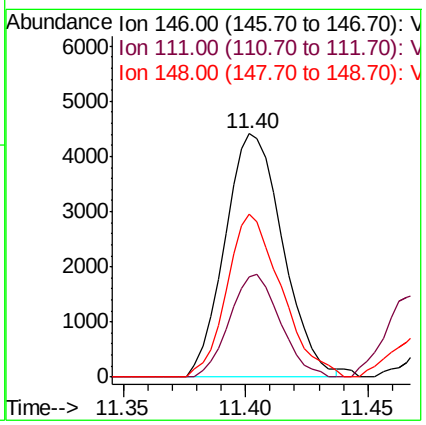


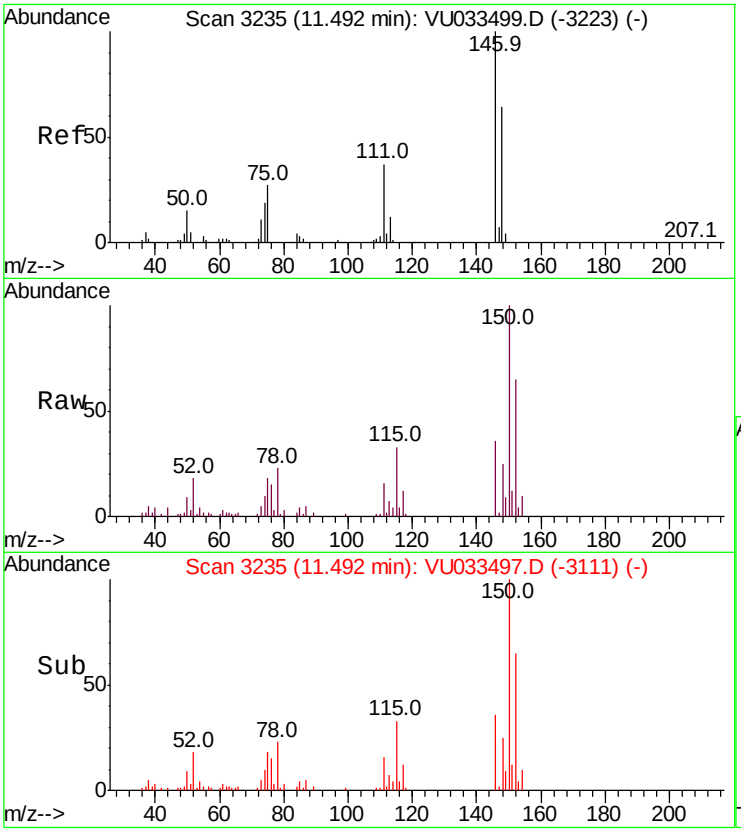


#62
1,3-Dichlorobenzene
Concen: 1.411 ug/L
RT: 11.40 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Tgt Ion:146 Resp: 7253

