Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\

Quantitation Report (Not Reviewed)

Data File : VU041336.D
Acq On : 19 Nov 2020 00:58
Operator : SY/MD
Sample : L4790-20MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4419

Quant Time: Nov 19 02:17:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	64688	5.00	ug/L		0.00
28) Chlorobenzene-d5	9.42	117	65271	5.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27991	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.60	65	20533	4.31	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 86.20%				
7) Chloroethane-d5	1.92	69	17815	4.38	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 87.60%				
11) 1,1-Dichloroethene-d2	2.58	63	47989	4.88	ug/L		0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 97.60%				
20) 2-Butanone-d5	4.66	46	88620	45.17	ug/L		0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 90.34%				
24) Chloroform-d	5.08	84	49372	4.79	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.80%				
26) 1,2-Dichloroethane-d4	5.72	65	30450	4.53	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 90.60%				
32) Benzene-d6	5.74	84	84442	4.80	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.00%				
36) 1,2-Dichloropropane-d6	6.70	67	29464	4.86	ug/L		0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 97.20%				
41) Toluene-d8	7.91	98	68487	4.13	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 82.60%				
43) trans-1,3-Dichloropropene-	8.19	79	10726	4.11	ug/L		0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 82.20%				
46) 2-Hexanone-d5	8.64	63	64347	46.16	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 92.32%				
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26277	4.47	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 89.40%				
64) 1,2-Dichlorobenzene-d4	12.19	152	27513	5.04	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 100.80%				
Target Compounds							Qvalue
3) Chloromethane	1.53	50	705	0.123	ug/L		89
5) Vinyl chloride	1.61	62	72643	12.936	ug/L	#	68
8) Chloroethane	2.00	64	1812	0.486	ug/L	#	51
12) 1,1-Dichloroethene	2.59	96	24720	5.870	ug/L		93
13) Acetone	2.67	43	1018	0.782	ug/L		96
14) Carbon disulfide	2.80	76	1706	0.138	ug/L	#	88
17) Methyl tert-butyl Ether	3.38	73	123065	10.675	ug/L		99
18) trans-1,2-Dichloroethene	3.37	96	21908	5.342	ug/L		97
19) 1,1-Dichloroethane	3.89	63	7178	0.783	ug/L		86
22) cis-1,2-Dichloroethene	4.68	96	5866	1.266	ug/L		96
27) 1,2-Dichloroethane	5.79	62	1220	0.171	ug/L	#	74
33) Benzene	5.79	78	116107	6.564	ug/L		100
34) Trichloroethene	6.55	95	28432	5.947	ug/L		99
35) Methylcyclohexane	6.70	83	6578	1.036	ug/L	#	13
37) 1,2-Dichloropropane	6.70	63	3368	0.651	ug/L	#	86
39) cis-1,3-Dichloropropene	7.57	75	760	0.105	ug/L		83
42) Toluene	7.98	91	113649	6.012	ug/L		100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\

Quantitation Report (Not Reviewed)

Data File : VU041336.D
Acq On : 19 Nov 2020 00:58
Operator : SY/MD
Sample : L4790-20MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4419

Quant Time: Nov 19 02:17:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) trans-1,3-Dichloropropene	8.19	75	462	0.068	ug/L	#	68
48) 2-Hexanone	8.64	43	9997	3.130	ug/L	#	74
51) Chlorobenzene	9.45	112	73721	5.888	ug/L		98
59) 1,2,3-Trichloropropane	11.81	75	3611	0.886	ug/L	#	88

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

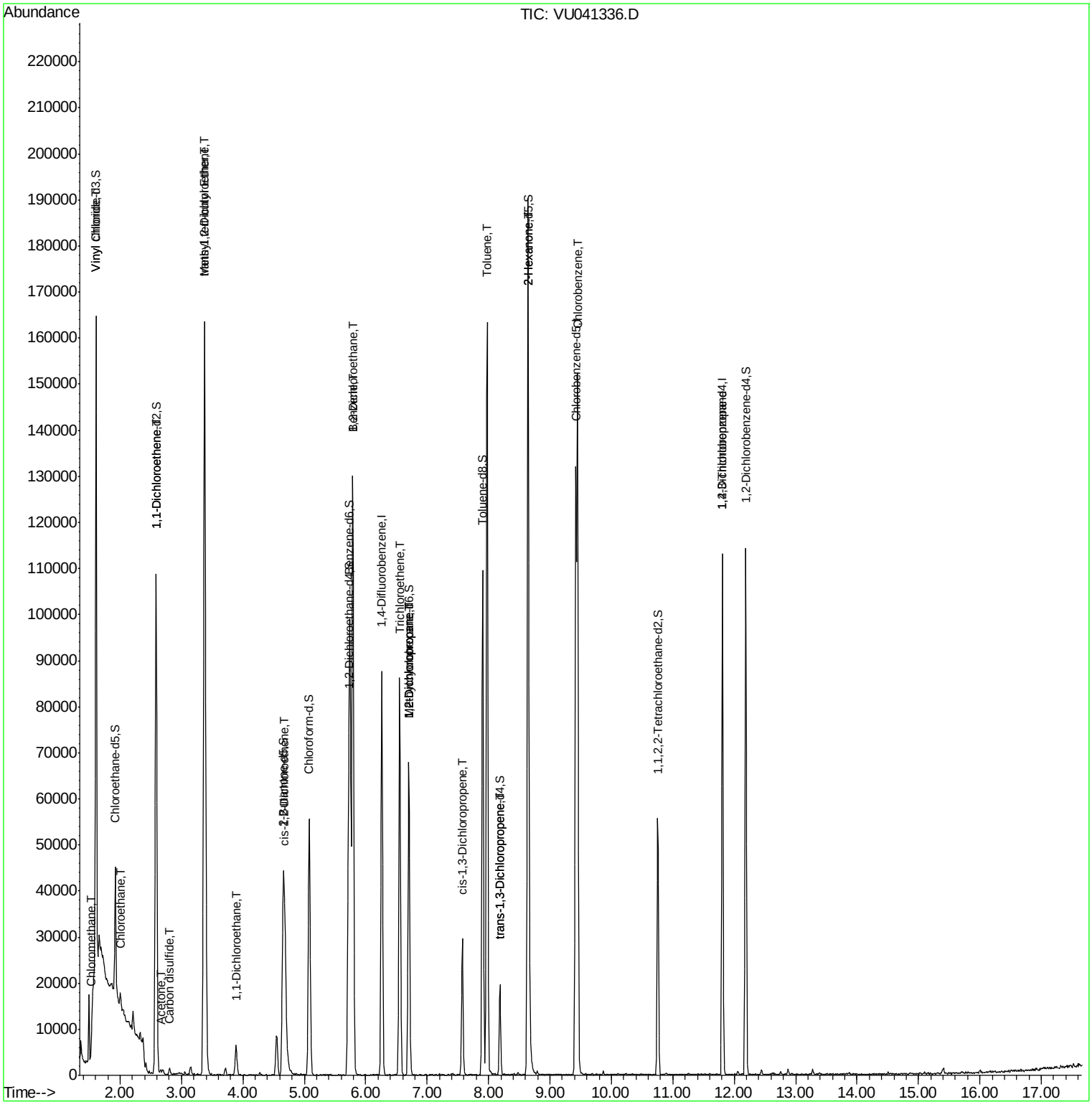
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\

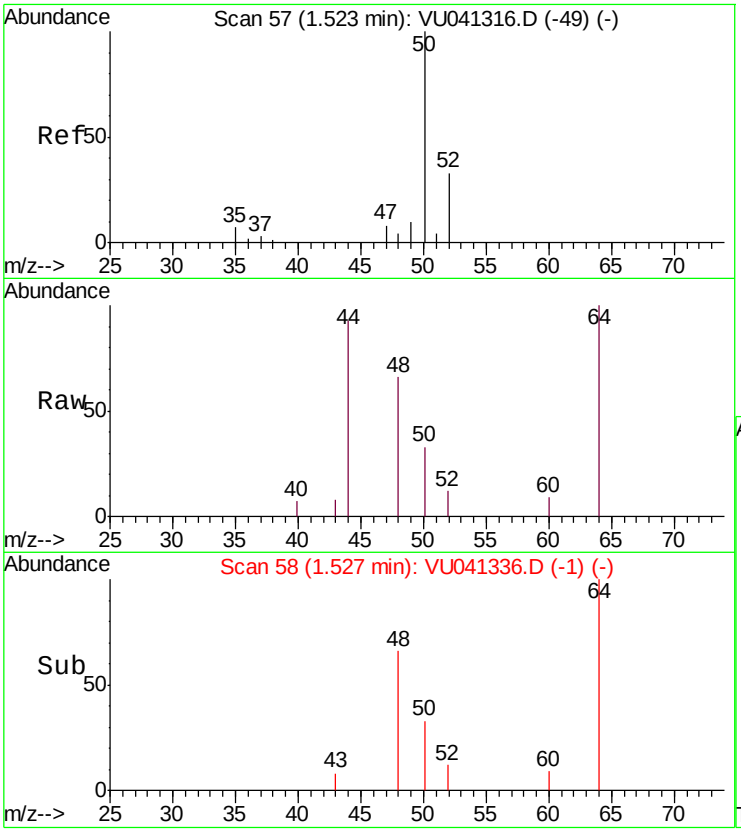
Quantitation Report (Not Reviewed)

