Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\

Quantitation Report (Not Reviewed)

Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

Quant Time: Mar 24 02:13:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sun Mar 24 02:05:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	513826	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	505797	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	262203	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	157060	37.98	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 75.96%			
7) Chloroethane-d5	1.68	69	132278	40.36	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 80.72%			
11) 1,1-Dichloroethene-d2	2.27	63	232384	29.62	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 59.24%#			
21) 2-Butanone-d5	4.17	46	357417	91.95	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 91.95%			
24) Chloroform-d	4.65	84	291593	40.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 81.86%			
26) 1,2-Dichloroethane-d4	5.31	65	196538	42.16	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 84.32%			
32) Benzene-d6	5.35	84	627045	43.23	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 86.46%			
36) 1,2-Dichloropropane-d6	6.33	67	215174	43.36	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 86.72%			
41) Toluene-d8	7.58	98	609112	46.76	ug/L	0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.52%			
43) trans-1,3-Dichloropropene-	7.85	79	111302	47.70	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.40%			
47) 2-Hexanone-d5	8.31	63	295326	109.82	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 109.82%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	328076	46.20	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 92.40%			
64) 1,2-Dichlorobenzene-d4	11.86	152	233050	44.36	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 88.72%			

Target Compounds						Qvalue
6) Bromomethane	1.62	94	3184	1.154	ug/L	97
8) Chloroethane	1.70	64	3521	1.037	ug/L #	63
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	14733	3.929	ug/L	91
12) 1,1-Dichloroethene	2.27	96	2122	0.577	ug/L #	1
13) Acetone	2.32	43	212958	54.171	ug/L	91
15) Methyl Acetate	2.63	43	35199	5.847	ug/L #	100
18) Methyl tert-butyl Ether	3.00	73	629628	49.365	ug/L #	1
22) 2-Butanone	4.26	43	238371	50.165	ug/L	97
25) Chloroform	4.67	83	38439	5.109	ug/L	99
27) 1,2-Dichloroethane	5.41	62	1392428	235.863	ug/L #	88
29) Cyclohexane	5.00	56	2329297	304.313	ug/L	97
35) Methylcyclohexane	6.41	83	1529595	219.606	ug/L	95
37) 1,2-Dichloropropane	6.42	63	15118	3.094	ug/L #	95
40) 4-Methyl-2-pentanone	7.49	43	71439	8.704	ug/L #	82
45) 1,1,2-Trichloroethane	8.05	97	96122	23.282	ug/L #	21
48) 2-Hexanone	8.36	43	335533	49.881	ug/L #	93
50) 1,2-Dibromoethane	8.58	107	1513539	341.592	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\

Quantitation Report (Not Reviewed)

Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

Quant Time: Mar 24 02:13:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sun Mar 24 02:05:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) Styrene	9.81	104	5075762	432.062	ug/L	#	38
56) Isopropylbenzene	10.17	105	2368320	131.152	ug/L		99
58) 1,1,2,2-Tetrachloroethane	10.46	83	26564	3.491	ug/L	#	48
59) 1,2,3-Trichloropropane	10.49	75	20784	3.495	ug/L	#	55
66) 1,2-Dibromo-3-chloropropan	12.65	75	12687	6.572	ug/L	#	5
68) 1,2,4-trichlorobenzene	13.50	180	2807	0.503	ug/L	#	1

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

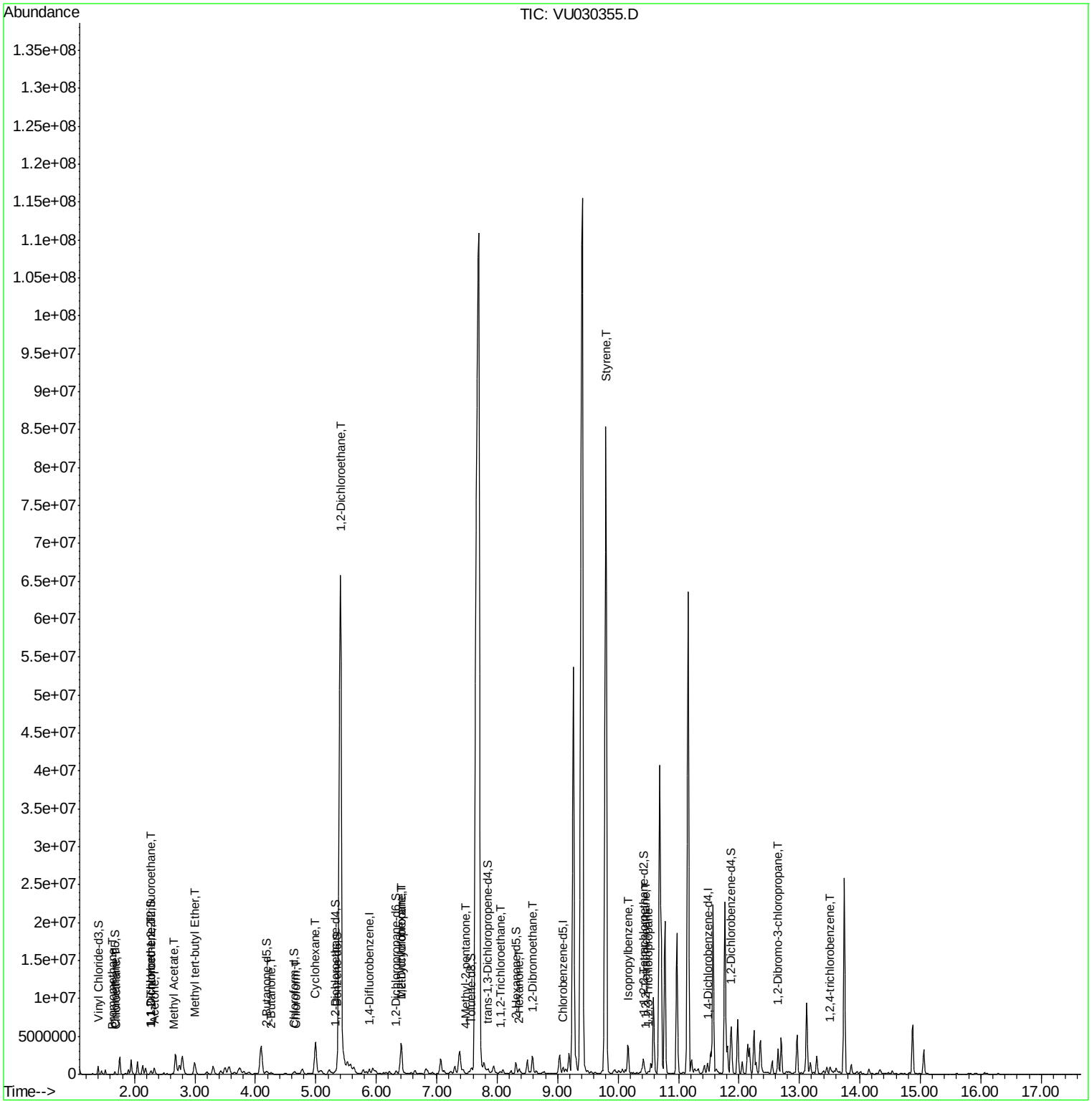
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\

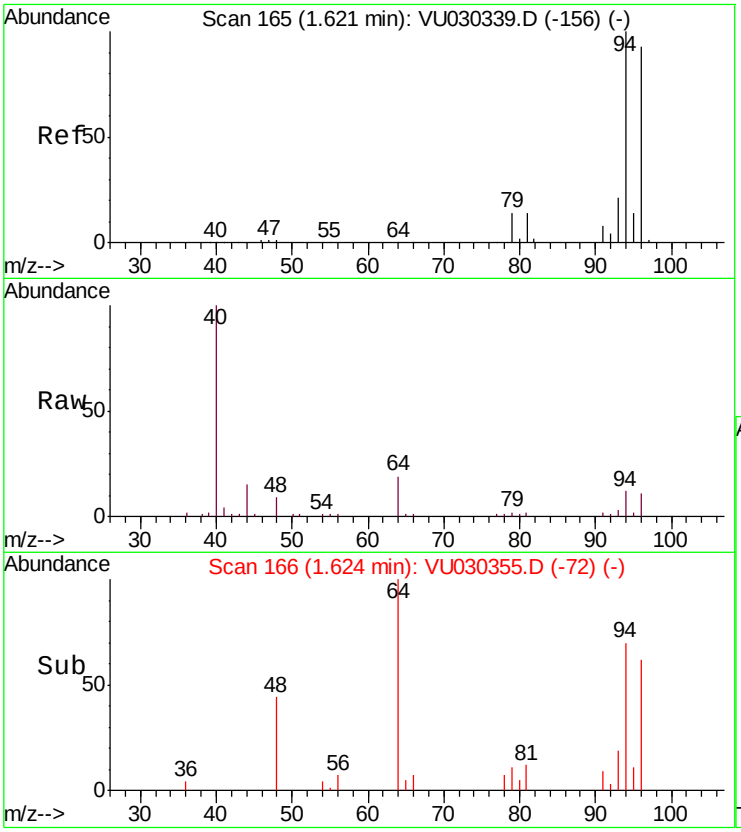
Quantitation Report (Not Reviewed)

Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

Quant Time: Mar 24 02:13:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sun Mar 24 02:05:17 2019
Response via : Initial Calibration



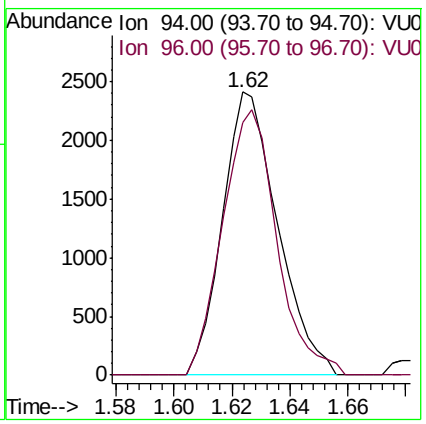


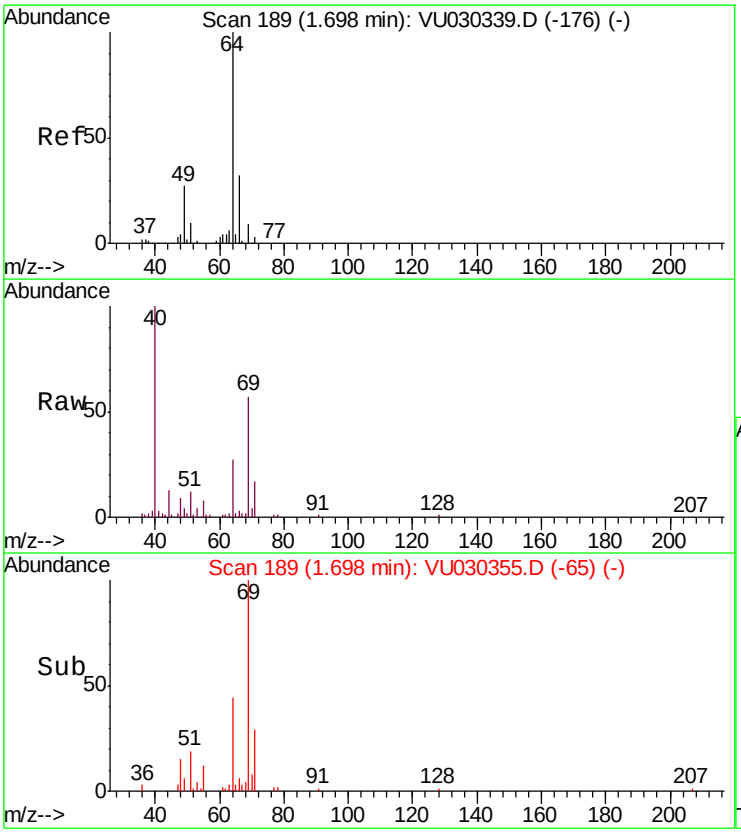
#6
Bromomethane
Concen: 1.154 ug/L
RT: 1.62 min Scan# 166
Delta R.T. 0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

Tgt Ion: 94 Resp: 3184

Ion	Ratio	Lower	Upper
94	100		
96	89.3	64.8	120.3

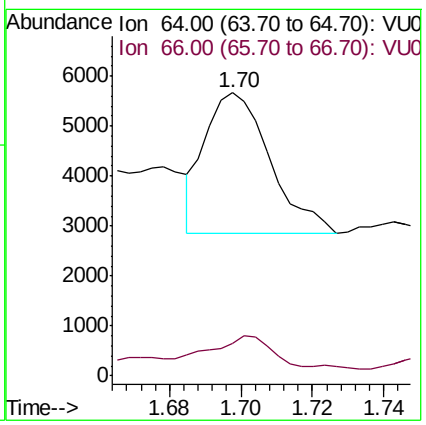


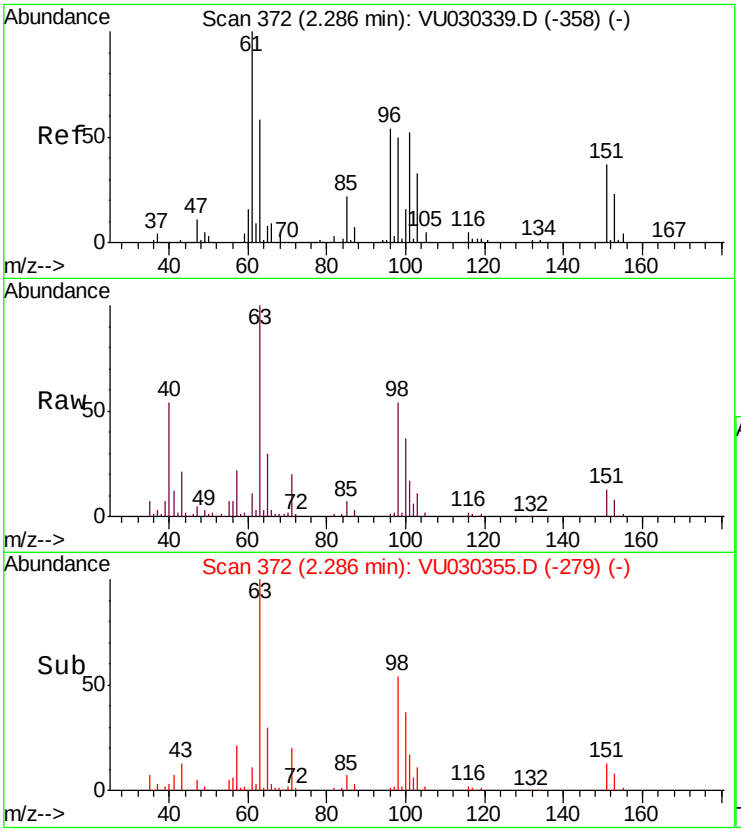


#8
Chloroethane
Concen: 1.037 ug/L
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Tgt Ion: 64 Resp: 3521

Ion	Ratio	Lower	Upper
64	100		
66	11.6	22.5	41.7#



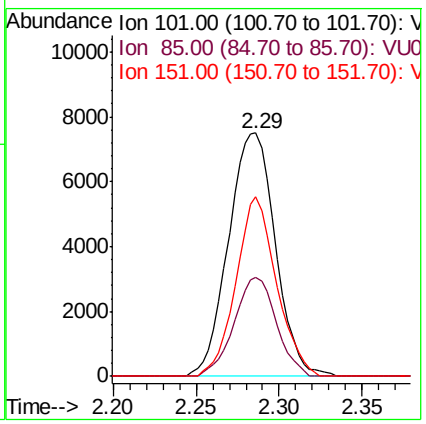


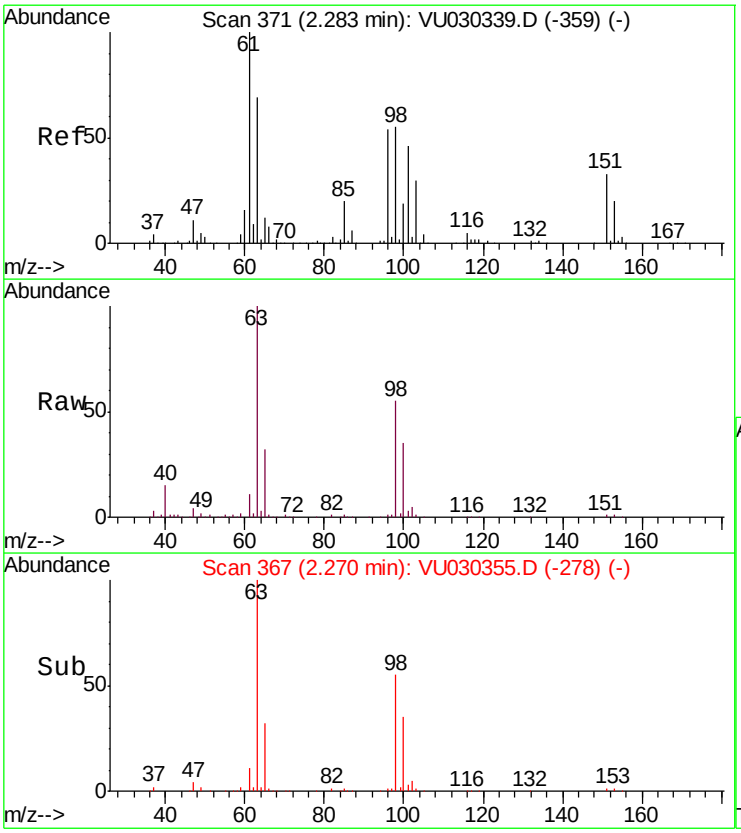
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.929 ug/L
RT: 2.29 min Scan# 372
Delta R.T. -0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