Ion	Ratio	Lower	Upper
146	100		
111	41.3	28.1	52.1
148	66.8	45.0	83.6



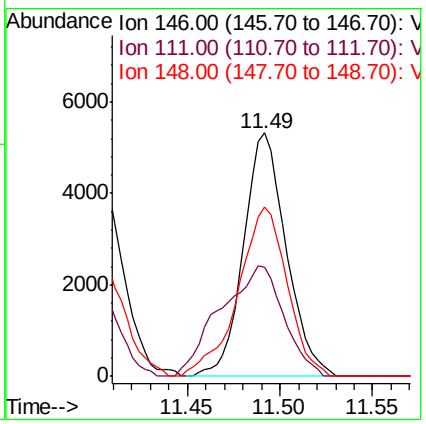


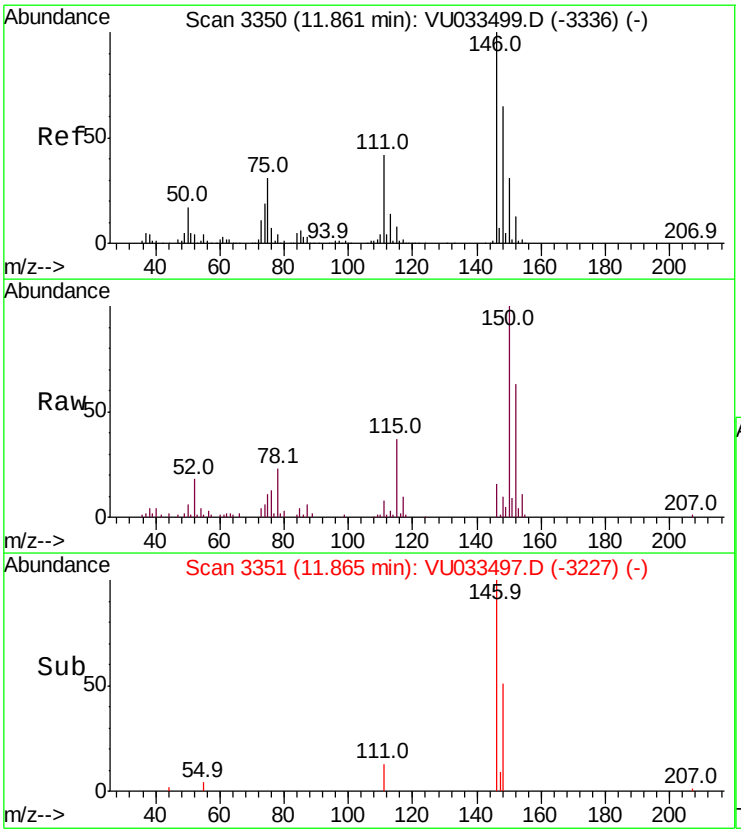
#63
1,4-Dichlorobenzene
Concen: 1.598 ug/L
RT: 11.49 min Scan# 3235
Delta R.T. 0.00 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Instrument : MSVOA_U
ClientSampleId : VIBLK40

