Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102219\
Data File : VU035356.D
Acq On : 22 Oct 2019 11:31
Operator : JC/SP
Sample : K5461-15MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: Oct 23 06:52:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 06:48:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	300537	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	293752	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	116760	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.62	65	77246	4.21	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 84.20%			
7) Chloroethane-d5	1.93	69	78444	4.68	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 93.60%			
11) 1,1-Dichloroethene-d2	2.60	63	147435	4.35	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 87.00%			
20) 2-Butanone-d5	4.70	46	271094	51.48	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 102.96%			
24) Chloroform-d	5.11	84	160225	4.79	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.80%			
26) 1,2-Dichloroethane-d4	5.75	65	91664	4.94	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 98.80%			
32) Benzene-d6	5.77	84	328739	4.89	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.80%			
36) 1,2-Dichloropropane-d6	6.74	67	113741	5.33	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 106.60%			
41) Toluene-d8	7.93	98	287284	4.47	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 89.40%			
43) trans-1,3-Dichloropropene-	8.22	79	41005	3.96	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 79.20%			
46) 2-Hexanone-d5	8.68	63	213785	46.83	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 93.66%			
57) 1,1,2,2-Tetrachloroethane-	10.79	84	97142	5.11	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 102.20%			
64) 1,2-Dichlorobenzene-d4	12.22	152	99097	4.66	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 93.20%			
Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	15223	0.584	ug/L #	45
12) 1,1-Dichloroethene	2.61	96	68880	3.568	ug/L	93
13) Acetone	2.67	43	30222	8.250	ug/L	96
15) Methyl Acetate	2.99	43	6789	0.744	ug/L #	52
16) Methylene chloride	3.08	84	1485	0.064	ug/L	96
17) Methyl tert-butyl Ether	3.43	73	88374	1.701	ug/L #	95
18) trans-1,2-Dichloroethene	3.39	96	7220	0.346	ug/L	95
19) 1,1-Dichloroethane	3.92	63	3552	0.094	ug/L #	84
21) 2-Butanone	4.78	43	14059	2.355	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	126660	5.500	ug/L	97
25) Chloroform	5.14	83	8520	0.206	ug/L	83
27) 1,2-Dichloroethane	5.82	62	3487	0.138	ug/L #	74
33) Benzene	5.82	78	361313	4.180	ug/L	100
34) Trichloroethene	6.58	95	466704	20.085	ug/L	98
35) Methylcyclohexane	6.74	83	26243	0.676	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	12345	0.563	ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2692	0.073	ug/L #	17

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102219\
Data File : VU035356.D
Acq On : 22 Oct 2019 11:31
Operator : JC/SP
Sample : K5461-15MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: Oct 23 06:52:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 06:48:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Toluene	8.01	91	404419	4.239	ug/L		98
47) Tetrachloroethene	8.58	164	15786	0.815	ug/L		99
48) 2-Hexanone	8.73	43	15194	1.463	ug/L	#	86
49) Dibromochloromethane	8.58	129	14664	0.710	ug/L	#	11
51) Chlorobenzene	9.48	112	260633	4.231	ug/L		99
53) m,p-Xylene	9.73	106	4828	0.118	ug/L		85
59) 1,2,3-Trichloropropane	11.84	75	14625	0.957	ug/L	#	85

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102219\
Data File : VU035356.D
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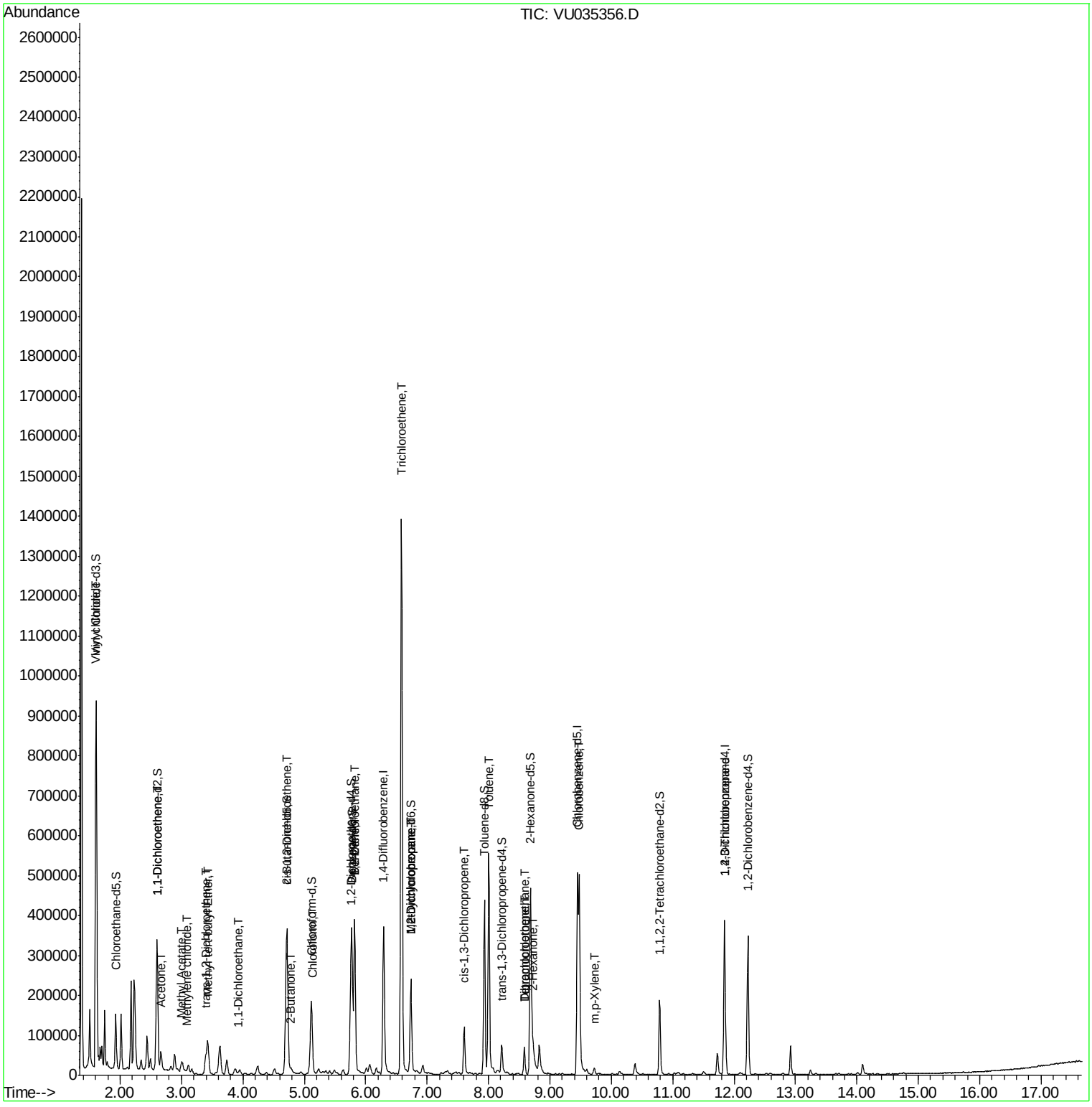
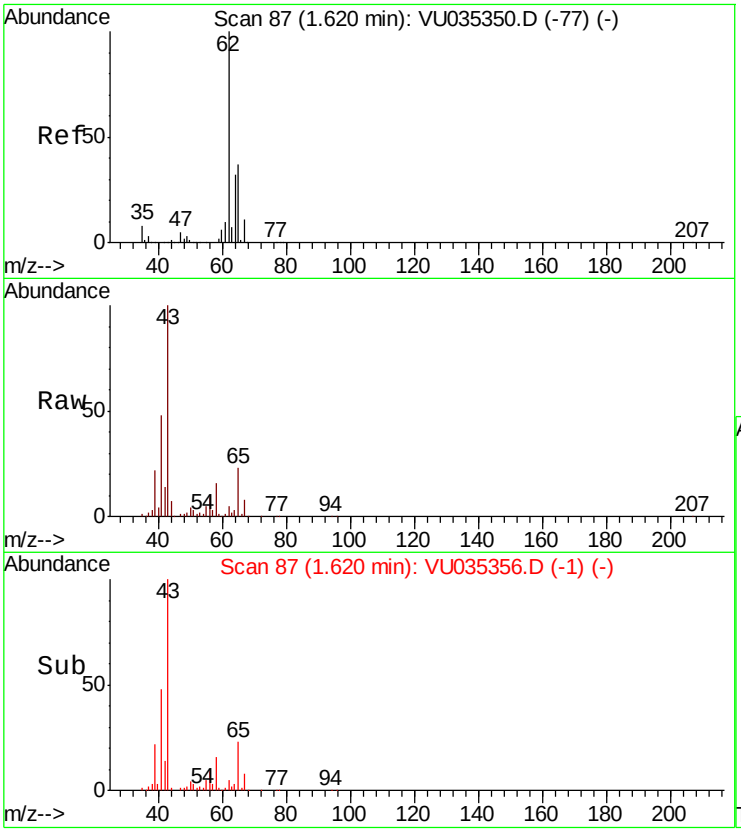


