Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062419\

Quantitation Report (Not Reviewed)

Data File : VU033029.D
Acq On : 25 Jun 2019 00:26
Operator : JC/SP
Sample : K3464-15DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETF46DL

Quant Time: Jun 25 07:00:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 06:54:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	196161	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	193208	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91407	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	63166	47.12	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 94.24%			
7) Chloroethane-d5	1.67	69	53471	50.01	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.02%			
11) 1,1-Dichloroethene-d2	2.26	63	98436	36.45	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 72.90%			
21) 2-Butanone-d5	4.17	46	119145	106.78	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 106.78%			
24) Chloroform-d	4.64	84	129468	49.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.36%			
26) 1,2-Dichloroethane-d4	5.30	65	91666	52.80	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.60%			
32) Benzene-d6	5.33	84	254650	50.56	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.12%			
36) 1,2-Dichloropropane-d6	6.32	67	81631	50.88	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.76%			
41) Toluene-d8	7.56	98	229821	48.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.46%			
43) trans-1,3-Dichloropropene-	7.85	79	38249	45.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.66%			
47) 2-Hexanone-d5	8.31	63	69590	92.89	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 92.89%			
57) 1,1,2,2-Tetrachloroethane-	10.42	84	118101	47.62	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.24%			
64) 1,2-Dichlorobenzene-d4	11.85	152	89510	50.60	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.20%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	10892	6.115	ug/L	86
8) Chloroethane	1.40	64	4479	4.368	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	867	0.661	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	967	0.783	ug/L #	1
13) Acetone	2.32	43	1065	0.691	ug/L	71
20) cis-1,2-Dichloroethene	4.22	96	71330	48.879	ug/L	94
35) Methylcyclohexane	6.32	83	19126	8.320	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	10246	6.711	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2727	1.146	ug/L #	68
40) 4-Methyl-2-pentanone	7.39	43	1546	0.634	ug/L #	46
44) trans-1,3-Dichloropropene	7.84	75	1905	0.853	ug/L	86
48) 2-Hexanone	8.36	43	4364	2.029	ug/L #	63
59) 1,2,3-Trichloropropane	11.48	75	11934	5.857	ug/L	90

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

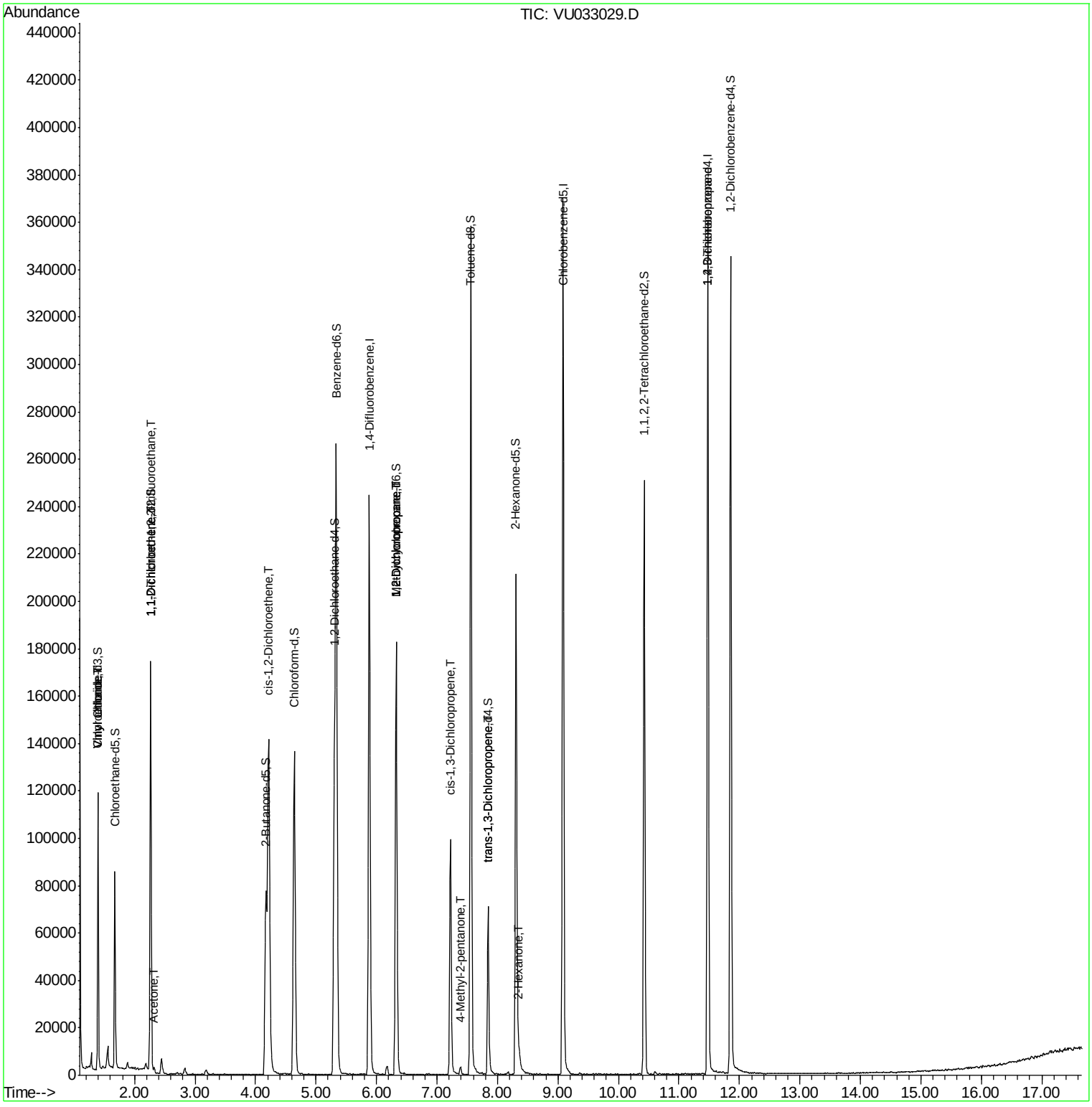
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062419\