Tgt Ion:146 Resp: 8532

Ion	Ratio	Lower	Upper
146	100		
111	44.6	27.2	50.4
148	69.6	44.5	82.7

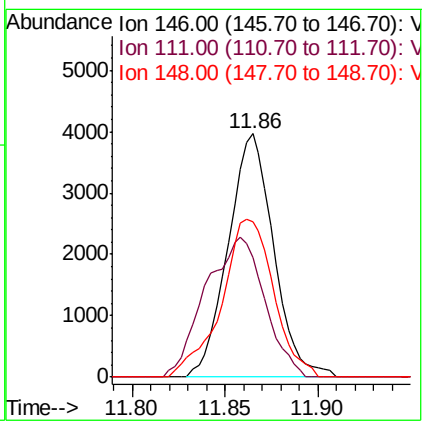


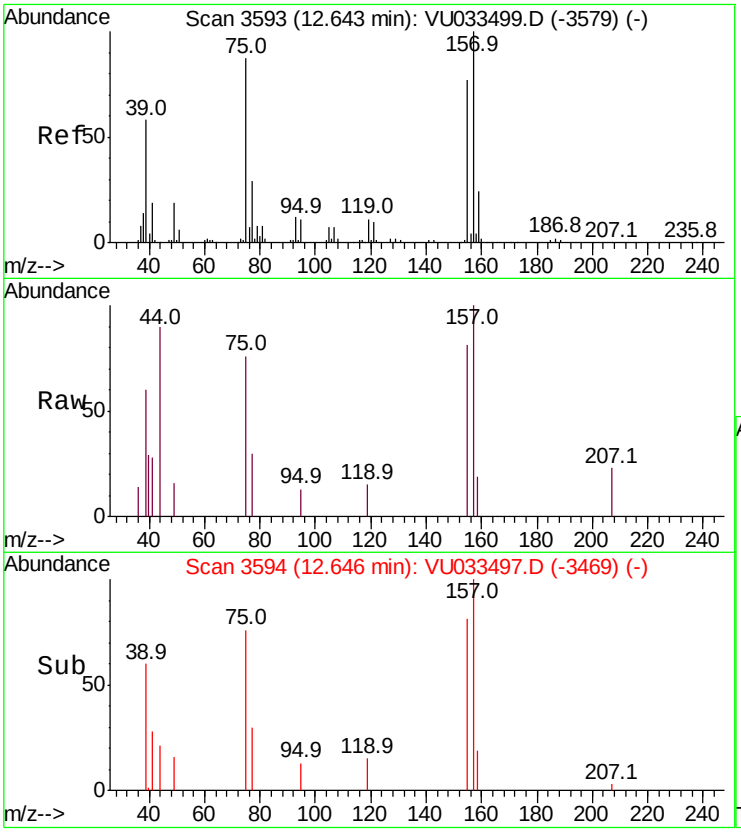


#65
1,2-Dichlorobenzene
Concen: 1.300 ug/L
RT: 11.86 min Scan# 3351
Delta R.T. 0.00 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Tgt Ion:146 Resp: 6758

Ion	Ratio	Lower	Upper
146	100		
111	48.9	31.7	47.5#
148	63.7	50.3	75.5



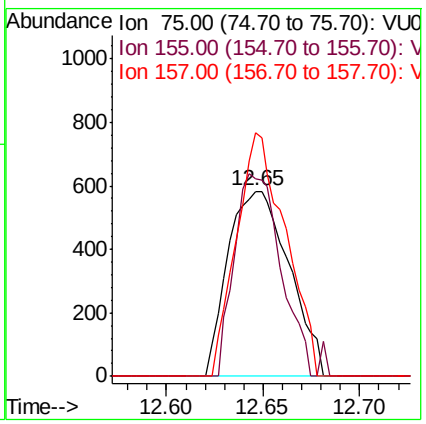


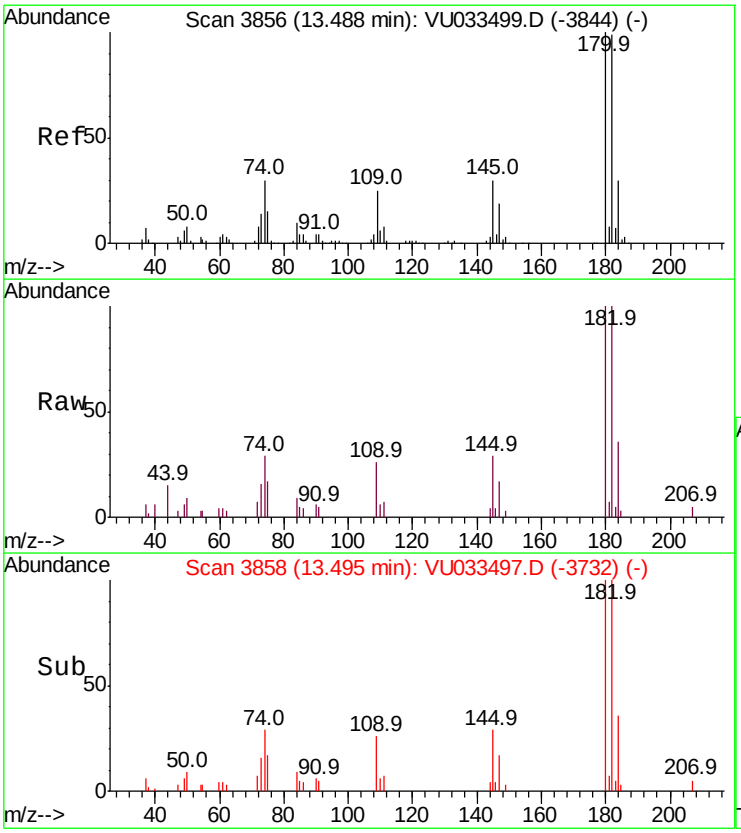
#66
1,2-Dibromo-3-chloropropane
Concen: 1.336 ug/L
RT: 12.65 min Scan# 3594
Delta R.T. 0.00 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

