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

Quantitation Report (Not Reviewed)

Data File : VU041335.D
Acq On : 19 Nov 2020 00:34
Operator : SY/MD
Sample : L4790-19MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4419

Quant Time: Nov 19 02:17:11 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	64763	5.00	ug/L		0.00
28) Chlorobenzene-d5	9.42	117	67062	5.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26998	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.60	65	20164	4.23	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 84.60%				
7) Chloroethane-d5	1.92	69	17822	4.37	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 87.40%				
11) 1,1-Dichloroethene-d2	2.58	63	45261	4.60	ug/L		0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 92.00%				
20) 2-Butanone-d5	4.66	46	90035	45.84	ug/L		0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 91.68%				
24) Chloroform-d	5.08	84	49751	4.83	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.60%				
26) 1,2-Dichloroethane-d4	5.72	65	31264	4.65	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 93.00%				
32) Benzene-d6	5.74	84	85784	4.75	ug/L		0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.00%				
36) 1,2-Dichloropropane-d6	6.70	67	29828	4.79	ug/L		0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 95.80%				
41) Toluene-d8	7.91	98	70021	4.11	ug/L		0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 82.20%				
43) trans-1,3-Dichloropropene-	8.19	79	11252	4.19	ug/L		0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 83.80%				
46) 2-Hexanone-d5	8.64	63	64082	44.74	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 89.48%				
57) 1,1,2,2-Tetrachloroethane-	10.76	84	27039	4.47	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 89.40%				
64) 1,2-Dichlorobenzene-d4	12.19	152	27894	5.30	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 106.00%				
Target Compounds							Qvalue
3) Chloromethane	1.52	50	939	0.163	ug/L		91
5) Vinyl chloride	1.61	62	70247	12.494	ug/L	#	70
8) Chloroethane	2.14	64	326	0.087	ug/L	#	52
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	256	0.054	ug/L	#	22
12) 1,1-Dichloroethene	2.59	96	24317	5.768	ug/L		98
13) Acetone	2.67	43	1768	1.357	ug/L		96
14) Carbon disulfide	2.80	76	2194	0.177	ug/L	#	74
17) Methyl tert-butyl Ether	3.38	73	122488	10.613	ug/L		100
18) trans-1,2-Dichloroethene	3.37	96	22137	5.392	ug/L		94
19) 1,1-Dichloroethane	3.89	63	7348	0.800	ug/L		95
22) cis-1,2-Dichloroethene	4.68	96	6165	1.329	ug/L		98
27) 1,2-Dichloroethane	5.79	62	1450	0.203	ug/L	#	74
33) Benzene	5.79	78	116829	6.428	ug/L		100
34) Trichloroethene	6.55	95	28538	5.810	ug/L		97
35) Methylcyclohexane	6.70	83	6861	1.051	ug/L	#	13
37) 1,2-Dichloropropane	6.70	63	3467	0.653	ug/L	#	86
39) cis-1,3-Dichloropropene	7.58	75	835	0.113	ug/L		95

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

Quantitation Report (Not Reviewed)

Data File : VU041335.D
Acq On : 19 Nov 2020 00:34
Operator : SY/MD
Sample : L4790-19MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H4419

Quant Time: Nov 19 02:17:11 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)
42) Toluene	7.98	91	114006	5.870	ug/L		99
44) trans-1,3-Dichloropropene	8.19	75	494	0.070	ug/L	#	73
48) 2-Hexanone	8.64	43	10190	3.105	ug/L	#	70
51) Chlorobenzene	9.45	112	74071	5.758	ug/L		97
59) 1,2,3-Trichloropropane	11.81	75	3395	0.810	ug/L	#	81

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

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

Quantitation Report (Not Reviewed)

Data File : VU041335.D
Acq On : 19 Nov 2020 00:34
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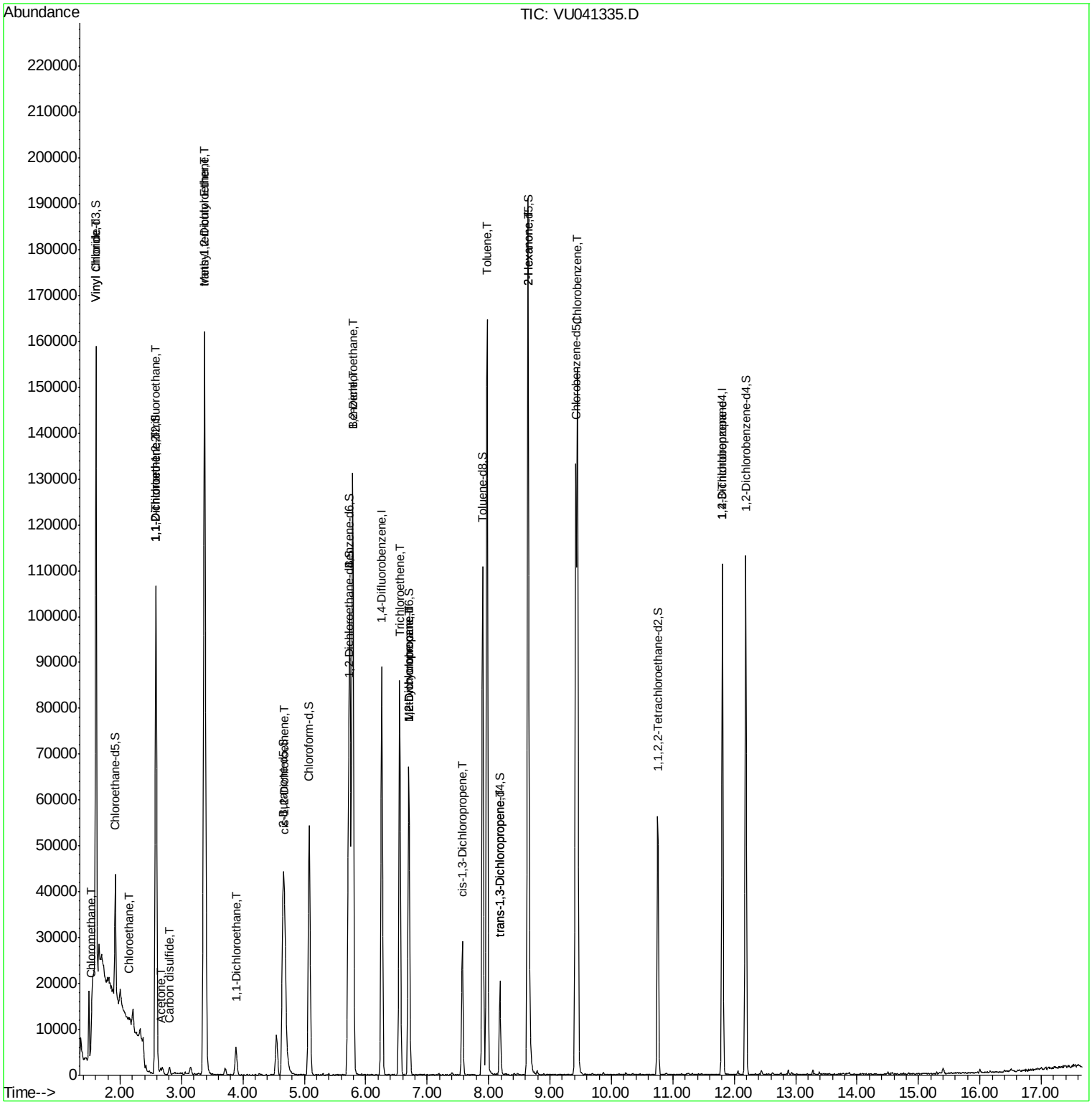
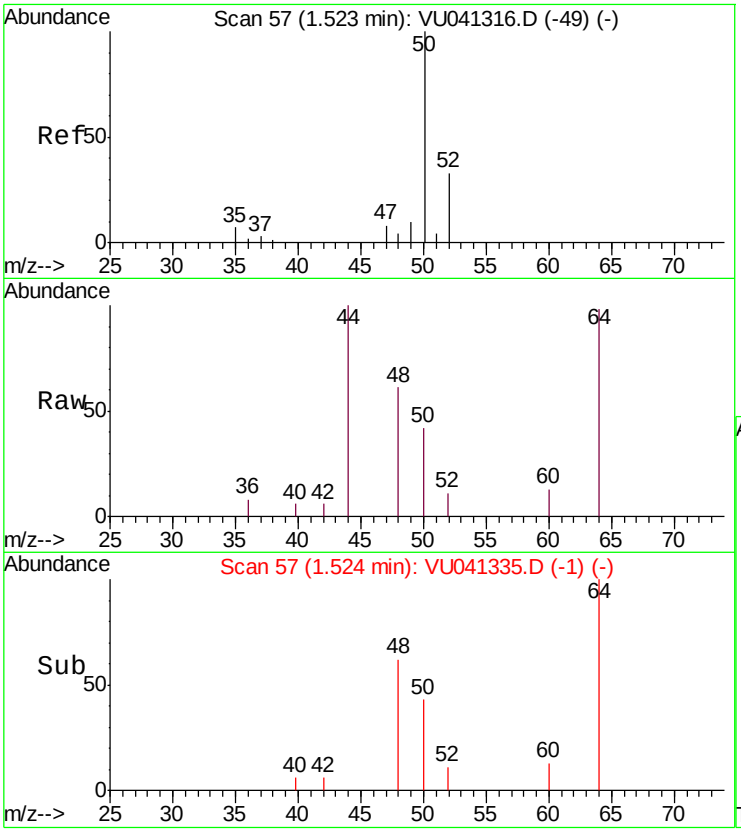
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration