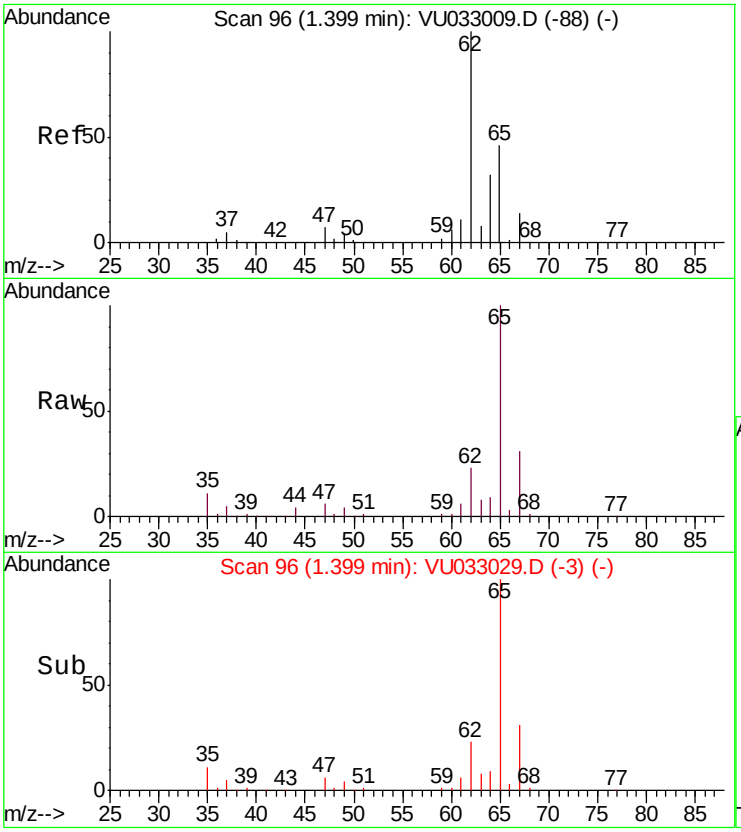
Quantitation Report (Not Reviewed)

Data File : VU033029.D
Acq On : 25 Jun 2019 00:26
Operator : JC/SP
Sample : K3464-15DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF46DL

Quant Time: Jun 25 07:00:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 06:54:49 2019
Response via : Initial Calibration