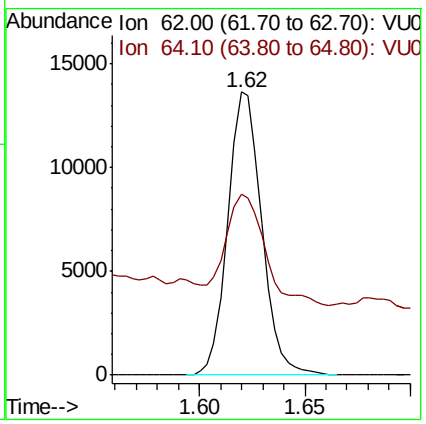


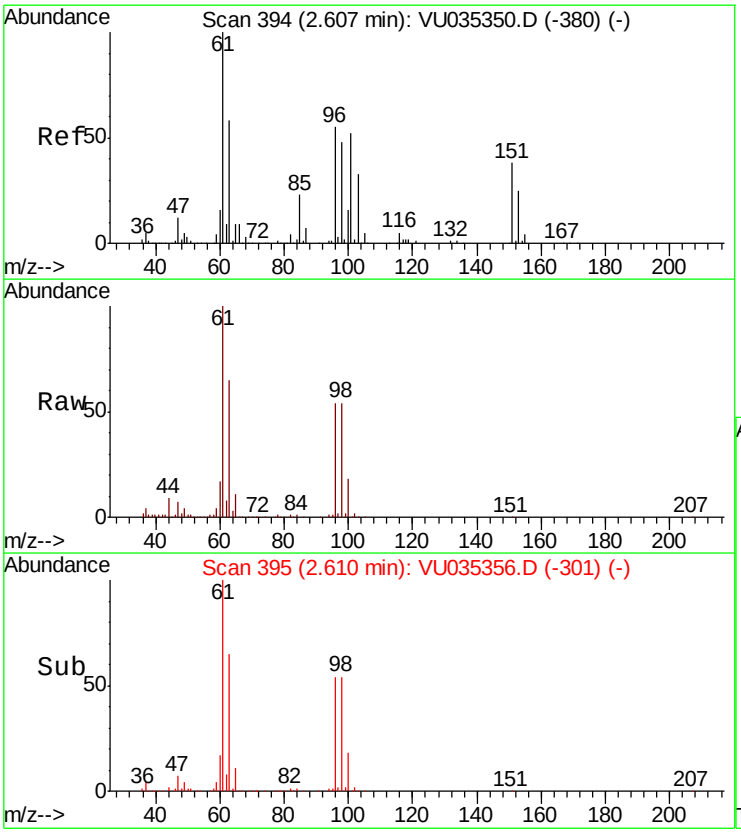
#5
Vinyl chloride
Concen: 0.584 ug/L
RT: 1.62 min Scan# 87
Delta R.T. -0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 62 Resp: 15223

Ion	Ratio	Lower	Upper
62	100		
64	63.8	22.9	42.5#

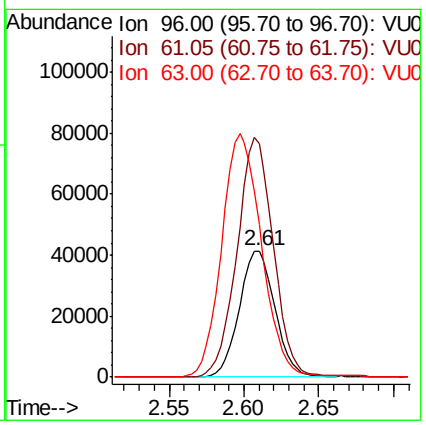


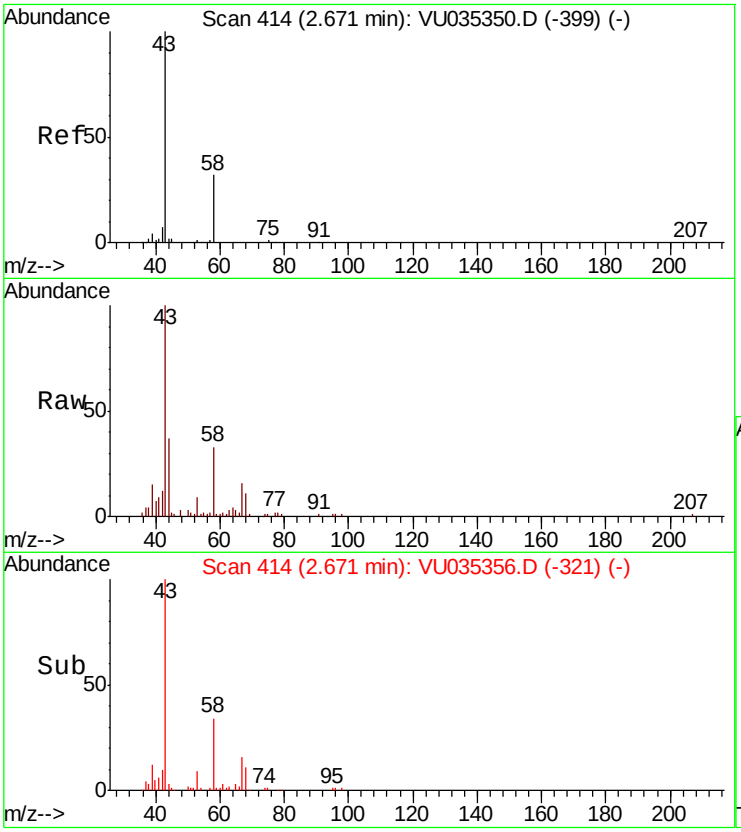


#12
1,1-Dichloroethene
Concen: 3.568 ug/L
RT: 2.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Tgt Ion: 96 Resp: 68880

Ion	Ratio	Lower	Upper
96	100		
61	185.5	120.6	224.0
63	120.8	86.8	161.2



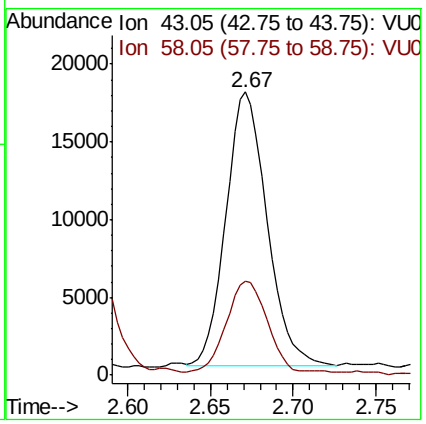


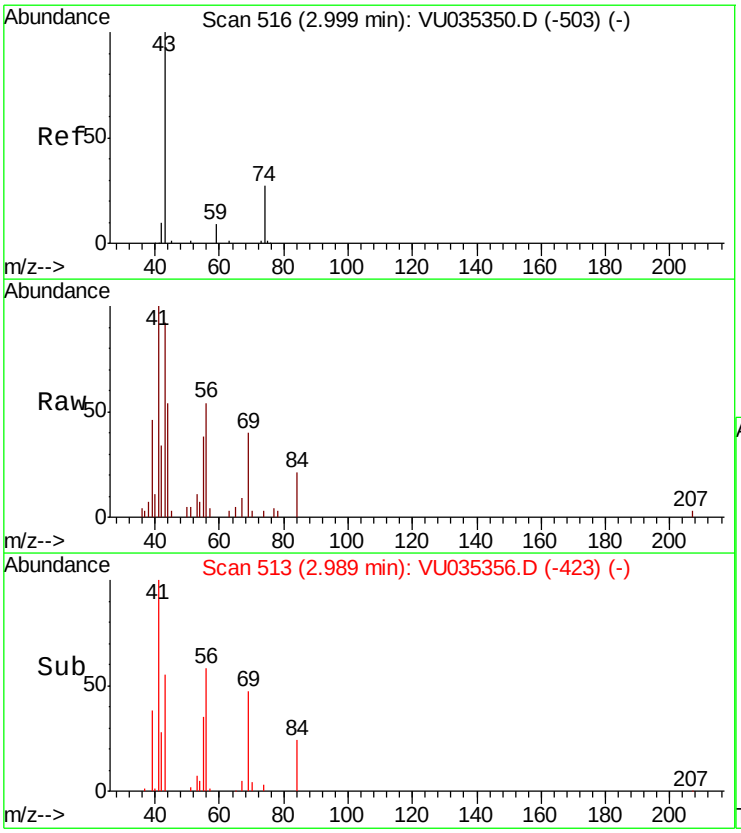
#13
Acetone
Concen: 8.250 ug/L
RT: 2.67 min Scan# 414
Delta R.T. -0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 30222