Data File : VU041336.D
Acq On : 19 Nov 2020 00:58
Operator : SY/MD
Sample : L4790-20MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4419

Quant Time: Nov 19 02:17:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration



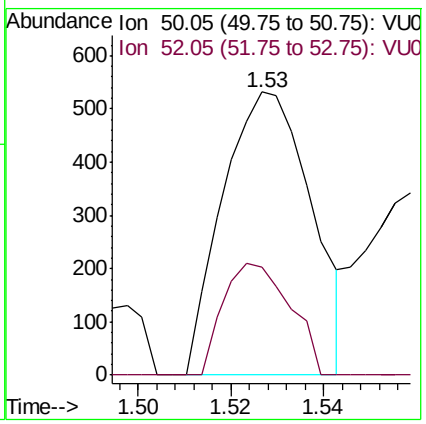


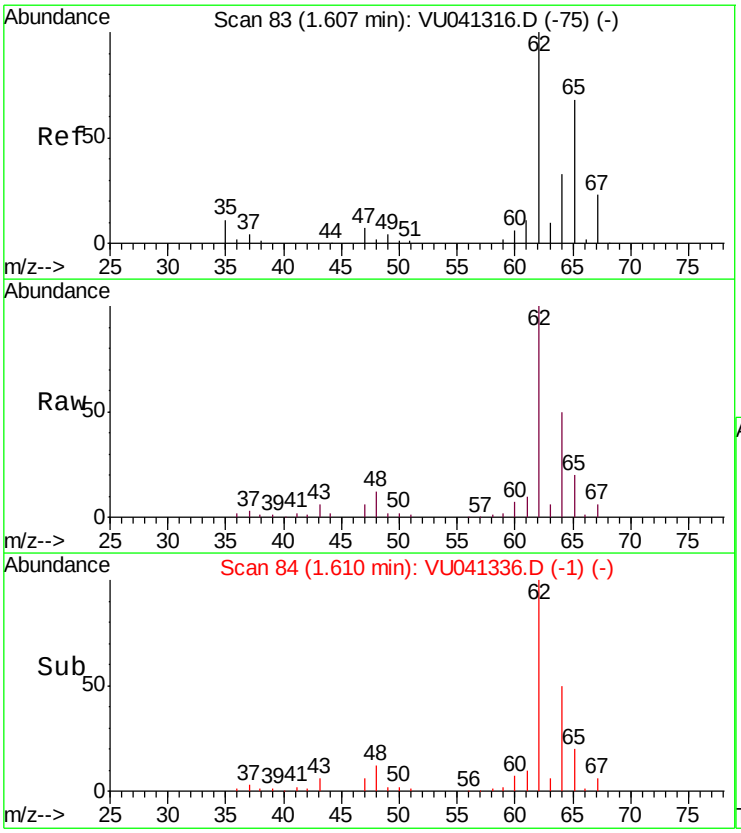
#3
Chloromethane
Concen: 0.123 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Instrument :
MSVOA_U
ClientSampleId :
H4419

Tgt Ion: 50 Resp: 705

Ion	Ratio	Lower	Upper
50	100		
52	38.2	22.4	41.6

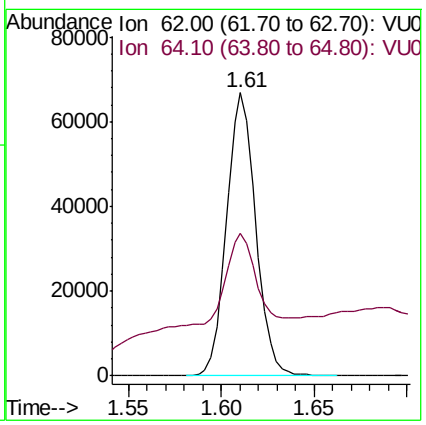


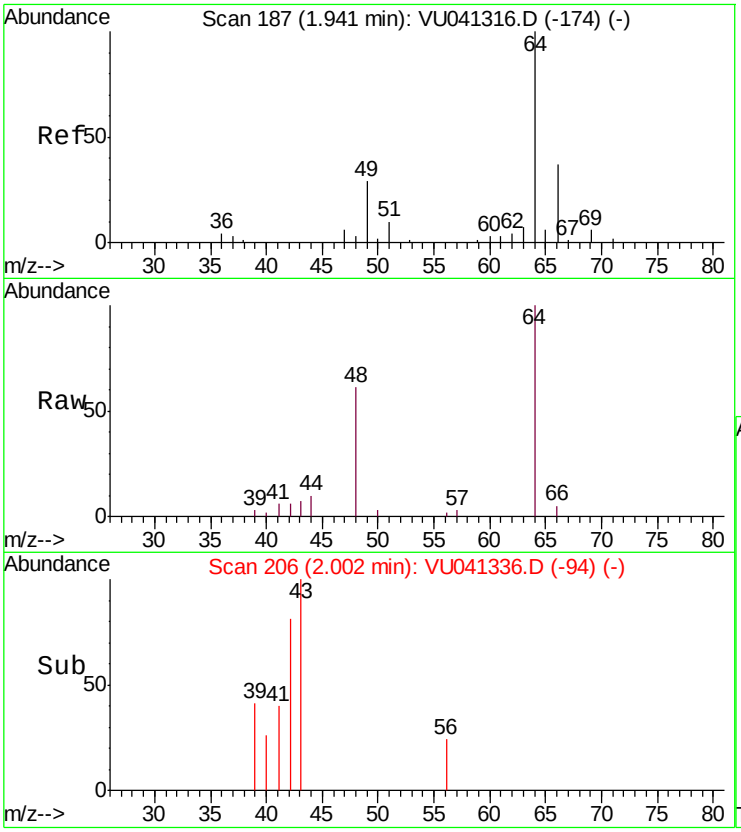


#5
Vinyl chloride
Concen: 12.936 ug/L
RT: 1.61 min Scan# 84
Delta R.T. 0.00 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Tgt Ion: 62 Resp: 72643

Ion	Ratio	Lower	Upper
62	100		
64	50.3	22.7	42.3#



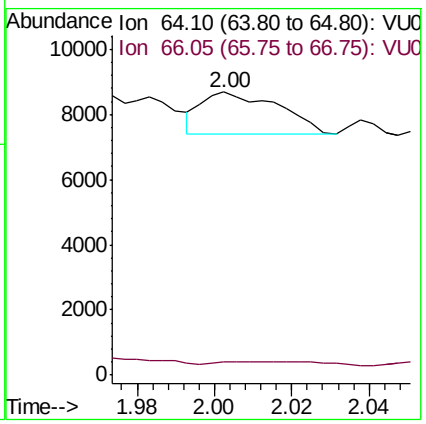


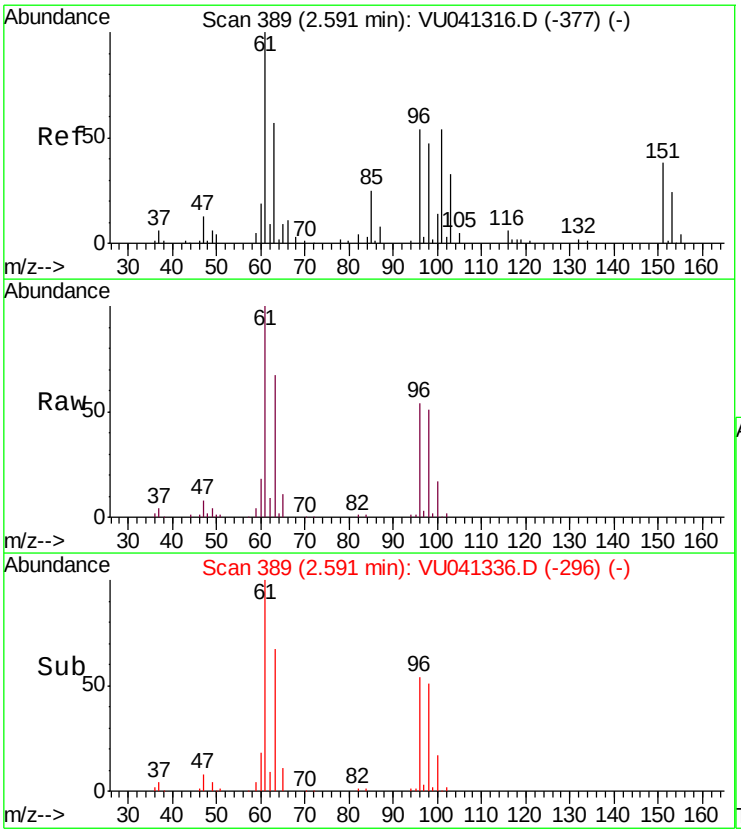
#8
Chloroethane
Concen: 0.486 ug/L
RT: 2.00 min Scan# 206
Delta R.T. 0.06 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Instrument : MSVOA_U
ClientSampleId : H4419