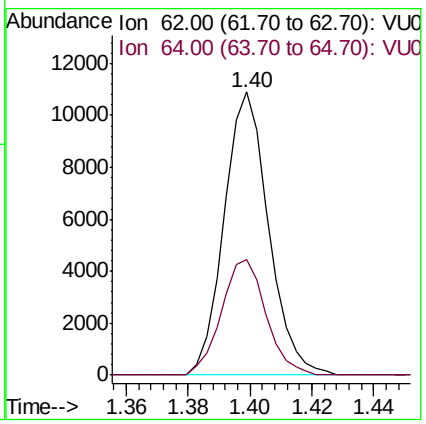


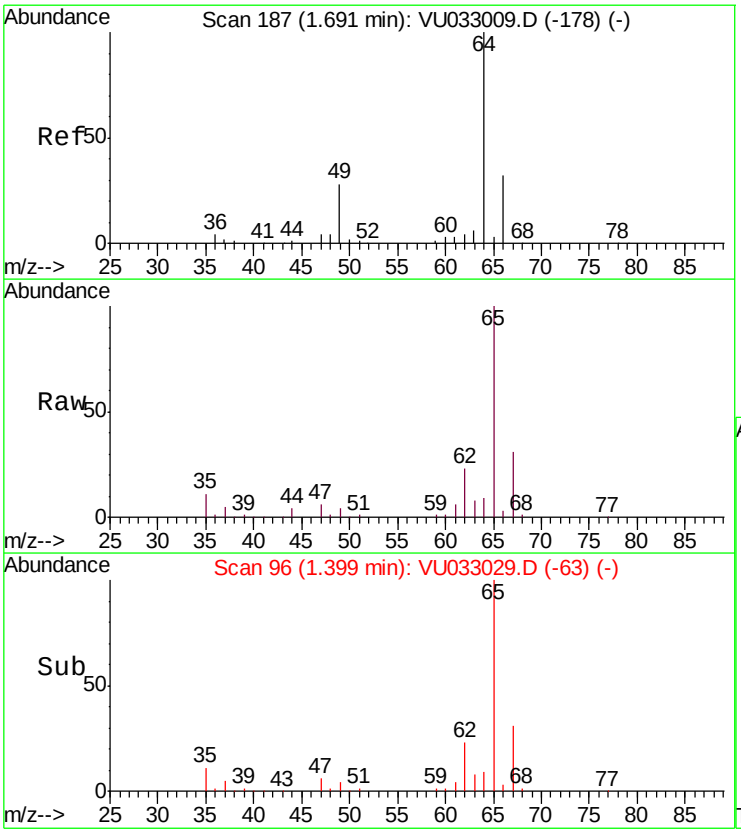
#5
Vinyl chloride
Concen: 6.115 ug/L
RT: 1.40 min Scan# 96
Delta R.T. 0.00 min
Lab File: VU033029.D
Acq: 25 Jun 2019 00:26