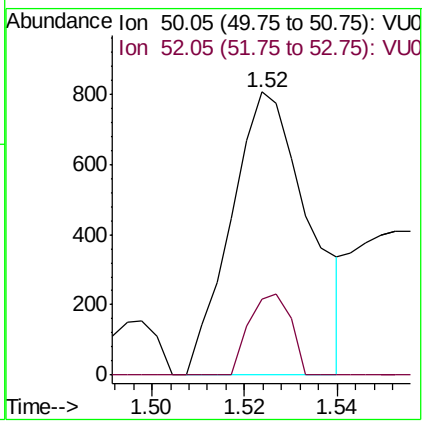


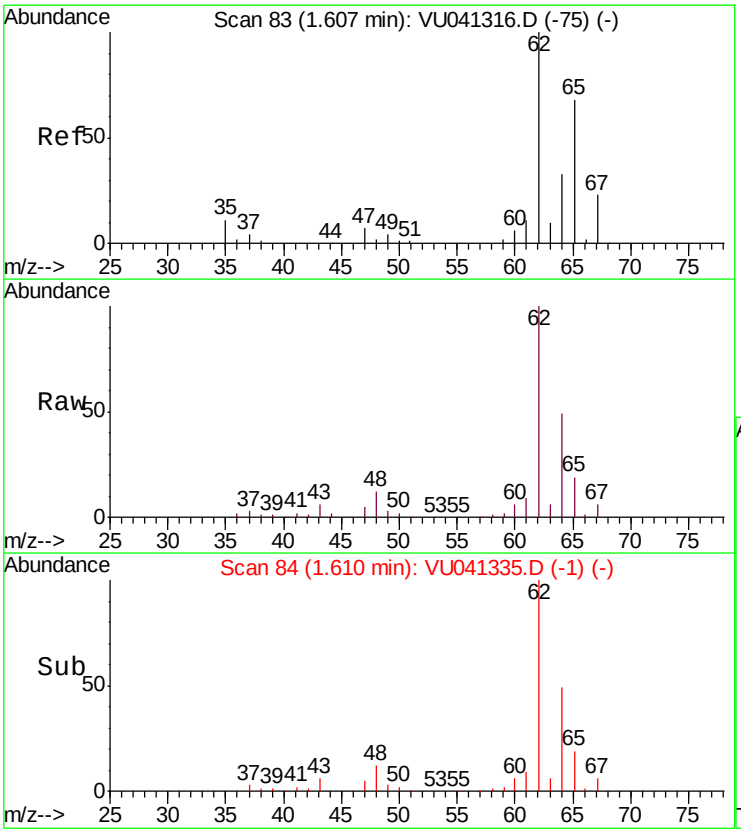
#3
Chloromethane
Concen: 0.163 ug/L
RT: 1.52 min Scan# 57
Delta R.T. 0.00 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Instrument :
MSVOA_U
ClientSampleId :
H4419

Tgt Ion: 50 Resp: 939

Ion	Ratio	Lower	Upper
50	100		
52	27.0	22.4	41.6

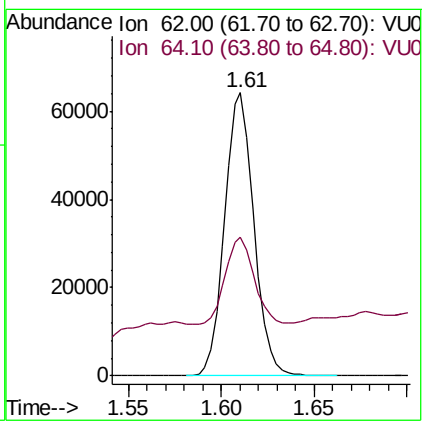


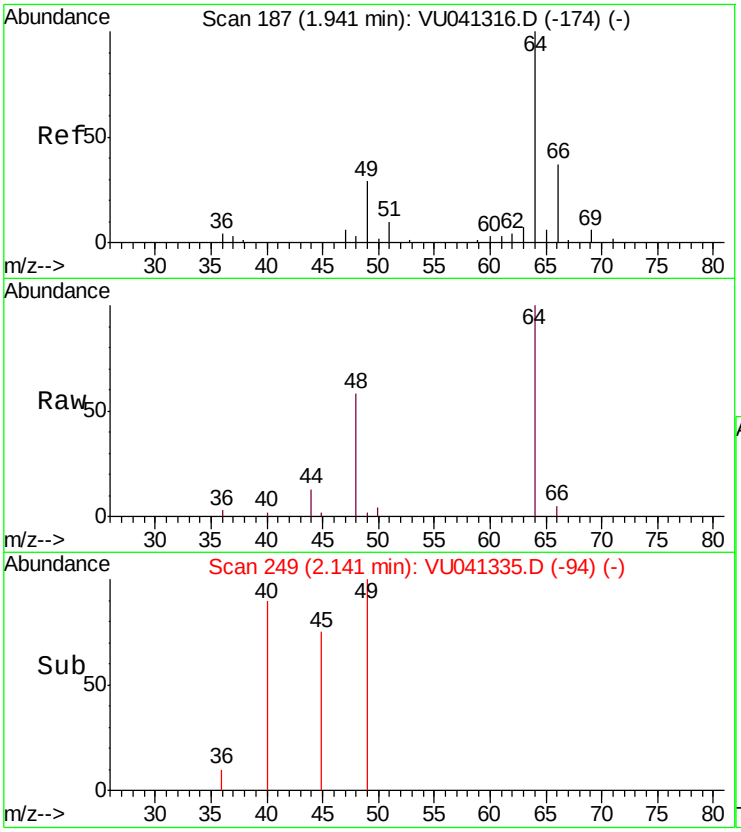


#5
Vinyl chloride
Concen: 12.494 ug/L
RT: 1.61 min Scan# 84
Delta R.T. 0.00 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Tgt Ion: 62 Resp: 70247

Ion	Ratio	Lower	Upper
62	100		
64	49.1	22.7	42.3#



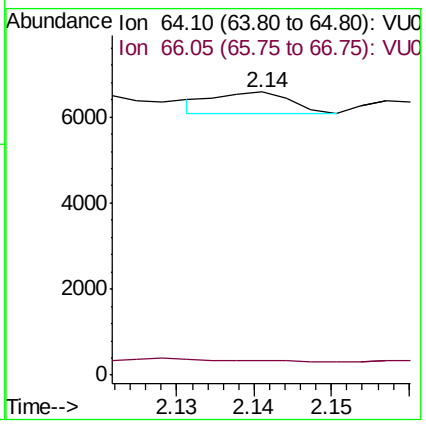


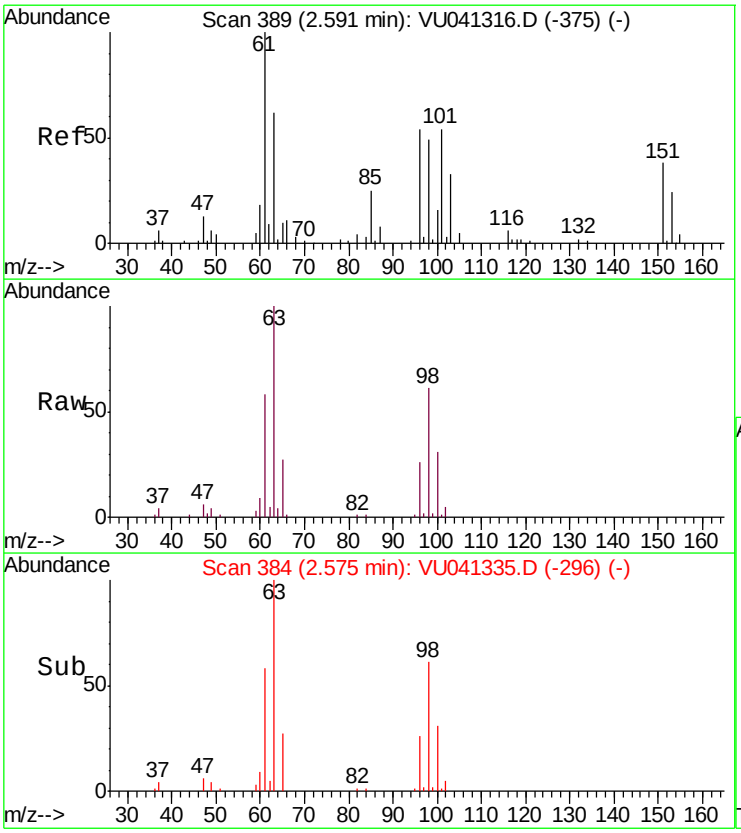
#8
Chloroethane
Concen: 0.087 ug/L
RT: 2.14 min Scan# 249
Delta R.T. 0.20 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Instrument : MSVOA_U
ClientSampleId : H4419