Tgt Ion: 64 Resp: 1812

Ion	Ratio	Lower	Upper
64	100		
66	4.6	22.3	41.5#

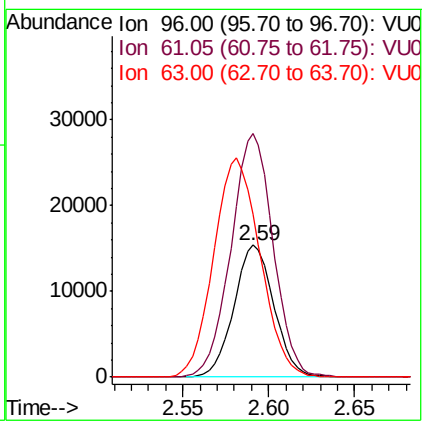


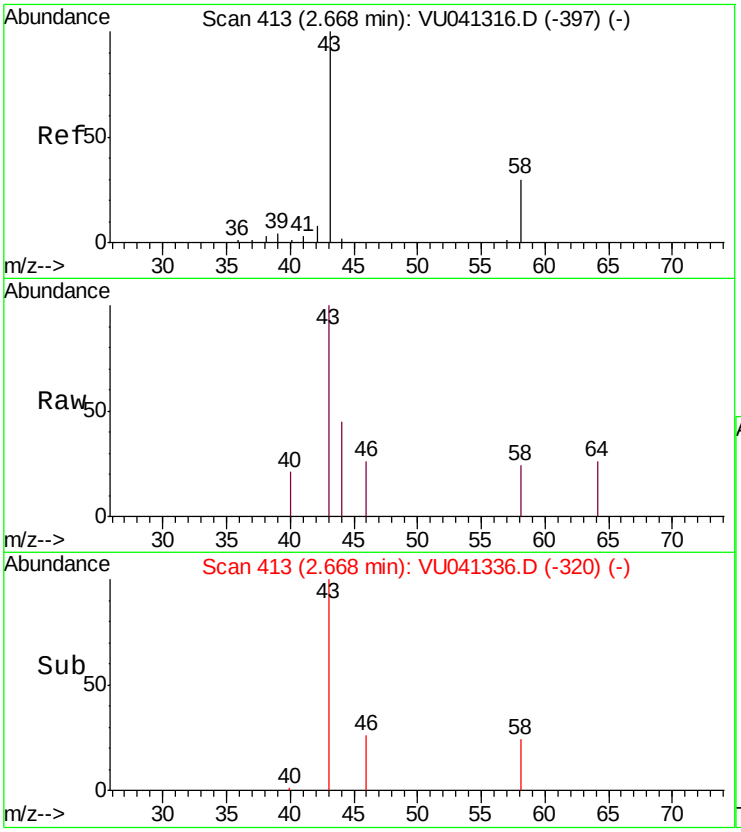


#12
1,1-Dichloroethene
Concen: 5.870 ug/L
RT: 2.59 min Scan# 389
Delta R.T. 0.00 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Tgt Ion: 96 Resp: 24720

Ion	Ratio	Lower	Upper
96	100		
61	184.3	134.3	249.5
63	122.9	95.0	176.4



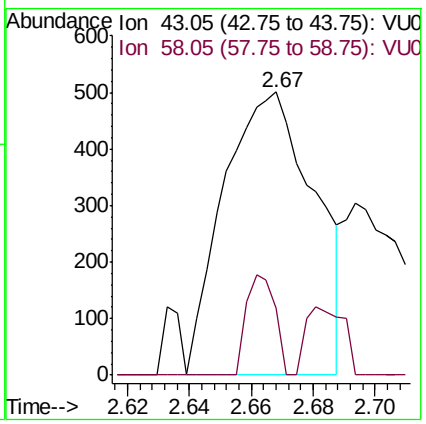


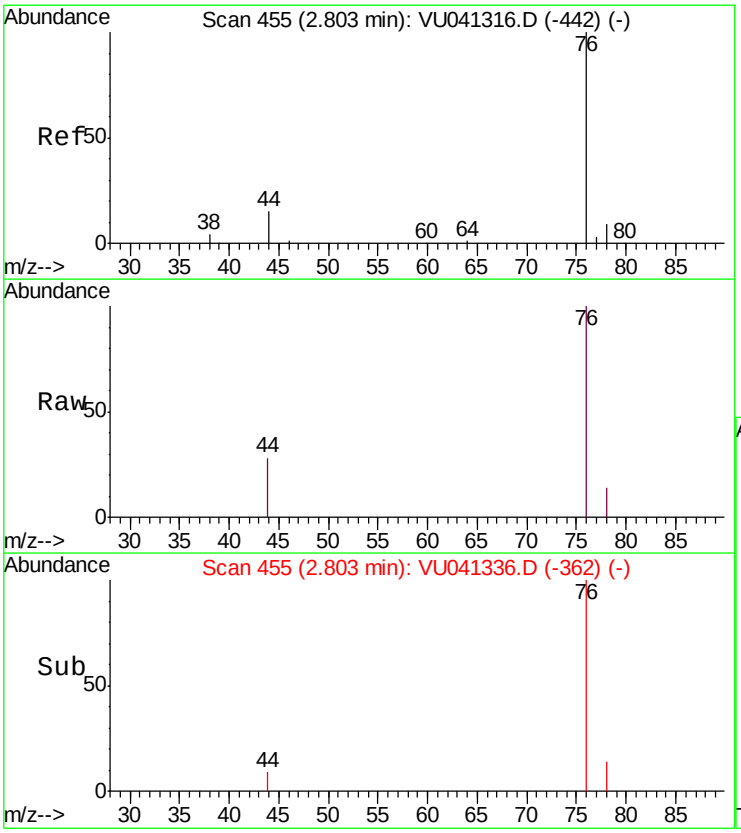
#13
Acetone
Concen: 0.782 ug/L
RT: 2.67 min Scan# 413
Delta R.T. 0.00 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Instrument : MSVOA_U
ClientSampleId : H4419