Instrument :
MSVOA_U
ClientSampleId :
ETF46DL

Tgt Ion: 62 Resp: 10892

Ion	Ratio	Lower	Upper
62	100		
64	40.9	23.0	42.6

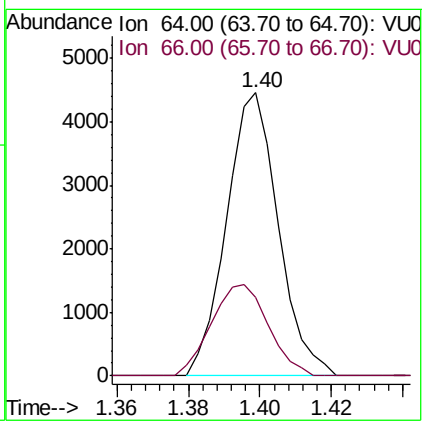


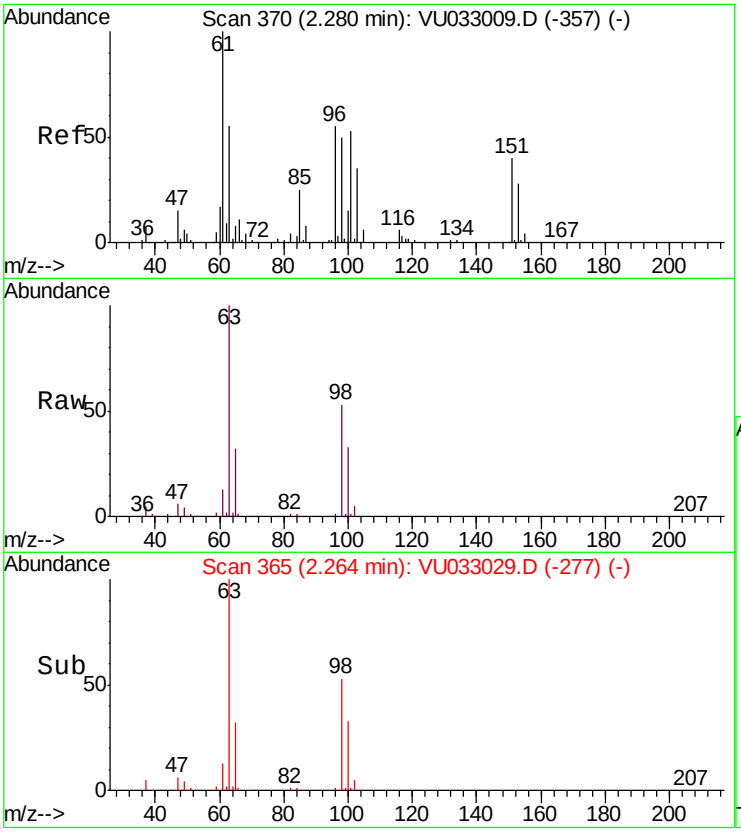


#8
Chloroethane
Concen: 4.368 ug/L
RT: 1.40 min Scan# 96
Delta R.T. -0.29 min
Lab File: VU033029.D
Acq: 25 Jun 2019 00:26

Tgt Ion: 64 Resp: 4479

Ion	Ratio	Lower	Upper
64	100		
66	27.5	22.5	41.7



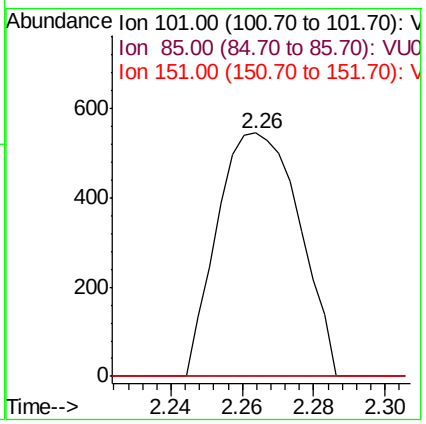


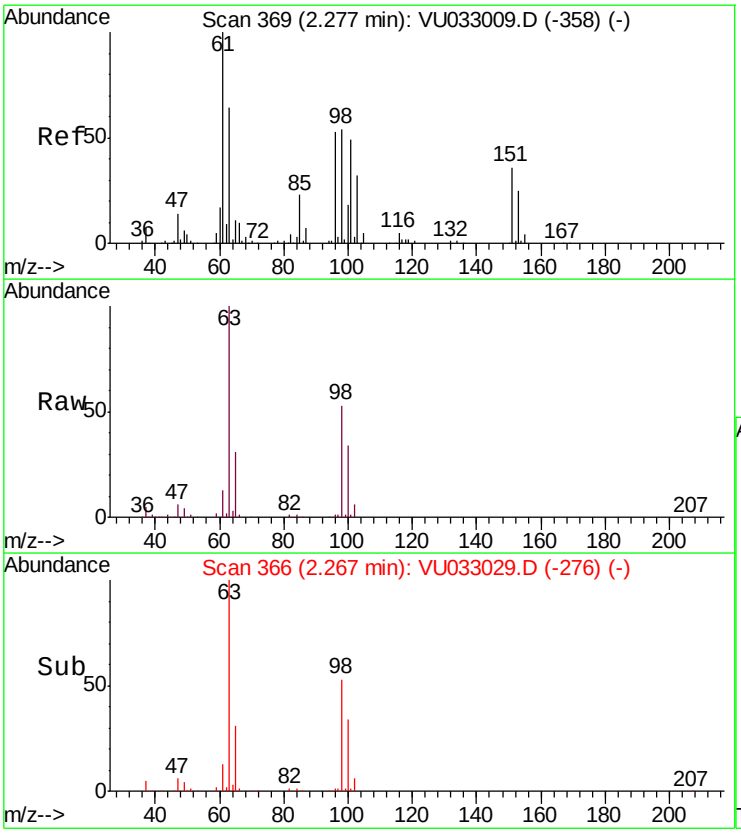
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.661 ug/L
RT: 2.26 min Scan# 365
Delta R.T. -0.02 min
Lab File: VU033029.D
Acq: 25 Jun 2019 00:26

