Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072019\
Data File : VU033351.D
Acq On : 20 Jul 2019 00:43
Operator : JC/SP
Sample : K3890-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S1

Quant Time: Jul 20 05:47:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 20 05:21:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	106031	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	112298	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	52703	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	45894	4.30	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 86.00%			
7) Chloroethane-d5	1.67	69	41844	4.70	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 94.00%			
11) 1,1-Dichloroethene-d2	2.26	63	81822	3.96	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 79.20%			
20) 2-Butanone-d5	4.17	46	117250	58.27	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 116.54%			
24) Chloroform-d	4.62	84	74856	4.75	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.00%			
26) 1,2-Dichloroethane-d4	5.29	65	43341	5.09	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 101.80%			
32) Benzene-d6	5.31	84	138251	4.42	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 88.40%			
36) 1,2-Dichloropropane-d6	6.31	67	48432	4.87	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 97.40%			
41) Toluene-d8	7.55	98	118926	4.02	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 80.40%			
43) trans-1,3-Dichloropropene-	7.83	79	18515	4.64	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 92.80%			
46) 2-Hexanone-d5	8.30	63	92401	56.41	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 112.82%			
57) 1,1,2,2-Tetrachloroethane-	10.41	84	43001	5.20	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 104.00%			
64) 1,2-Dichlorobenzene-d4	11.85	152	48228	4.70	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 94.00%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	149408	13.089	ug/L #	79
8) Chloroethane	1.69	64	453424	62.069	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2277	0.252	ug/L #	78
12) 1,1-Dichloroethene	2.27	96	17170	1.971	ug/L #	37
13) Acetone	2.31	43	26822	15.224	ug/L	96
15) Methyl Acetate	2.60	43	45034	10.235	ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	3402	0.354	ug/L	96
19) 1,1-Dichloroethane	3.42	63	741167	51.261	ug/L	99
21) 2-Butanone	4.27	43	7133	3.523	ug/L #	71
22) cis-1,2-Dichloroethene	4.20	96	45933	5.648	ug/L	97
29) 1,1,1-Trichloroethane	4.89	97	366412	28.248	ug/L	99
30) Cyclohexane	4.97	56	7048	0.605	ug/L	97
34) Trichloroethene	6.16	95	13978	1.661	ug/L	99
42) Toluene	7.62	91	1301552	38.123	ug/L	100
47) Tetrachloroethene	8.21	164	850	0.126	ug/L	78
52) Ethylbenzene	9.23	91	22576	0.619	ug/L	94
53) m,p-Xylene	9.36	106	7181	0.522	ug/L	88

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Data File : VU033351.D
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Operator : JC/SP
Sample : K3890-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52S1

Quant Time: Jul 20 05:47:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 20 05:21:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.76	106	9498	0.724	ug/L	91
65) 1,2-Dichlorobenzene	11.86	146	6724	0.430	ug/L	99

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

Quantitation Report (LSC Reviewed)

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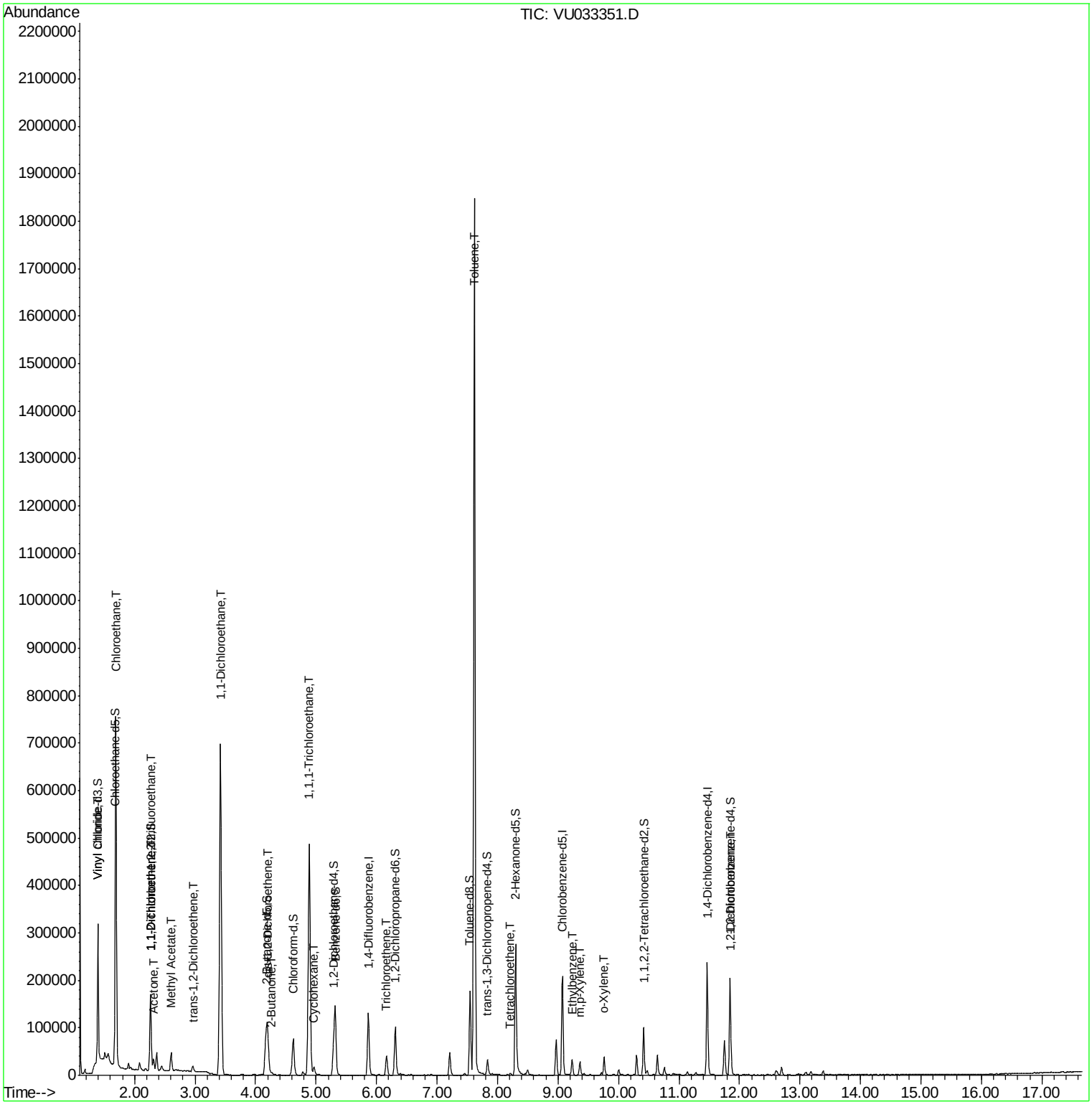
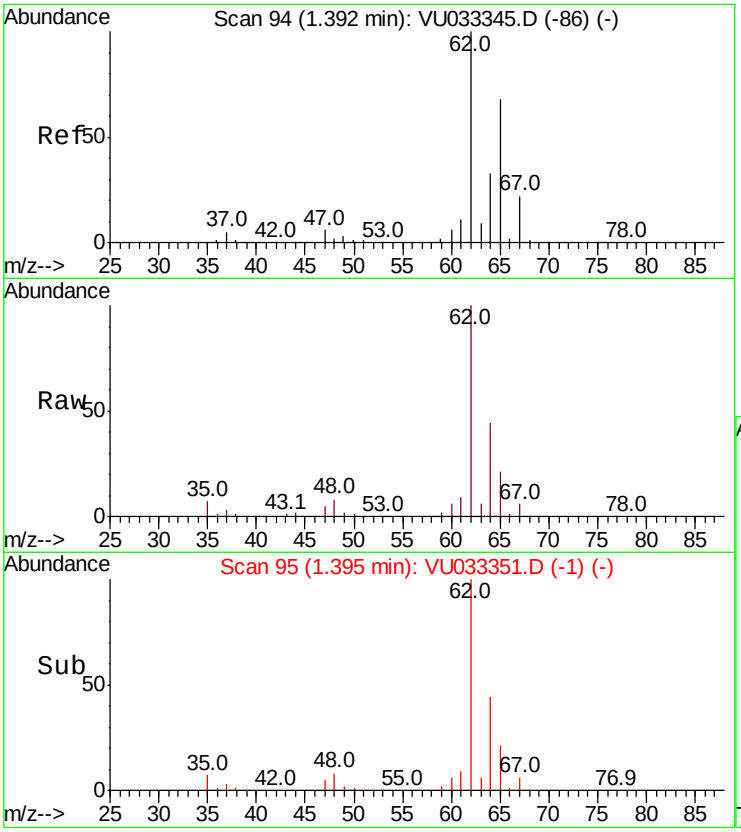