Tgt Ion:101 Resp: 14733

Ion	Ratio	Lower	Upper
101	100		
85	36.7	34.8	52.2
151	63.6	56.6	85.0

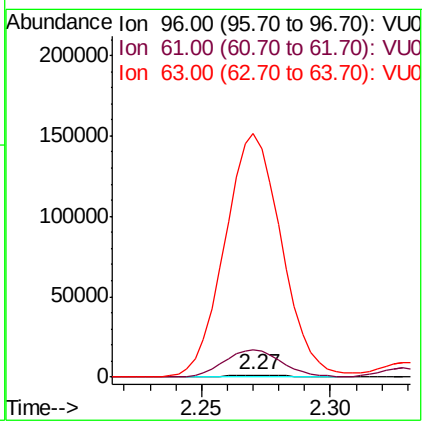


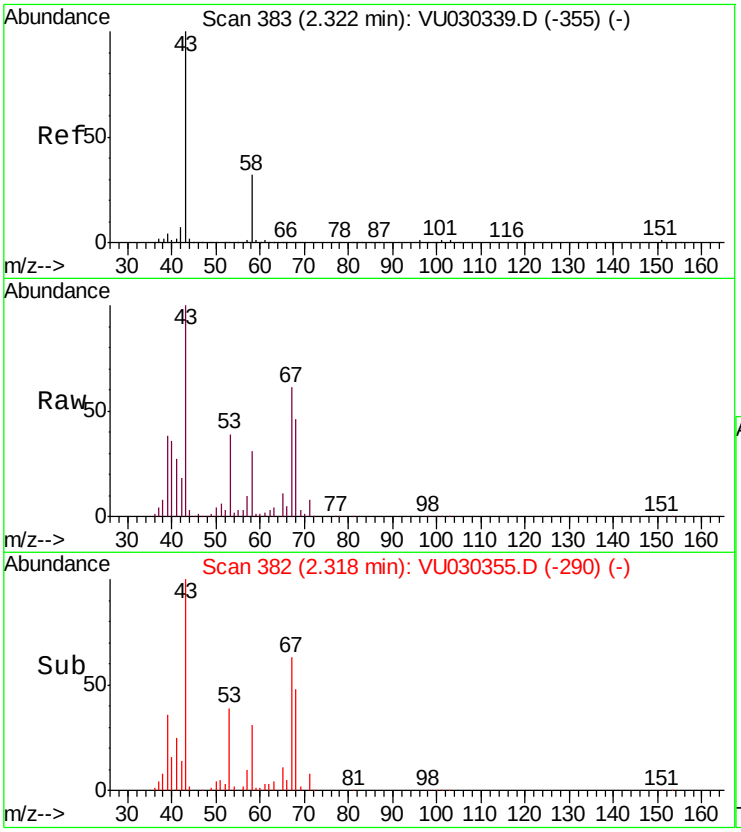


#12
1,1-Dichloroethene
Concen: 0.577 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.01 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Tgt Ion: 96 Resp: 2122

Ion	Ratio	Lower	Upper
96	100		
61	1283.9	131.0	243.4#
63	11224.9	92.4	171.6#



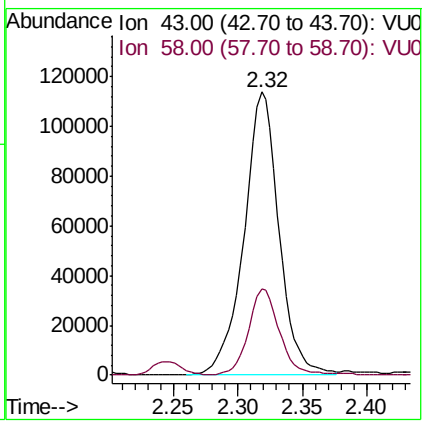


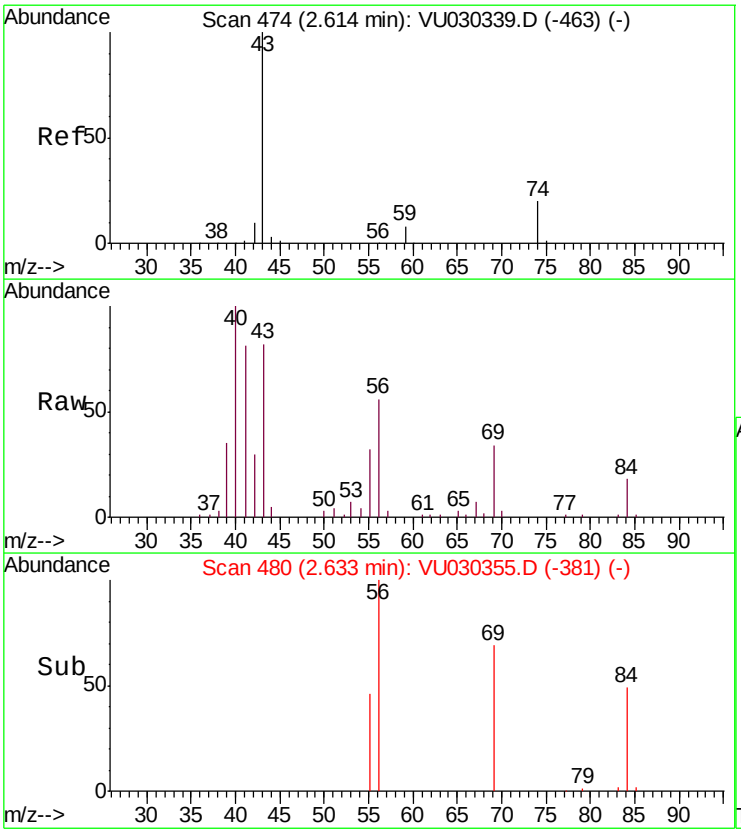
#13
Acetone
Concen: 54.171 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Instrument : MSVOA_U
ClientSampleId : DB6R7

Tgt Ion: 43 Resp: 212958

Ion	Ratio	Lower	Upper
43	100		
58	26.5	0.0	62.8

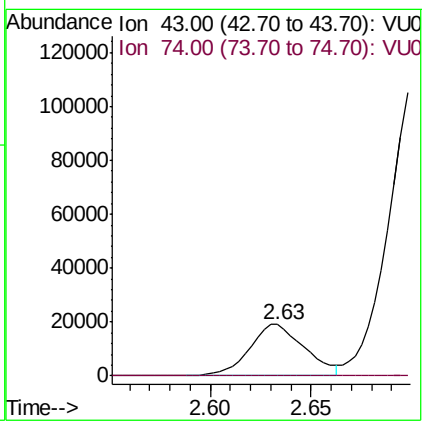


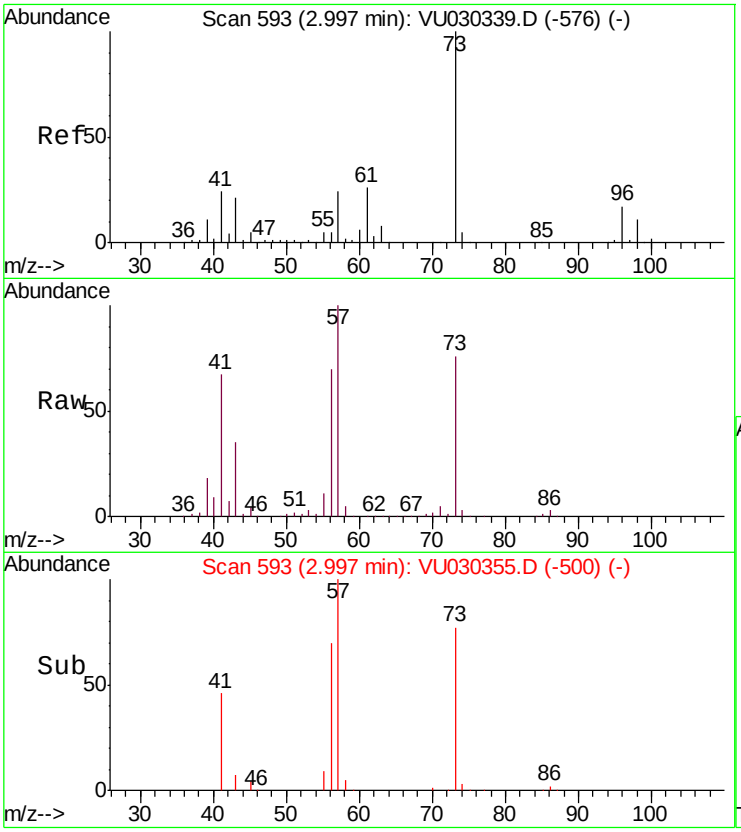


#15
Methyl Acetate
Concen: 5.847 ug/L
RT: 2.63 min Scan# 480
Delta R.T. 0.02 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Tgt Ion: 43 Resp: 35199