Tgt Ion: 43 Resp: 1018

Ion	Ratio	Lower	Upper
43	100		
58	11.3	0.0	25.4

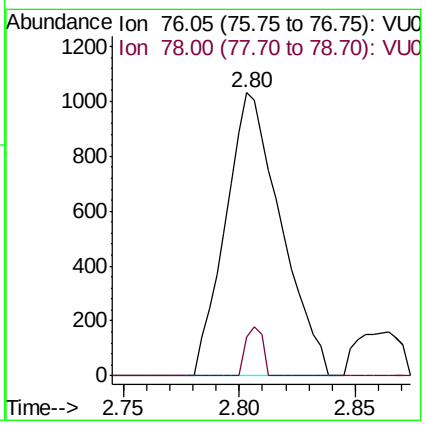


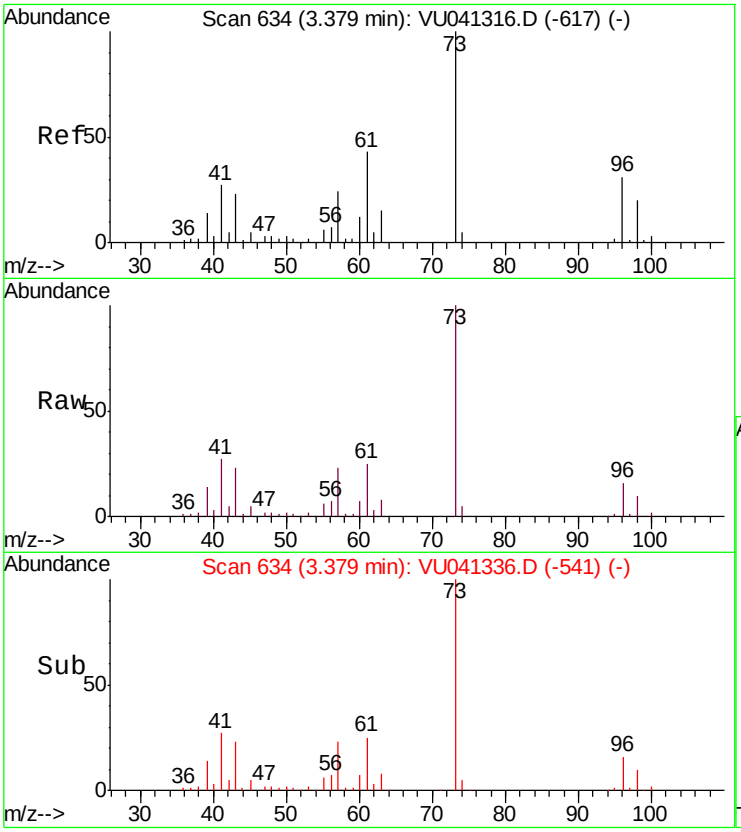


#14
Carbon disulfide
Concen: 0.138 ug/L
RT: 2.80 min Scan# 455
Delta R.T. 0.00 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Tgt Ion: 76 Resp: 1706

Ion	Ratio	Lower	Upper
76	100		
78	13.7	7.5	11.3#



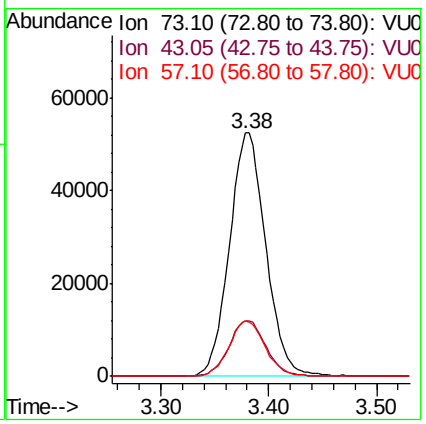


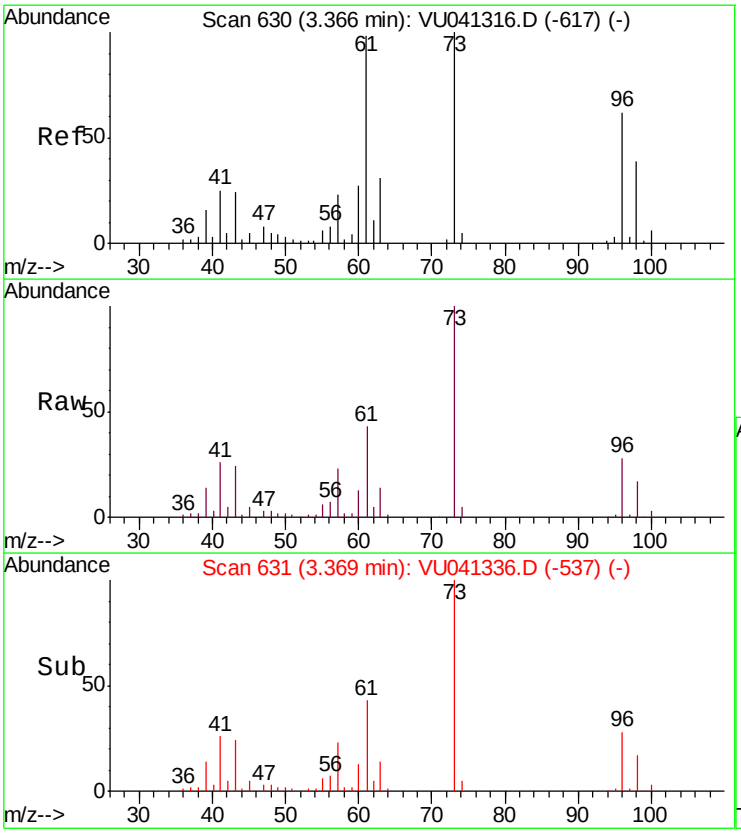
#17
Methyl tert-butyl Ether
Concen: 10.675 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Instrument :
MSVOA_U
ClientSampleId :
H4419

Tgt Ion: 73 Resp: 123065

Ion	Ratio	Lower	Upper
73	100		
43	23.3	18.5	27.7
57	22.7	18.4	27.6

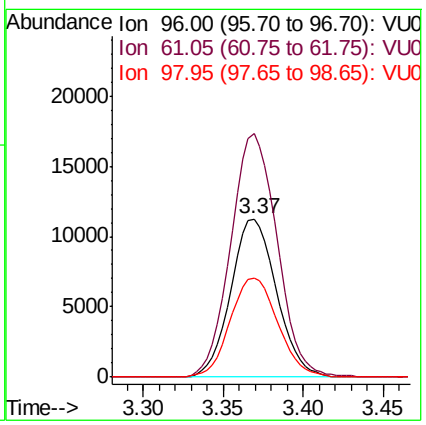


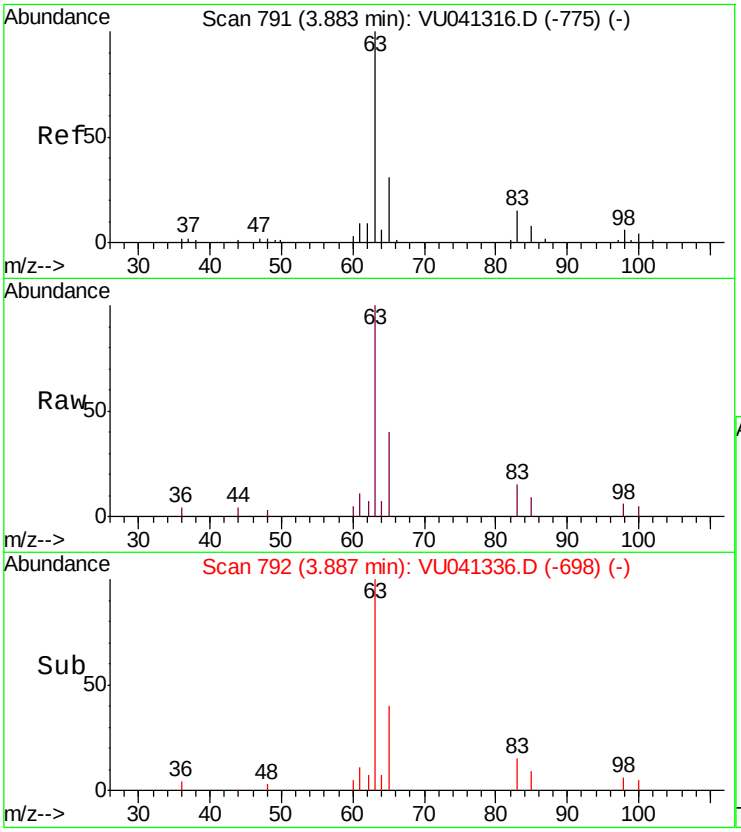


#18
trans-1,2-Dichloroethene
Concen: 5.342 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Tgt Ion: 96 Resp: 21908