Instrument : MSVOA_U
ClientSampleId : ETF46DL

Tgt Ion:101 Resp: 867

Ion	Ratio	Lower	Upper
101	100		
85	0.0	36.8	55.2#
151	0.0	63.6	95.4#

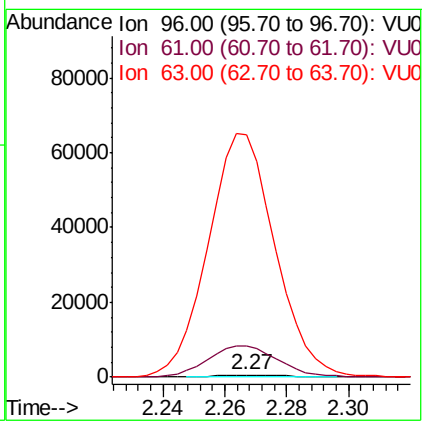


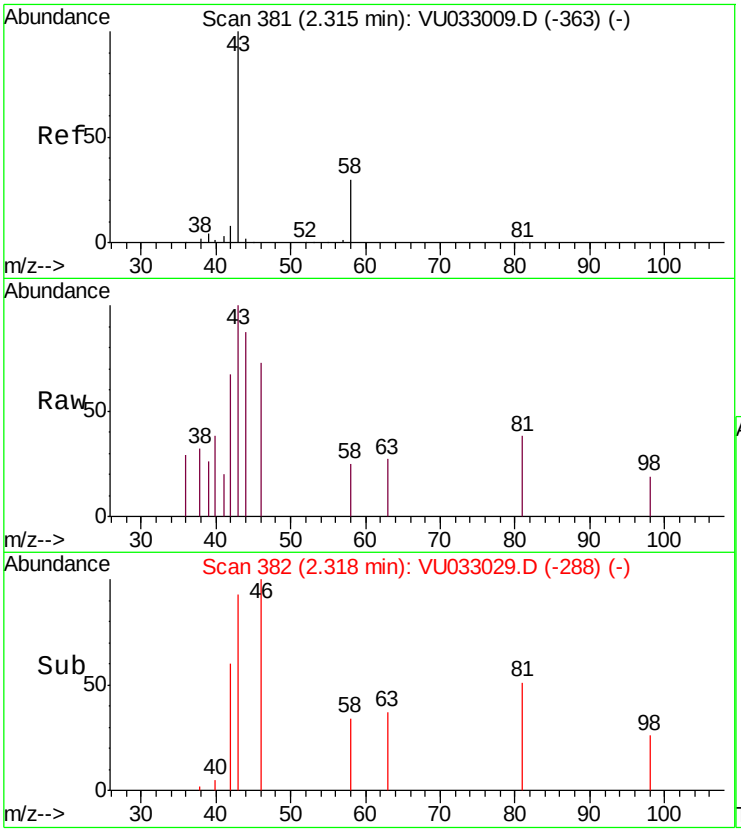


#12
1,1-Dichloroethene
Concen: 0.783 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.01 min
Lab File: VU033029.D
Acq: 25 Jun 2019 00:26