Ion	Ratio	Lower	Upper
43	100		
74	0.0	0.0	0.0



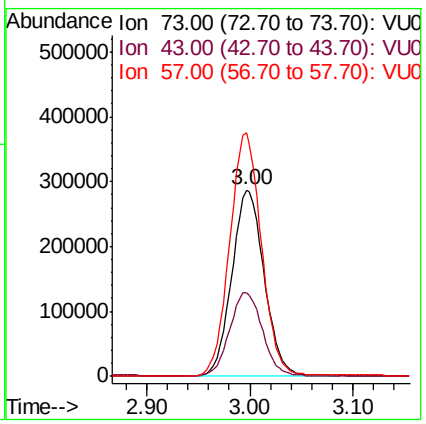


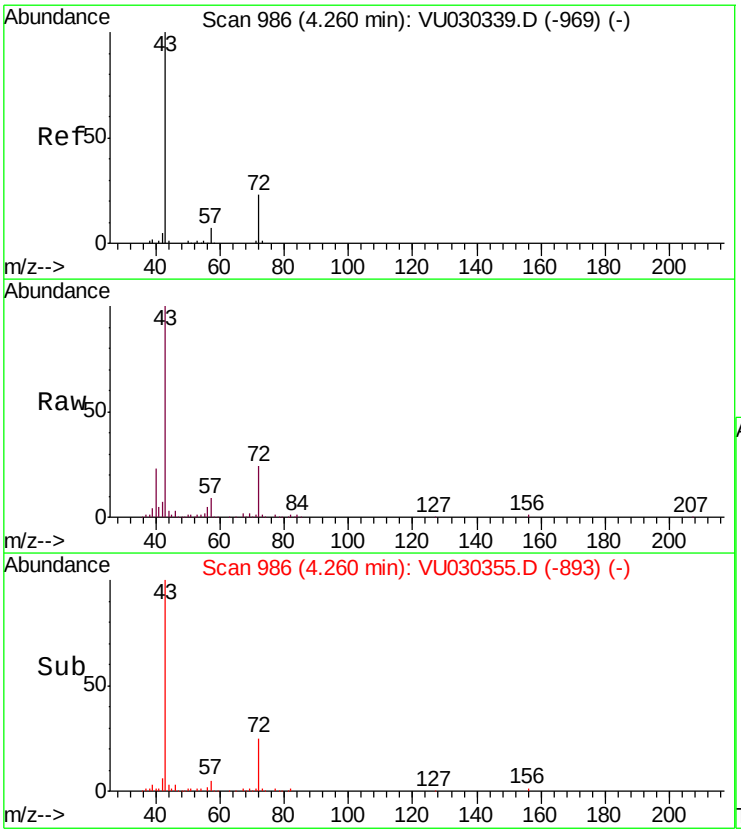
#18
Methyl tert-butyl Ether
Concen: 49.365 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

Tgt Ion: 73 Resp: 629628

Ion	Ratio	Lower	Upper
73	100		
43	44.9	16.6	24.8#
57	128.3	18.9	28.3#

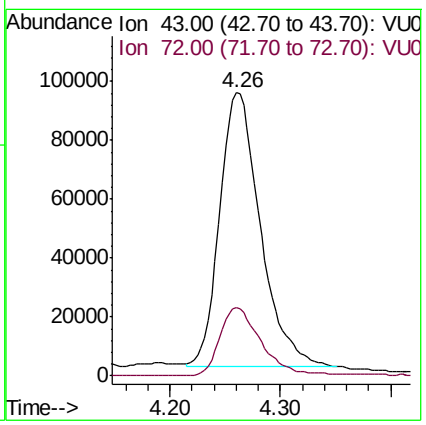


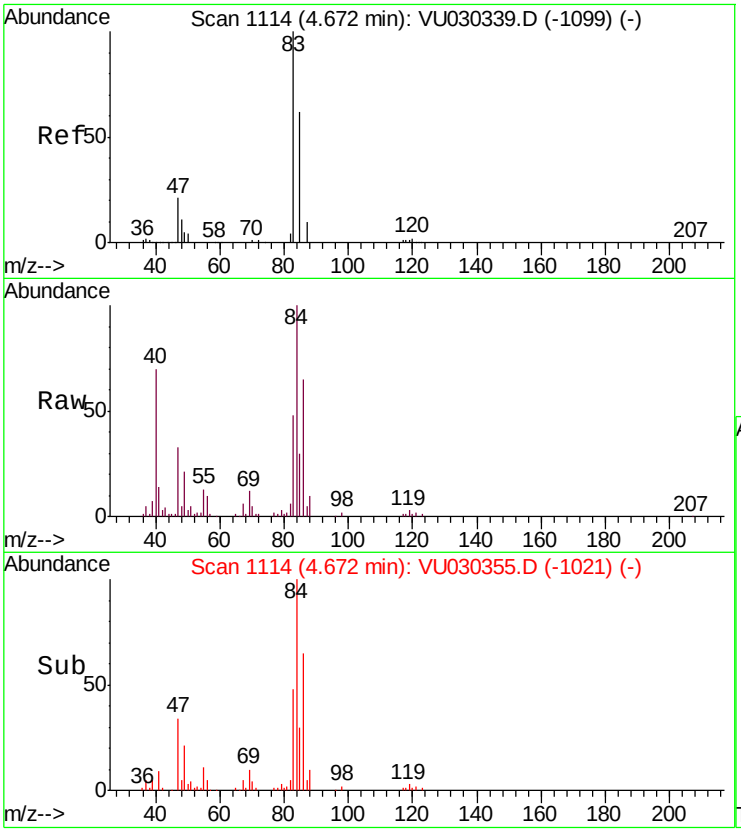


#22
2-Butanone
Concen: 50.165 ug/L
RT: 4.26 min Scan# 986
Delta R.T. -0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Tgt Ion: 43 Resp: 238371

Ion	Ratio	Lower	Upper
43	100		
72	25.7	12.0	36.1



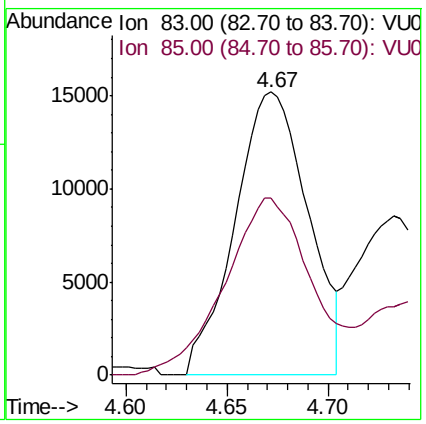


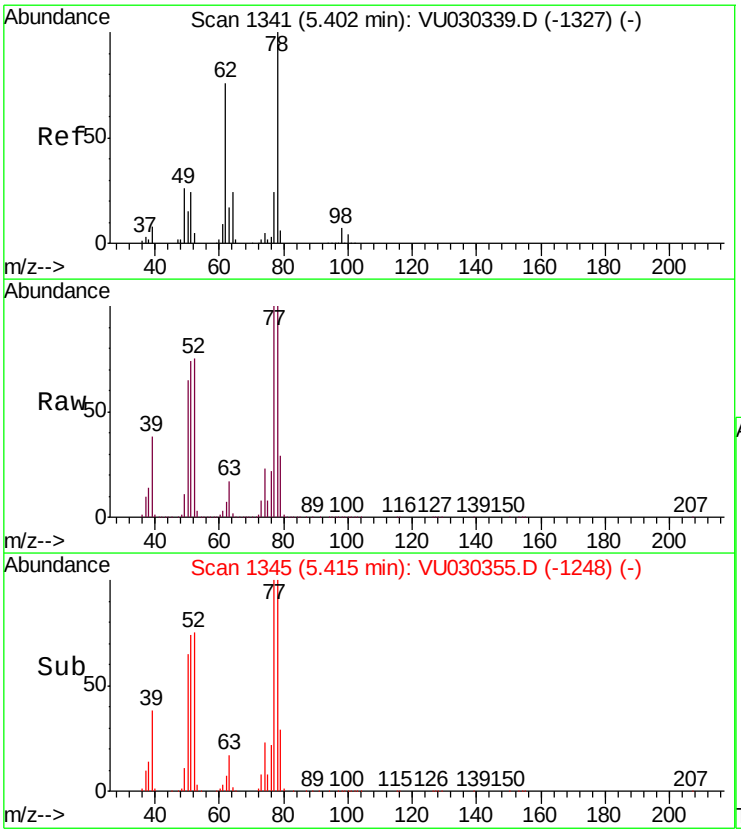
#25
Chloroform
Concen: 5.109 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

Tgt Ion: 83 Resp: 38439

Ion	Ratio	Lower	Upper
83	100		
85	62.5	44.4	82.4

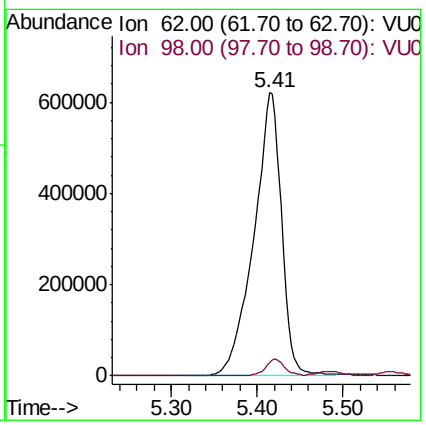


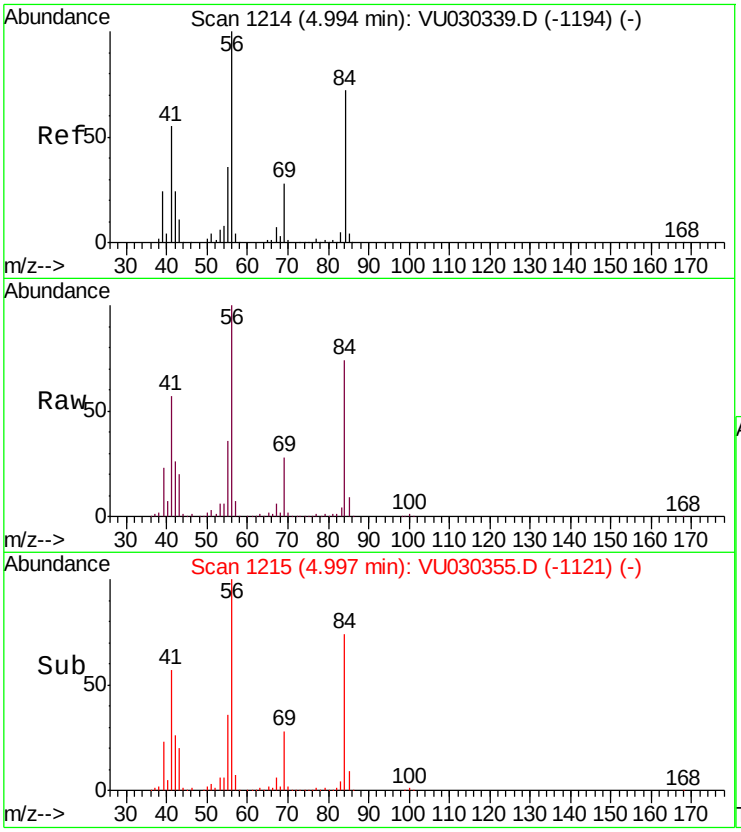


#27
1,2-Dichloroethane
Concen: 235.863 ug/L
RT: 5.41 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Tgt Ion: 62 Resp: 1392428