Ion	Ratio	Lower	Upper
43	100		
58	33.0	0.0	61.8

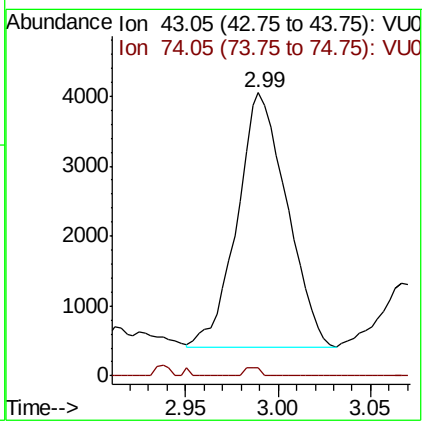


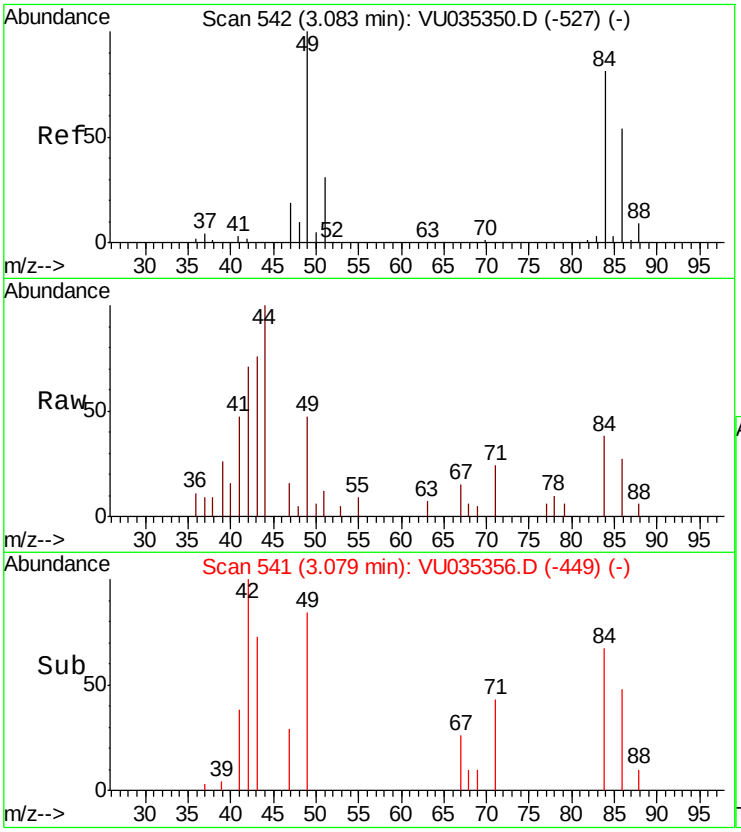


#15
Methyl Acetate
Concen: 0.744 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Tgt Ion: 43 Resp: 6789

Ion	Ratio	Lower	Upper
43	100		
74	1.0	20.3	30.5#



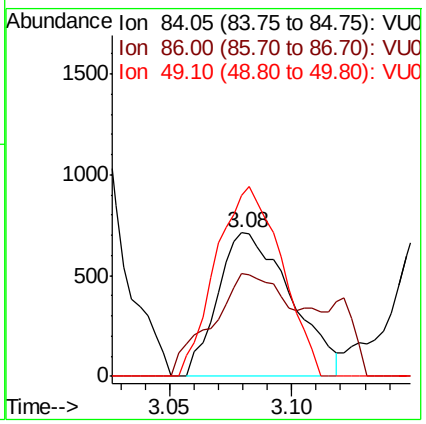


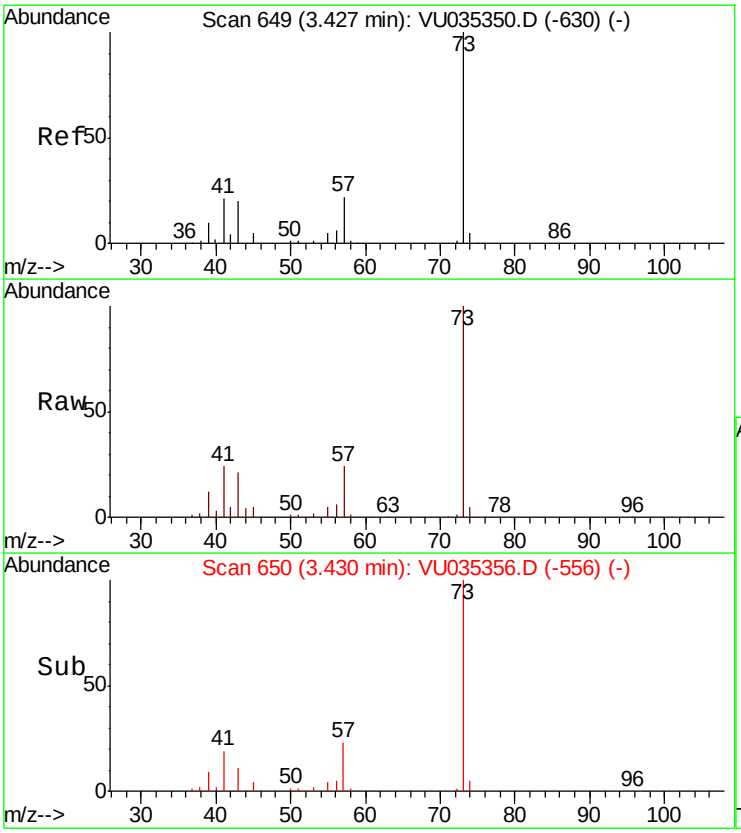
#16
Methylene chloride
Concen: 0.064 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 84 Resp: 1485

Ion	Ratio	Lower	Upper
84	100		
86	71.5	45.4	84.2
49	125.7	86.8	161.2

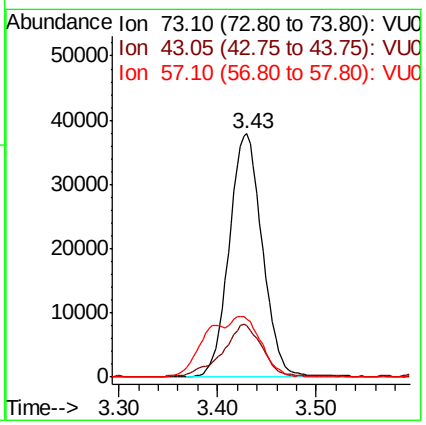


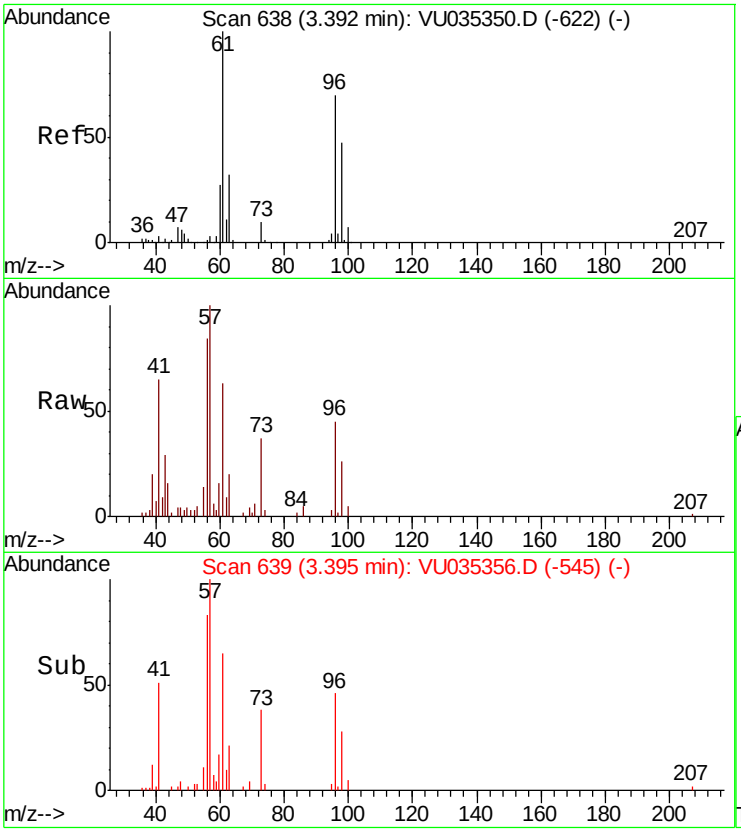


#17
Methyl tert-butyl Ether
Concen: 1.701 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Tgt Ion: 73 Resp: 88374

Ion	Ratio	Lower	Upper
73	100		
43	24.3	16.0	24.0#
57	21.7	17.4	26.2



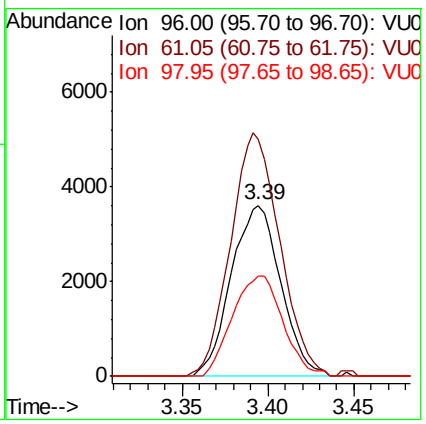


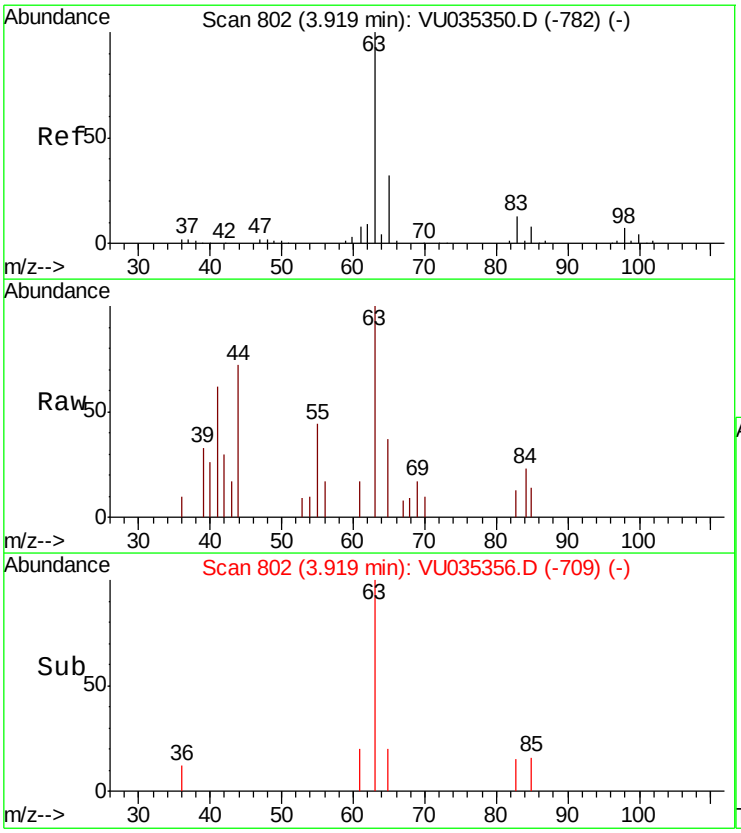
#18
trans-1,2-Dichloroethene
Concen: 0.346 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 7220