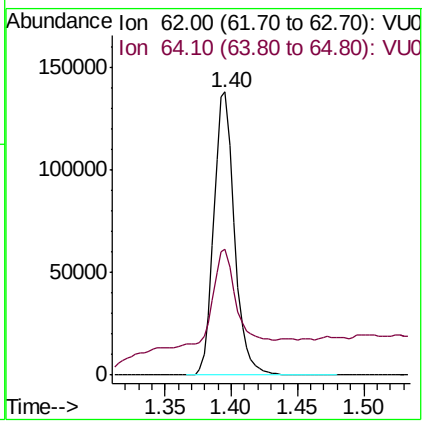


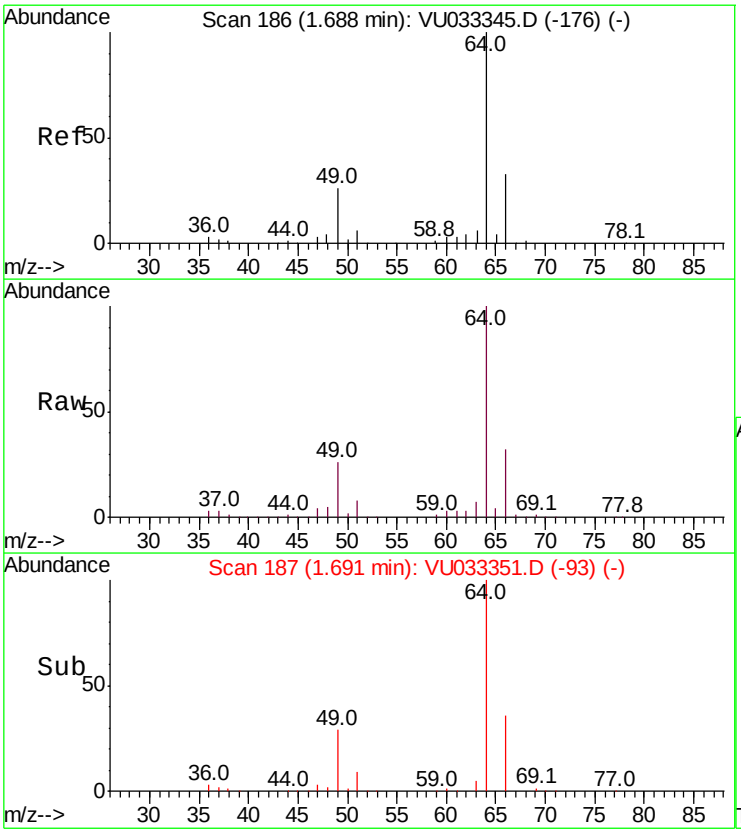
#5
Vinyl chloride
Concen: 13.089 ug/L
RT: 1.40 min Scan# 95
Delta R.T. 0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Instrument :
MSVOA_U
ClientSampleId :
A52S1

Tgt Ion: 62 Resp: 149408

Ion	Ratio	Lower	Upper
62	100		
64	44.4	22.8	42.4#

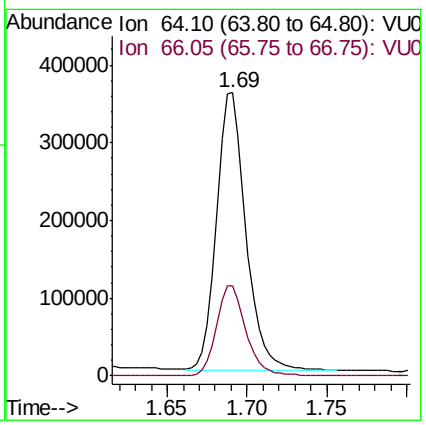


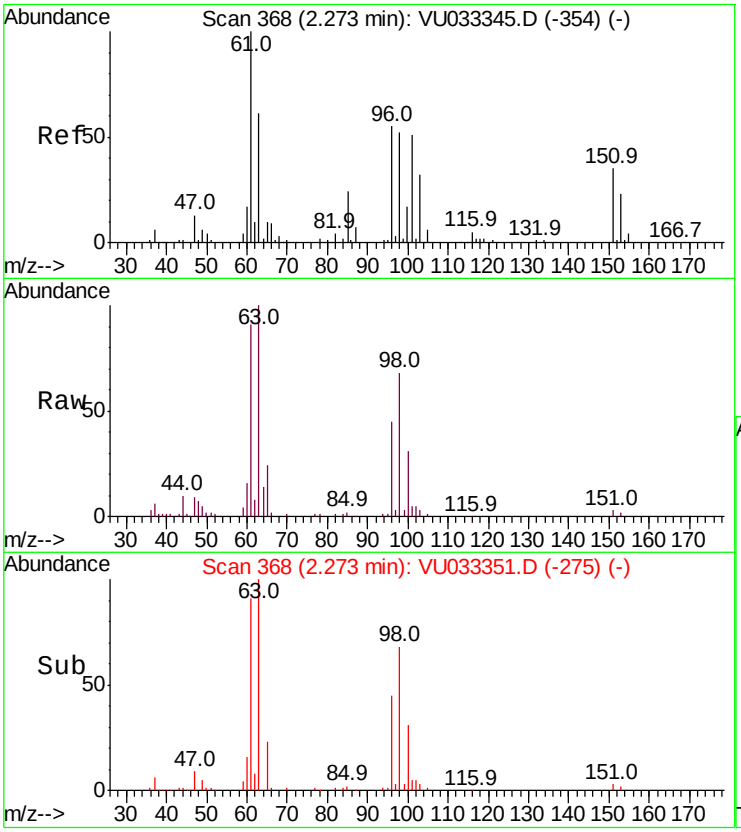


#8
Chloroethane
Concen: 62.069 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Tgt Ion: 64 Resp: 453424