Tgt Ion: 64 Resp: 326

Ion	Ratio	Lower	Upper
64	100		
66	5.2	22.3	41.5#

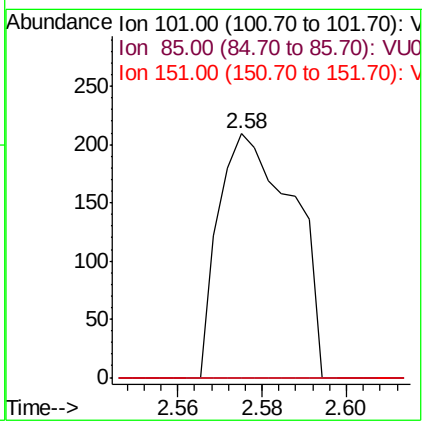


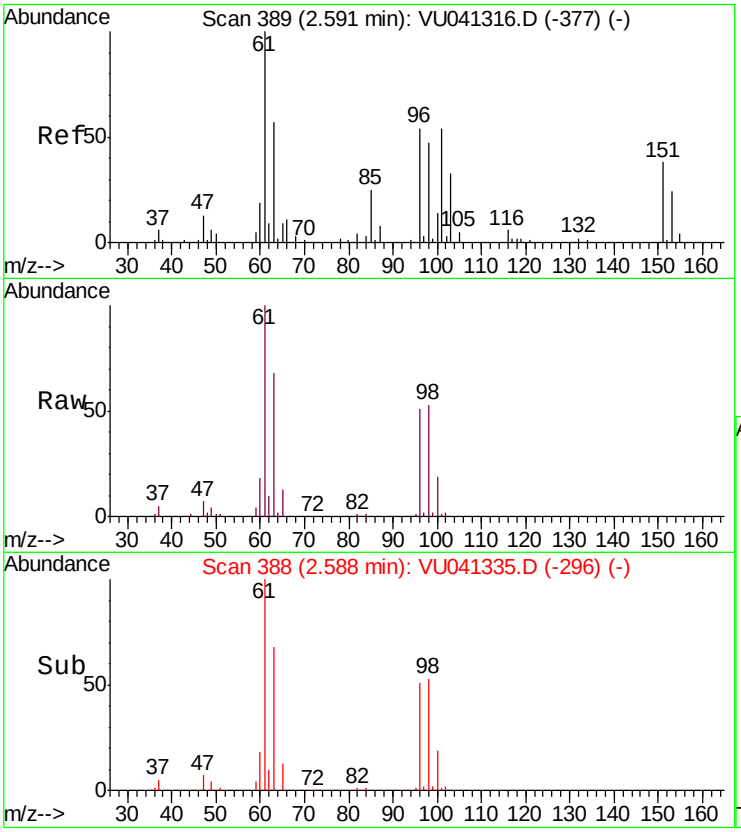


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.054 ug/L
RT: 2.58 min Scan# 384
Delta R.T. -0.02 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Tgt Ion:101 Resp: 256

Ion	Ratio	Lower	Upper
101	100		
85	0.0	35.0	52.4#
151	0.0	55.3	82.9#



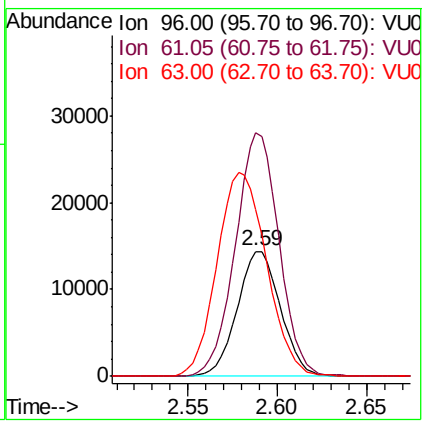


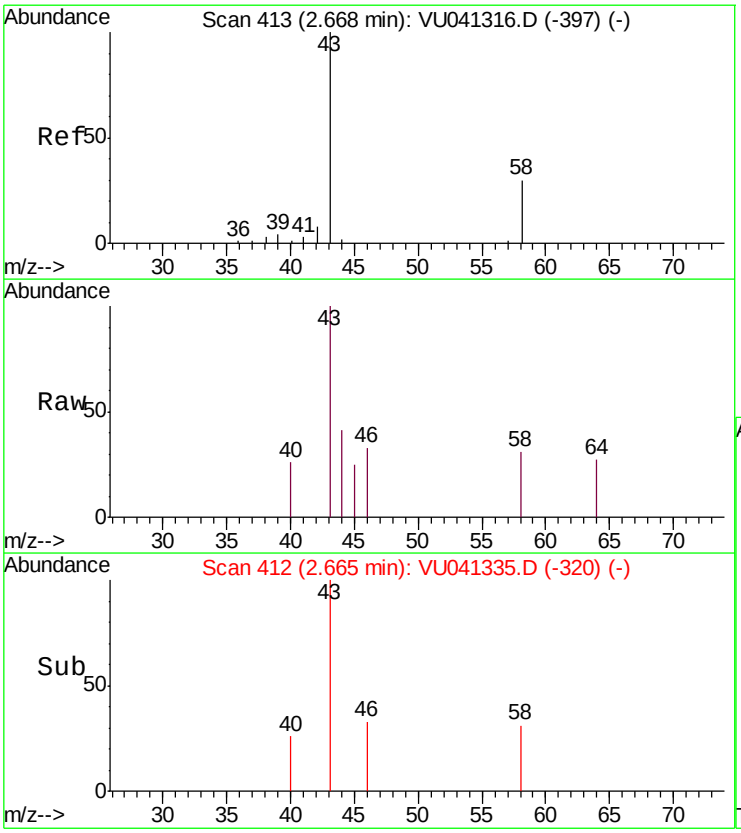
#12
1,1-Dichloroethene
Concen: 5.768 ug/L
RT: 2.59 min Scan# 388
Delta R.T. -0.00 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Instrument : MSVOA_U
ClientSampleId : H4419

Tgt Ion: 96 Resp: 24317

Ion	Ratio	Lower	Upper
96	100		
61	194.8	134.3	249.5
63	133.4	95.0	176.4

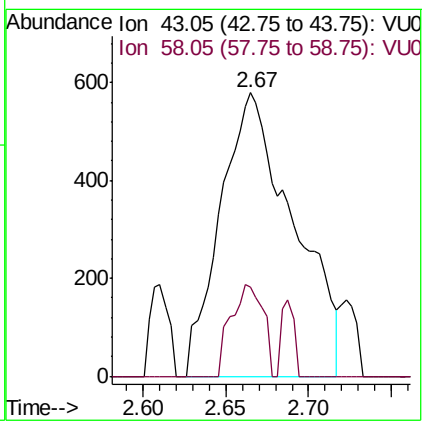


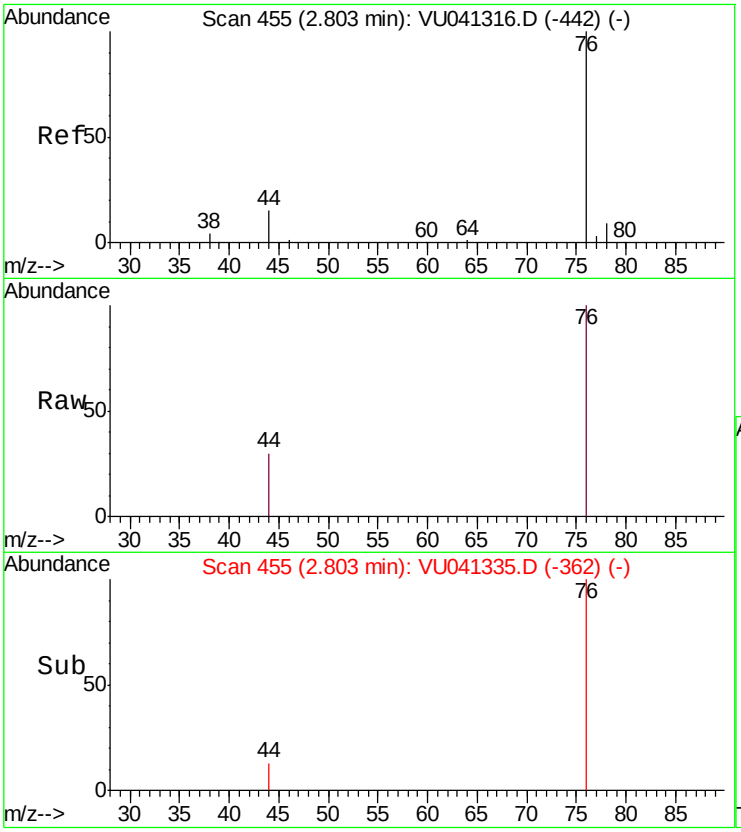


#13
Acetone
Concen: 1.357 ug/L
RT: 2.67 min Scan# 412
Delta R.T. -0.00 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Tgt Ion: 43 Resp: 1768

