Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\

Quantitation Report (Not Reviewed)

Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Time: Jul 19 01:47:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	337277	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	332062	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	168748	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	146265	57.29	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 114.58%			
7) Chloroethane-d5	1.67	69	123752	56.74	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.48%			
11) 1,1-Dichloroethene-d2	2.25	63	208790	45.08	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.16%			
21) 2-Butanone-d5	4.15	46	191267	118.23	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 118.23%			
24) Chloroform-d	4.62	84	223861	52.32	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.64%			
26) 1,2-Dichloroethane-d4	5.29	65	147703	53.82	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.64%			
32) Benzene-d6	5.32	84	469368	57.62	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 115.24%			
36) 1,2-Dichloropropane-d6	6.31	67	149103	57.14	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 114.28%			
41) Toluene-d8	7.55	98	436952	56.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 113.76%			
43) trans-1,3-Dichloropropene-	7.83	79	74352	58.11	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 116.22%			
47) 2-Hexanone-d5	8.29	63	147800	125.64	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 125.64%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	213535	54.07	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 108.14%			
64) 1,2-Dichlorobenzene-d4	11.85	152	175622	58.36	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 116.72%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2005	0.871	ug/L #	21
12) 1,1-Dichloroethene	2.26	96	2238	0.994	ug/L #	1
13) Acetone	2.31	43	23441	11.597	ug/L	100
15) Methyl Acetate	2.61	43	2664	1.009	ug/L #	65
16) Methylene chloride	2.68	84	3759	1.462	ug/L #	71
29) Cyclohexane	4.97	56	64827	17.916	ug/L	95
35) Methylcyclohexane	6.40	83	99077	25.538	ug/L	92
39) cis-1,3-Dichloropropene	7.21	75	4571	1.135	ug/L #	36
40) 4-Methyl-2-pentanone	7.40	43	68690	19.497	ug/L #	49
42) Toluene	7.62	91	5326	0.510	ug/L	97
44) trans-1,3-Dichloropropene	7.83	75	3179	0.875	ug/L #	24
45) 1,1,2-Trichloroethane	8.03	97	8987	3.618	ug/L #	21
48) 2-Hexanone	8.40	43	107539	37.468	ug/L #	1
52) Ethylbenzene	9.23	91	192429	17.225	ug/L	99
53) m,p-Xylene	9.36	106	114915	27.157	ug/L	99
56) Isopropylbenzene	10.15	105	69115	6.392	ug/L	98
59) 1,2,3-Trichloropropane	10.57	75	1540	0.450	ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\

Quantitation Report (Not Reviewed)

Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Time: Jul 19 01:47:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.69	75	1061	1.043	ug/L	#	3
69) Naphthalene	13.73	128	103891	9.881	ug/L		98

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

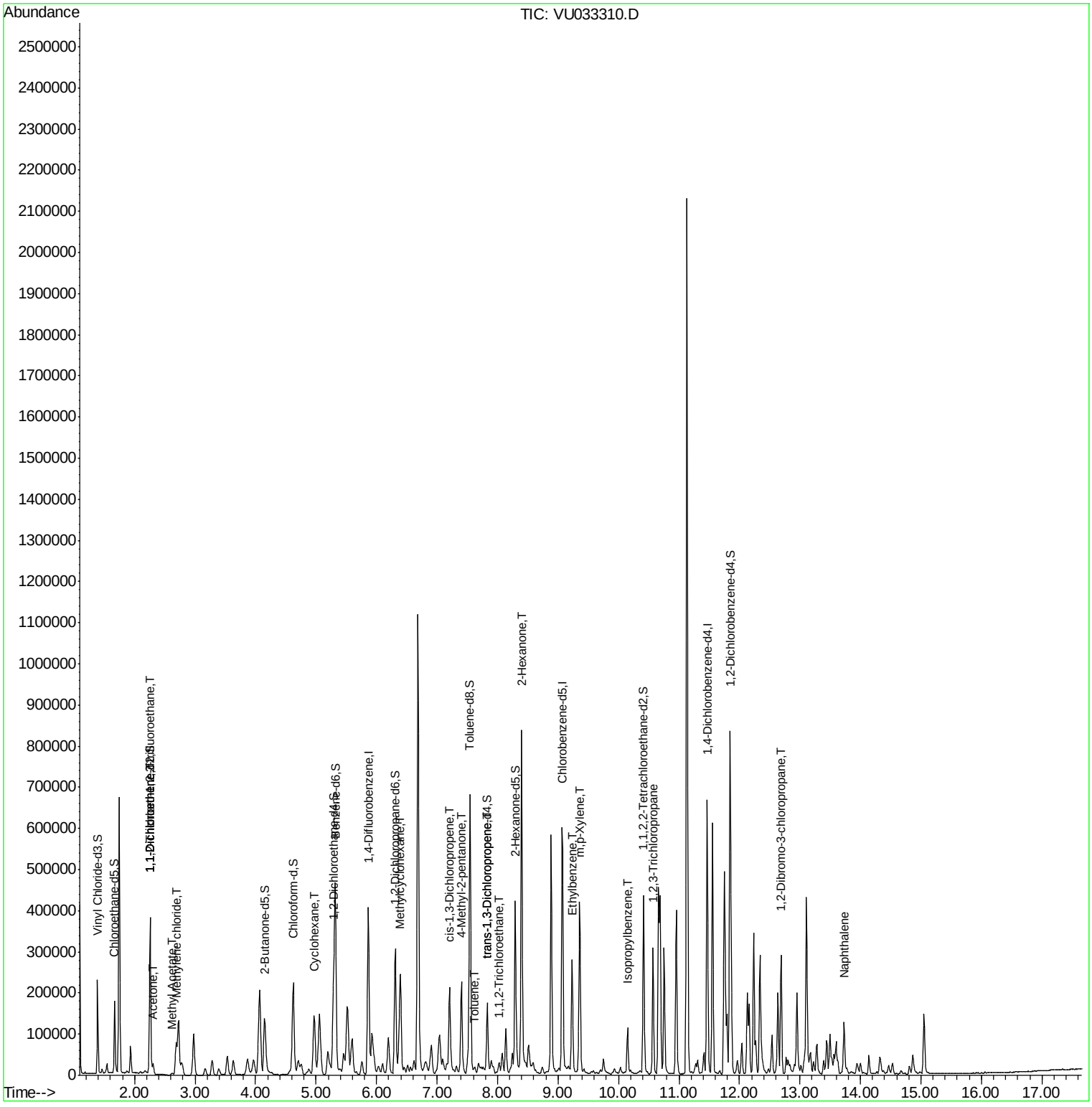
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\

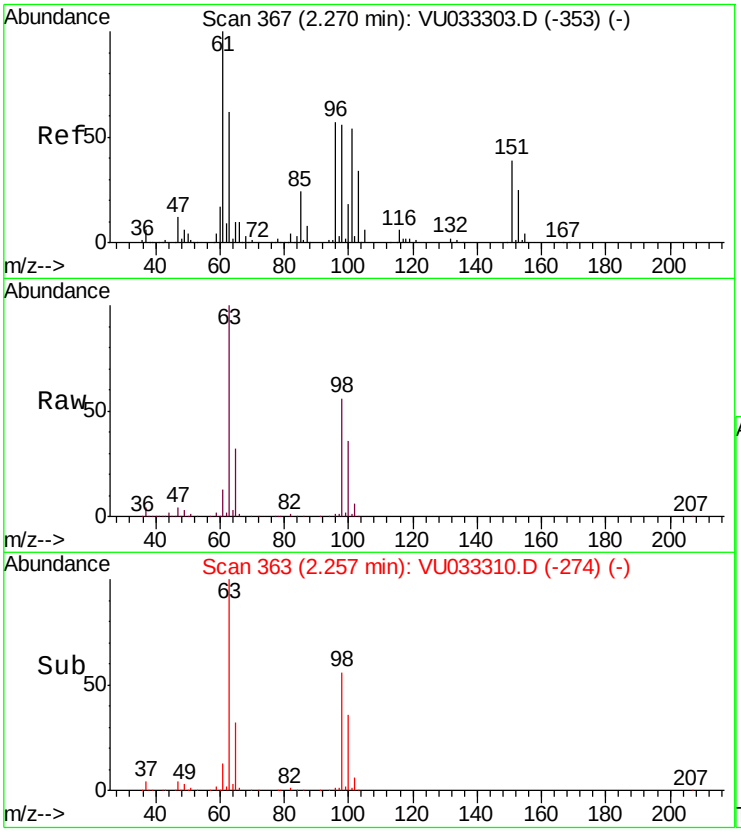
Quantitation Report (Not Reviewed)

Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Quant Time: Jul 19 01:47:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration



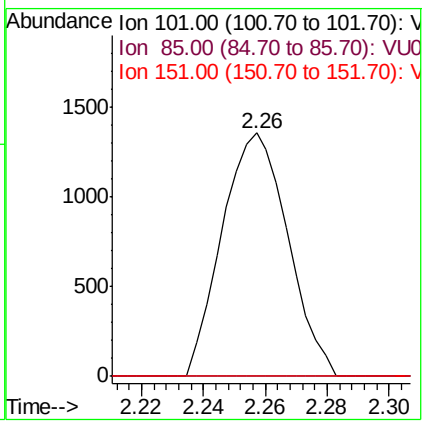


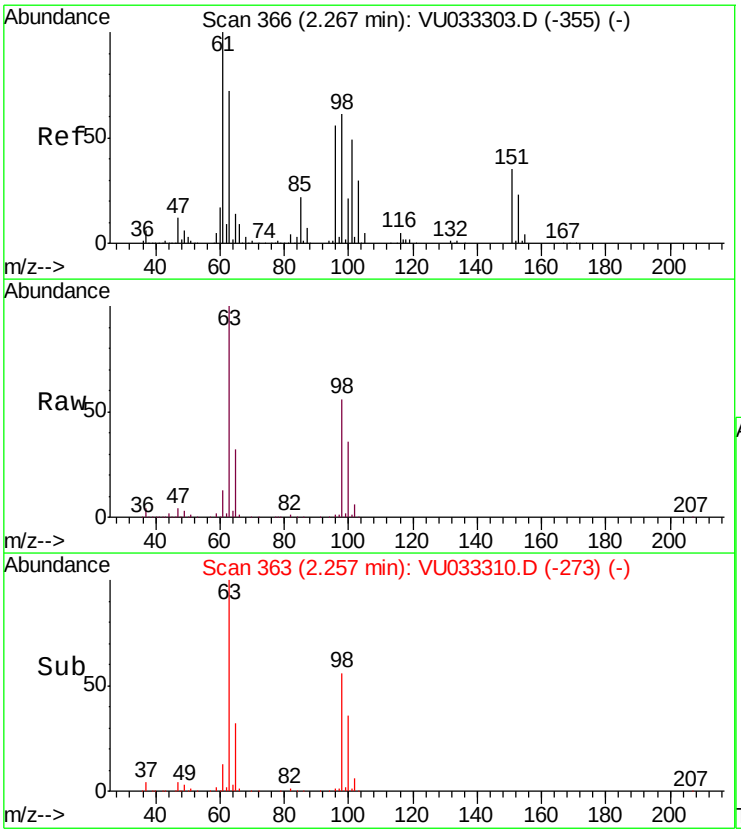
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.871 ug/L
RT: 2.26 min Scan# 363
Delta R.T. -0.01 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion:101 Resp: 2005

Ion	Ratio	Lower	Upper
101	100		
85	0.0	35.8	53.8#
151	0.0	56.7	85.1#

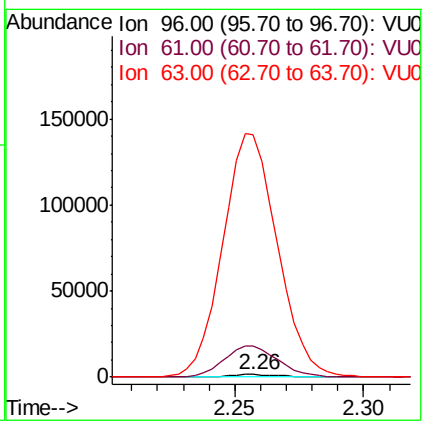


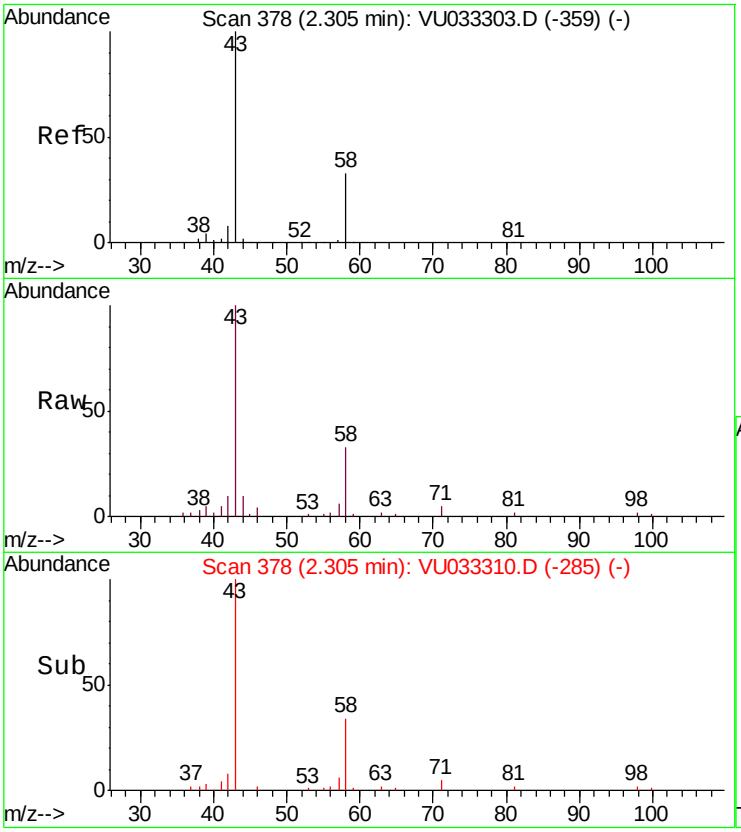


#12
1,1-Dichloroethene
Concen: 0.994 ug/L
RT: 2.26 min Scan# 363
Delta R.T. -0.01 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Tgt Ion: 96 Resp: 2238