Ion	Ratio	Lower	Upper
64	100		
66	31.9	23.2	43.2



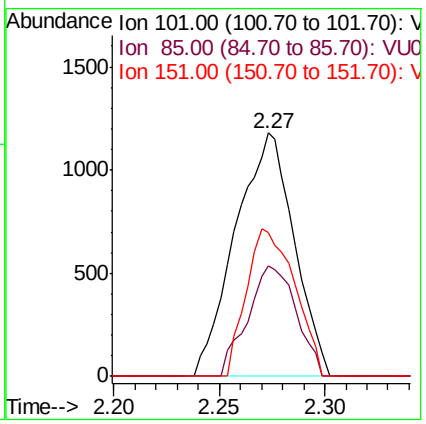


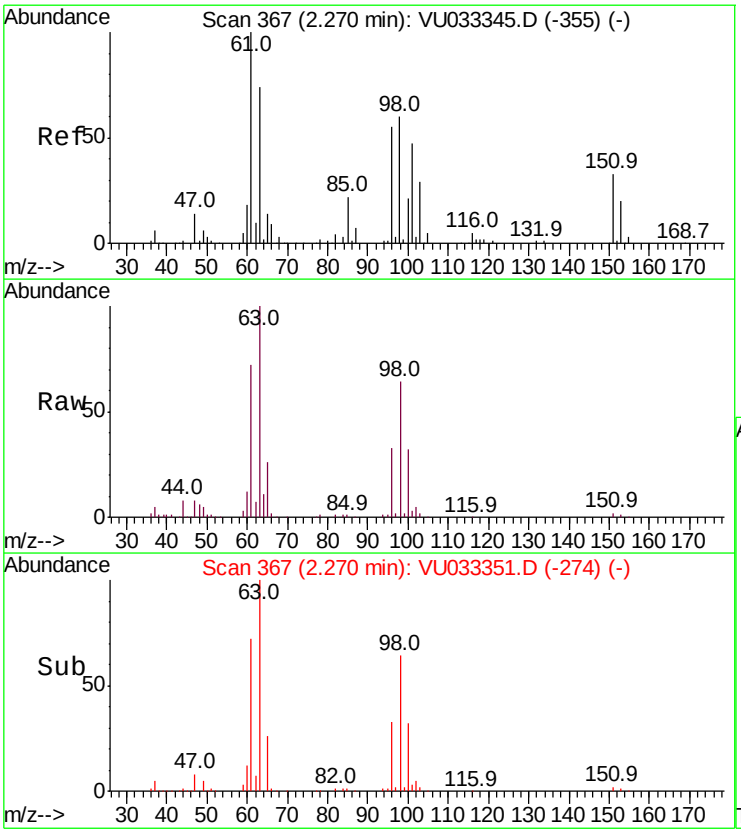
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.252 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Instrument : MSVOA_U
ClientSampleId : A52S1

Tgt Ion:101 Resp: 2277

Ion	Ratio	Lower	Upper
101	100		
85	37.7	37.4	56.0
151	49.9	58.6	87.8#

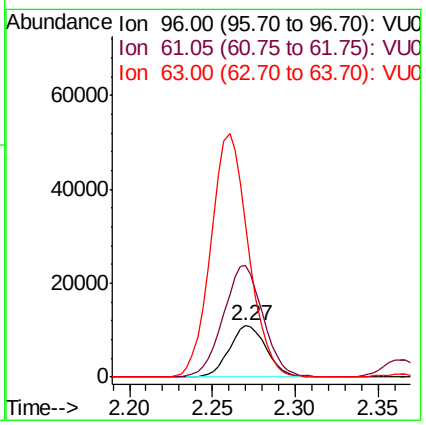


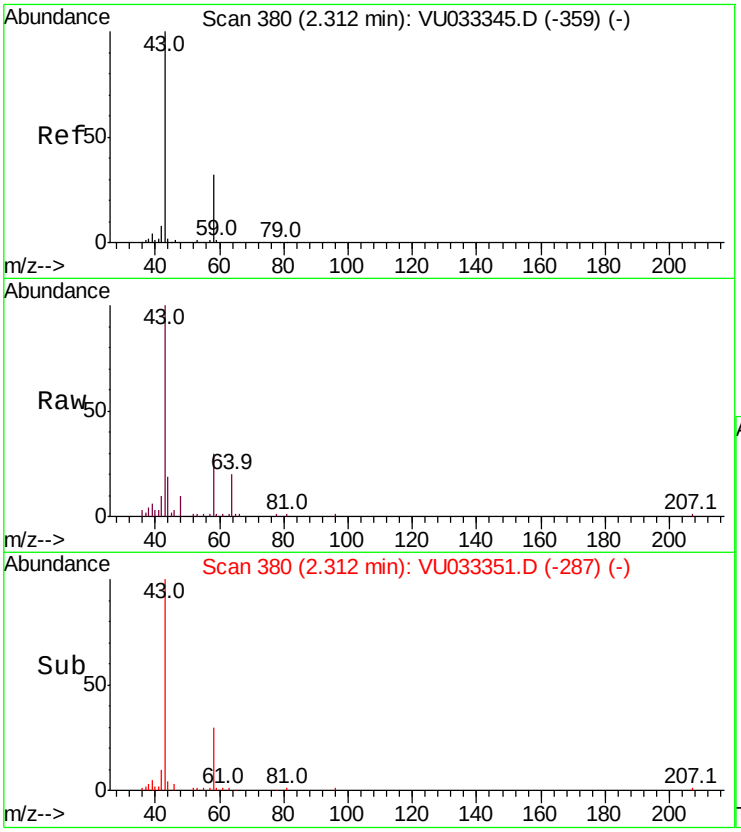


#12
1,1-Dichloroethene
Concen: 1.971 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Tgt Ion: 96 Resp: 17170

Ion	Ratio	Lower	Upper
96	100		
61	216.1	129.3	240.1
63	299.7	108.9	202.3#



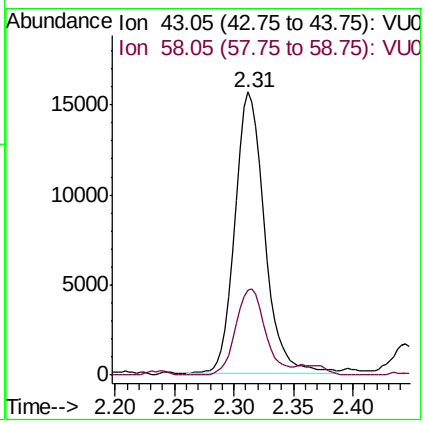


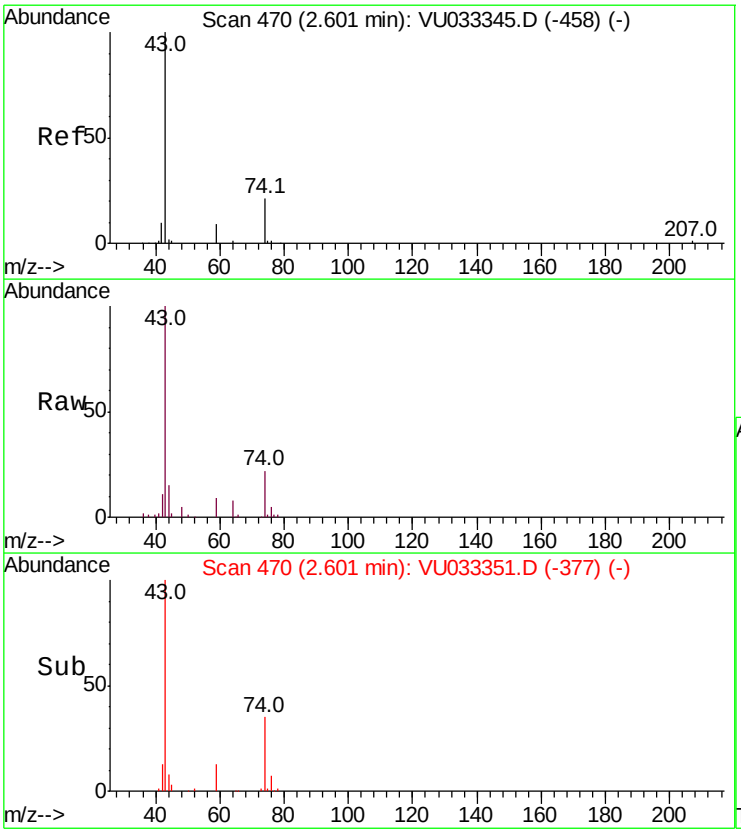
#13
Acetone
Concen: 15.224 ug/L
RT: 2.31 min Scan# 380
Delta R.T. -0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Instrument : MSVOA_U
ClientSampleId : A52S1