Ion	Ratio	Lower	Upper
43	100		
58	14.1	0.0	25.4



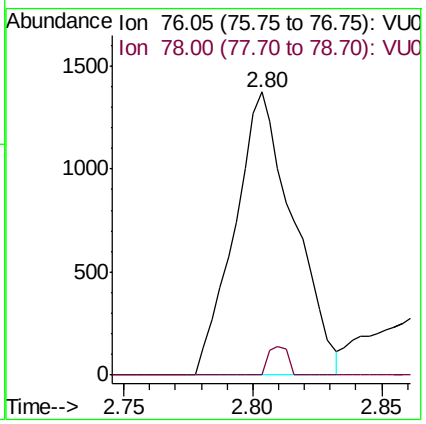


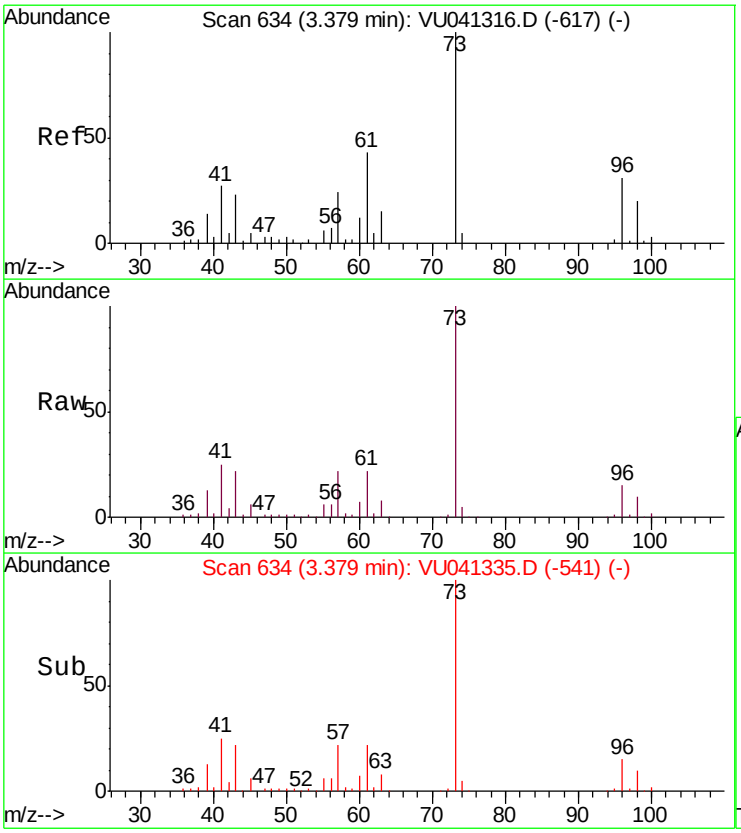
#14
Carbon disulfide
Concen: 0.177 ug/L
RT: 2.80 min Scan# 455
Delta R.T. 0.00 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Instrument : MSVOA_U
ClientSampleId : H4419

Tgt Ion: 76 Resp: 2194

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.5	11.3#

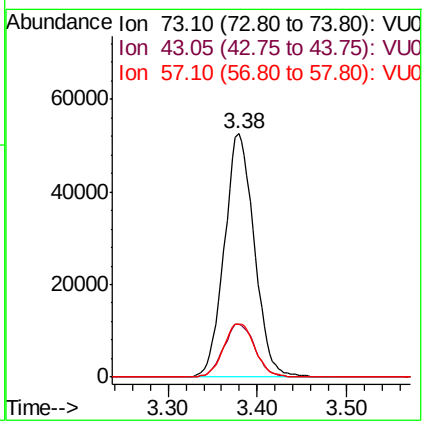


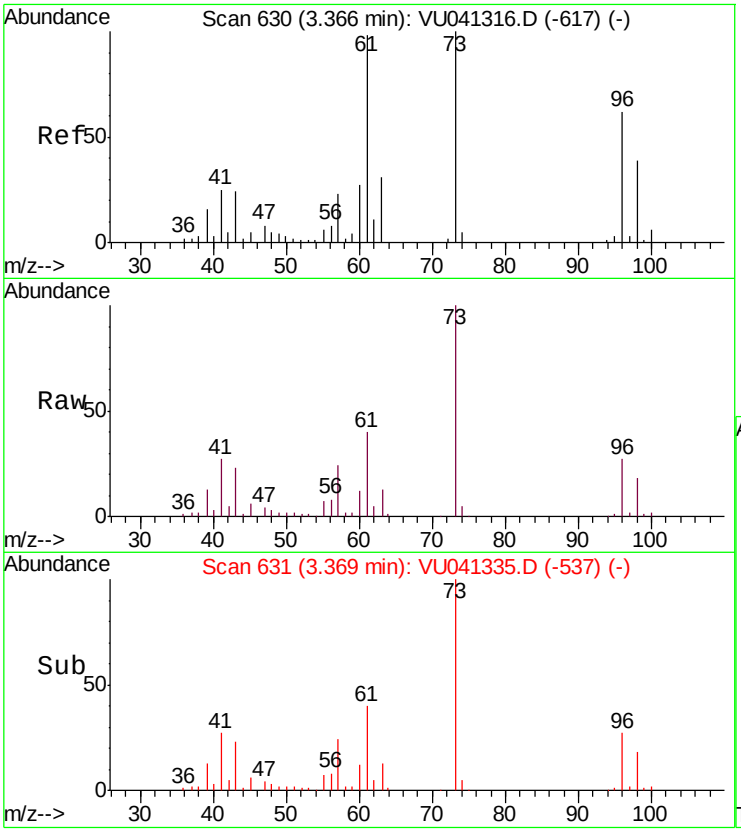


#17
Methyl tert-butyl Ether
Concen: 10.613 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Tgt Ion: 73 Resp: 122488

Ion	Ratio	Lower	Upper
73	100		
43	22.8	18.5	27.7
57	22.9	18.4	27.6



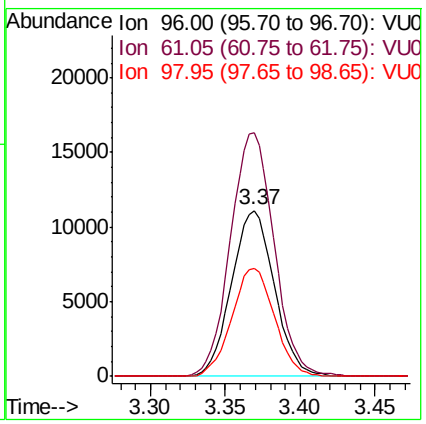


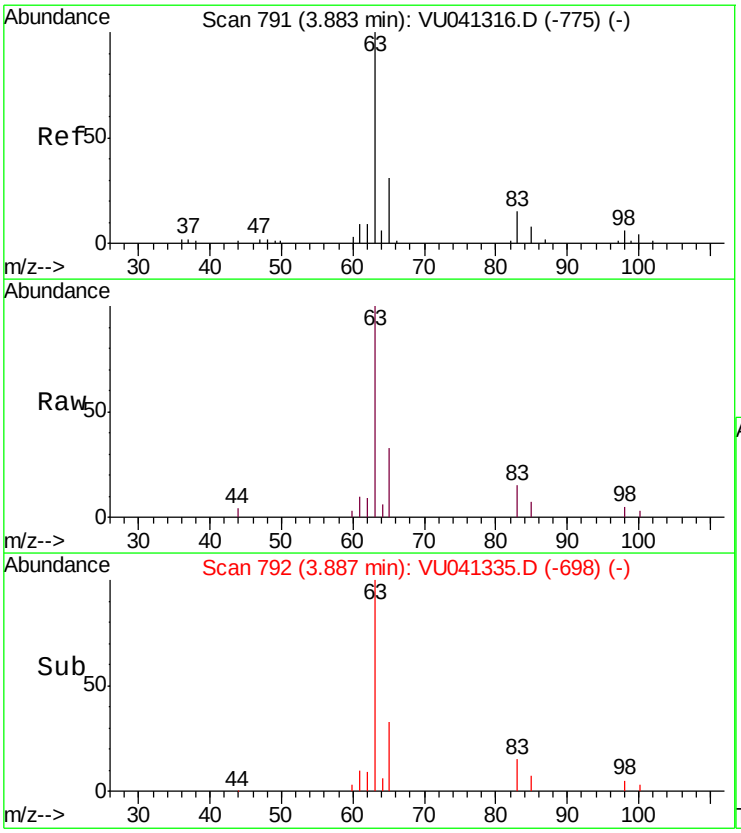
#18
trans-1,2-Dichloroethene
Concen: 5.392 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Instrument :
MSVOA_U
ClientSampleId :
H4419