Ion	Ratio	Lower	Upper
62	100		
98	4.8	7.2	10.8#



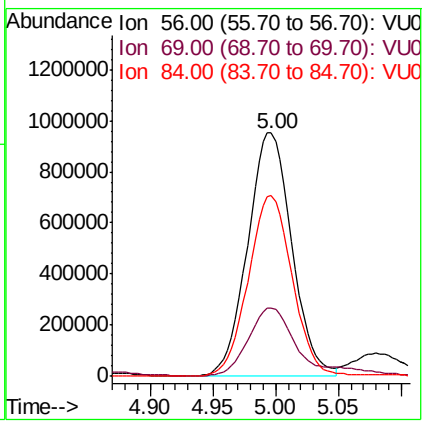


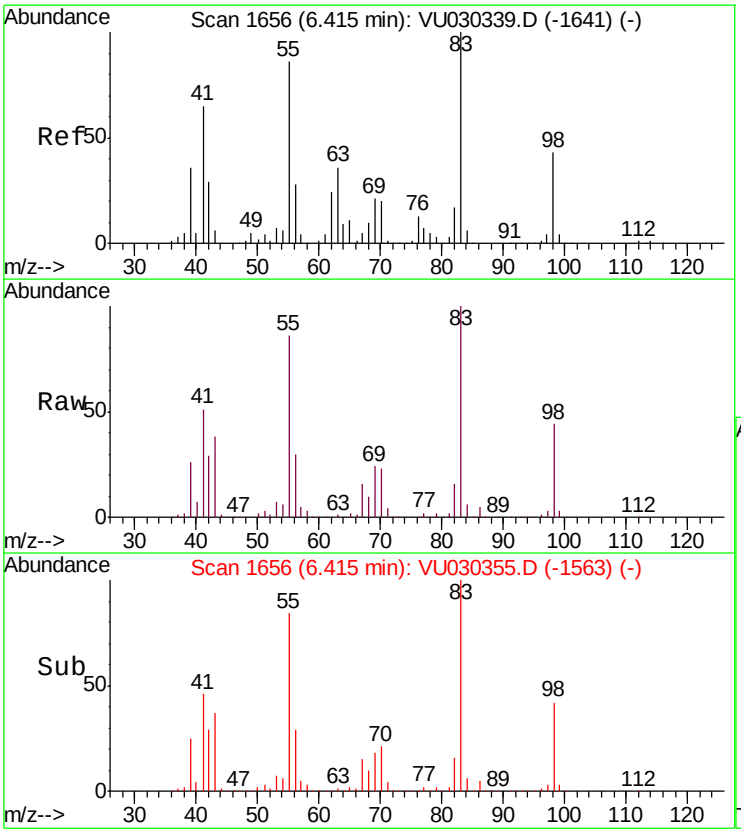
#29
Cyclohexane
Concen: 304.313 ug/L
RT: 5.00 min Scan# 1215
Delta R.T. 0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

Tgt Ion: 56 Resp: 2329297

Ion	Ratio	Lower	Upper
56	100		
69	32.6	22.9	34.3
84	74.3	58.9	88.3

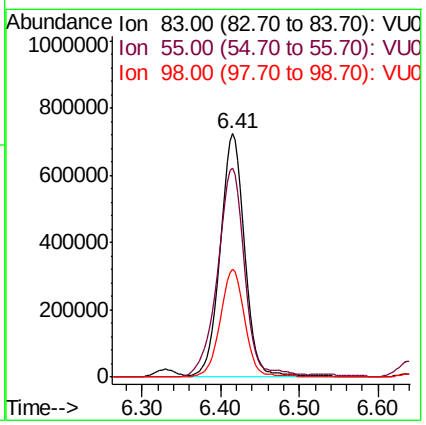


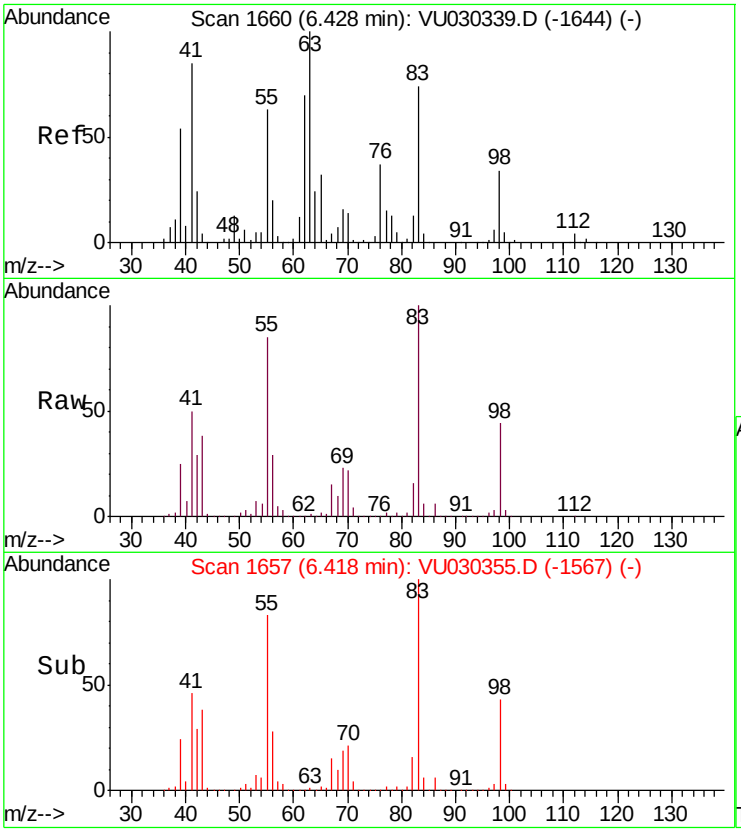


#35
Methylcyclohexane
Concen: 219.606 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. -0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Tgt Ion: 83 Resp: 1529595

Ion	Ratio	Lower	Upper
83	100		
55	96.2	71.4	107.0
98	45.1	36.0	54.0



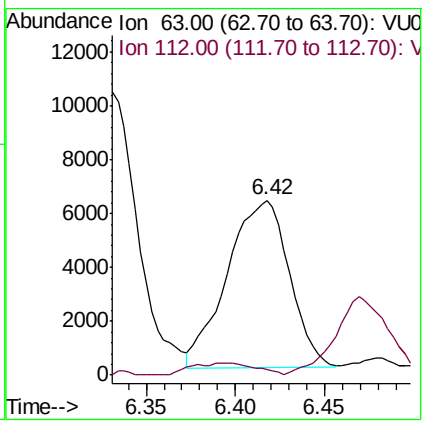


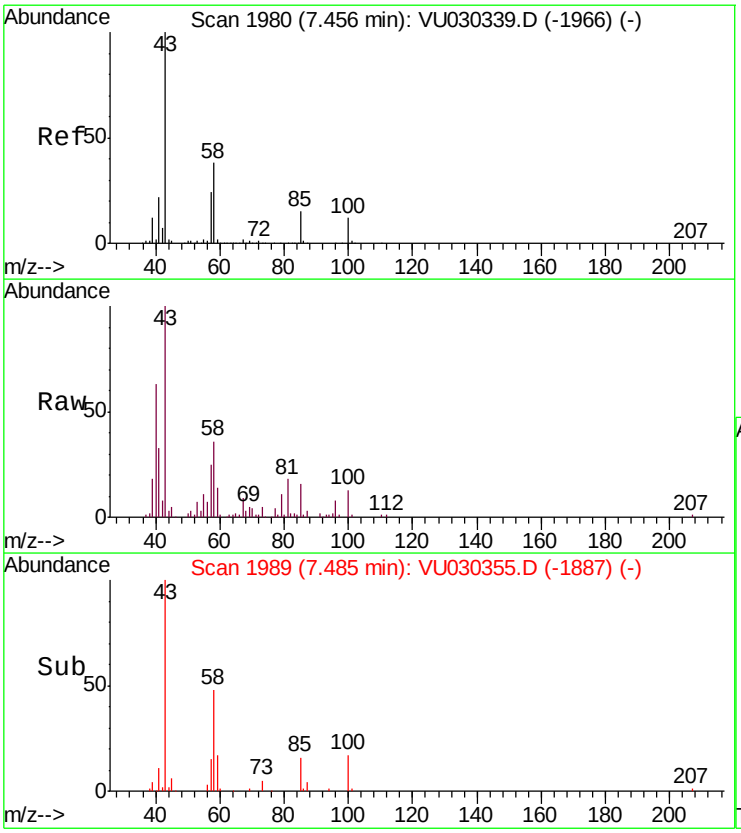
#37
1,2-Dichloropropane
Concen: 3.094 ug/L
RT: 6.42 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Instrument : MSVOA_U
ClientSampleId : DB6R7