Tgt Ion: 43 Resp: 26822

Ion	Ratio	Lower	Upper
43	100		
58	30.8	0.0	66.6

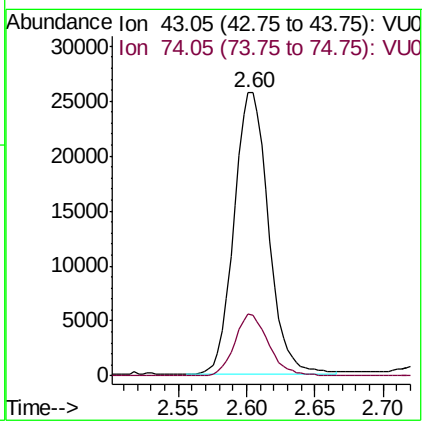


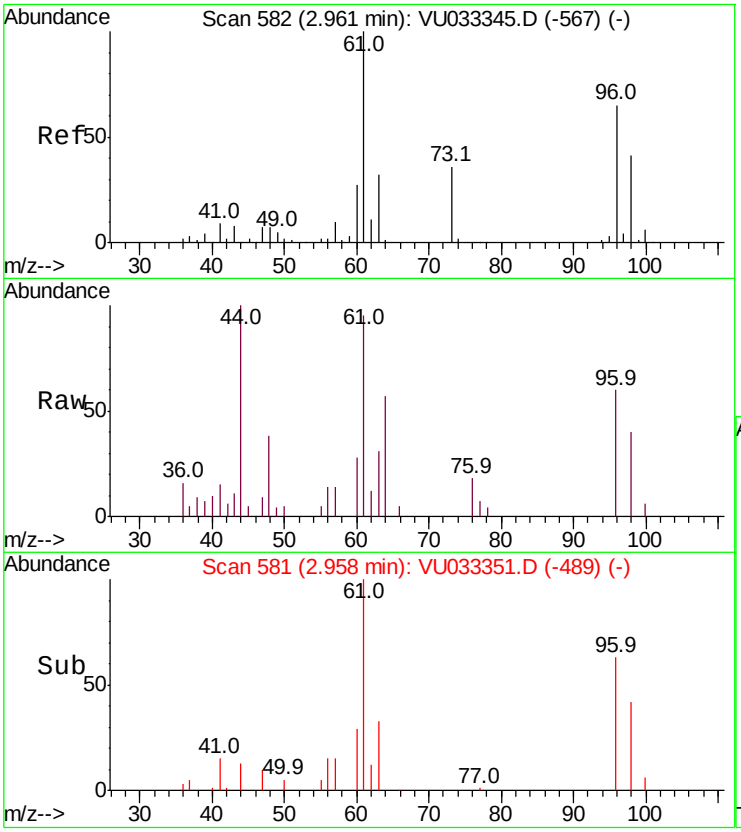


#15
Methyl Acetate
Concen: 10.235 ug/L
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Tgt Ion: 43 Resp: 45034

Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.8	26.8



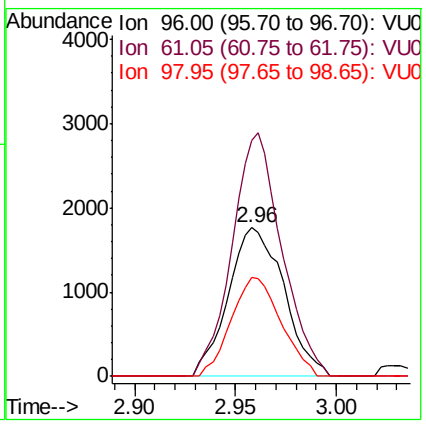


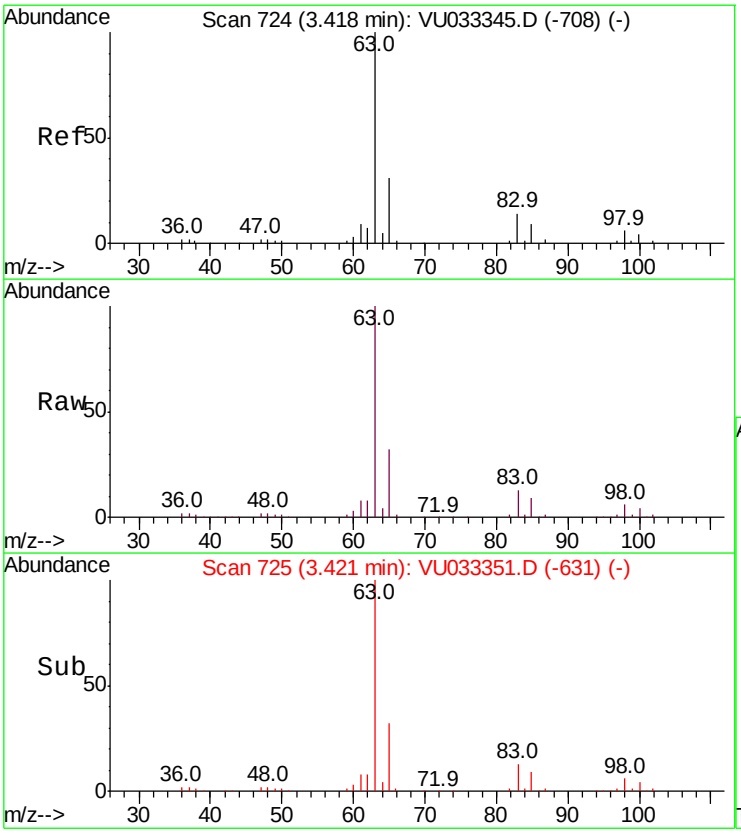
#18
trans-1,2-Dichloroethene
Concen: 0.354 ug/L
RT: 2.96 min Scan# 581
Delta R.T. -0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Instrument : MSVOA_U
ClientSampleId : A52S1