Ion	Ratio	Lower	Upper
96	100		
61	1292.5	126.1	234.1#
63	10214.9	96.8	179.8#



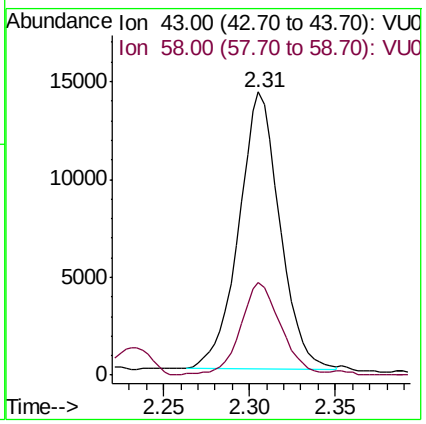


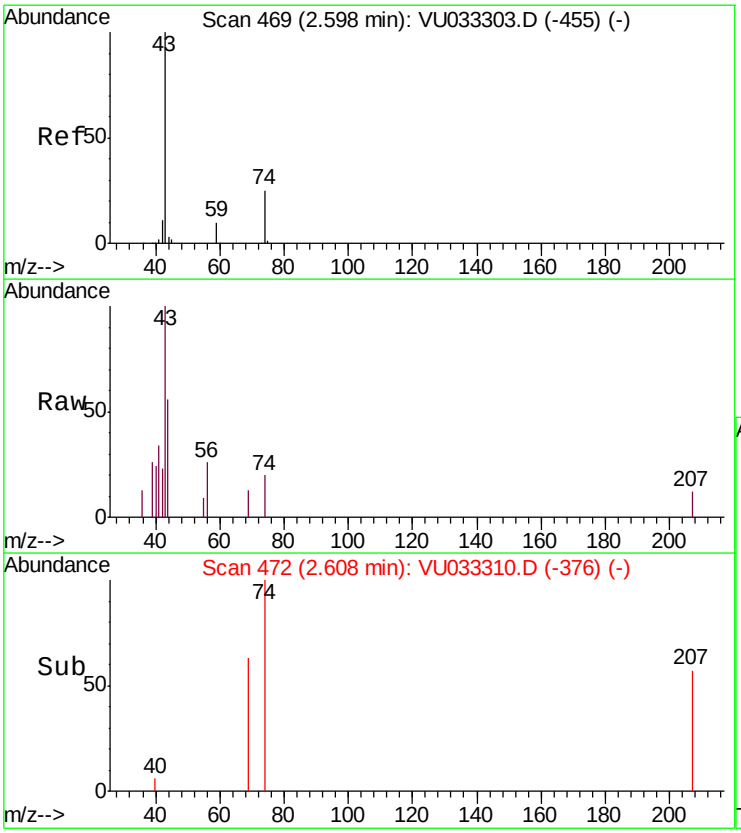
#13
Acetone
Concen: 11.597 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.00 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 43 Resp: 23441

Ion	Ratio	Lower	Upper
43	100		
58	32.6	0.0	65.4

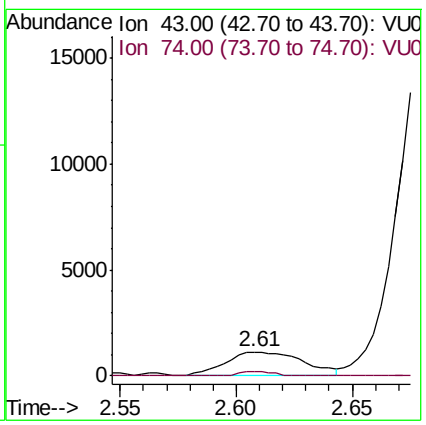


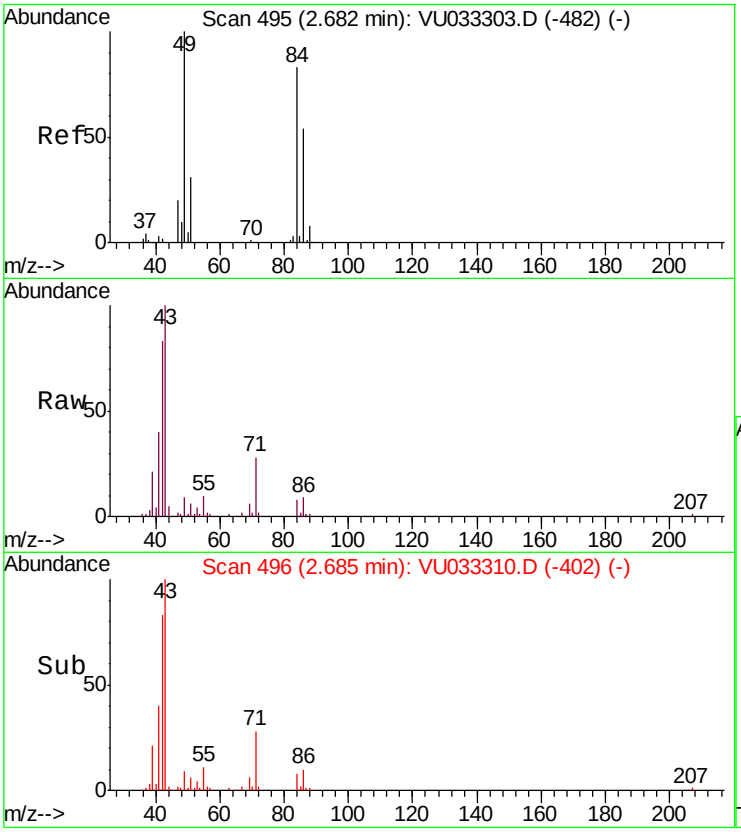


#15
Methyl Acetate
Concen: 1.009 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.01 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Tgt Ion: 43 Resp: 2664

Ion	Ratio	Lower	Upper
43	100		
74	7.6	19.9	29.9#



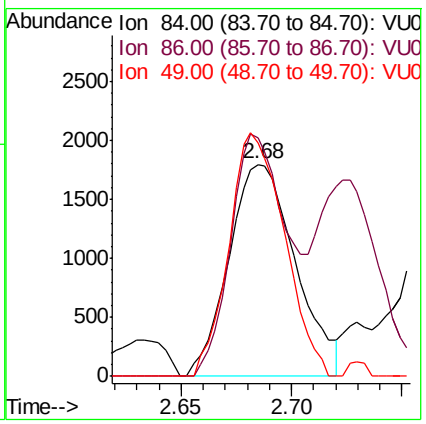


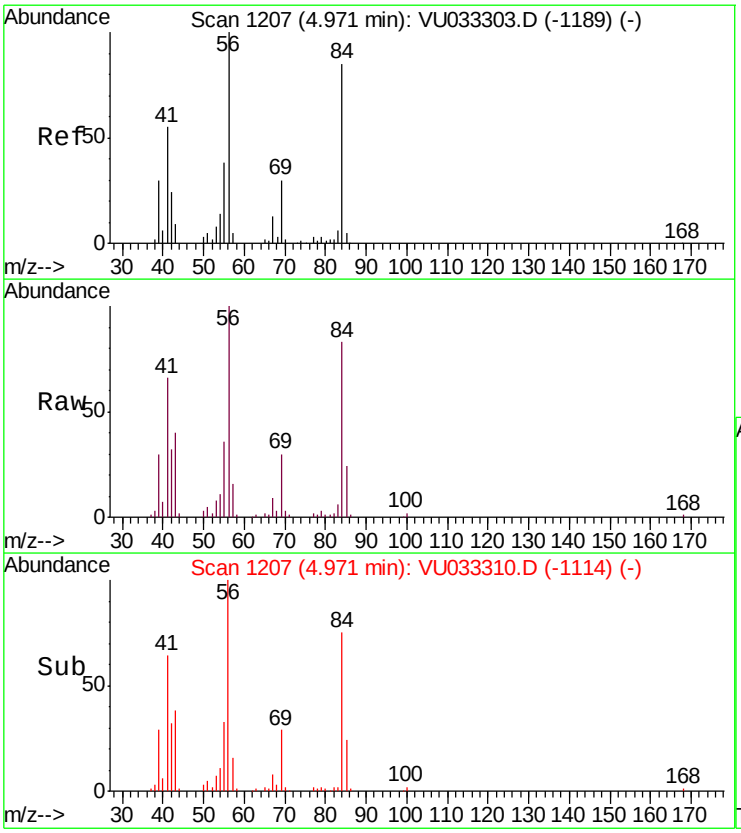
#16
Methylene chloride
Concen: 1.462 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Instrument : MSVOA_U
ClientSampleId : GAMR0