Tgt Ion: 63 Resp: 15118

Ion	Ratio	Lower	Upper
63	100		
112	4.9	2.6	4.0#

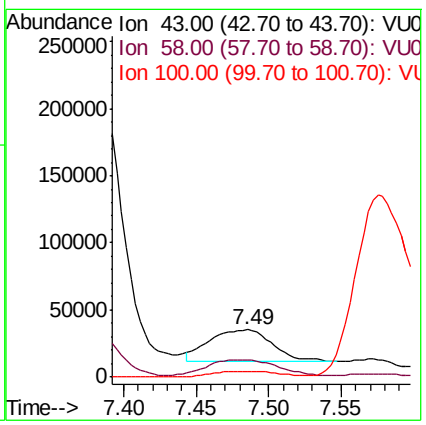


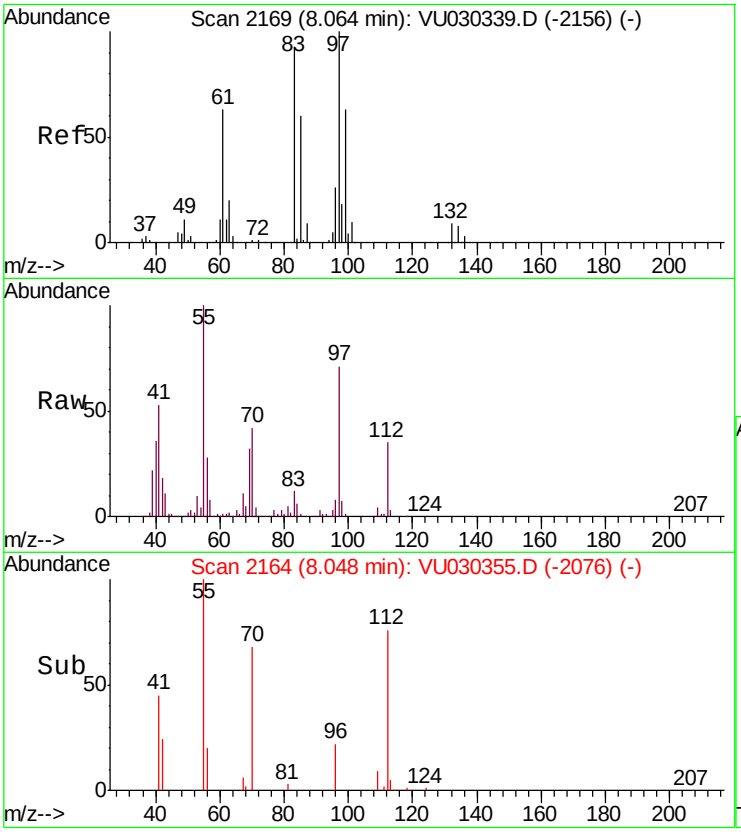


#40
4-Methyl-2-pentanone
Concen: 8.704 ug/L
RT: 7.49 min Scan# 1989
Delta R.T. 0.03 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Tgt Ion: 43 Resp: 71439

Ion	Ratio	Lower	Upper
43	100		
58	27.4	30.6	45.8#
100	19.4	9.5	14.3#



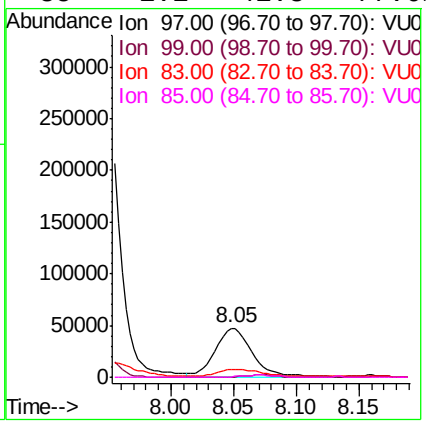


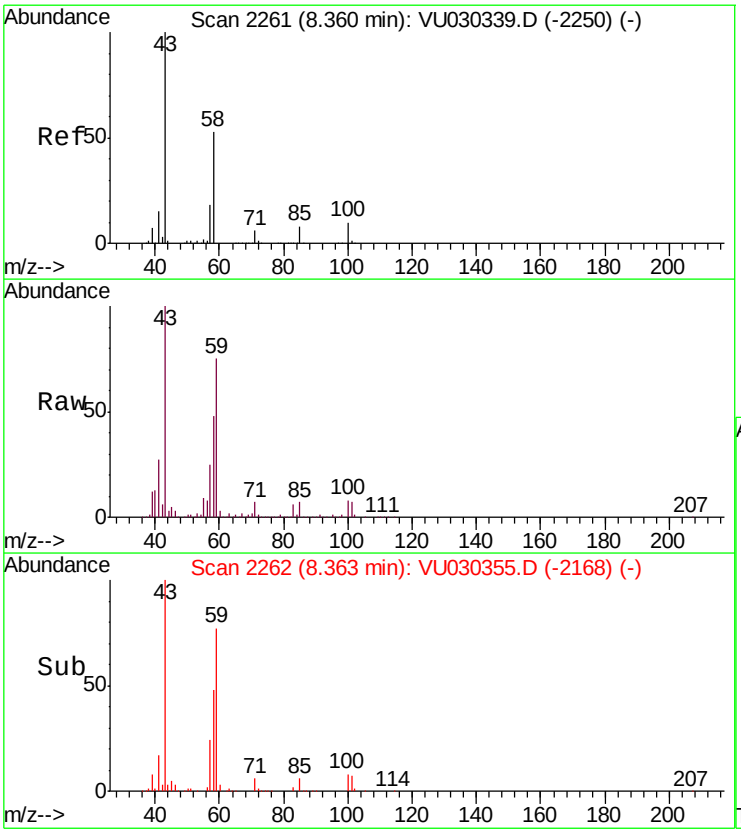
#45
1,1,2-Trichloroethane
Concen: 23.282 ug/L
RT: 8.05 min Scan# 2164
Delta R.T. -0.02 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Instrument : MSVOA_U
ClientSampleId : DB6R7

Tgt Ion: 97 Resp: 96122

Ion	Ratio	Lower	Upper
97	100		
99	1.2	44.0	81.8#
83	16.5	65.3	121.3#
85	1.1	41.8	77.6#

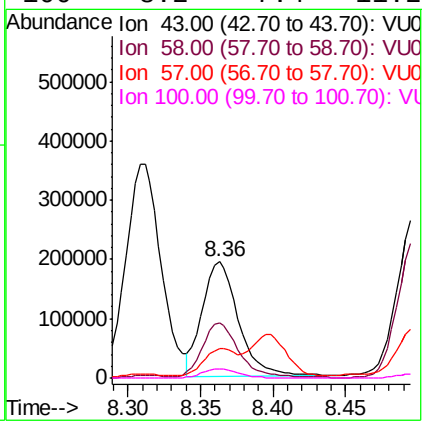


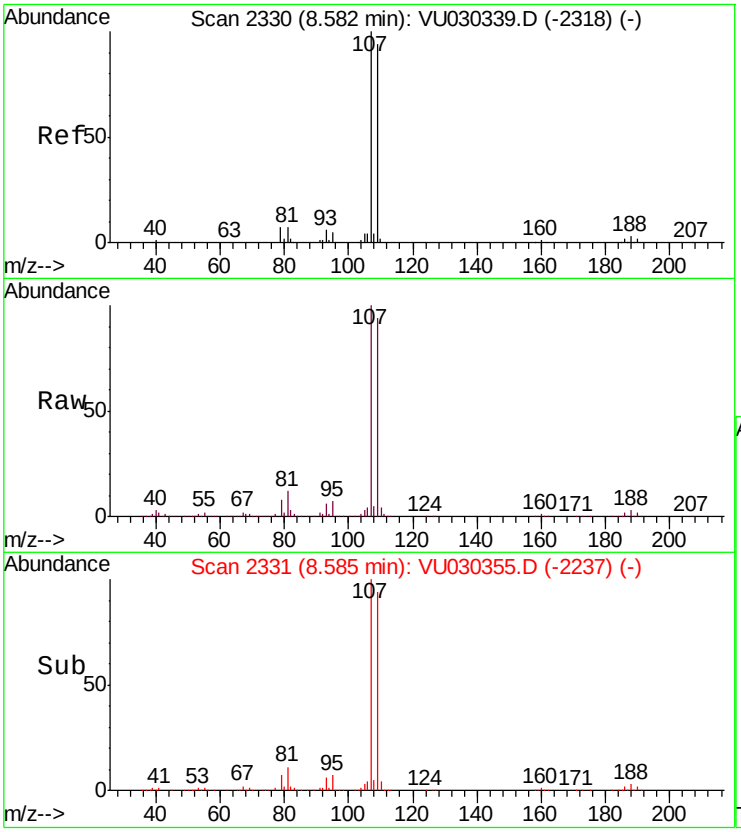


#48
2-Hexanone
Concen: 49.881 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Tgt Ion: 43 Resp: 335533