Tgt Ion: 96 Resp: 3402

Ion	Ratio	Lower	Upper
96	100		
61	159.1	107.1	198.9
98	66.3	45.4	84.4

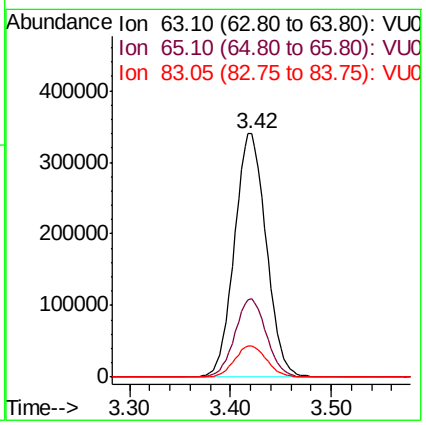


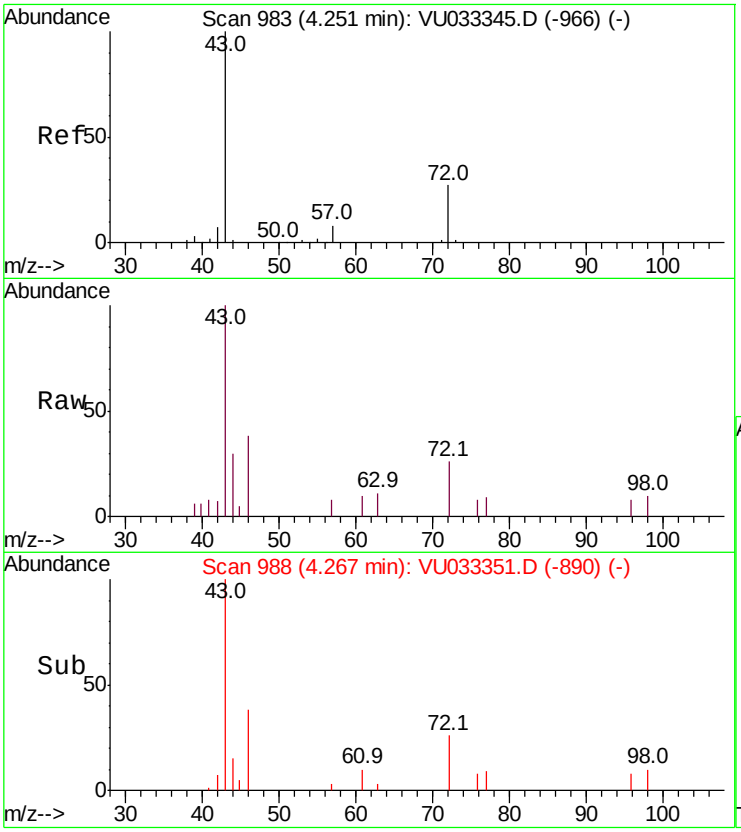


#19
1,1-Dichloroethane
Concen: 51.261 ug/L
RT: 3.42 min Scan# 725
Delta R.T. 0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Tgt Ion: 63 Resp: 741167

Ion	Ratio	Lower	Upper
63	100		
65	32.0	21.7	40.3
83	12.7	9.0	16.8



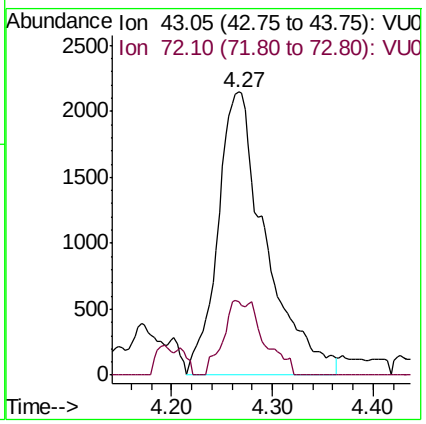


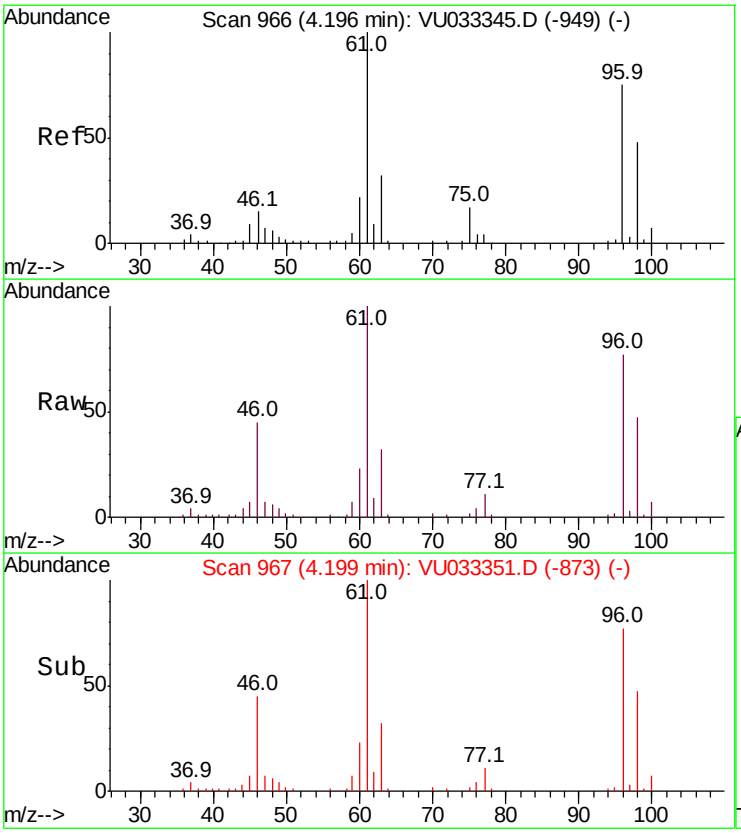
#21
2-Butanone
Concen: 3.523 ug/L
RT: 4.27 min Scan# 988
Delta R.T. 0.02 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Instrument : MSVOA_U
ClientSampleId : A52S1

Tgt Ion: 43 Resp: 7133

Ion	Ratio	Lower	Upper
43	100		
72	11.9	13.5	40.4#

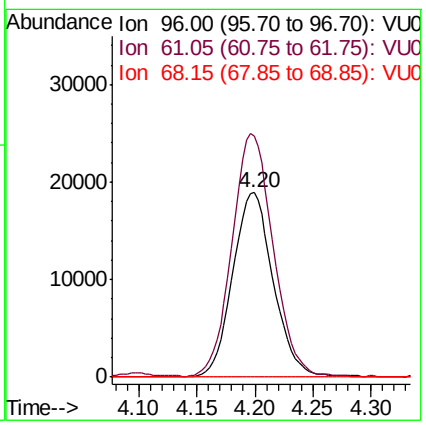


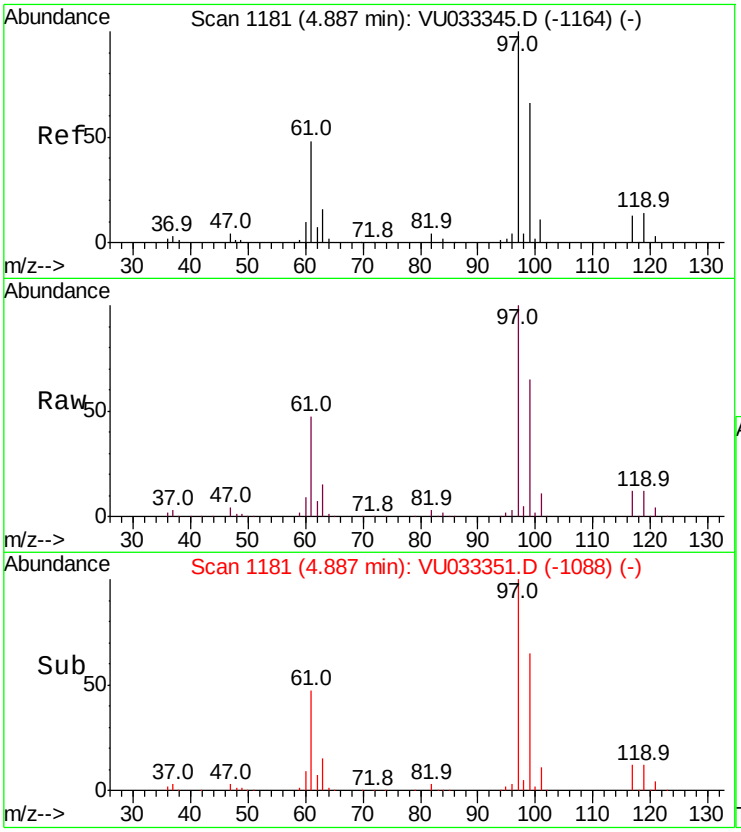


#22
cis-1,2-Dichloroethene
Concen: 5.648 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Tgt Ion: 96 Resp: 45933