Tgt Ion: 96 Resp: 22137

Ion	Ratio	Lower	Upper
96	100		
61	147.1	110.9	205.9
98	65.1	45.4	84.2

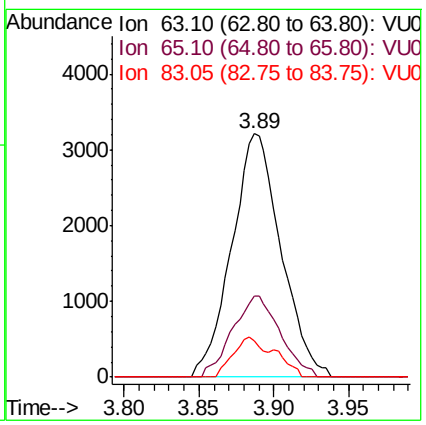


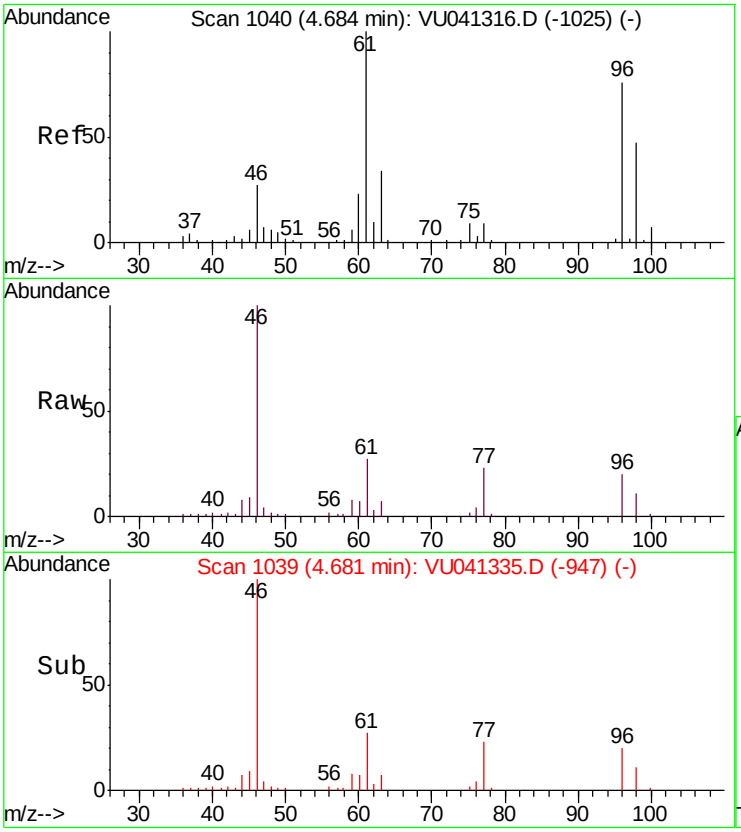


#19
1,1-Dichloroethane
Concen: 0.800 ug/L
RT: 3.89 min Scan# 792
Delta R.T. 0.00 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Tgt Ion: 63 Resp: 7348

Ion	Ratio	Lower	Upper
63	100		
65	33.1	21.3	39.6
83	15.2	8.8	16.3



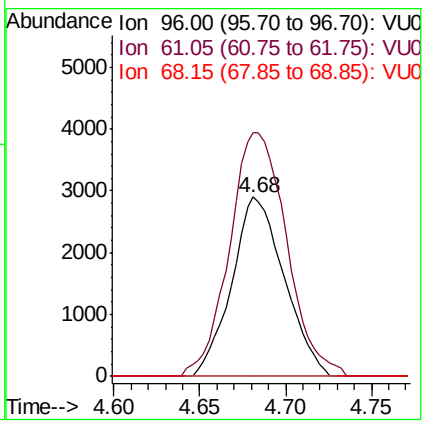


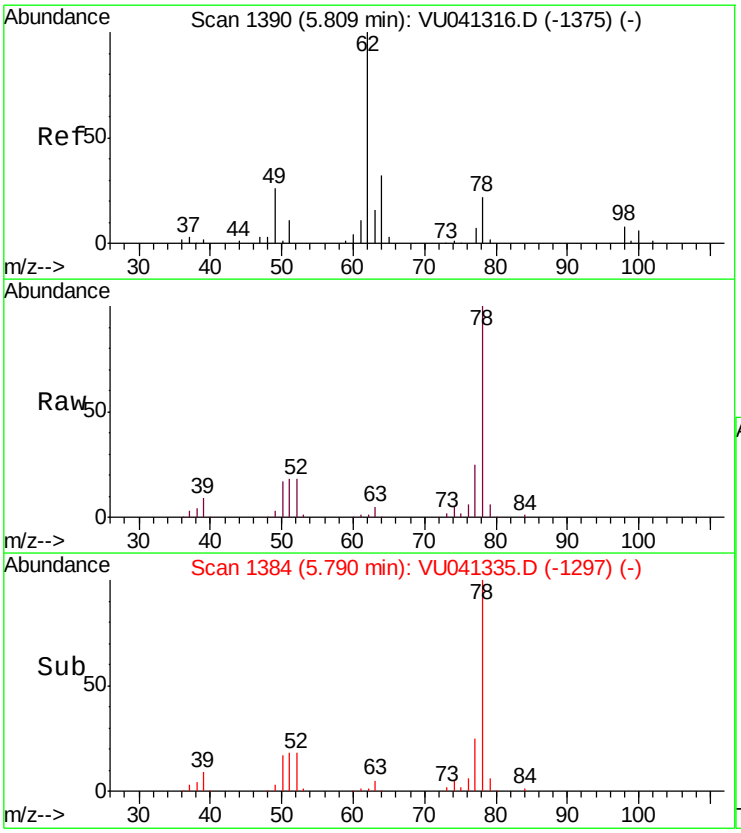
#22
cis-1,2-Dichloroethene
Concen: 1.329 ug/L
RT: 4.68 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Instrument : MSVOA_U
ClientSampleId : H4419

Tgt Ion: 96 Resp: 6165

Ion	Ratio	Lower	Upper
96	100		
61	135.9	97.2	180.4
68	0.0	0.0	0.0

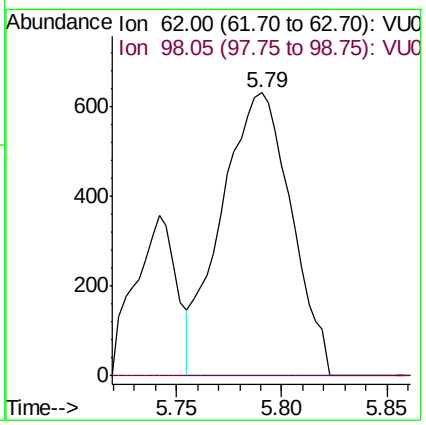


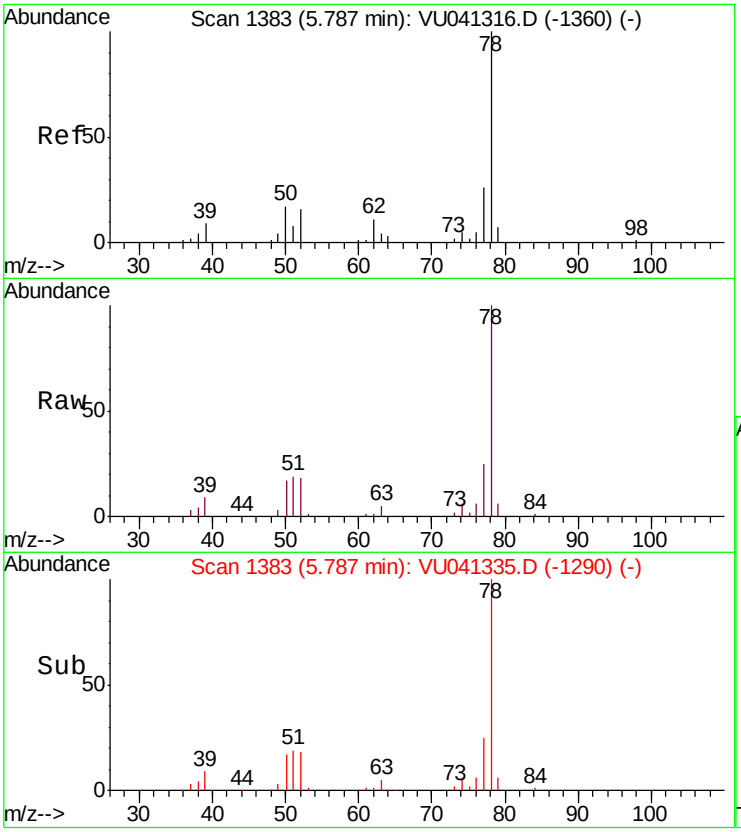


#27
1,2-Dichloroethane
Concen: 0.203 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.02 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Tgt Ion: 62 Resp: 1450