Ion	Ratio	Lower	Upper
43	100		
58	47.7	42.5	63.7
57	22.8	15.0	22.6#
100	8.2	7.4	11.2



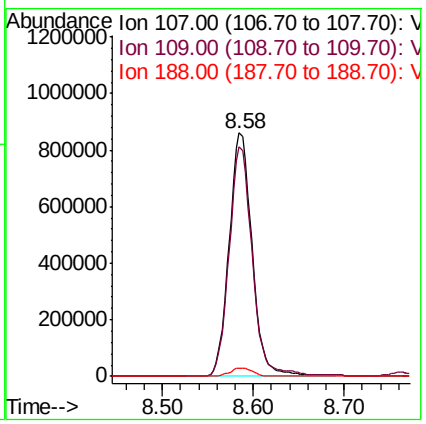


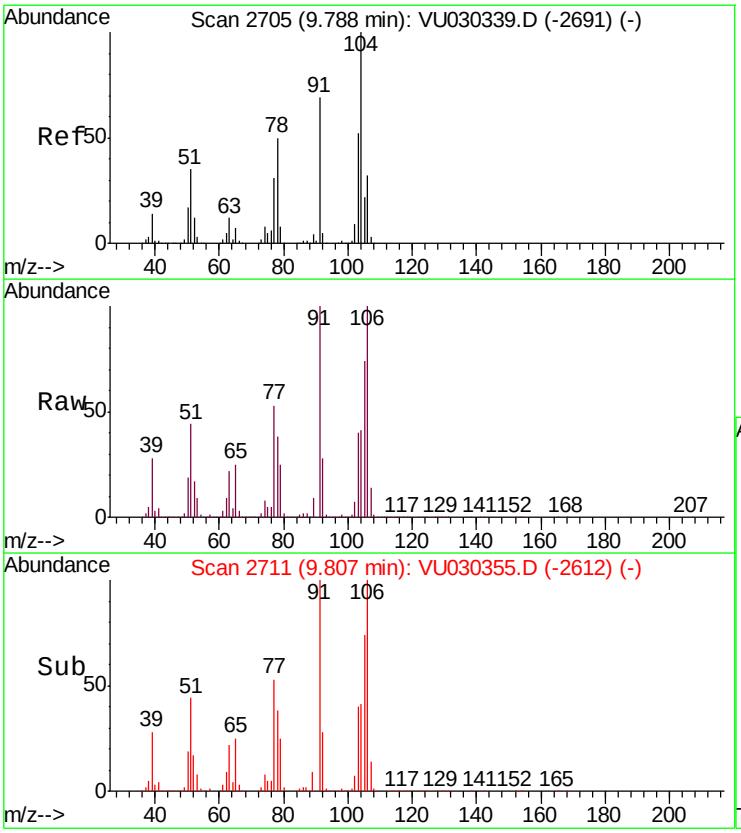
#50
1,2-Dibromoethane
Concen: 341.592 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Instrument : MSVOA_U
ClientSampleId : DB6R7

Tgt Ion:107 Resp: 1513539

Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.8	122.2
188	3.4	2.6	4.0

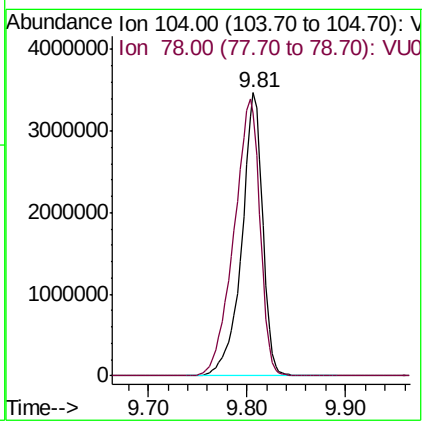


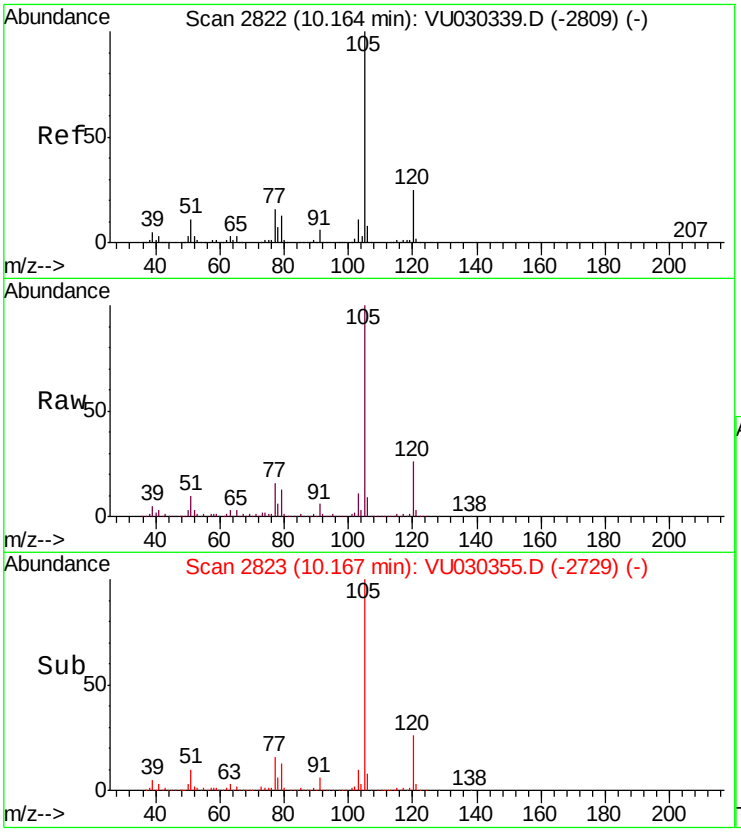


#55
Styrene
Concen: 432.062 ug/L
RT: 9.81 min Scan# 2711
Delta R.T. 0.02 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Tgt Ion:104 Resp: 5075762

Ion	Ratio	Lower	Upper
104	100		
78	92.8	35.1	65.3#



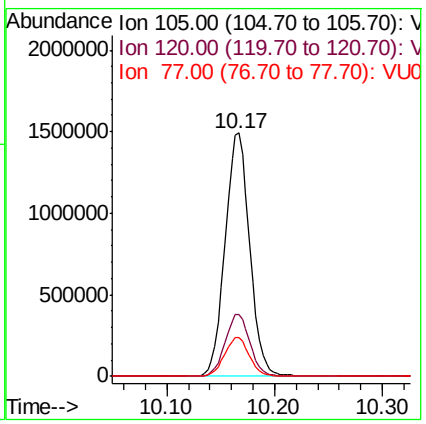


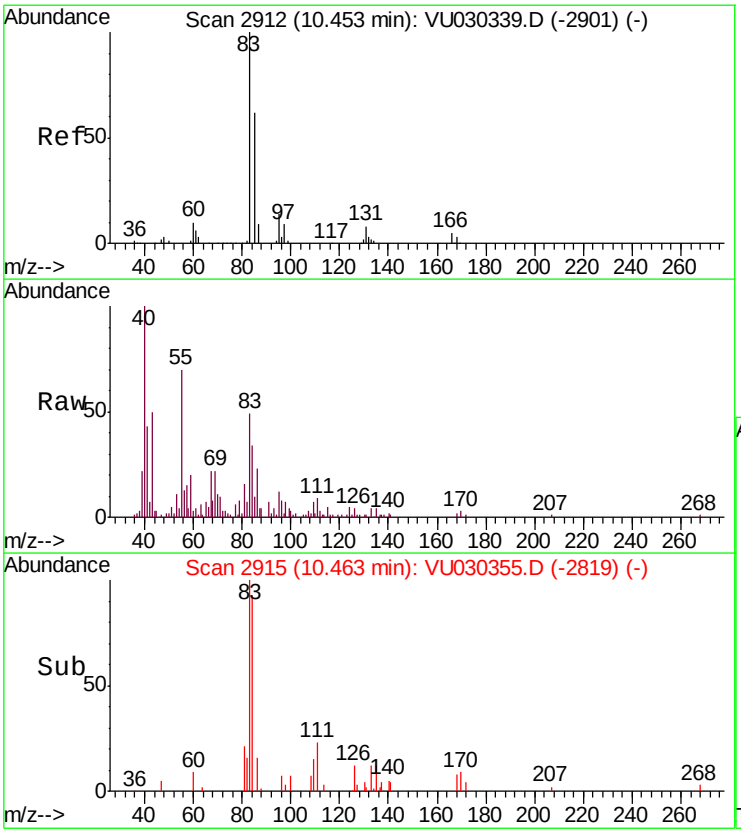
#56
Isopropylbenzene
Concen: 131.152 ug/L
RT: 10.17 min Scan# 2823
Delta R.T. 0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