Ion	Ratio	Lower	Upper
96	100		
61	138.9	93.0	172.6
98	58.4	43.7	81.1

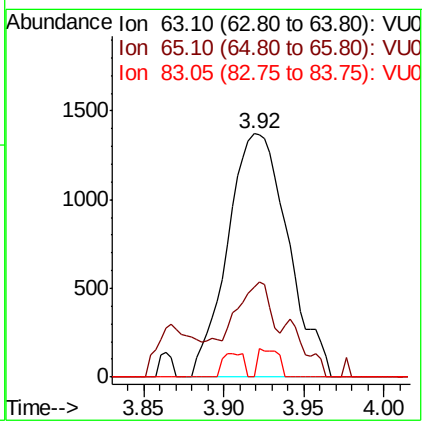


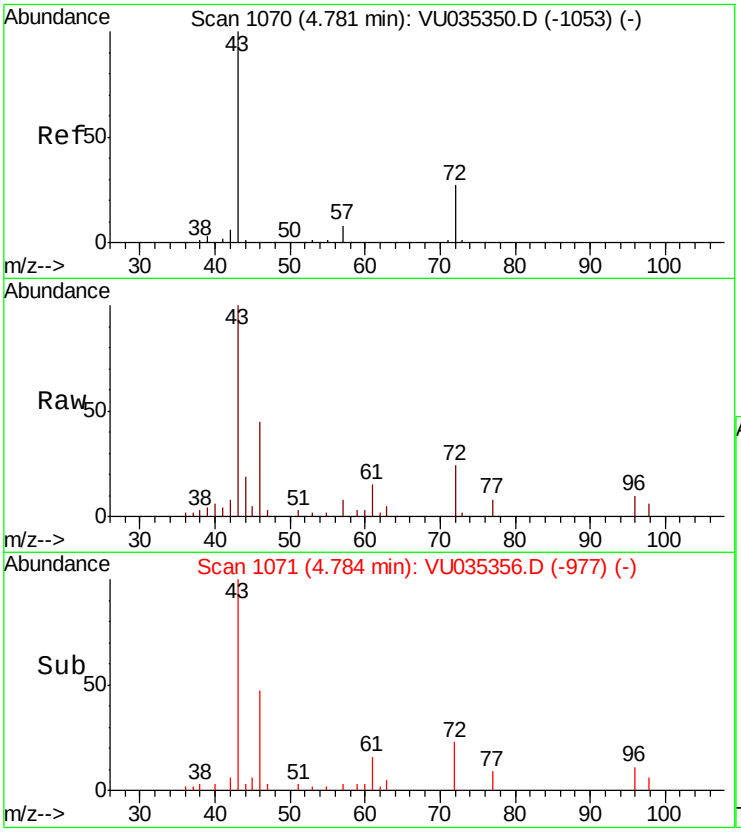


#19
1,1-Dichloroethane
Concen: 0.094 ug/L
RT: 3.92 min Scan# 802
Delta R.T. -0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Tgt Ion: 63 Resp: 3552

Ion	Ratio	Lower	Upper
63	100		
65	37.1	22.4	41.6
83	0.0	9.3	17.3#



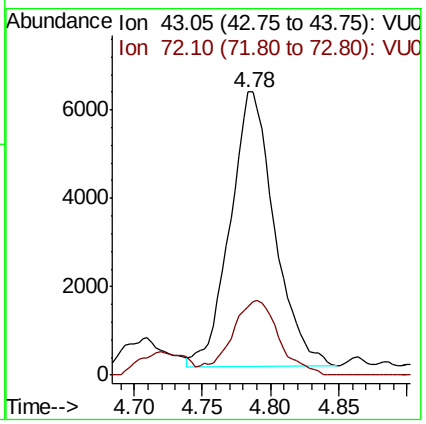


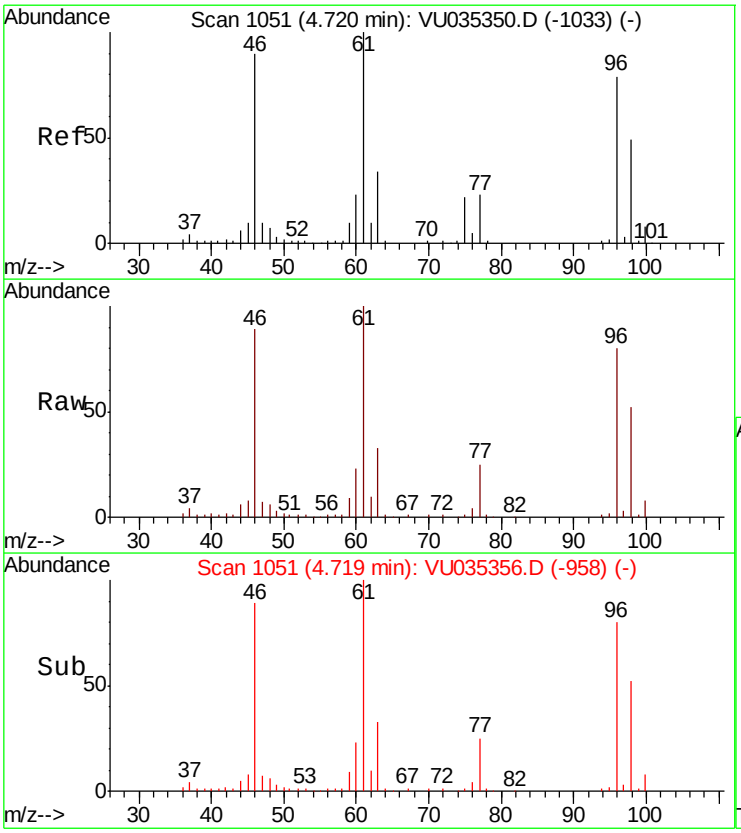
#21
2-Butanone
Concen: 2.355 ug/L
RT: 4.78 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 14059

Ion	Ratio	Lower	Upper
43	100		
72	28.9	13.6	40.8

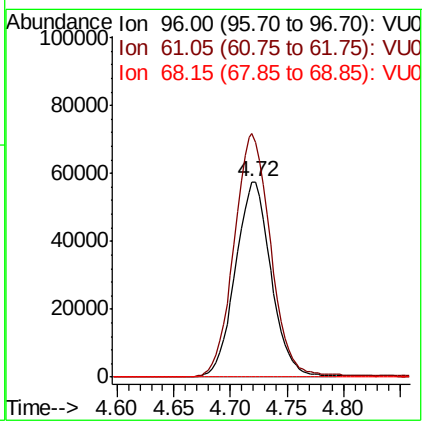


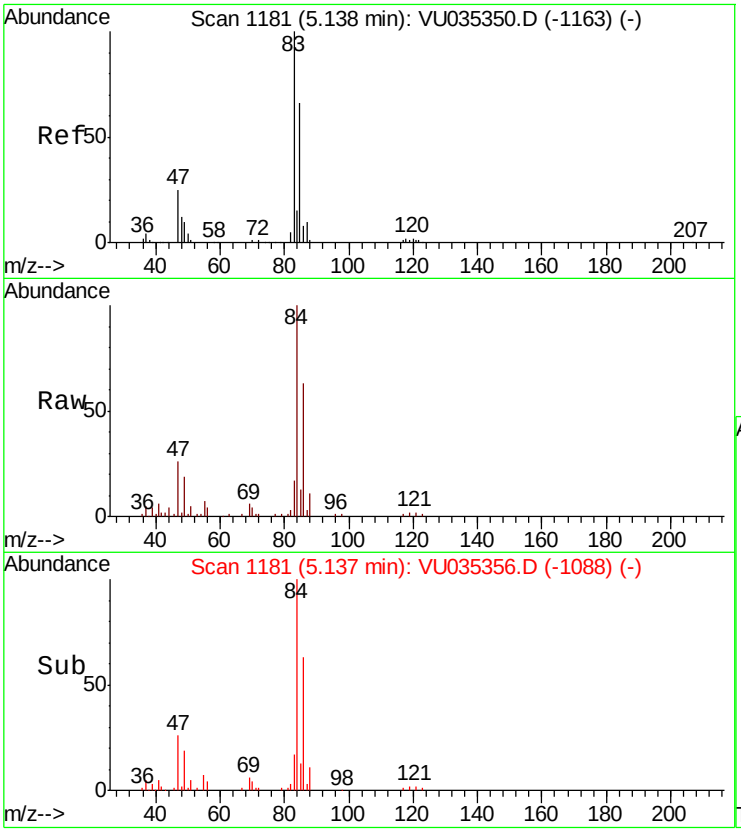


#22
cis-1,2-Dichloroethene
Concen: 5.500 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Tgt Ion: 96 Resp: 126660