Ion	Ratio	Lower	Upper
96	100		
61	154.2	110.9	205.9
98	62.9	45.4	84.2



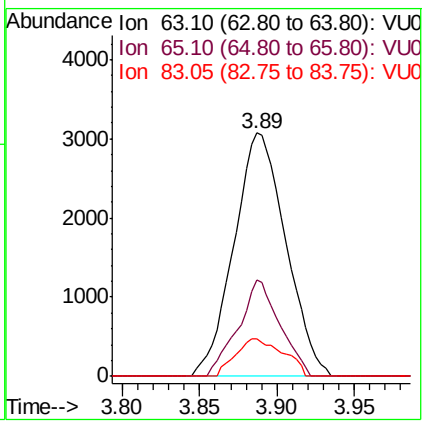


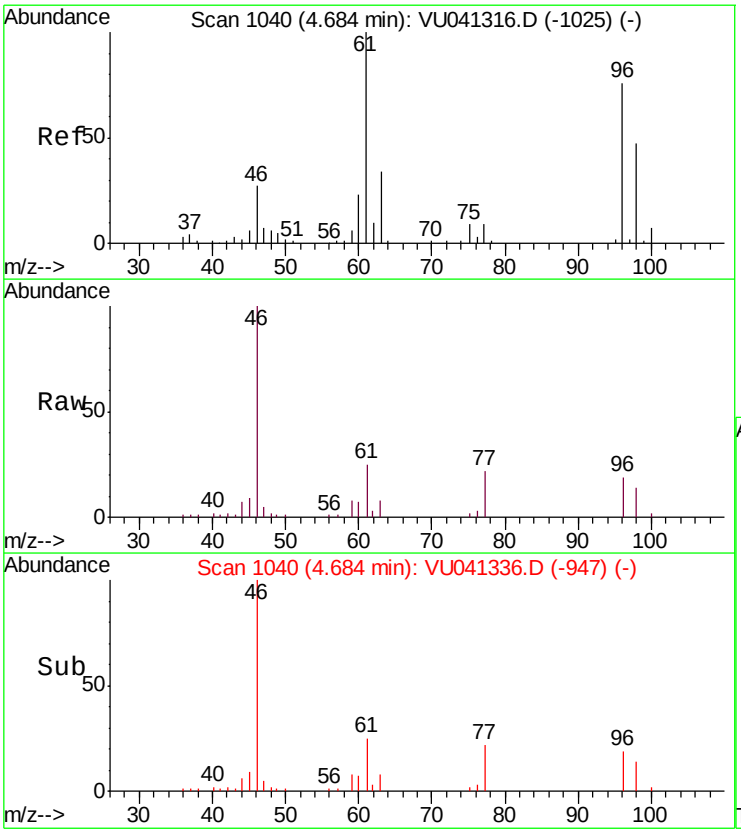
#19
1,1-Dichloroethane
Concen: 0.783 ug/L
RT: 3.89 min Scan# 792
Delta R.T. 0.00 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Instrument :
MSVOA_U
ClientSampleId :
H4419

Tgt Ion: 63 Resp: 7178

Ion	Ratio	Lower	Upper
63	100		
65	39.5	21.3	39.6
83	15.4	8.8	16.3

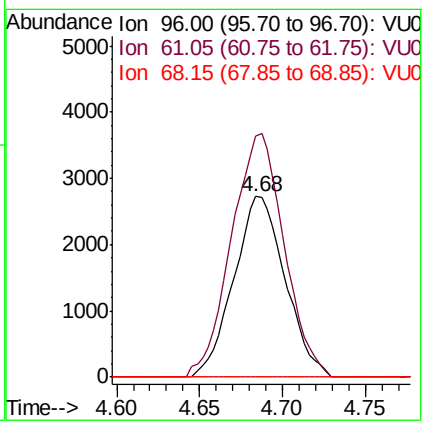


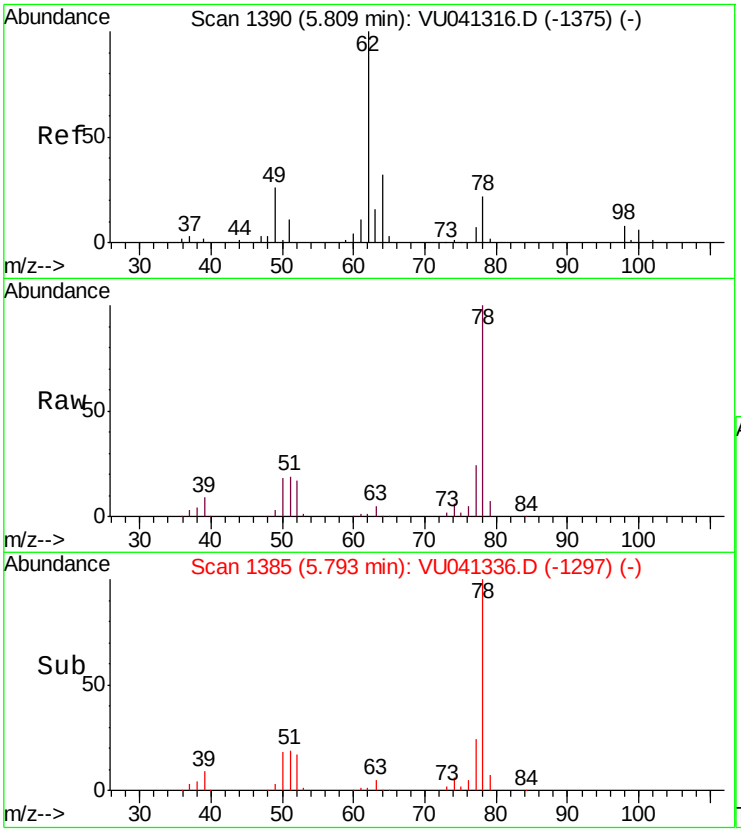


#22
cis-1,2-Dichloroethene
Concen: 1.266 ug/L
RT: 4.68 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Tgt Ion: 96 Resp: 5866

Ion	Ratio	Lower	Upper
96	100		
61	133.4	97.2	180.4
68	0.0	0.0	0.0



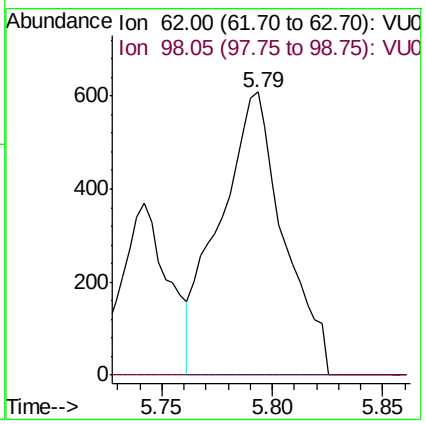


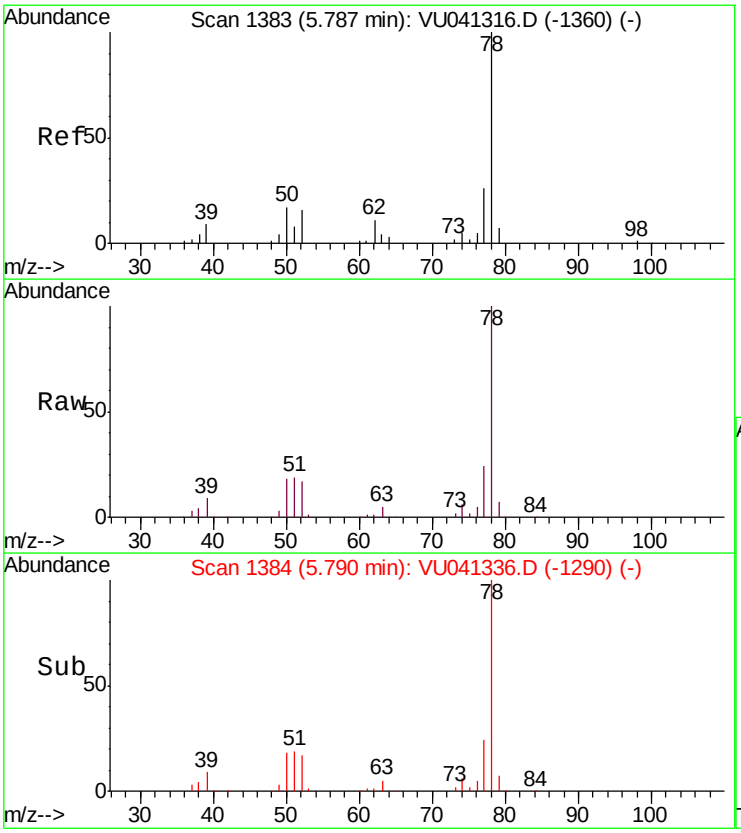
#27
1,2-Dichloroethane
Concen: 0.171 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. -0.02 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Instrument :
MSVOA_U
ClientSampleId :
H4419

Tgt Ion: 62 Resp: 1220

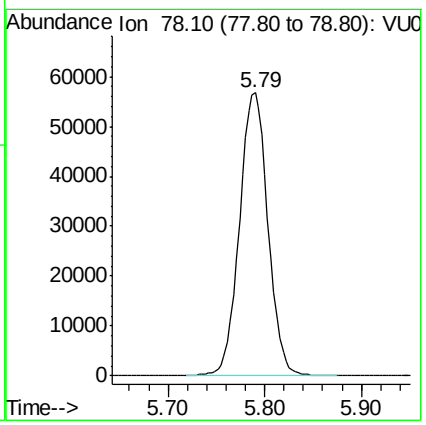
Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.6	11.4#