Tgt Ion: 75 Resp: 1283

Ion	Ratio	Lower	Upper
75	100		
155	107.0	69.4	104.0#
157	131.6	91.8	137.8

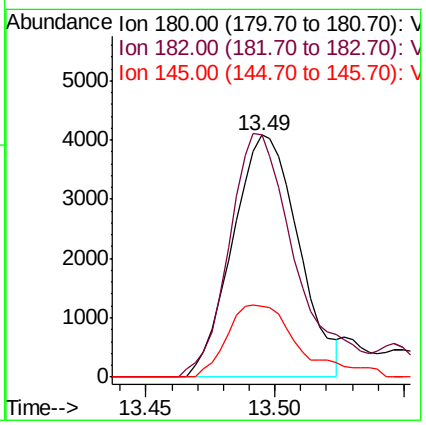


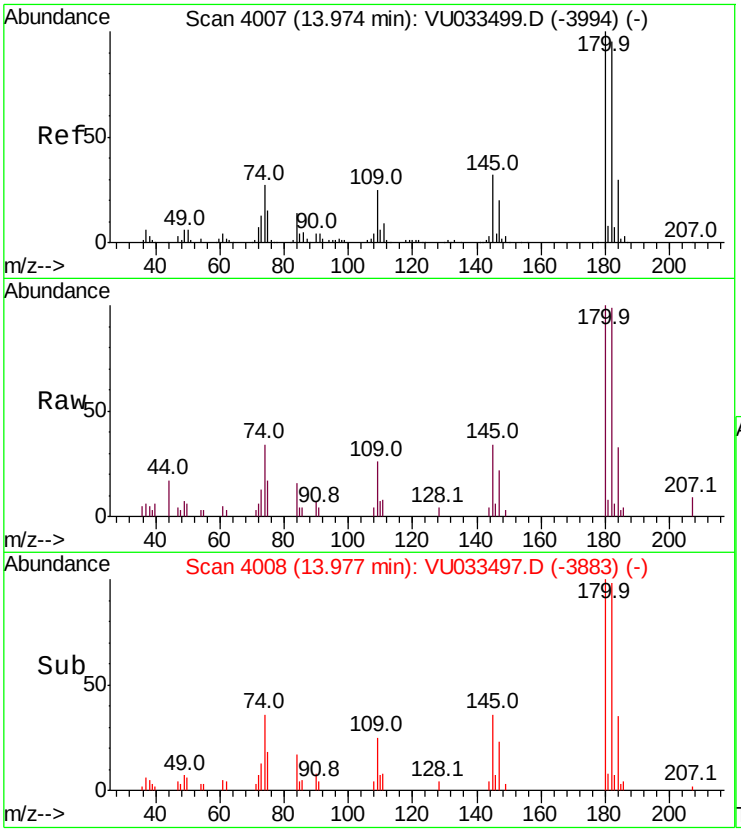


#68
1,2,4-trichlorobenzene
Concen: 2.051 ug/L
RT: 13.49 min Scan# 3858
Delta R.T. 0.01 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Tgt Ion:180 Resp: 7267

Ion	Ratio	Lower	Upper
180	100		
182	102.6	75.8	113.8
145	28.7	24.3	36.5





#70
1,2,3-Trichlorobenzene
Concen: 2.578 ug/L
RT: 13.98 min Scan# 4008
Delta R.T. 0.00 min
Lab File: VU033497.D
Acq: 30 Jul 2019 16:54

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

Tgt Ion:180 Resp: 9607

Ion	Ratio	Lower	Upper
180	100		
182	85.4	75.5	113.3
145	27.0	24.4	36.6