Tgt Ion: 96 Resp: 967

Ion	Ratio	Lower	Upper
96	100		
61	1375.2	131.0	243.4#
63	10741.7	101.0	187.6#



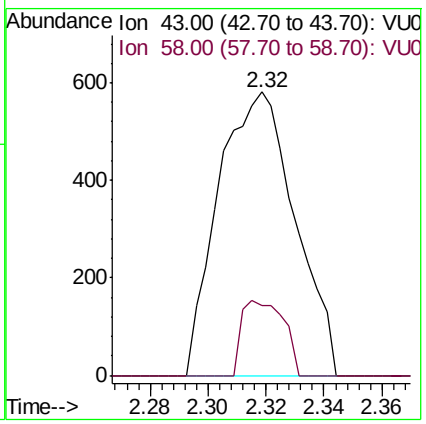


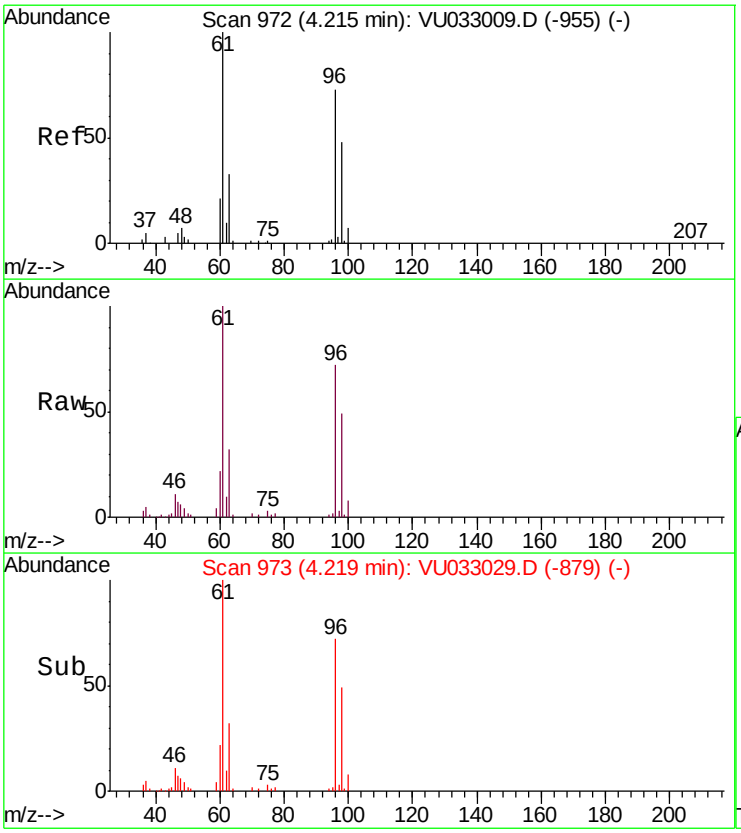
#13
Acetone
Concen: 0.691 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU033029.D
Acq: 25 Jun 2019 00:26