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.6	11.4#

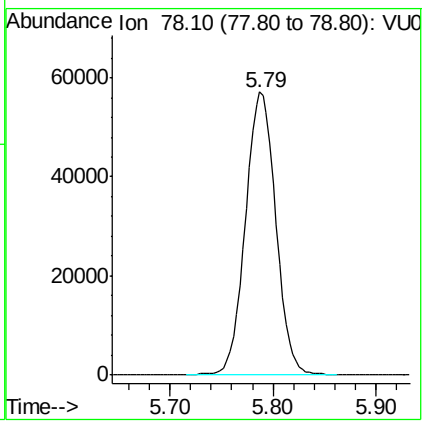


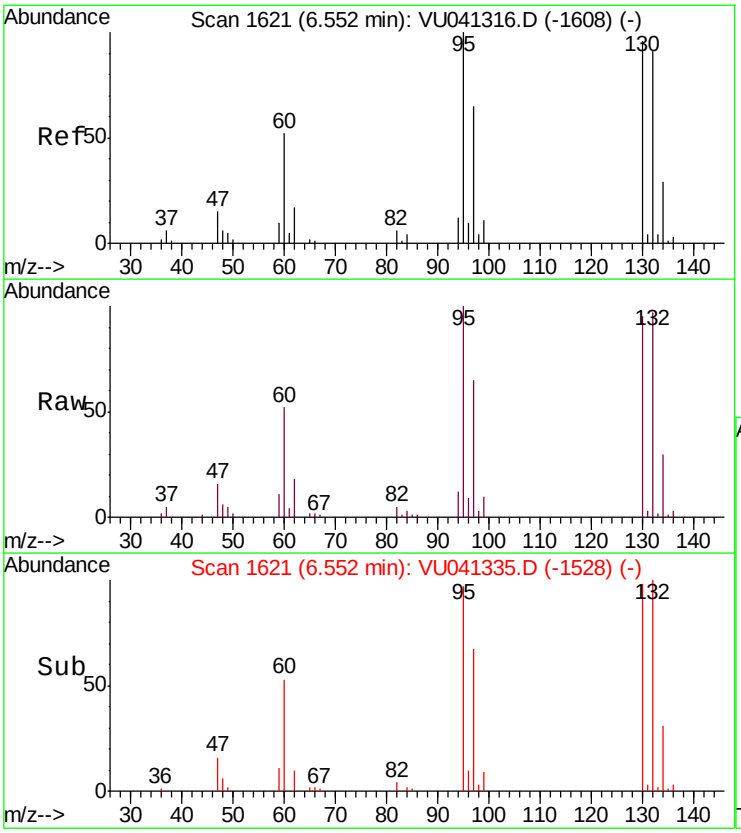


#33
Benzene
Concen: 6.428 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Instrument :
MSVOA_U
ClientSampleId :
H4419

Tgt Ion: 78 Resp: 116829

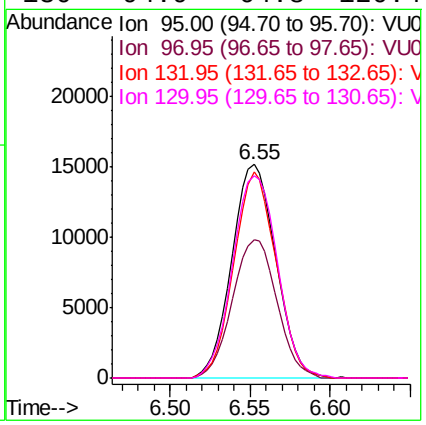


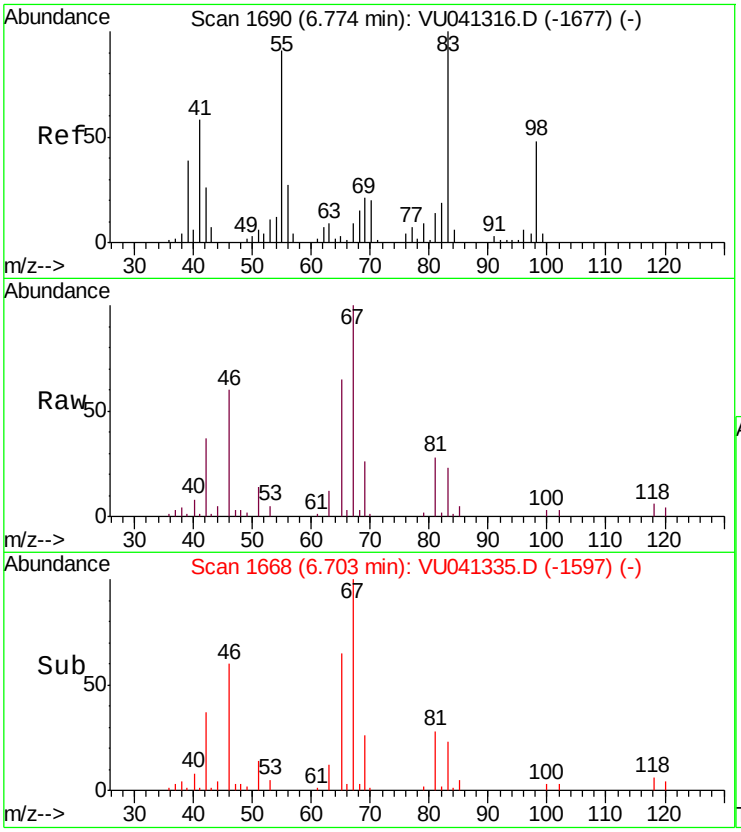


#34
Trichloroethene
Concen: 5.810 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Tgt Ion: 95 Resp: 28538

Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.6	84.6
132	96.5	64.8	120.4
130	94.9	64.8	120.4



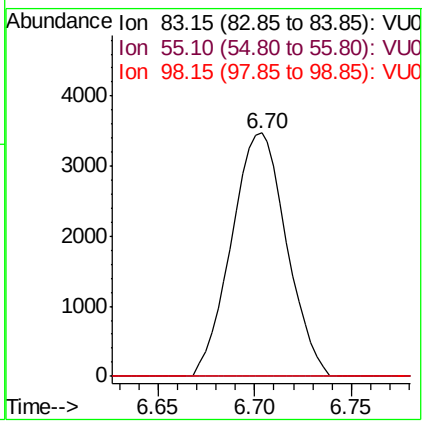


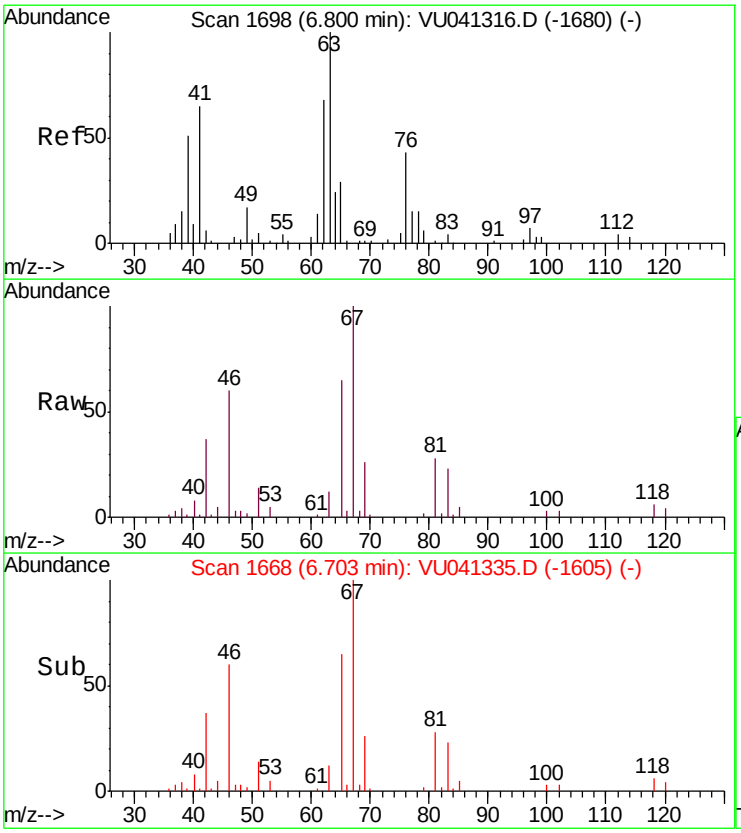
#35
Methylcyclohexane
Concen: 1.051 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Instrument :
MSVOA_U
ClientSampleId :
H4419