Tgt Ion: 84 Resp: 3759

Ion	Ratio	Lower	Upper
84	100		
86	112.5	45.7	84.9#
49	110.4	87.7	162.9

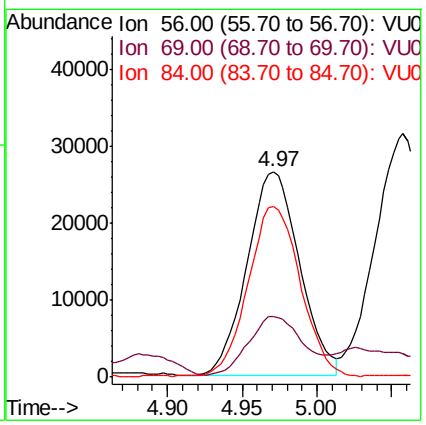


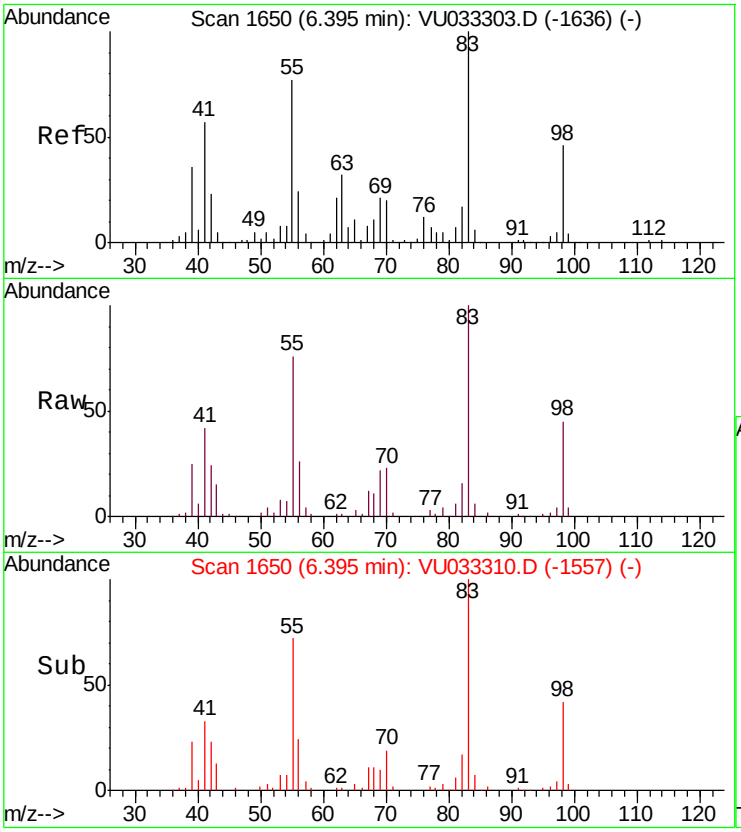


#29
Cyclohexane
Concen: 17.916 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Tgt Ion: 56 Resp: 64827

Ion	Ratio	Lower	Upper
56	100		
69	29.0	24.7	37.1
84	82.5	70.2	105.2



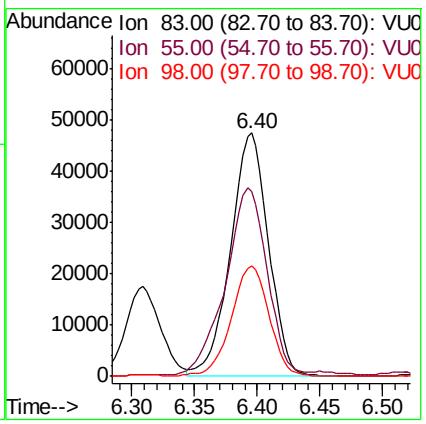


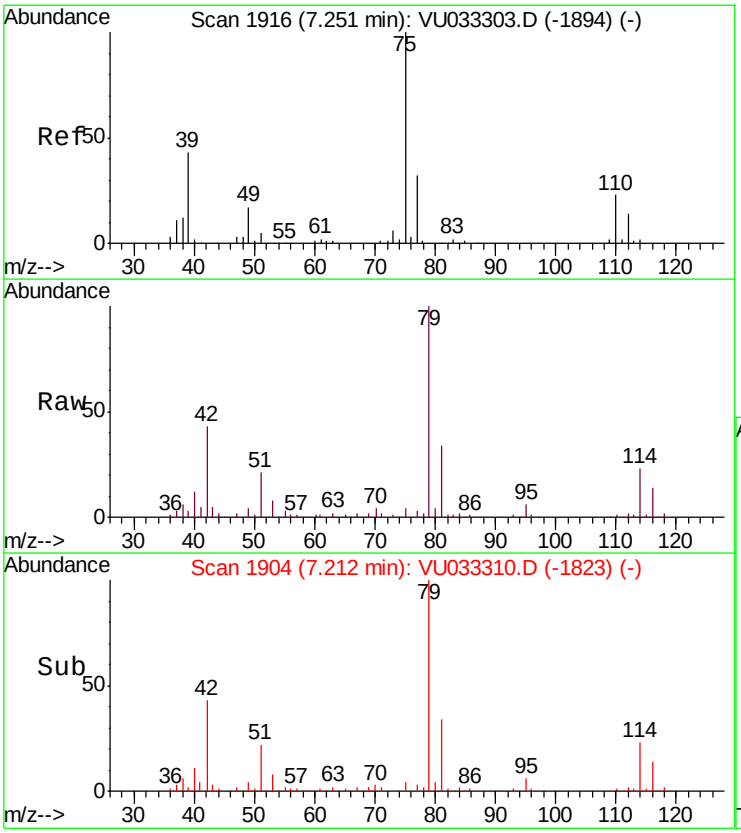
#35
Methylcyclohexane
Concen: 25.538 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 83 Resp: 99077