Ion	Ratio	Lower	Upper
96	100		
61	130.5	89.2	165.6
68	0.0	0.0	0.0



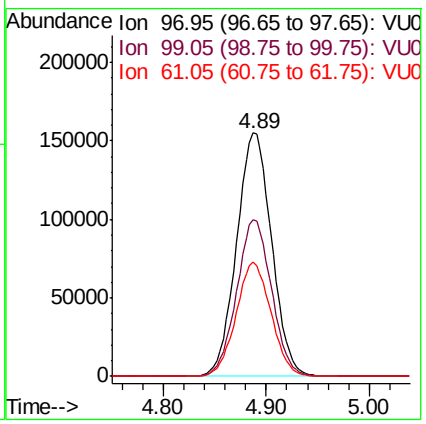


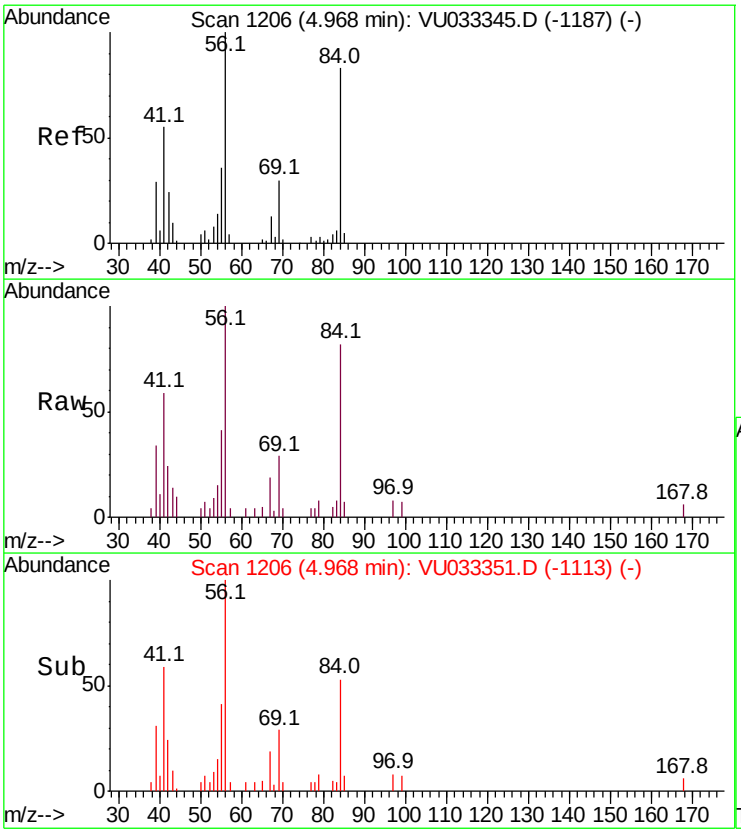
#29
1,1,1-Trichloroethane
Concen: 28.248 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Instrument : MSVOA_U
ClientSampleId : A52S1

Tgt Ion: 97 Resp: 366412

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.7	36.2	54.4

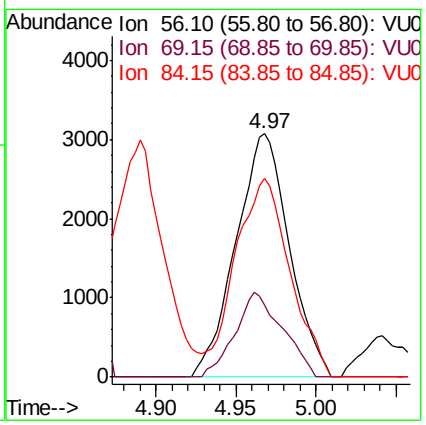


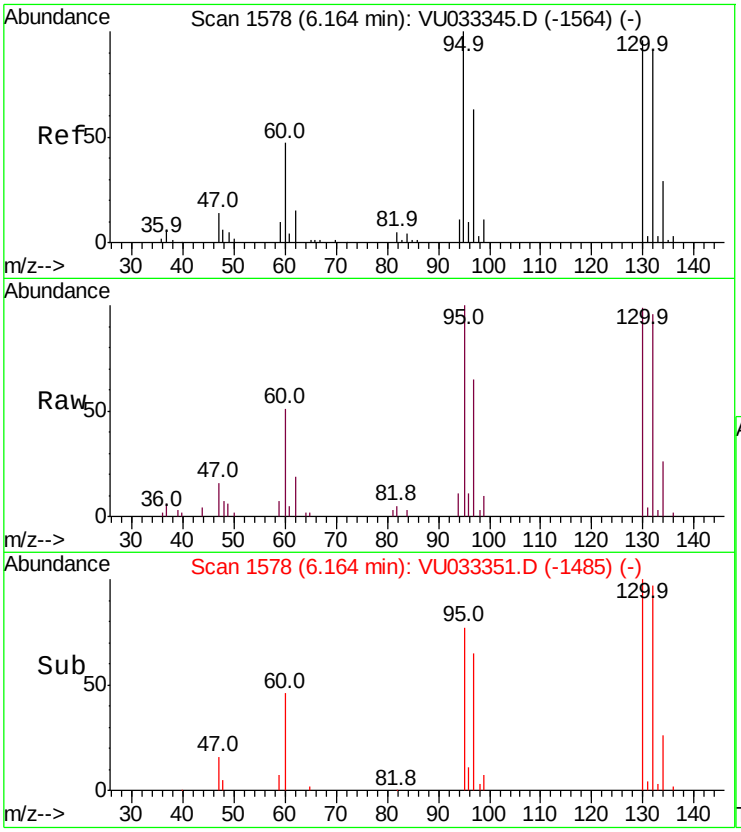


#30
Cyclohexane
Concen: 0.605 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Tgt Ion: 56 Resp: 7048

Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.9	35.9
84	83.8	69.5	104.3



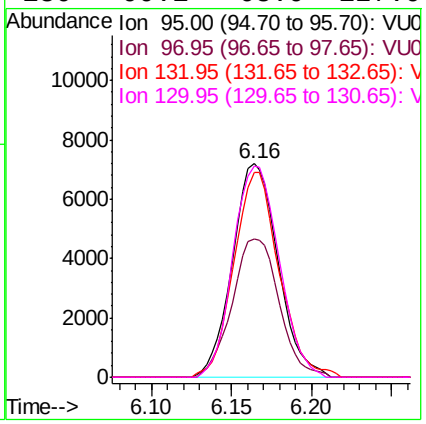


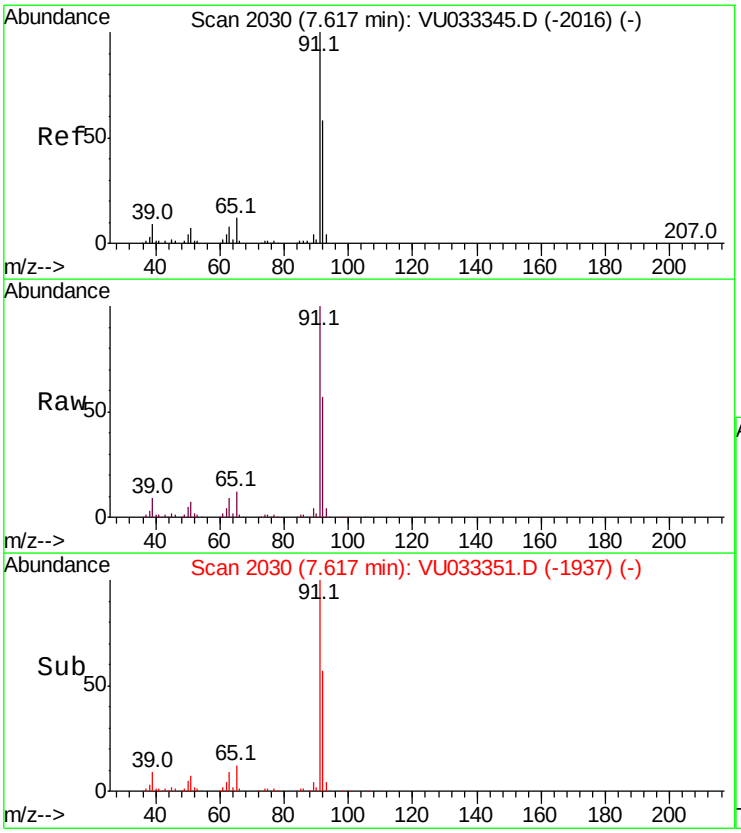
#34
Trichloroethene
Concen: 1.661 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Instrument : MSVOA_U
ClientSampleId : A52S1