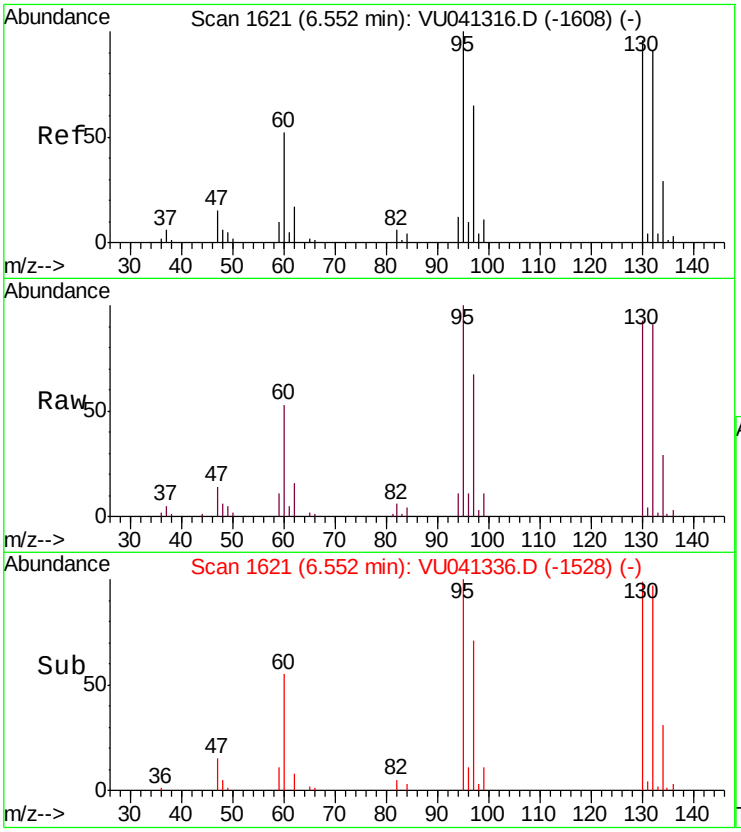




#33
Benzene
Concen: 6.564 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Tgt Ion: 78 Resp: 116107



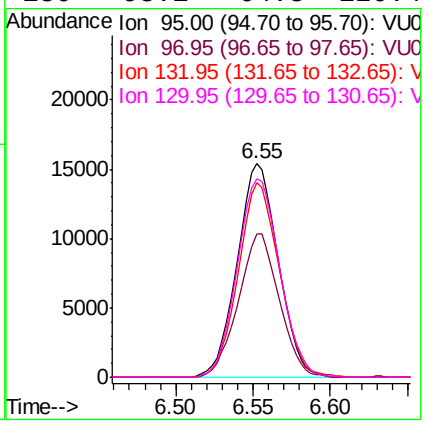


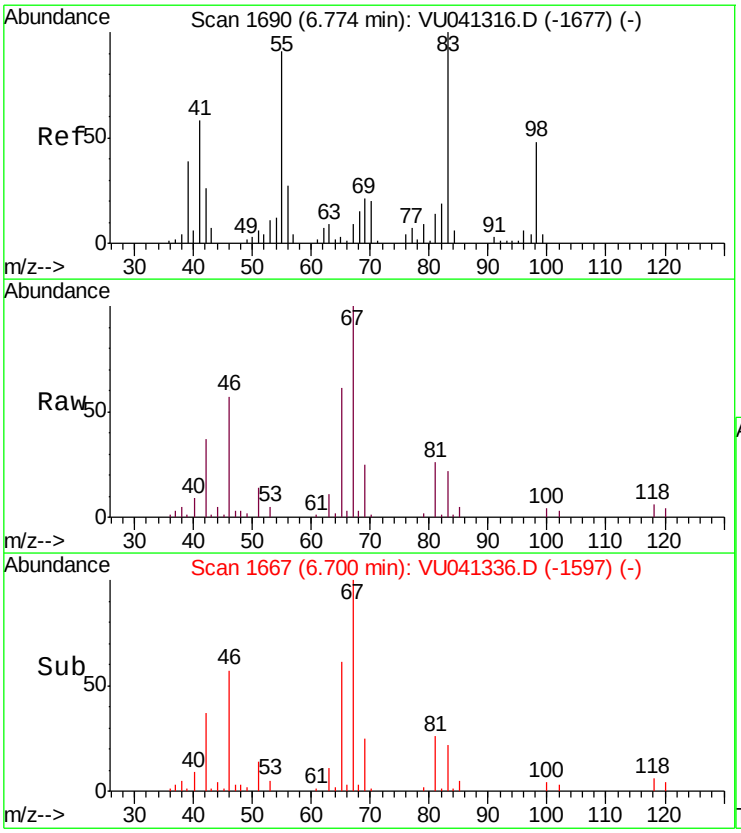
#34
Trichloroethene
Concen: 5.947 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Instrument :
MSVOA_U
ClientSampleId :
H4419

Tgt Ion: 95 Resp: 28432

Ion	Ratio	Lower	Upper
95	100		
97	66.9	45.6	84.6
132	91.1	64.8	120.4
130	93.1	64.8	120.4

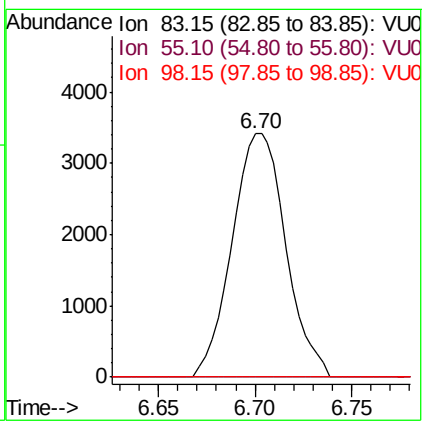


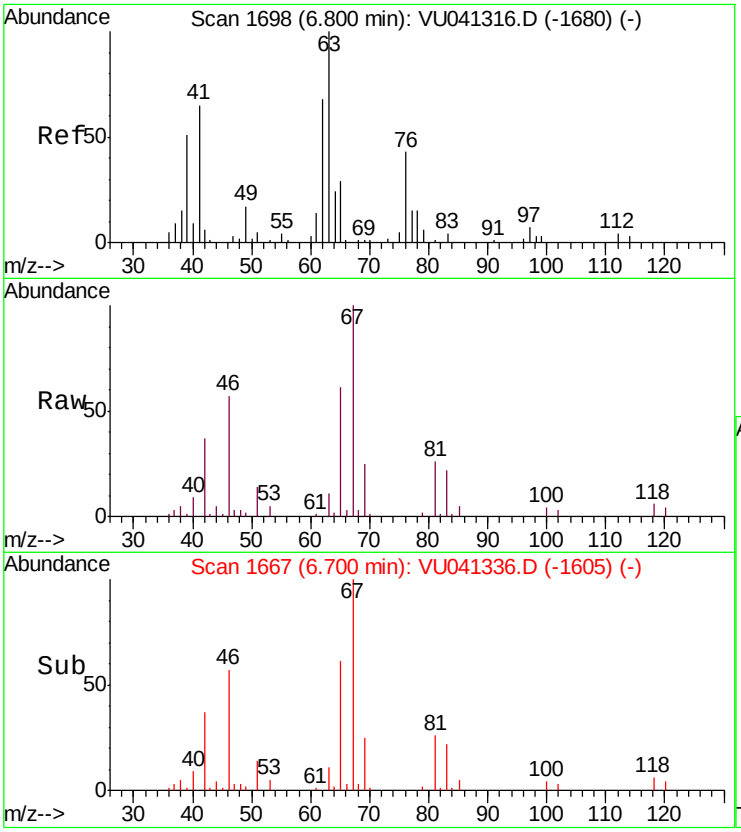


#35
Methylcyclohexane
Concen: 1.036 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Tgt Ion: 83 Resp: 6578