Ion	Ratio	Lower	Upper
96	100		
61	124.8	89.7	166.5
68	0.0	0.0	0.0



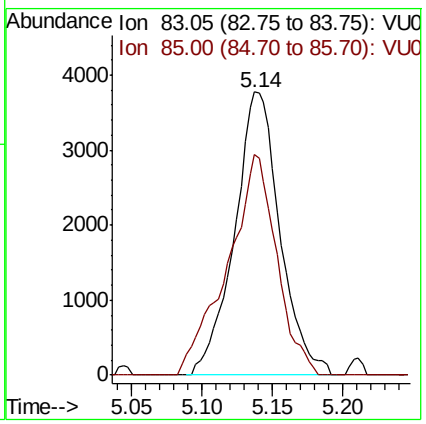


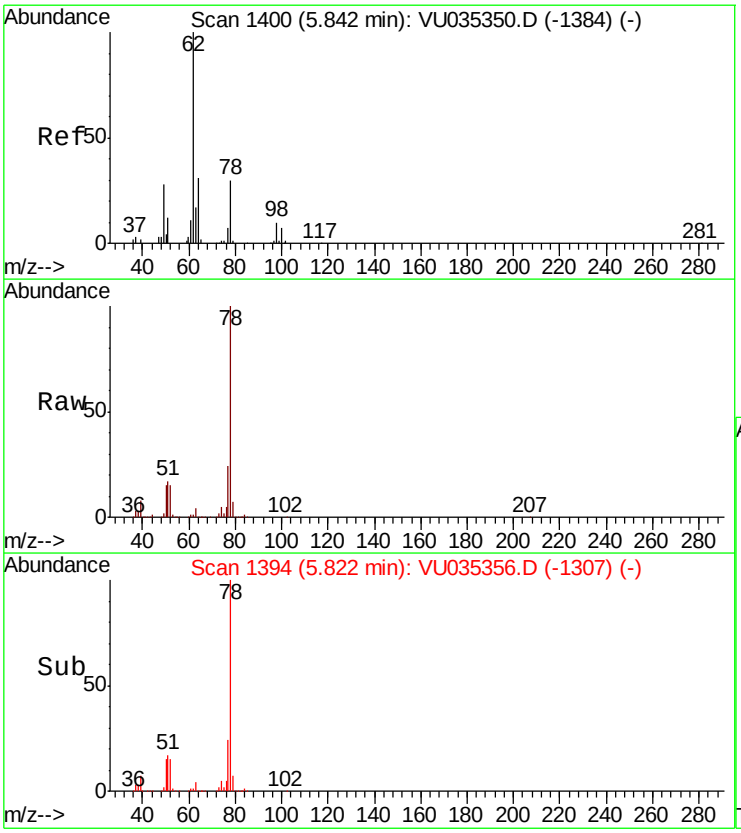
#25
Chloroform
Concen: 0.206 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 8520

Ion	Ratio	Lower	Upper
83	100		
85	77.8	45.1	83.9

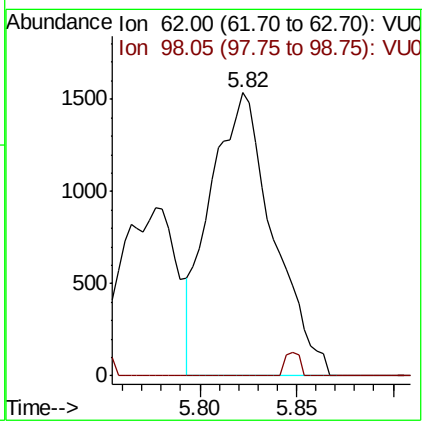


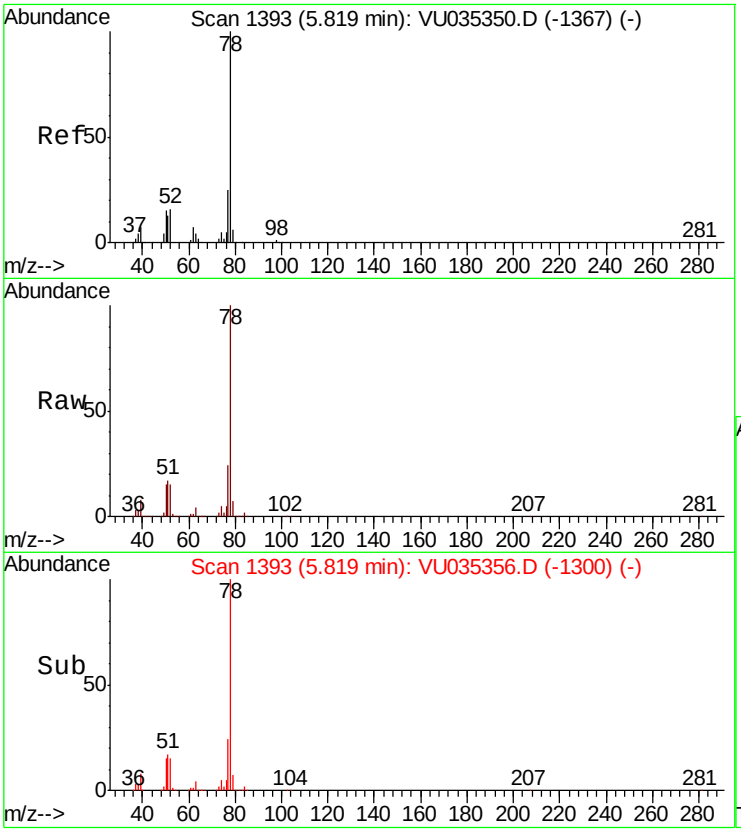


#27
1,2-Dichloroethane
Concen: 0.138 ug/L
RT: 5.82 min Scan# 1394
Delta R.T. -0.02 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Tgt Ion: 62 Resp: 3487

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.8	11.6#

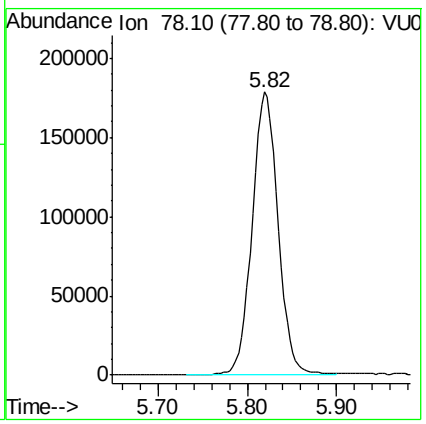


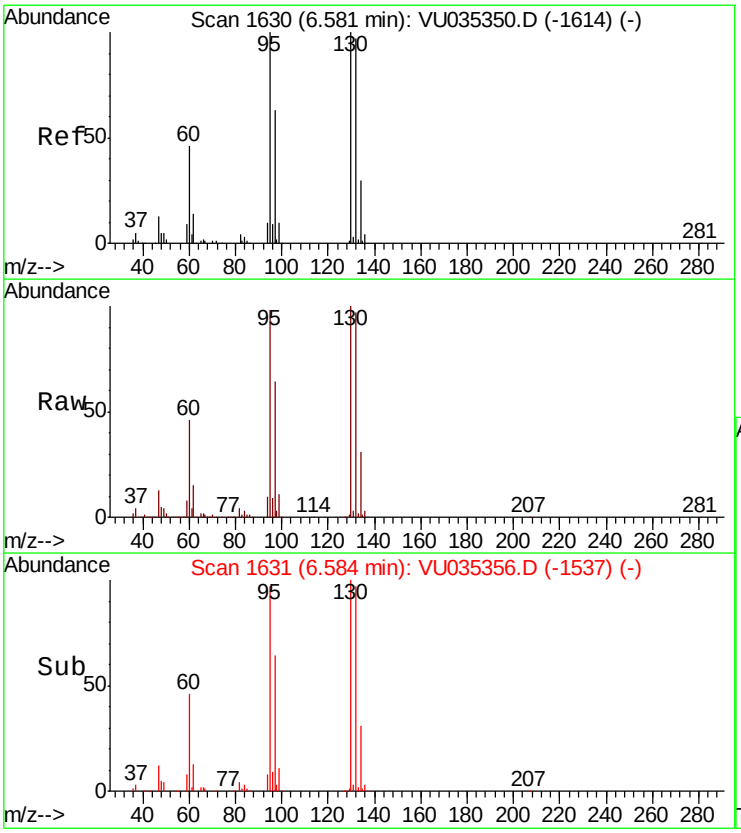


#33
Benzene
Concen: 4.180 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 361313