Tgt Ion: 95 Resp: 13978

Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.5	82.7
132	96.0	66.6	123.8
130	99.1	68.9	127.9

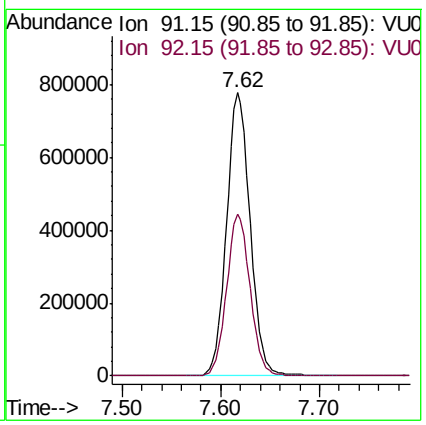


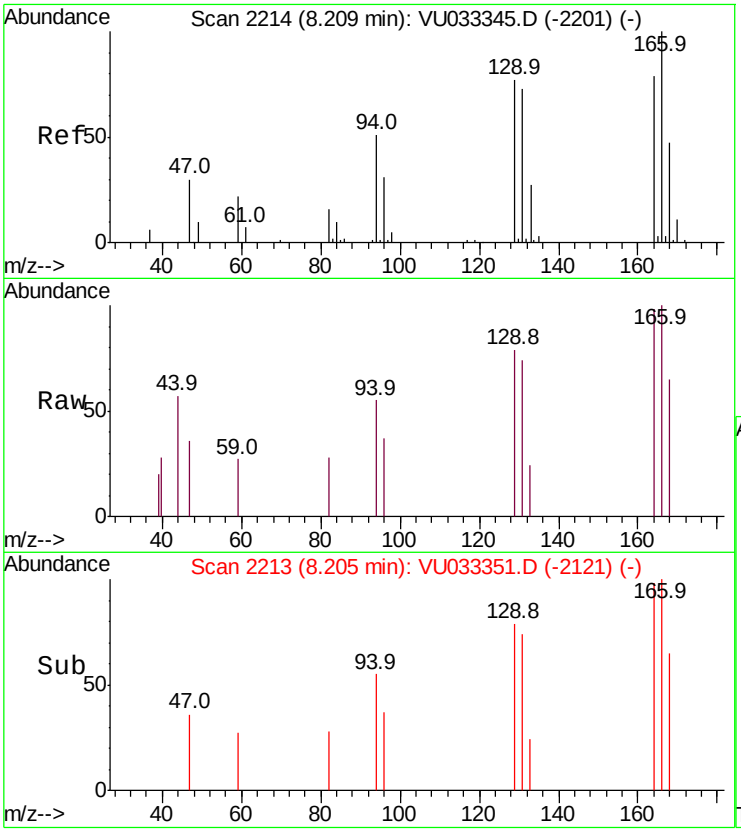


#42
Toluene
Concen: 38.123 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. -0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Tgt Ion: 91 Resp: 1301552

Ion	Ratio	Lower	Upper
91	100		
92	57.0	40.0	74.2



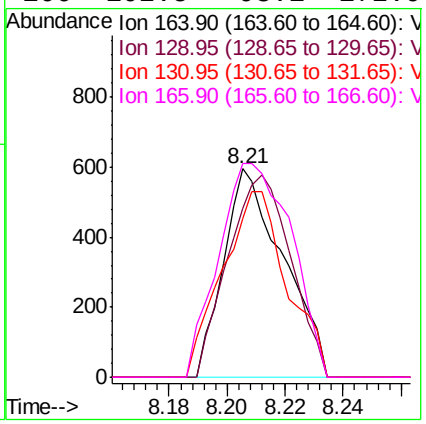


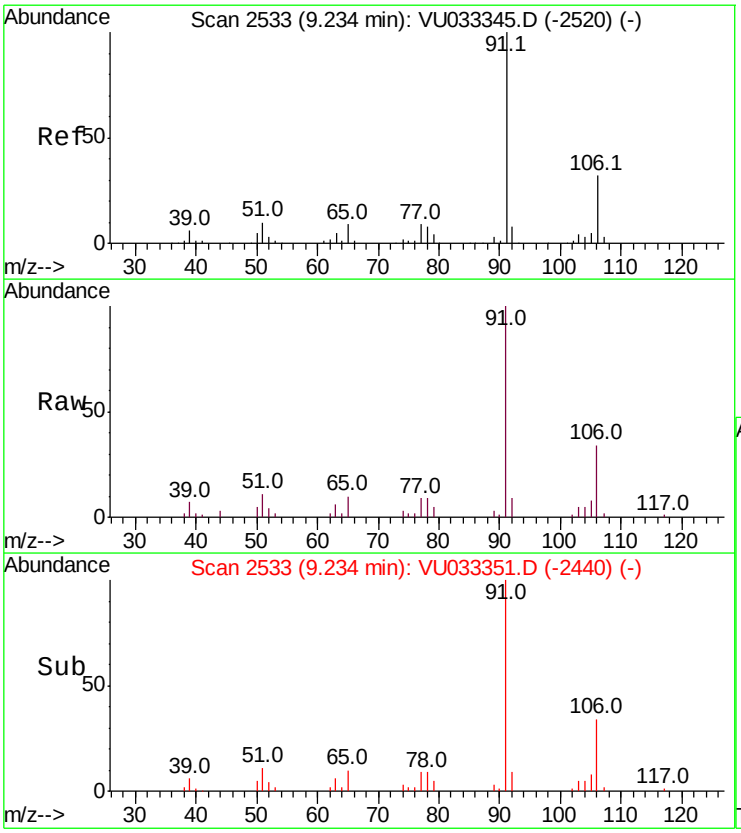
#47
Tetrachloroethene
Concen: 0.126 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Instrument : MSVOA_U
ClientSampleId : A52S1

Tgt Ion:164 Resp: 850

Ion	Ratio	Lower	Upper
164	100		
129	81.0	68.5	127.1
131	76.1	67.3	124.9
166	102.5	93.1	172.9