Ion	Ratio	Lower	Upper
83	100		
55	84.9	60.5	90.7
98	45.1	37.4	56.0

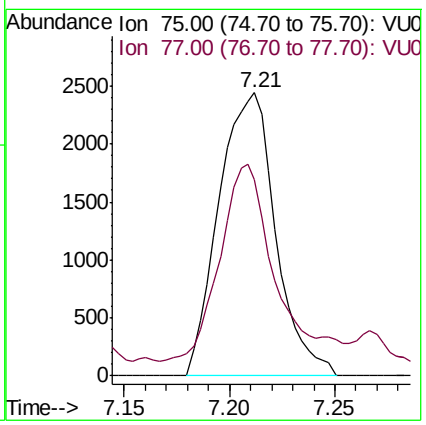


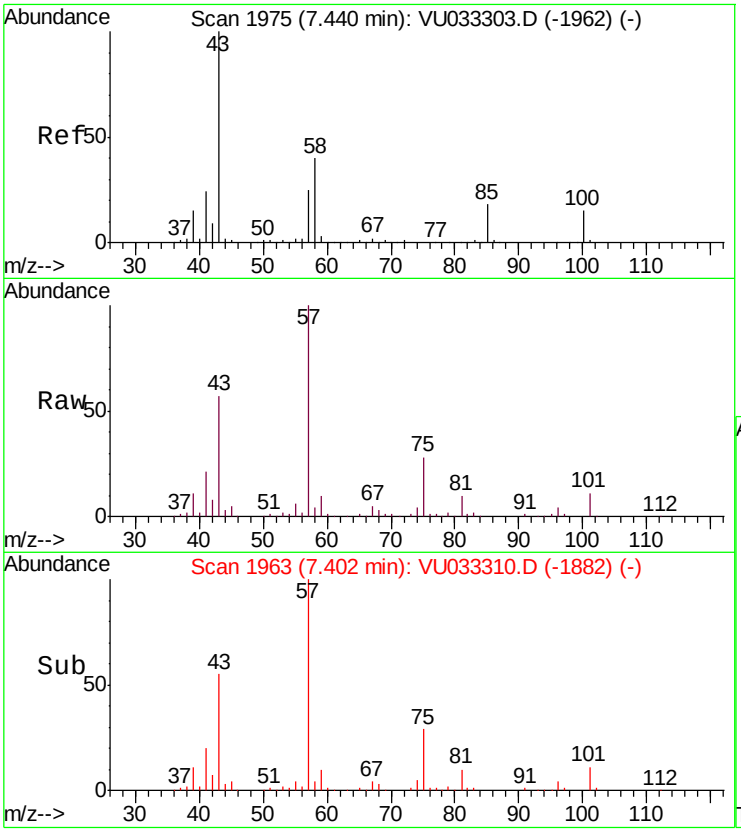


#39
cis-1,3-Dichloropropene
Concen: 1.135 ug/L
RT: 7.21 min Scan# 1904
Delta R.T. -0.04 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Tgt Ion: 75 Resp: 4571

Ion	Ratio	Lower	Upper
75	100		
77	69.3	23.1	42.9#



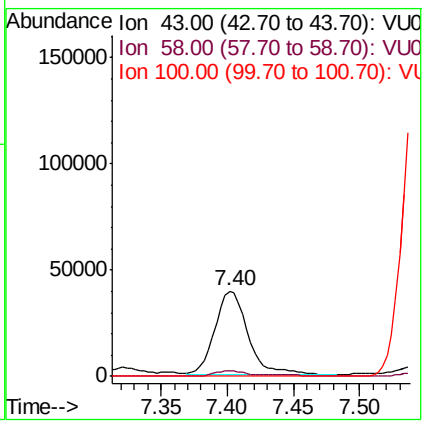


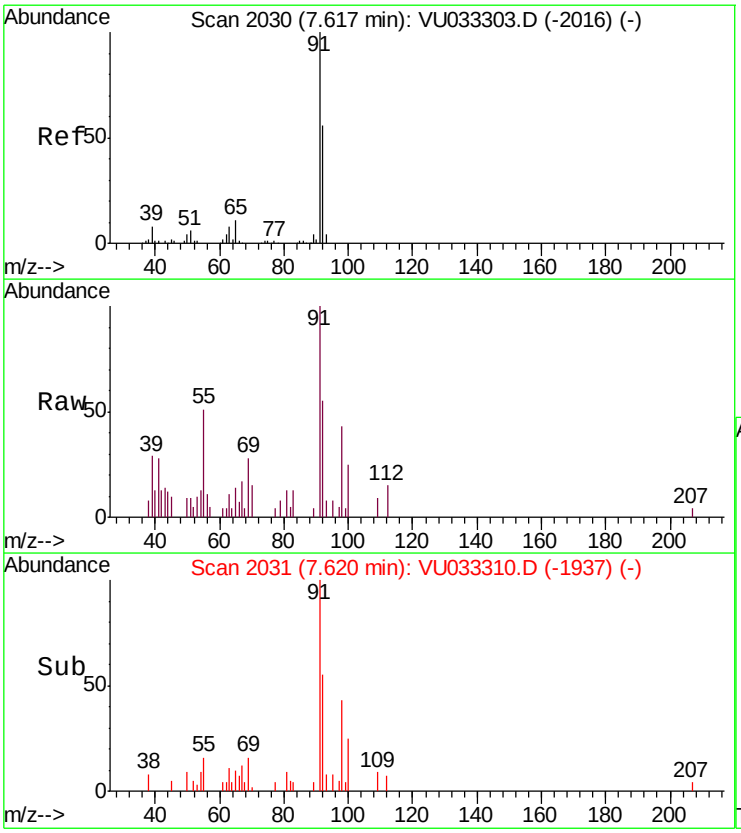
#40
4-Methyl-2-pentanone
Concen: 19.497 ug/L
RT: 7.40 min Scan# 1963
Delta R.T. -0.04 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 43 Resp: 68690

Ion	Ratio	Lower	Upper
43	100		
58	6.4	33.3	49.9#
100	0.0	12.1	18.1#

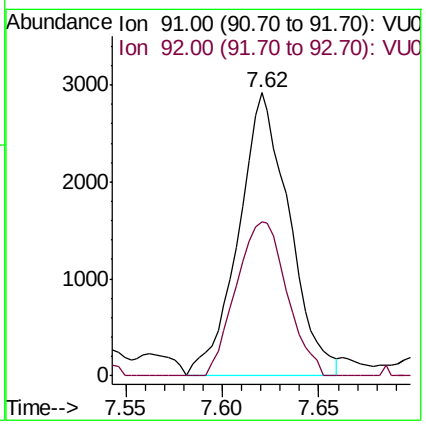


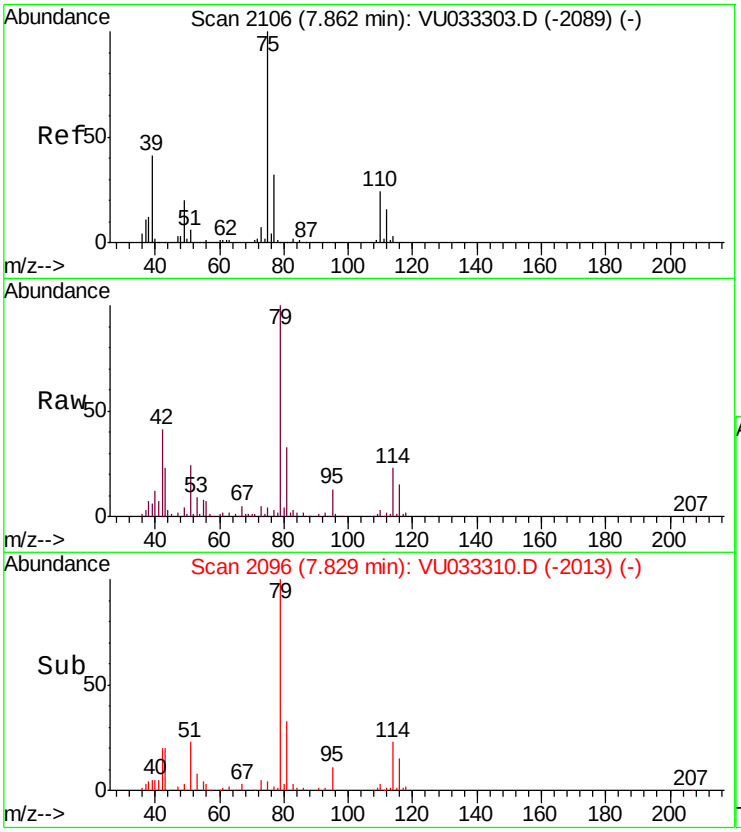


#42
Toluene
Concen: 0.510 ug/L
RT: 7.62 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Tgt Ion: 91 Resp: 5326