Ion	Ratio	Lower	Upper
83	100		
55	0.0	72.0	108.0#
98	0.0	36.6	55.0#



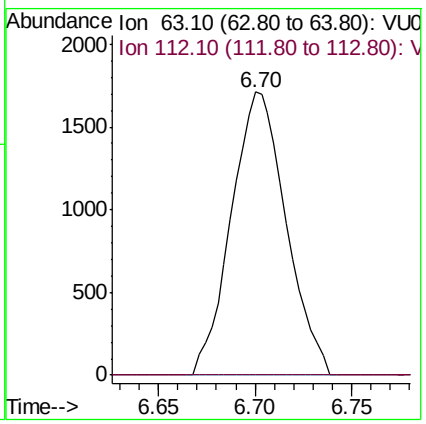


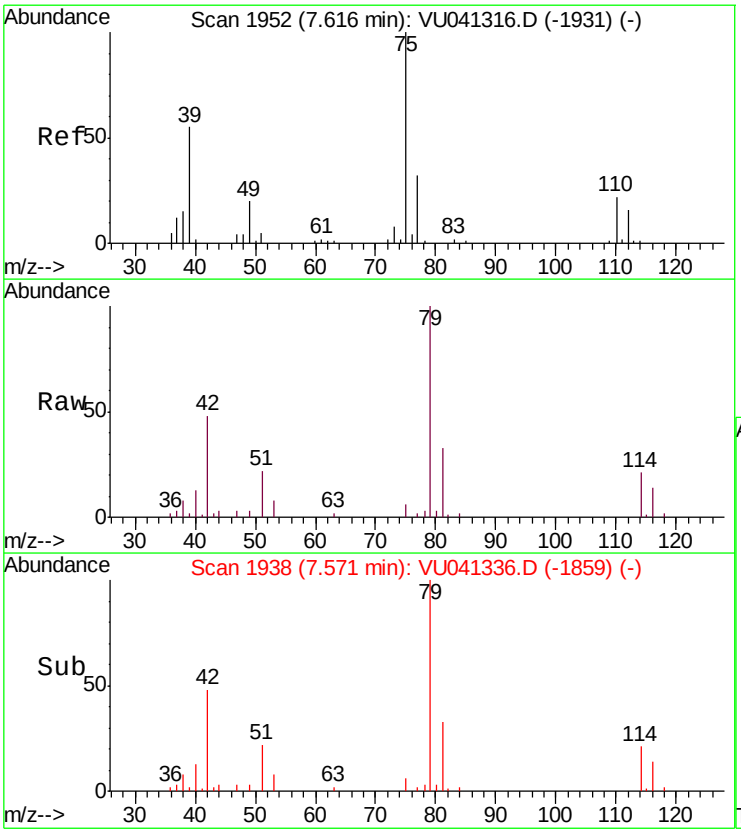
#37
1,2-Dichloropropane
Concen: 0.651 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Instrument : MSVOA_U
ClientSampleId : H4419

Tgt Ion: 63 Resp: 3368

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.6	5.4#

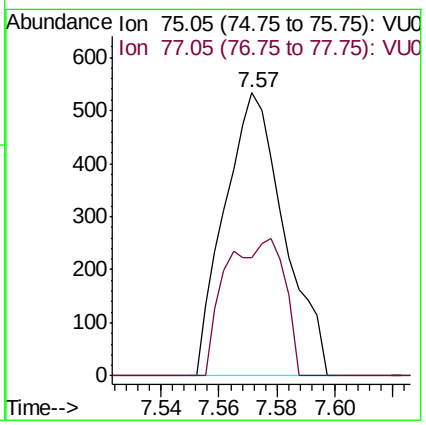


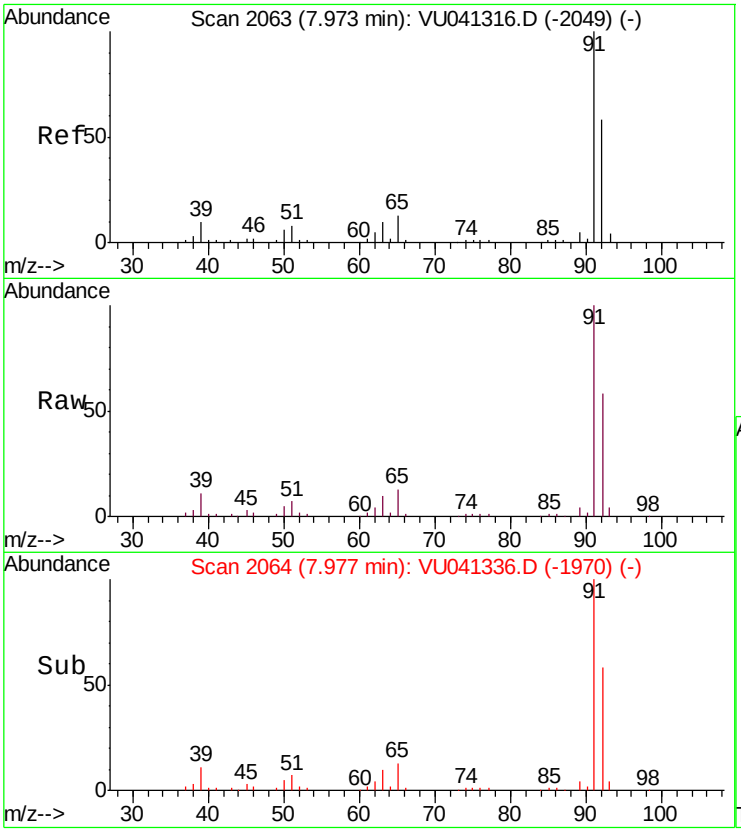


#39
cis-1,3-Dichloropropene
Concen: 0.105 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.04 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Tgt Ion: 75 Resp: 760

Ion	Ratio	Lower	Upper
75	100		
77	42.0	22.7	42.3



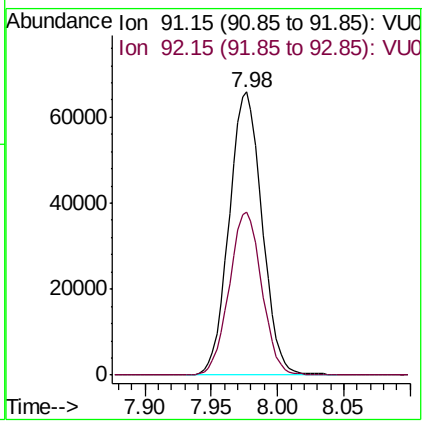


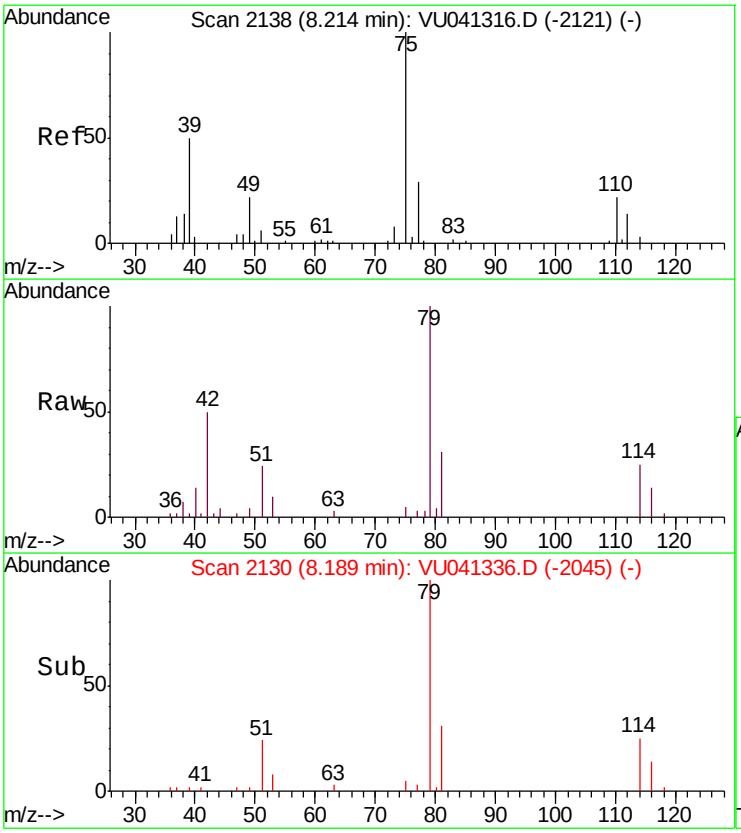
#42
Toluene
Concen: 6.012 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Instrument : MSVOA_U
ClientSampleId : H4419