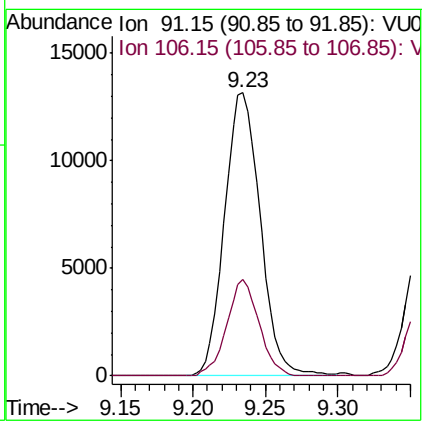


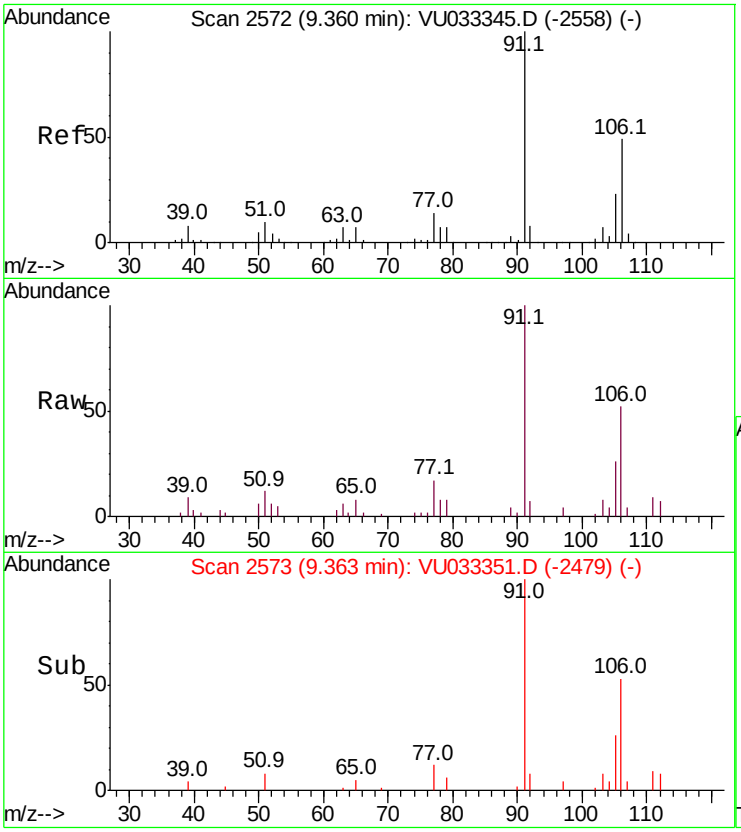


#52
Ethylbenzene
Concen: 0.619 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. -0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Tgt Ion: 91 Resp: 22576

Ion	Ratio	Lower	Upper
91	100		
106	34.0	21.6	40.2



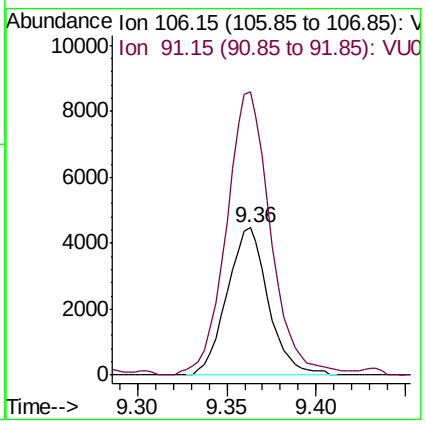


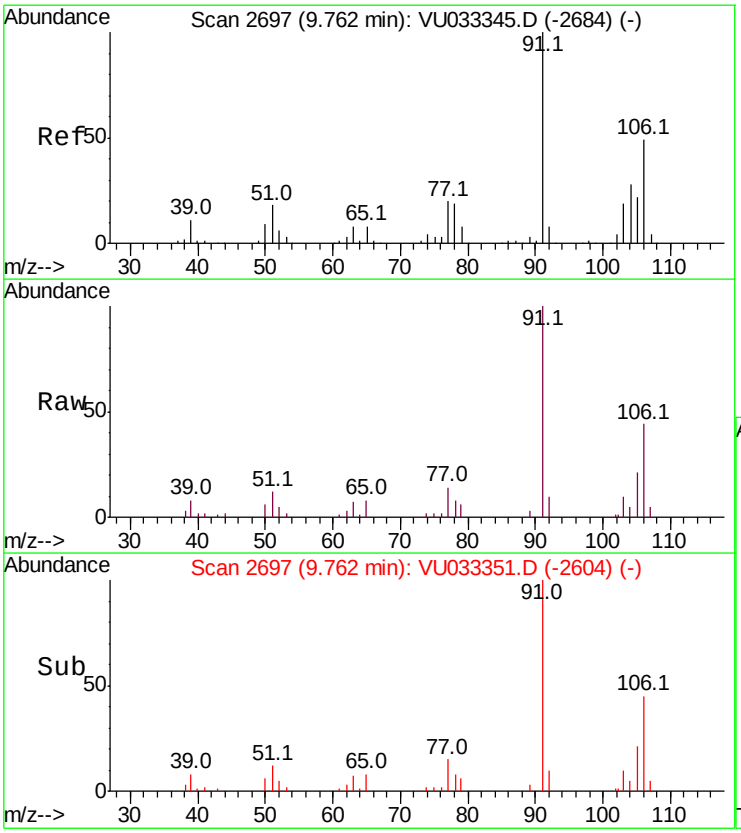
#53
m,p-Xylene
Concen: 0.522 ug/L
RT: 9.36 min Scan# 2573
Delta R.T. 0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Instrument : MSVOA_U
ClientSampleId : A52S1

Tgt Ion:106 Resp: 7181

Ion	Ratio	Lower	Upper
106	100		
91	192.2	147.6	274.0

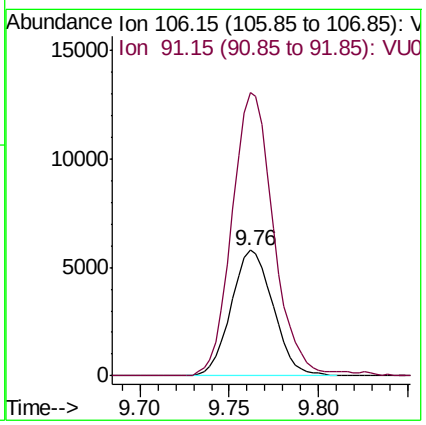


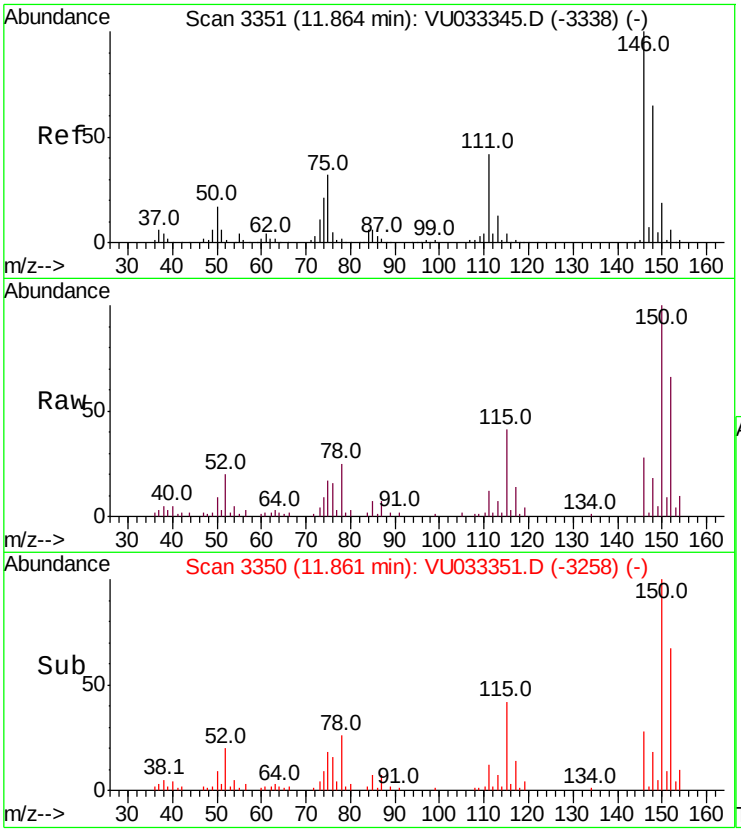


#54
o-Xylene
Concen: 0.724 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Tgt Ion:106 Resp: 9498

Ion	Ratio	Lower	Upper
106	100		
91	225.6	148.5	275.7





#65
1,2-Dichlorobenzene
Concen: 0.430 ug/L
RT: 11.86 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VU033351.D
Acq: 20 Jul 2019 00:43

Instrument :
MSVOA_U
ClientSampleId :
A52S1

Tgt Ion:146 Resp: 6724

Ion	Ratio	Lower	Upper
146	100		
111	42.0	34.2	51.4
148	64.7	52.0	78.0