Ion	Ratio	Lower	Upper
91	100		
92	54.6	39.8	74.0



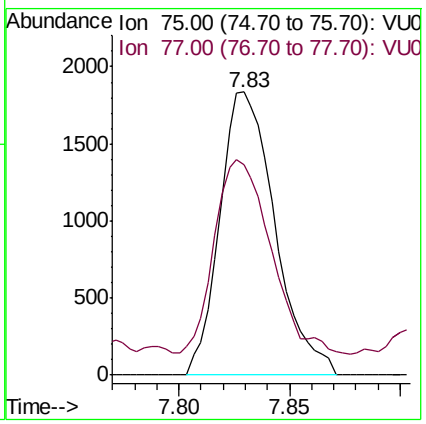


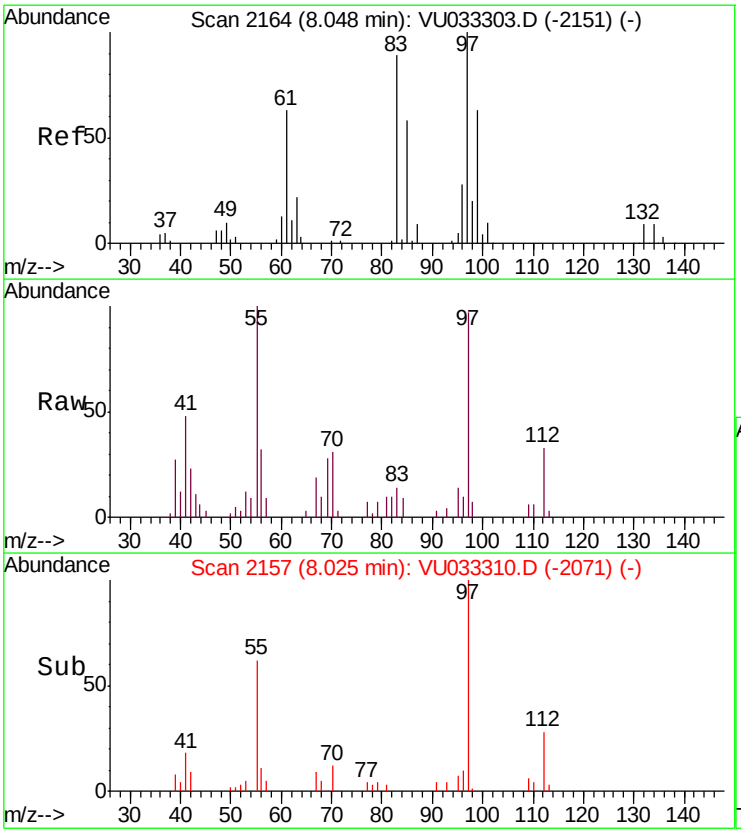
#44
trans-1,3-Dichloropropene
Concen: 0.875 ug/L
RT: 7.83 min Scan# 2096
Delta R.T. -0.03 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 75 Resp: 3179

Ion	Ratio	Lower	Upper
75	100		
77	74.1	22.4	41.6#

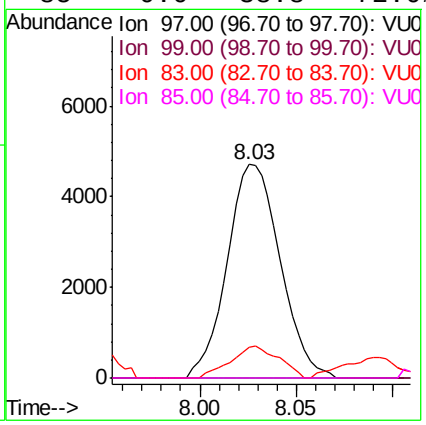


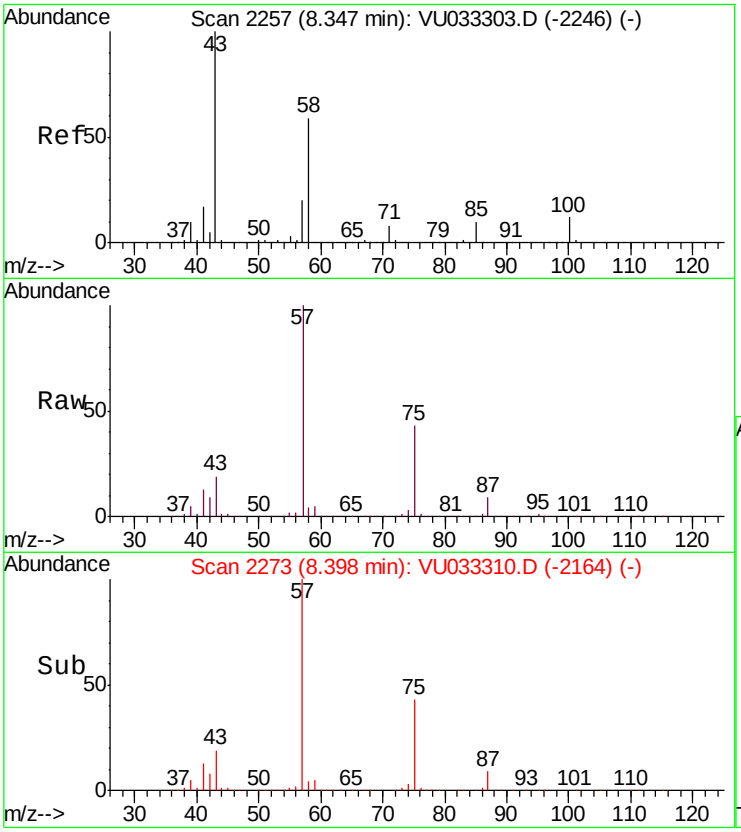


#45
1,1,2-Trichloroethane
Concen: 3.618 ug/L
RT: 8.03 min Scan# 2157
Delta R.T. -0.02 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Tgt Ion: 97 Resp: 8987

Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.0	79.8#
83	14.5	61.5	114.3#
85	0.0	38.8	72.0#



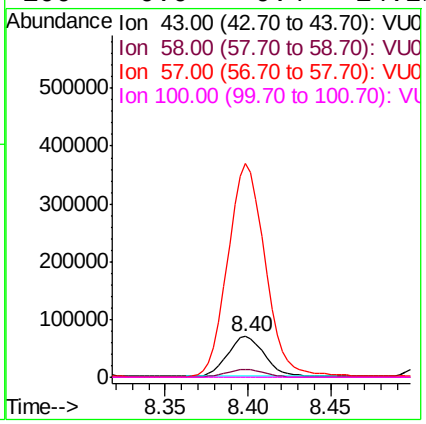


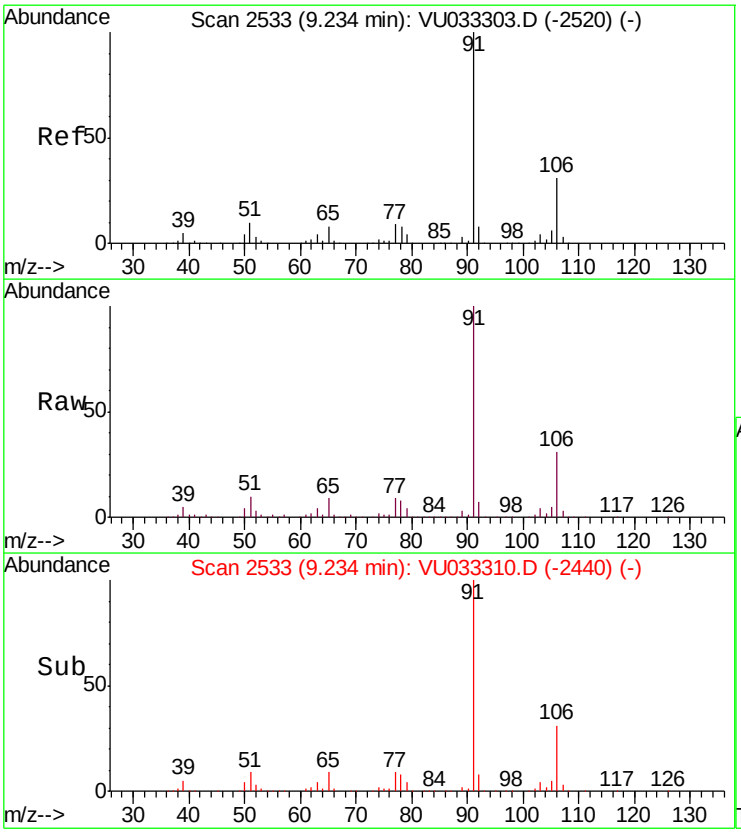
#48
2-Hexanone
Concen: 37.468 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.05 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 43 Resp: 107539