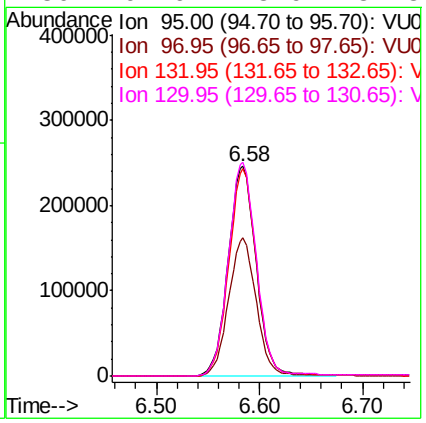


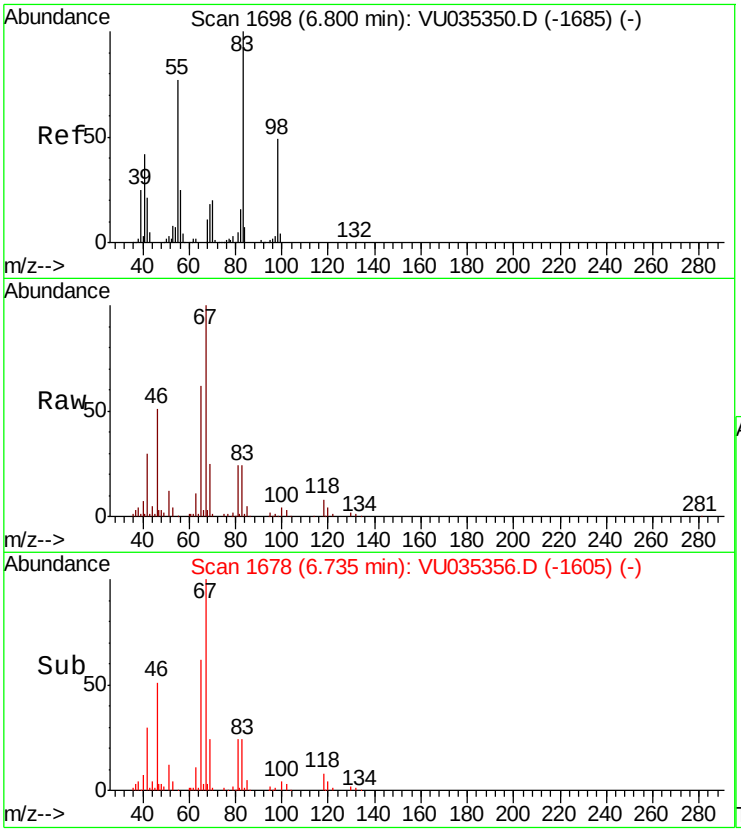


#34
Trichloroethene
Concen: 20.085 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Tgt Ion: 95 Resp: 466704

Ion	Ratio	Lower	Upper
95	100		
97	65.7	46.6	86.6
132	99.1	68.7	127.7
130	101.9	73.9	137.3



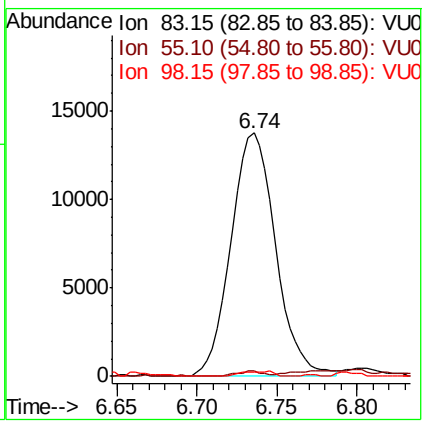


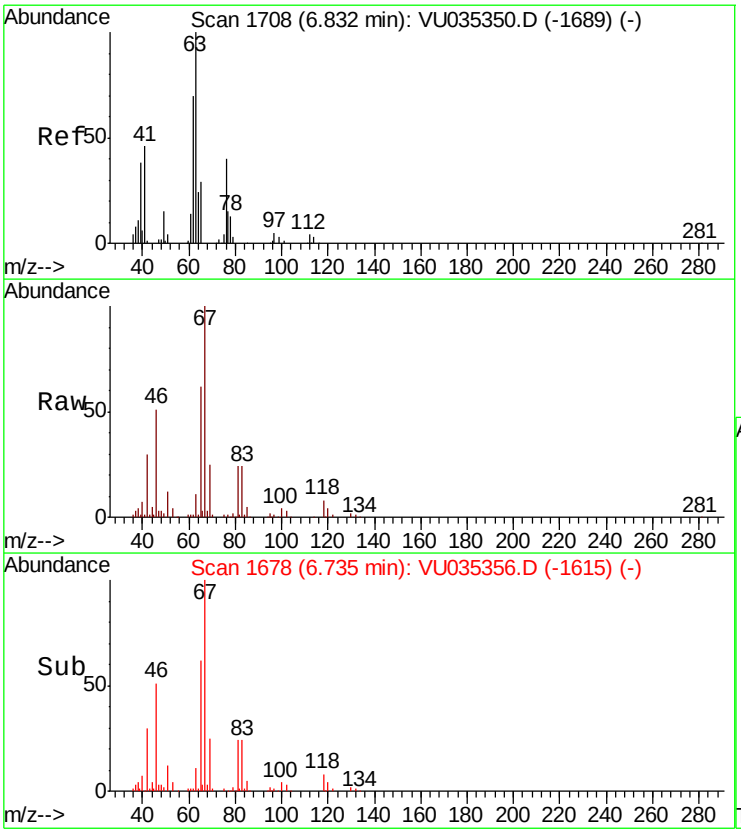
#35
Methylcyclohexane
Concen: 0.676 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 26243

Ion	Ratio	Lower	Upper
83	100		
55	1.3	60.4	90.6#
98	0.0	39.5	59.3#

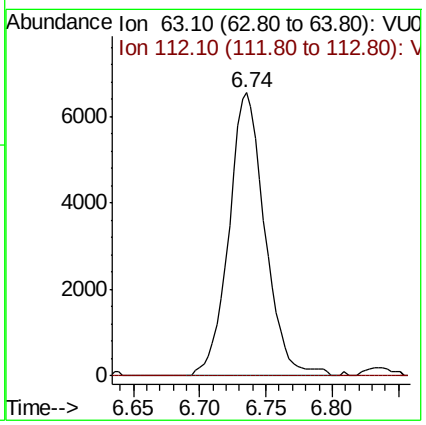


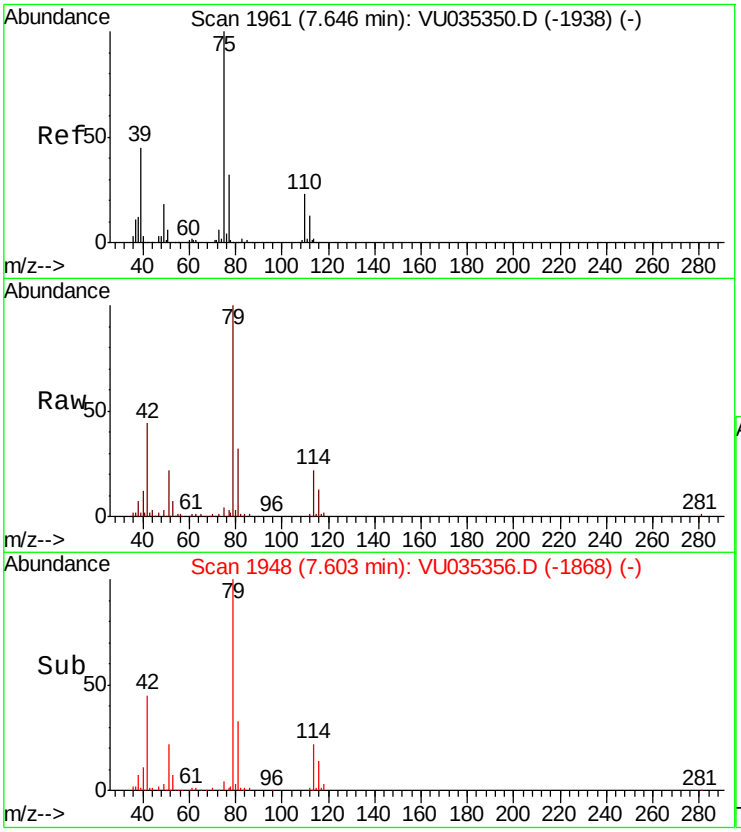


#37
1,2-Dichloropropane
Concen: 0.563 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Tgt Ion: 63 Resp: 12345

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.7	5.5#



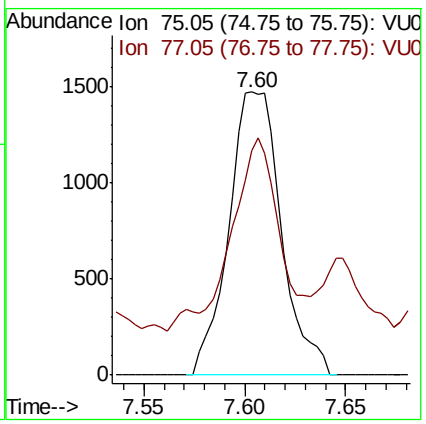


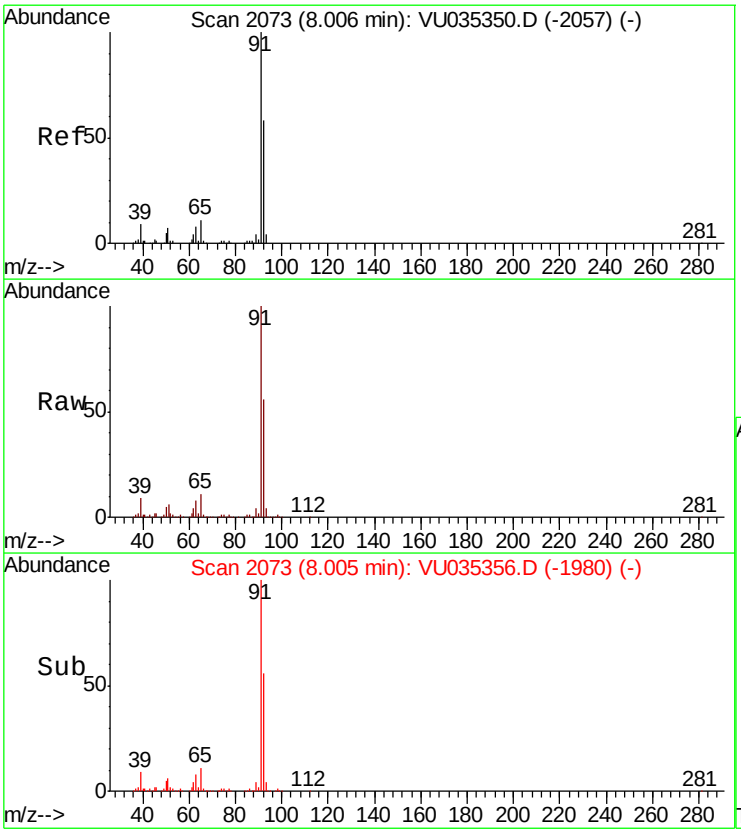
#39
cis-1,3-Dichloropropene
Concen: 0.073 ug/L
RT: 7.60 min Scan# 1948
Delta R.T. -0.04 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 2692