Tgt Ion: 83 Resp: 6861

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

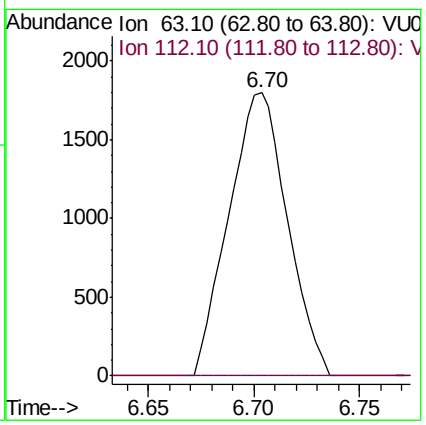


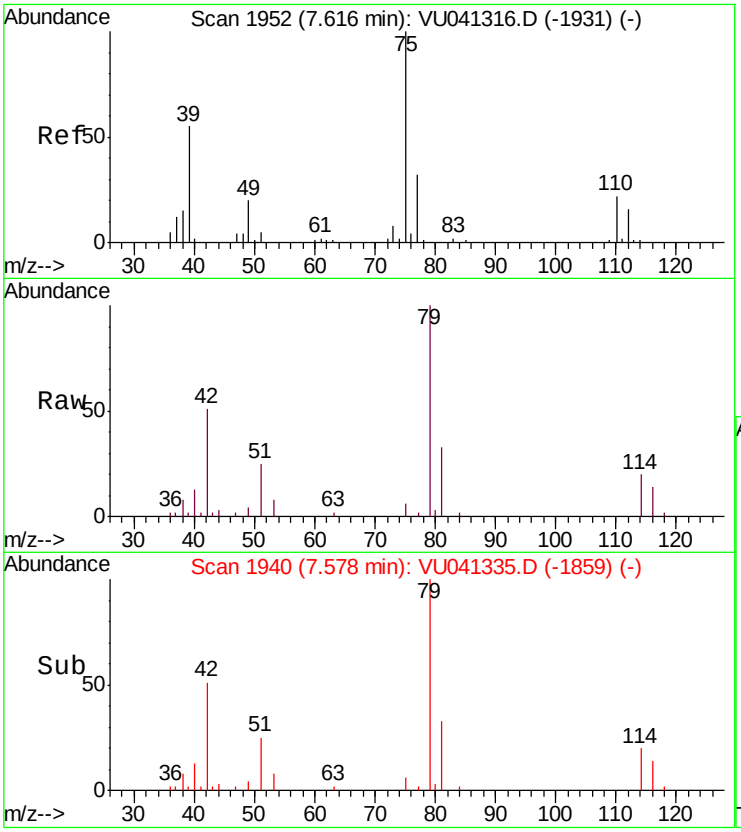


#37
1,2-Dichloropropane
Concen: 0.653 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Tgt Ion: 63 Resp: 3467

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.6	5.4#



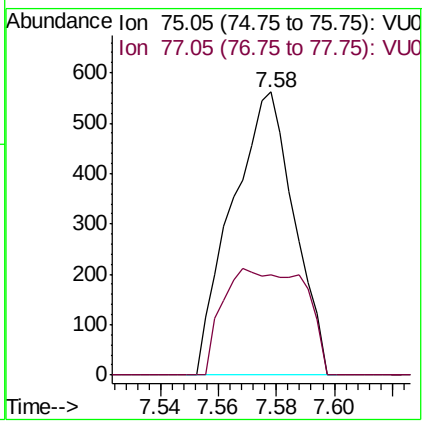


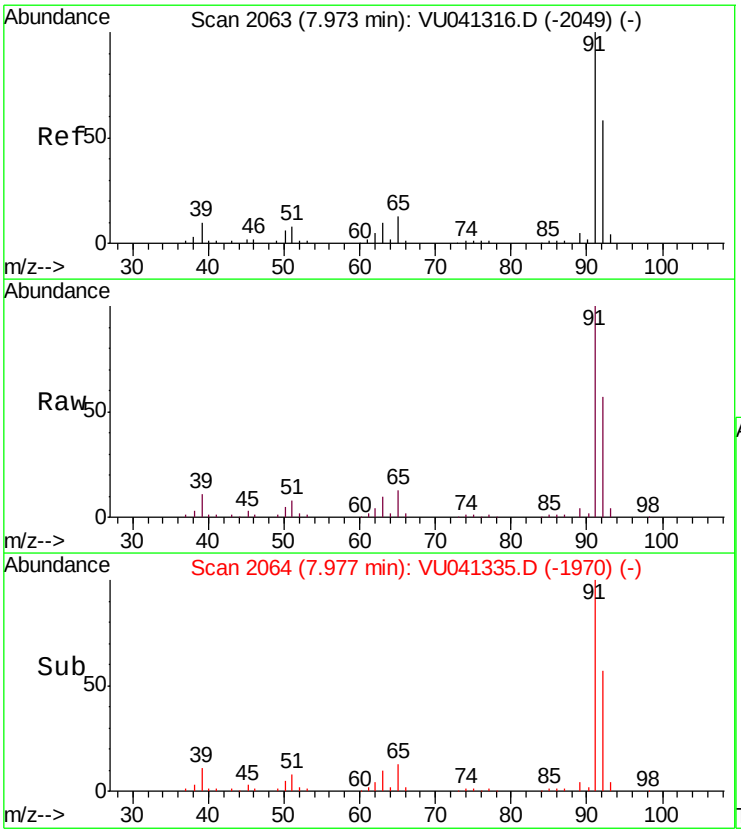
#39
cis-1,3-Dichloropropene
Concen: 0.113 ug/L
RT: 7.58 min Scan# 1940
Delta R.T. -0.04 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Instrument :
MSVOA_U
ClientSampleId :
H4419

Tgt Ion: 75 Resp: 835

Ion	Ratio	Lower	Upper
75	100		
77	35.6	22.7	42.3

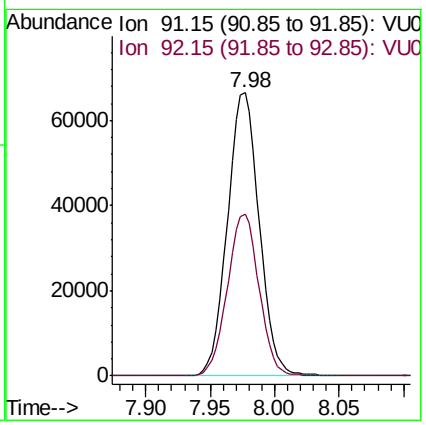


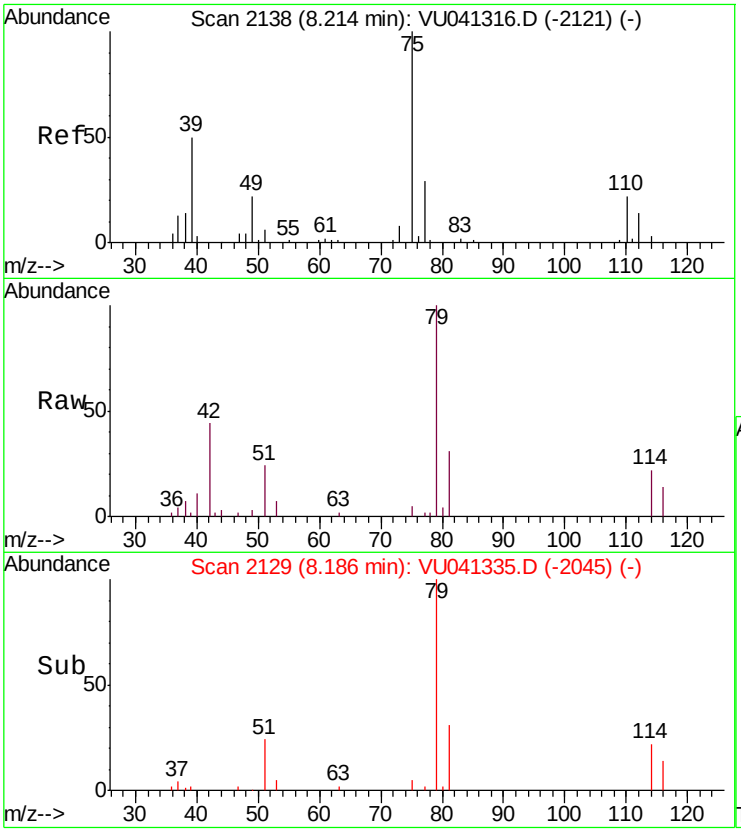


#42
Toluene
Concen: 5.870 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Tgt Ion: 91 Resp: 114006