Ion	Ratio	Lower	Upper
43	100		
58	19.7	46.1	69.1#
57	544.8	15.8	23.8#
100	0.0	9.4	14.2#

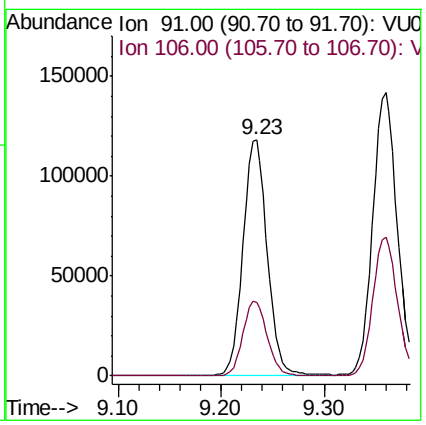


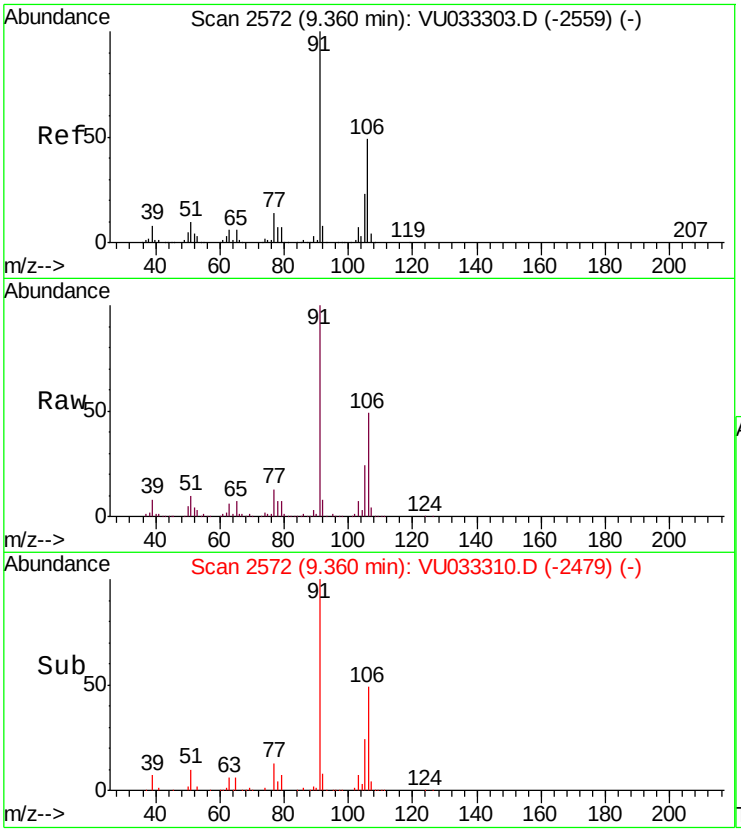


#52
Ethylbenzene
Concen: 17.225 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. -0.00 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Tgt Ion: 91 Resp: 192429

Ion	Ratio	Lower	Upper
91	100		
106	31.4	22.2	41.2



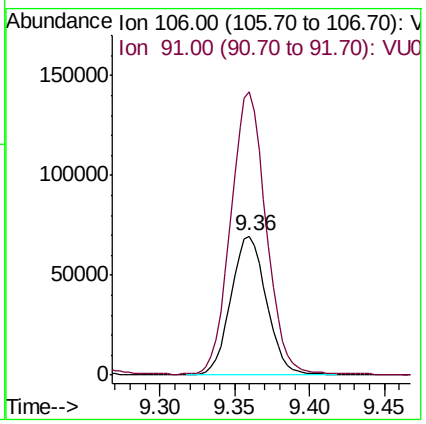


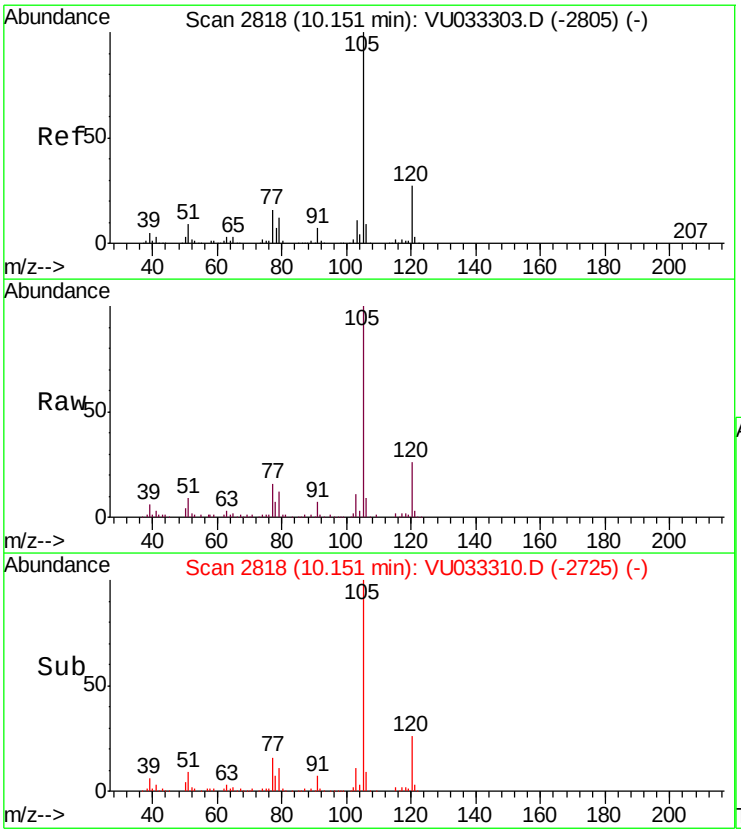
#53
m,p-Xylene
Concen: 27.157 ug/L
RT: 9.36 min Scan# 2572
Delta R.T. -0.00 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion:106 Resp: 114915