Ion	Ratio	Lower	Upper
75	100		
77	79.1	22.7	42.1#

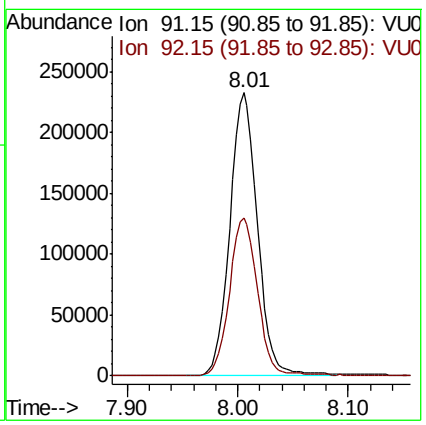


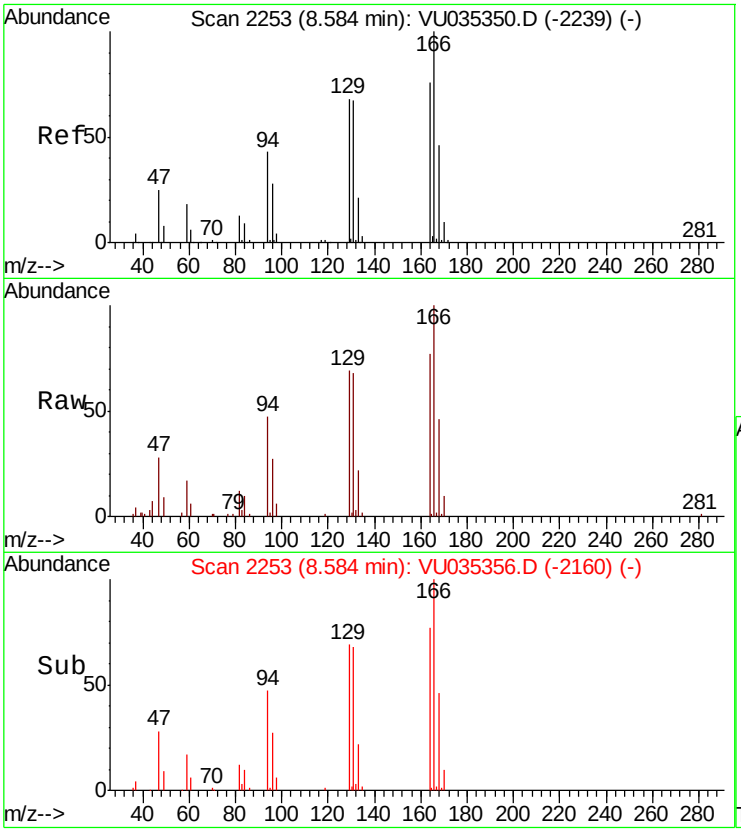


#42
Toluene
Concen: 4.239 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Tgt Ion: 91 Resp: 404419

Ion	Ratio	Lower	Upper
91	100		
92	55.9	39.9	74.1



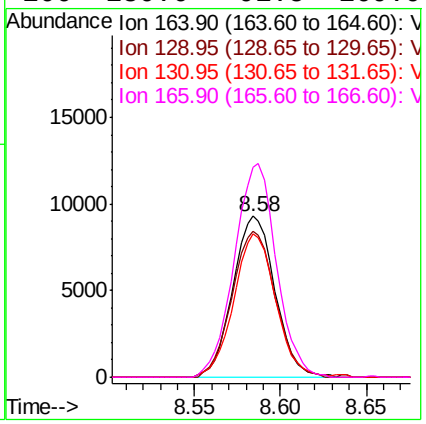


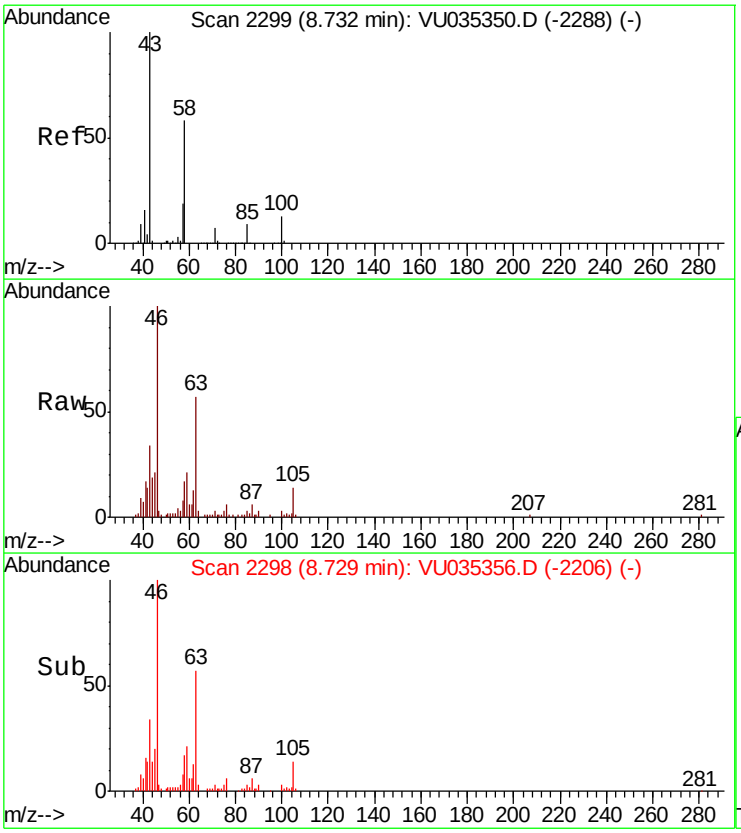
#47
Tetrachloroethene
Concen: 0.815 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:164 Resp: 15786

Ion	Ratio	Lower	Upper
164	100		
129	90.4	65.2	121.0
131	88.8	62.9	116.9
166	130.6	91.5	169.9

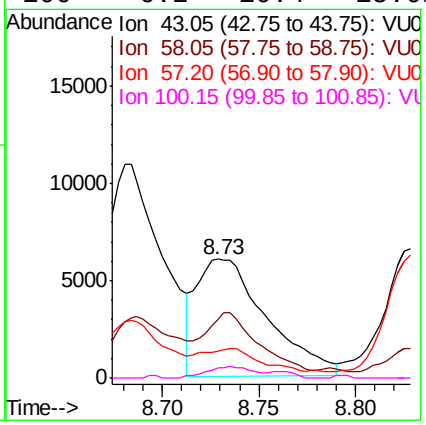


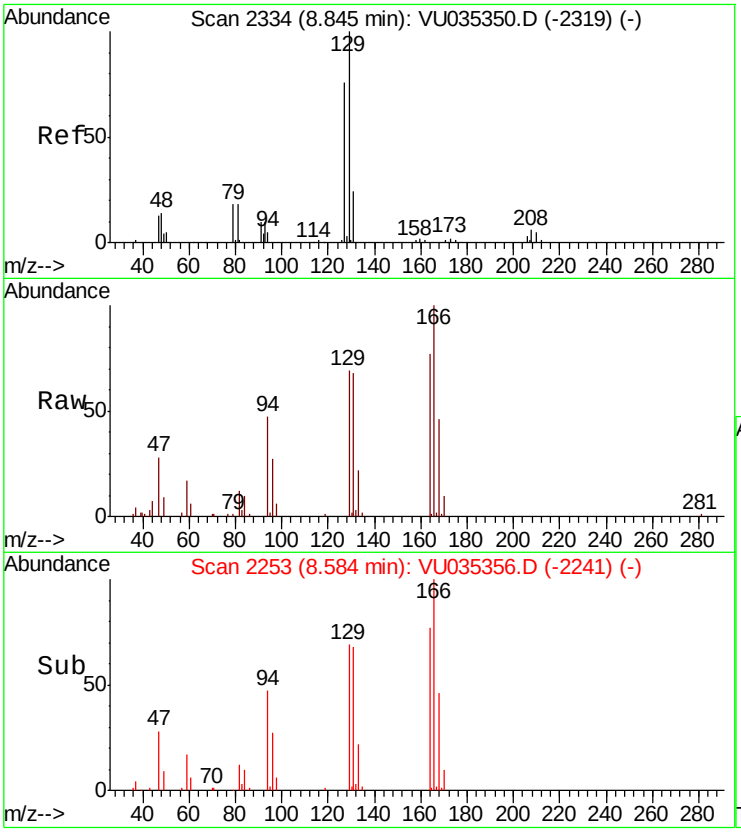


#48
2-Hexanone
Concen: 1.463 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Tgt Ion: 43 Resp: 15194