Ion	Ratio	Lower	Upper
91	100		
92	57.3	40.6	75.4



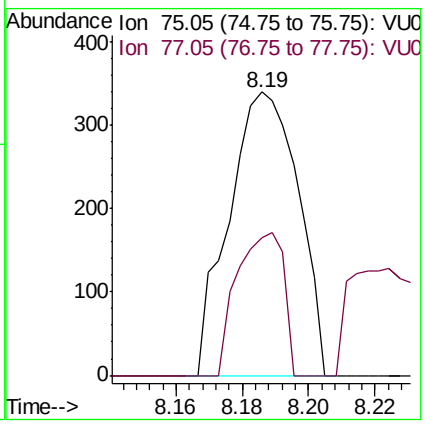


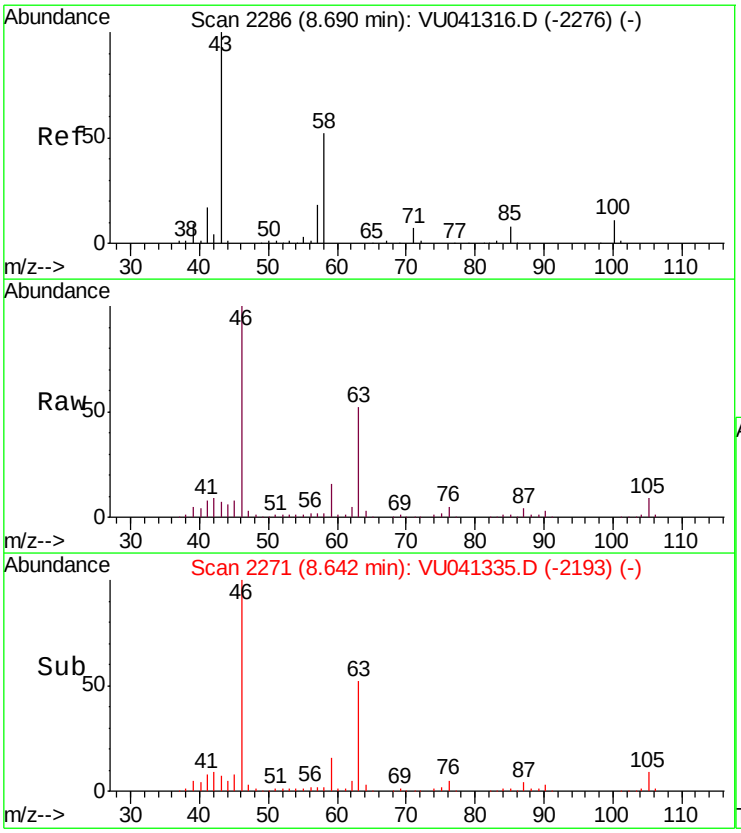
#44
trans-1,3-Dichloropropene
Concen: 0.070 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Instrument :
MSVOA_U
ClientSampleId :
H4419

Tgt Ion: 75 Resp: 494

Ion	Ratio	Lower	Upper
75	100		
77	48.8	23.3	43.3#

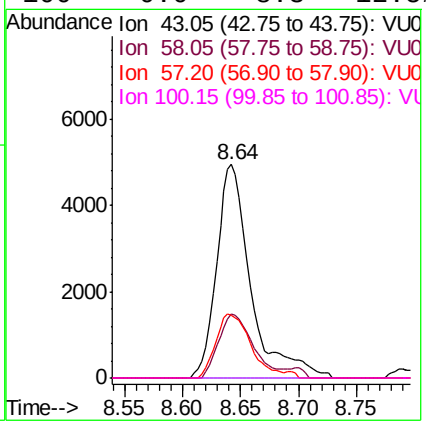


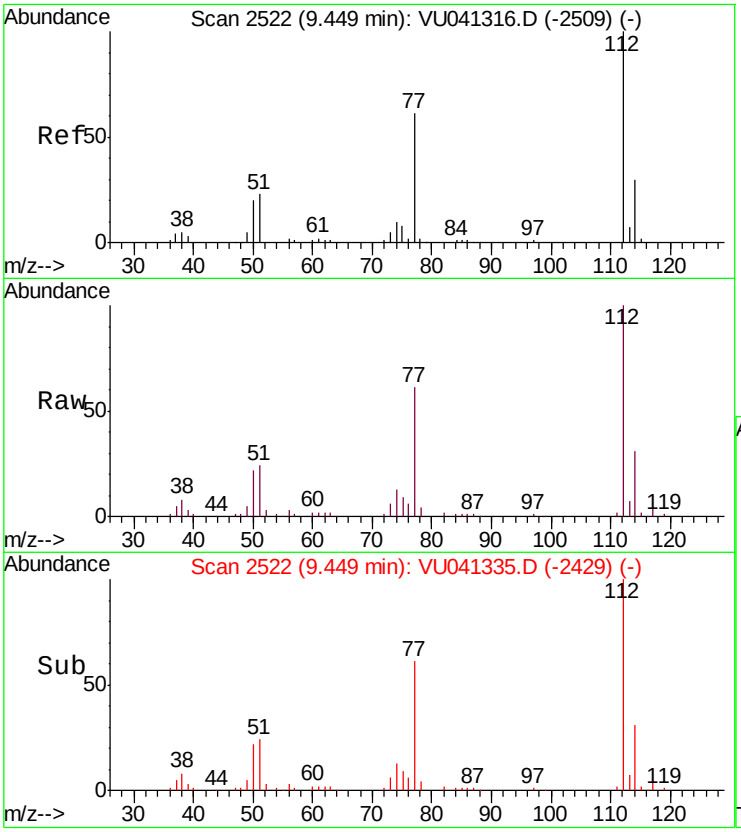


#48
2-Hexanone
Concen: 3.105 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Tgt Ion: 43 Resp: 10190

Ion	Ratio	Lower	Upper
43	100		
58	29.8	41.4	62.2#
57	30.5	14.6	21.8#
100	0.0	8.3	12.5#



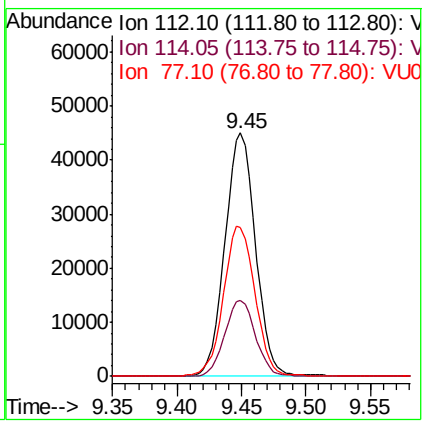


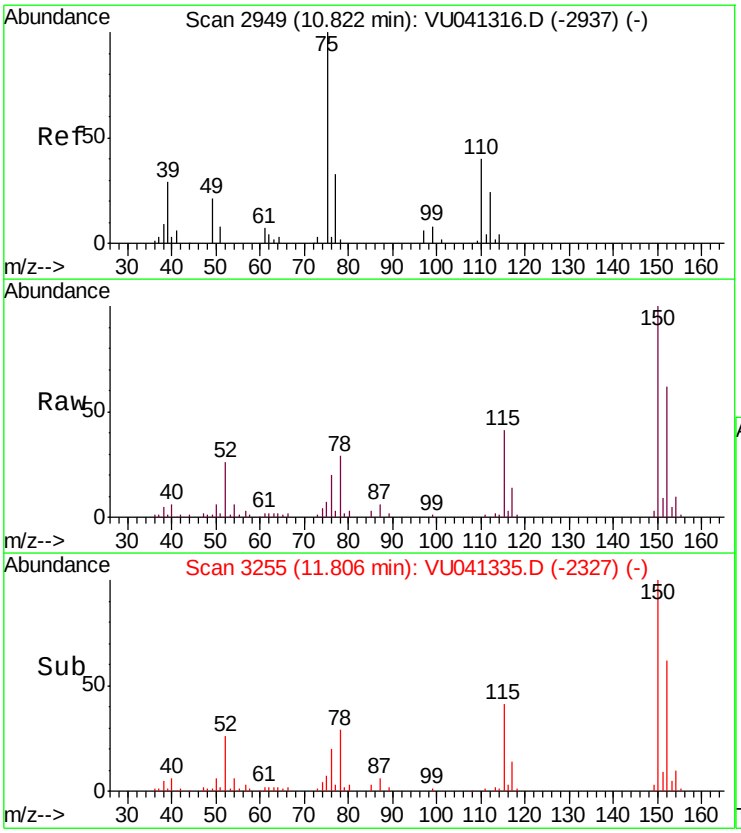
#51
Chlorobenzene
Concen: 5.758 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Instrument : MSVOA_U
ClientSampleId : H4419

Tgt Ion:112 Resp: 74071

Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.4	41.6
77	61.2	51.2	76.8





#59
1,2,3-Trichloropropane
Concen: 0.810 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU041335.D
Acq: 19 Nov 2020 00:34

Tgt Ion: 75 Resp: 3395

Ion	Ratio	Lower	Upper
75	100		
77	42.6	25.7	38.5#