Ion	Ratio	Lower	Upper
106	100		
91	203.5	141.3	262.3

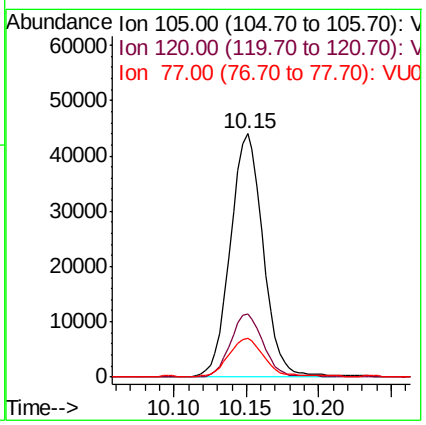


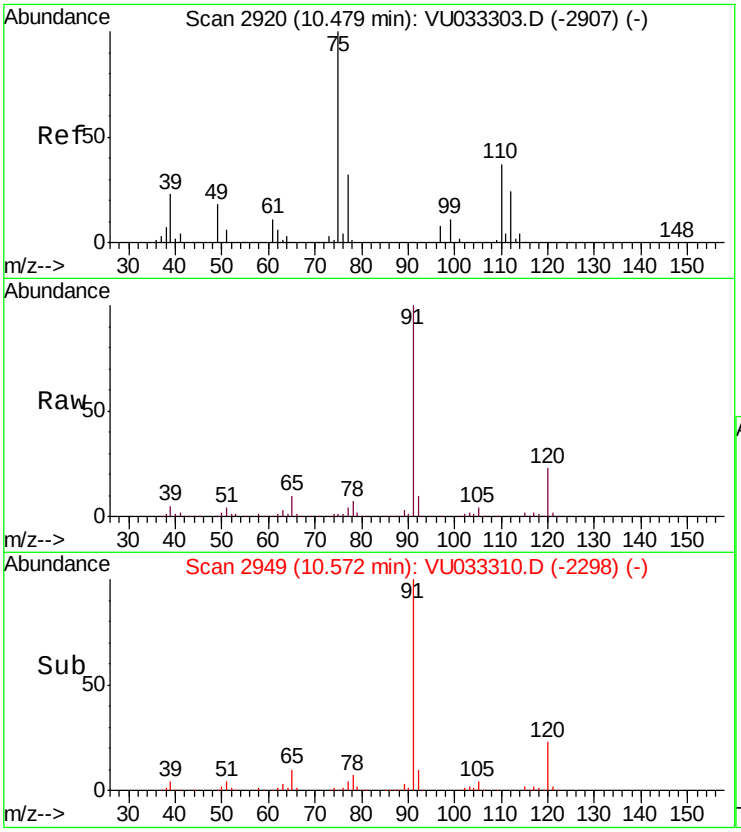


#56
Isopropylbenzene
Concen: 6.392 ug/L
RT: 10.15 min Scan# 2818
Delta R.T. -0.00 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Tgt Ion:105 Resp: 69115

Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.2	31.8
77	17.6	12.9	19.3



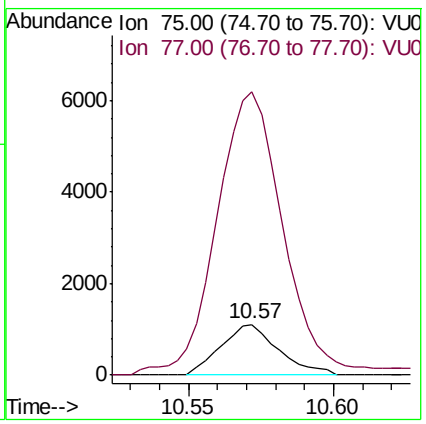


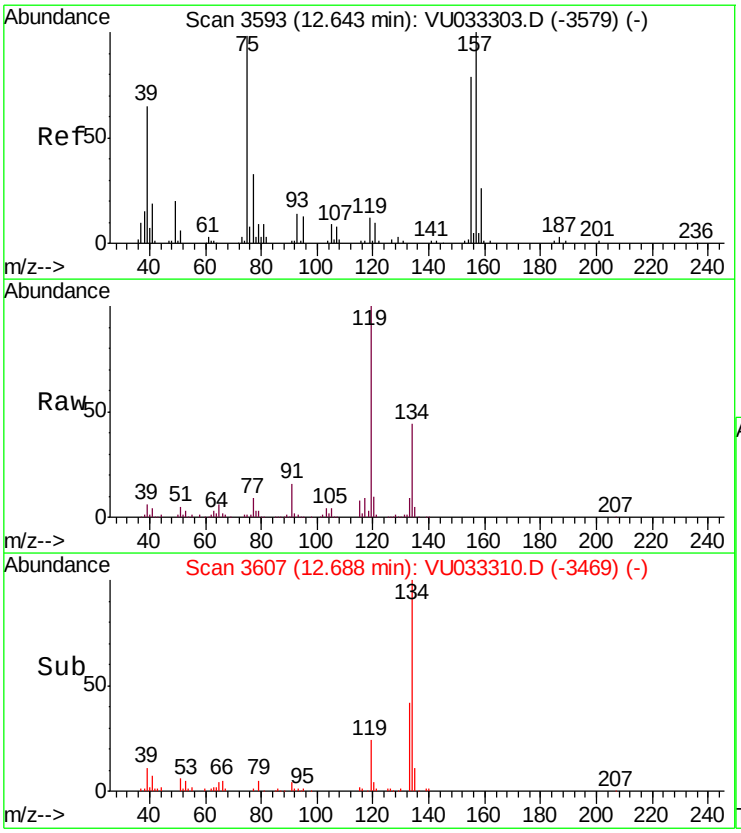
#59
1,2,3-Trichloropropane
Concen: 0.450 ug/L
RT: 10.57 min Scan# 2949
Delta R.T. 0.09 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 75 Resp: 1540

Ion	Ratio	Lower	Upper
75	100		
77	640.7	26.0	39.0#

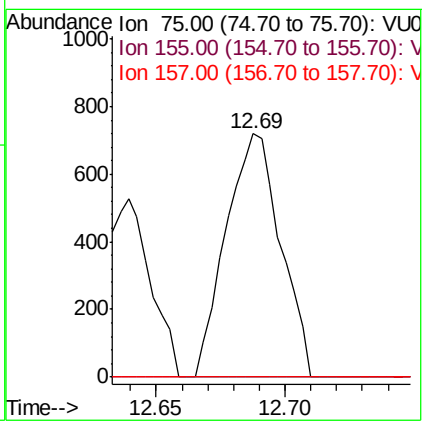


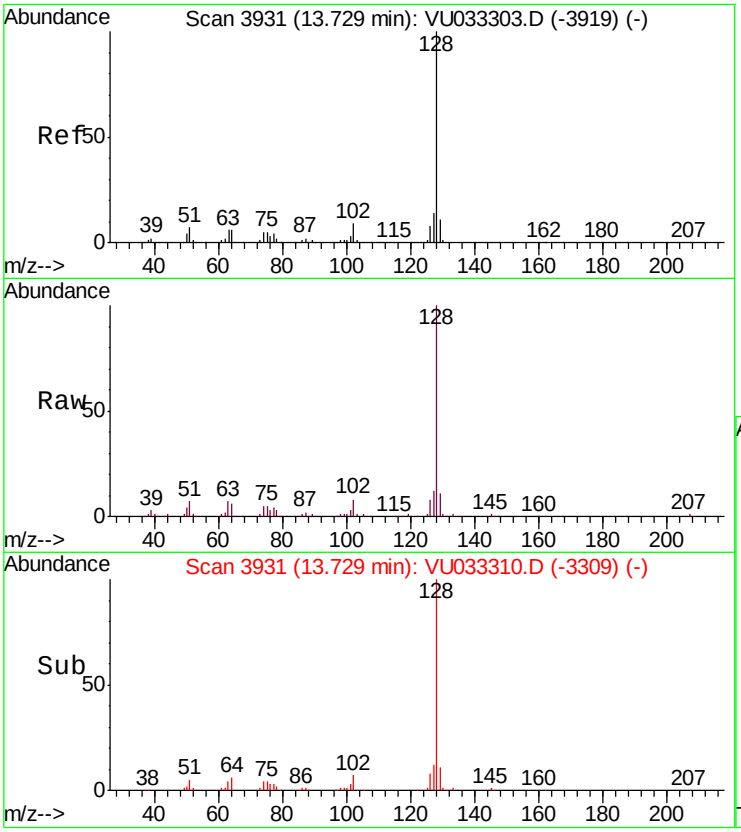


#66
1,2-Dibromo-3-chloropropane
Concen: 1.043 ug/L
RT: 12.69 min Scan# 3607
Delta R.T. 0.04 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Tgt Ion: 75 Resp: 1061

Ion	Ratio	Lower	Upper
75	100		
155	0.0	63.5	95.3#
157	0.0	84.6	127.0#





#69
Naphthalene
Concen: 9.881 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. -0.00 min
Lab File: VU033310.D
Acq: 18 Jul 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion:128 Resp: 103891

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	11.8	8.7	13.1