Tgt Ion:105 Resp: 2368320

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.2	30.2
77	15.8	13.2	19.8

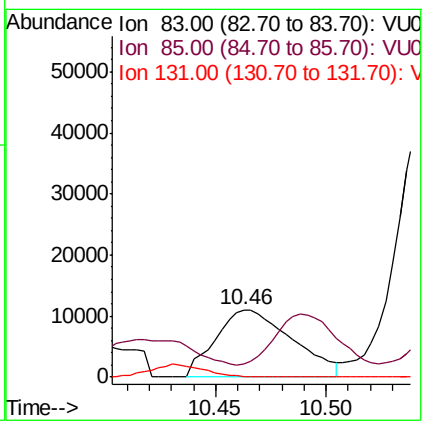


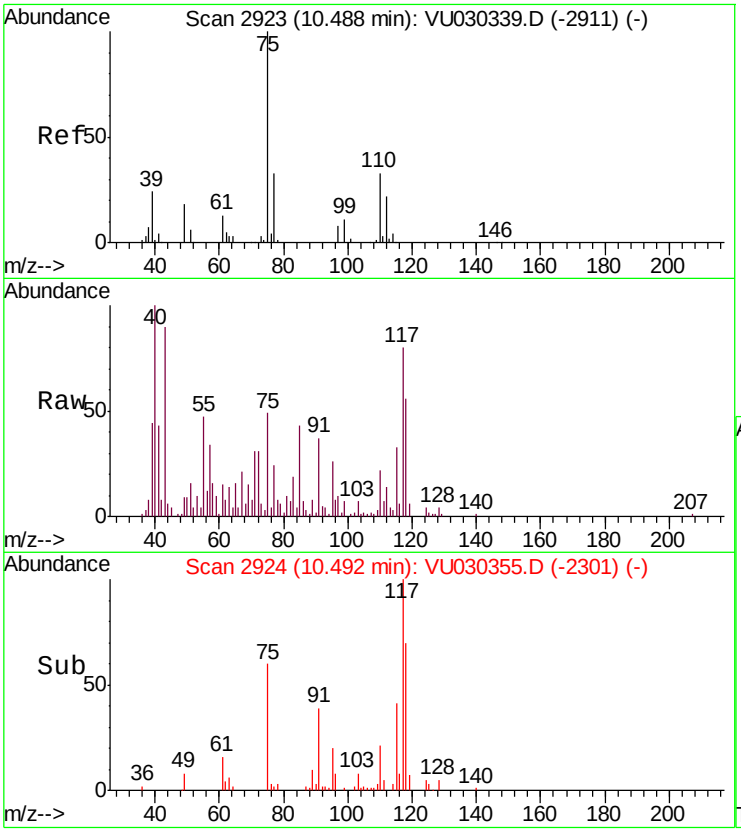


#58
1,1,2,2-Tetrachloroethane
Concen: 3.491 ug/L
RT: 10.46 min Scan# 2915
Delta R.T. 0.01 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Tgt Ion: 83 Resp: 26564

Ion	Ratio	Lower	Upper
83	100		
85	19.5	44.3	82.3#
131	1.3	6.7	10.1#



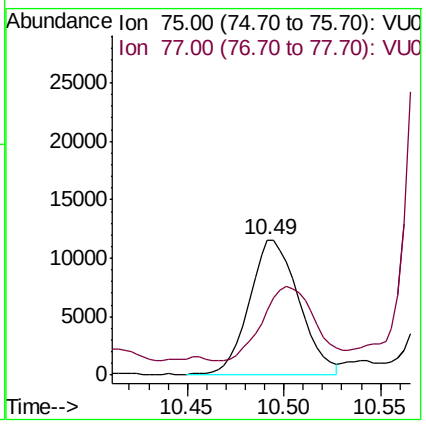


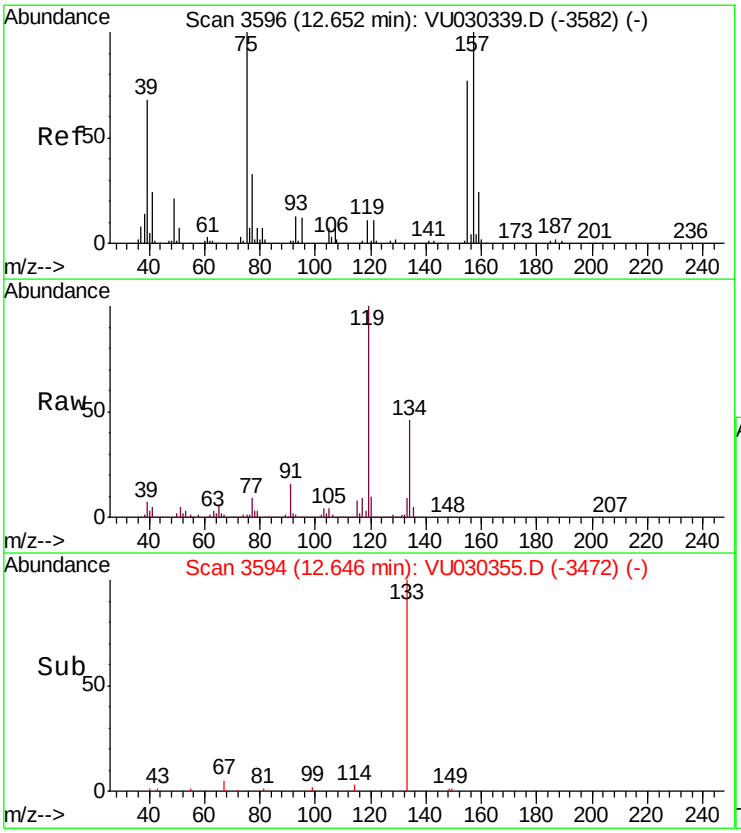
#59
1,2,3-Trichloropropane
Concen: 3.495 ug/L
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Instrument : MSVOA_U
ClientSampleId : DB6R7

Tgt Ion: 75 Resp: 20784

Ion	Ratio	Lower	Upper
75	100		
77	56.7	25.4	38.2#

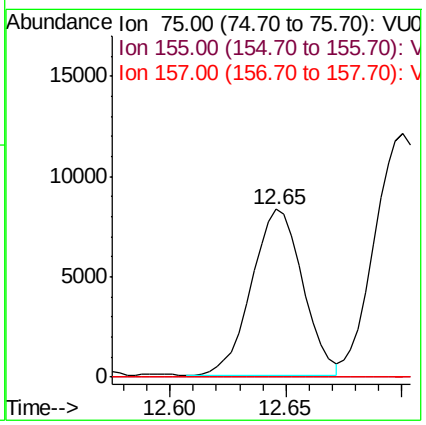


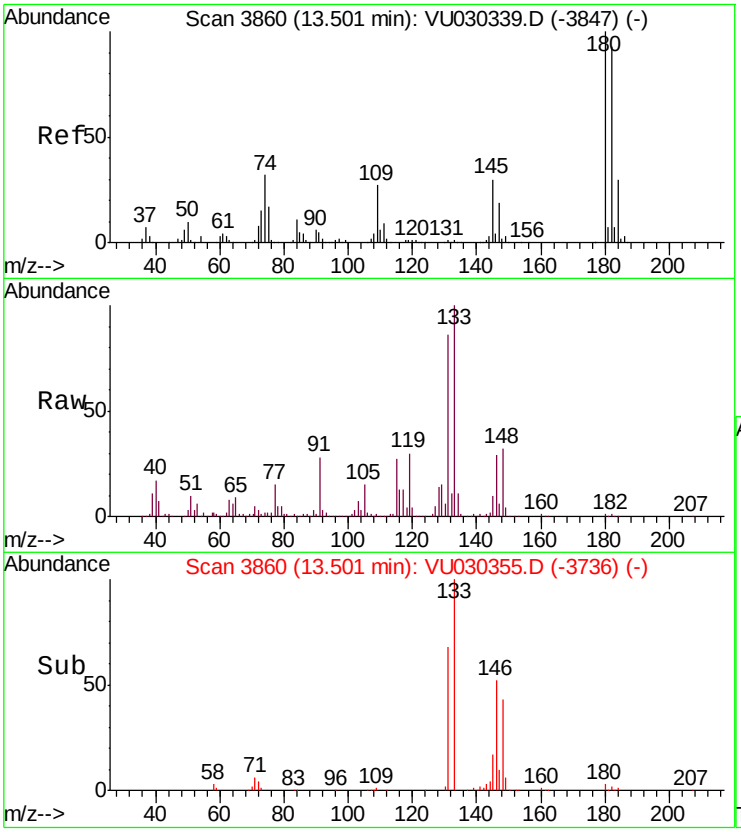


#66
1,2-Dibromo-3-chloropropane
Concen: 6.572 ug/L
RT: 12.65 min Scan# 3594
Delta R.T. -0.01 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Tgt Ion: 75 Resp: 12687

Ion	Ratio	Lower	Upper
75	100		
155	0.0	61.8	92.6#
157	0.0	80.2	120.4#





#68
1,2,4-trichlorobenzene
Concen: 0.503 ug/L
RT: 13.50 min Scan# 3860
Delta R.T. -0.00 min
Lab File: VU030355.D
Acq: 23 Mar 2019 21:07

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

Tgt Ion:180 Resp: 2807

Ion	Ratio	Lower	Upper
180	100		
182	84.5	76.1	114.1
145	862.3	24.5	36.7#