Tgt Ion: 91 Resp: 113649

Ion	Ratio	Lower	Upper
91	100		
92	57.8	40.6	75.4

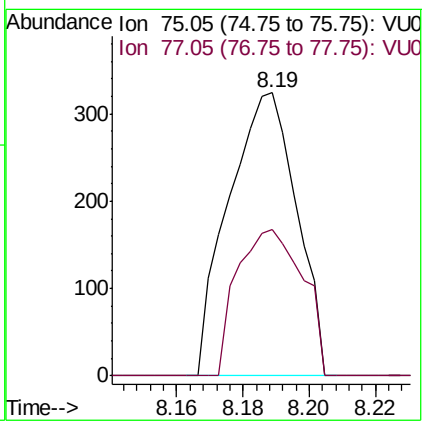


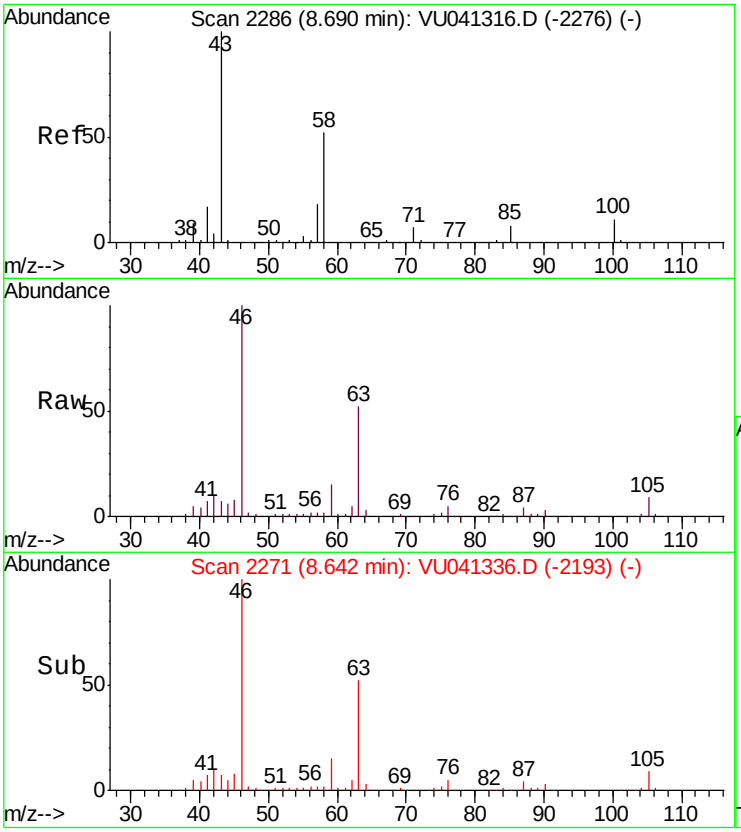


#44
trans-1,3-Dichloropropene
Concen: 0.068 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Tgt Ion: 75 Resp: 462

Ion	Ratio	Lower	Upper
75	100		
77	51.5	23.3	43.3#



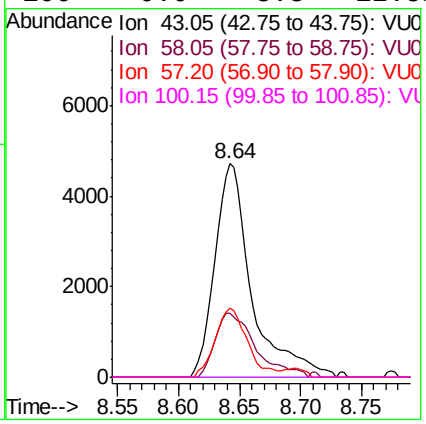


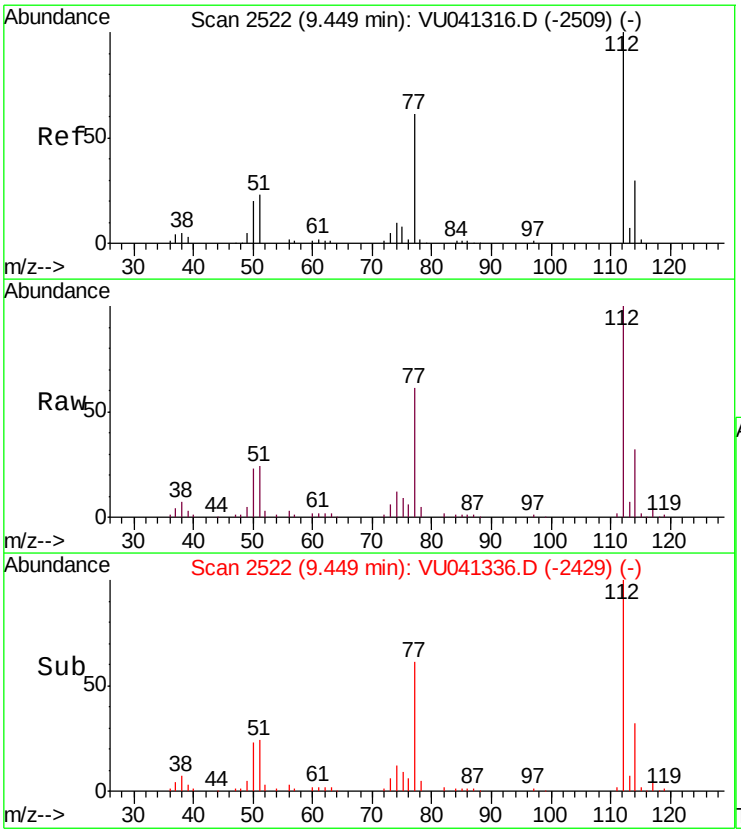
#48
2-Hexanone
Concen: 3.130 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Instrument : MSVOA_U
ClientSampleId : H4419

Tgt Ion: 43 Resp: 9997

Ion	Ratio	Lower	Upper
43	100		
58	33.0	41.4	62.2#
57	28.5	14.6	21.8#
100	0.0	8.3	12.5#

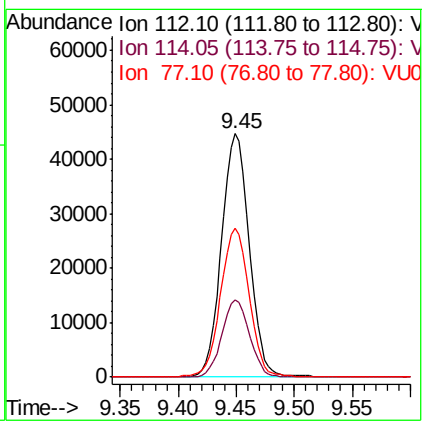


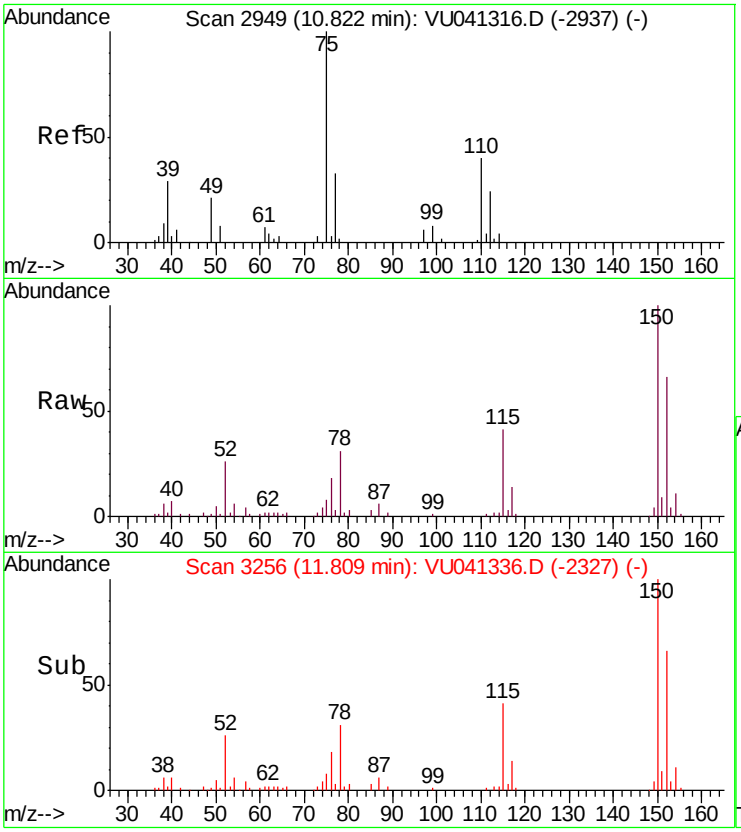


#51
Chlorobenzene
Concen: 5.888 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Tgt Ion:112 Resp: 73721

Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.4	41.6
77	61.3	51.2	76.8





#59
1,2,3-Trichloropropane
Concen: 0.886 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041336.D
Acq: 19 Nov 2020 00:58

Instrument :
MSVOA_U
ClientSampleId :
H4419

Tgt Ion: 75 Resp: 3611

Ion	Ratio	Lower	Upper
75	100		
77	38.9	25.7	38.5#