Ion	Ratio	Lower	Upper
43	100		
58	44.5	45.1	67.7#
57	22.0	16.0	24.0
100	6.2	10.4	15.6#



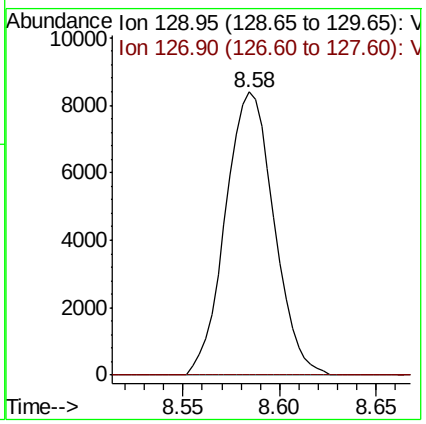


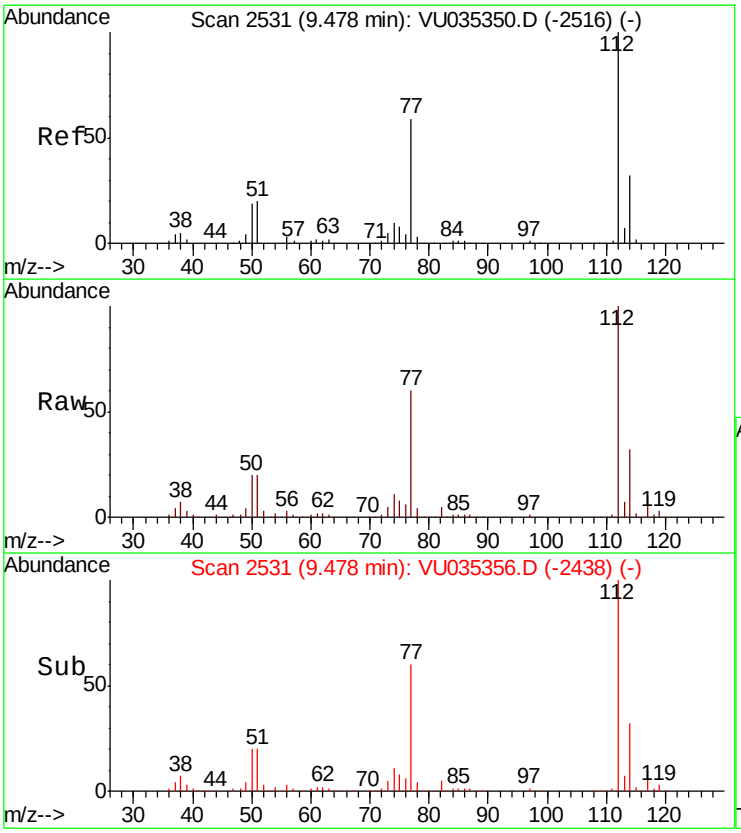
#49
Dibromochloromethane
Concen: 0.710 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 14664

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.8	99.8#

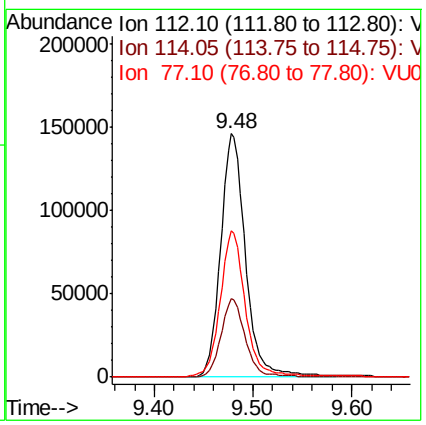


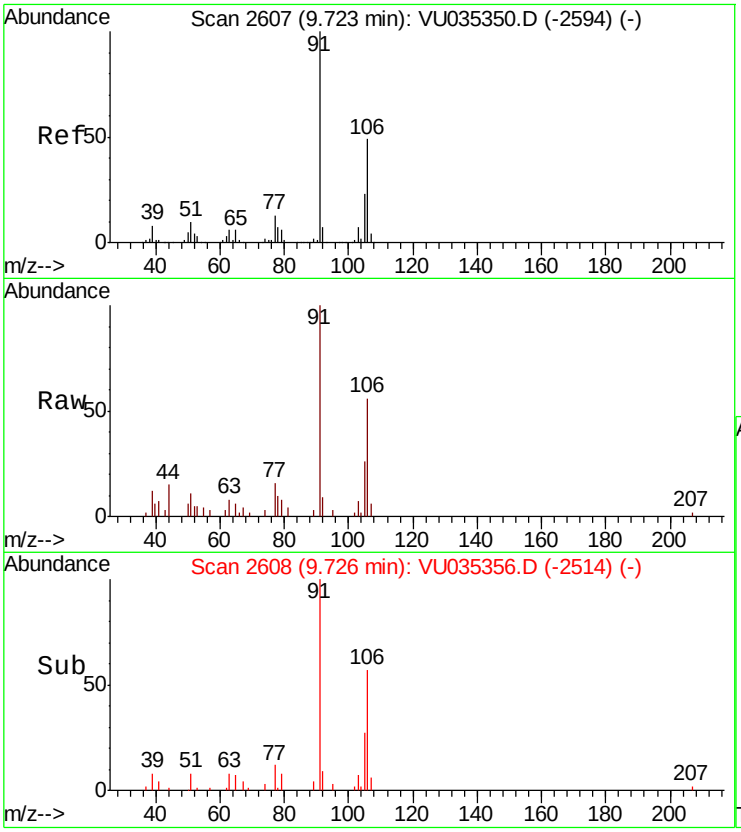


#51
Chlorobenzene
Concen: 4.231 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Tgt Ion:112 Resp: 260633

Ion	Ratio	Lower	Upper
112	100		
114	32.1	23.0	42.8
77	60.1	47.5	71.3



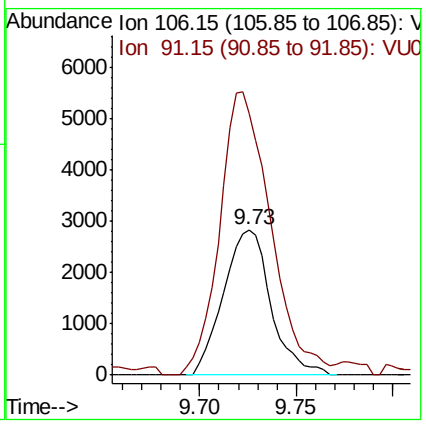


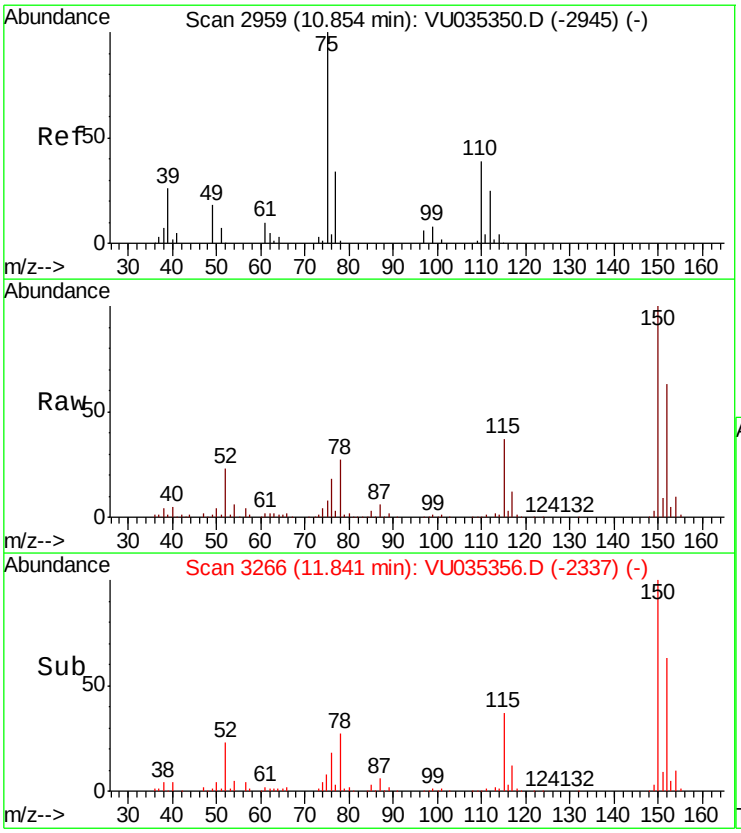
#53
m,p-Xylene
Concen: 0.118 ug/L
RT: 9.73 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 4828

Ion	Ratio	Lower	Upper
106	100		
91	179.4	142.0	263.6





#59
1,2,3-Trichloropropane
Concen: 0.957 ug/L
RT: 11.84 min Scan# 3266
Delta R.T. 0.99 min
Lab File: VU035356.D
Acq: 22 Oct 2019 11:31

Tgt Ion: 75 Resp: 14625

Ion	Ratio	Lower	Upper
75	100		
77	41.0	26.2	39.2#