Instrument :
MSVOA_U
ClientSampleId :
ETF46DL

Tgt Ion: 43 Resp: 1065

Ion	Ratio	Lower	Upper
43	100		
58	14.5	0.0	60.6

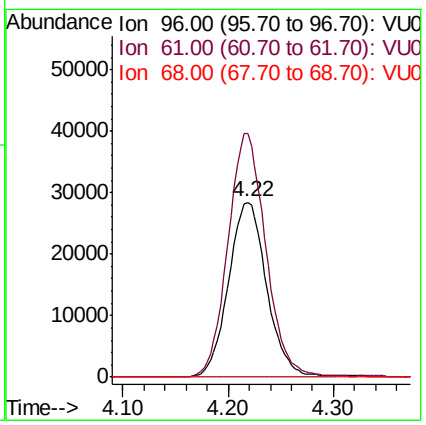


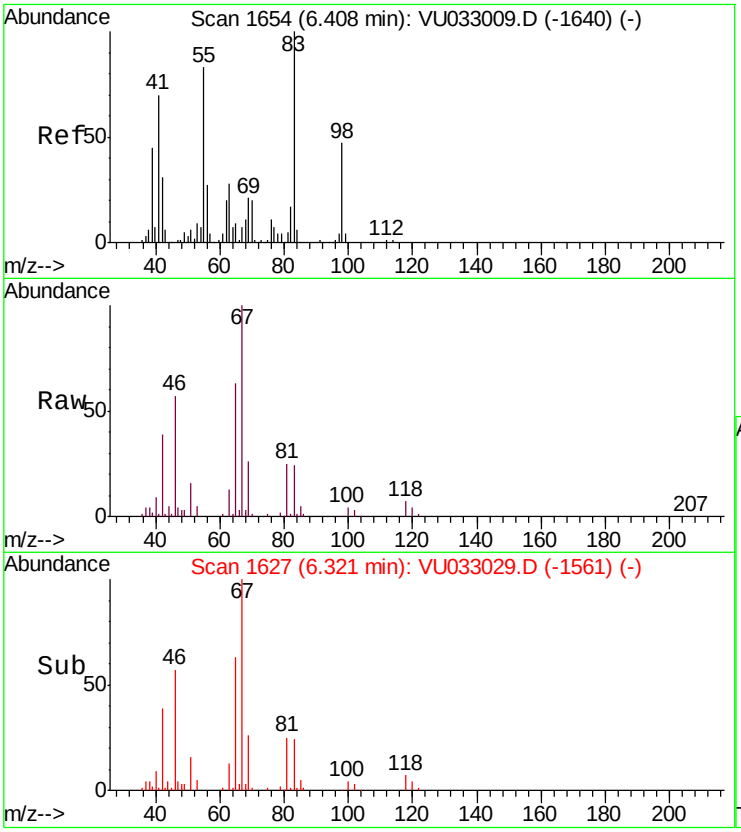


#20
cis-1,2-Dichloroethene
Concen: 48.879 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU033029.D
Acq: 25 Jun 2019 00:26

Tgt Ion: 96 Resp: 71330

Ion	Ratio	Lower	Upper
96	100		
61	138.9	92.4	171.6
68	0.0	0.0	0.0



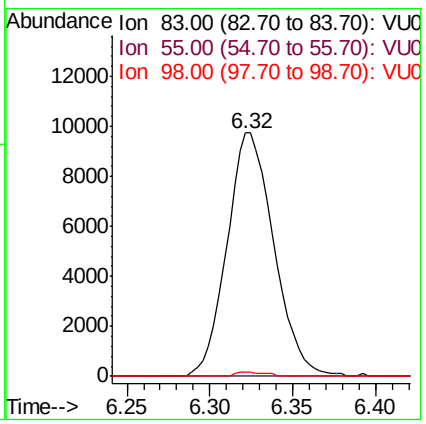


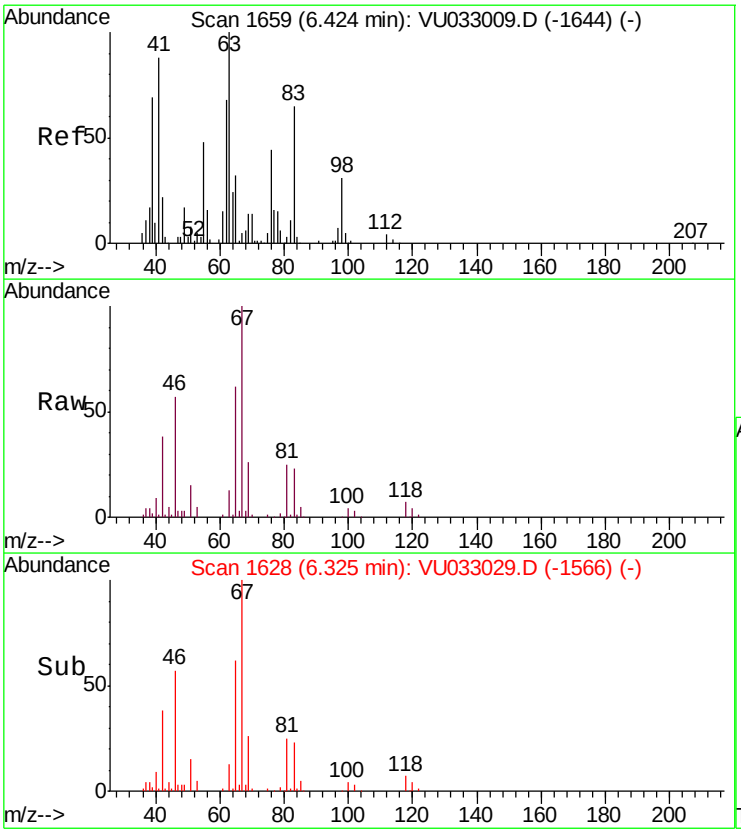
#35
Methylcyclohexane
Concen: 8.320 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.09 min
Lab File: VU033029.D
Acq: 25 Jun 2019 00:26

Instrument :
MSVOA_U
ClientSampleId :
ETF46DL

Tgt Ion: 83 Resp: 19126

Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.6	94.0#
98	0.8	37.4	56.0#

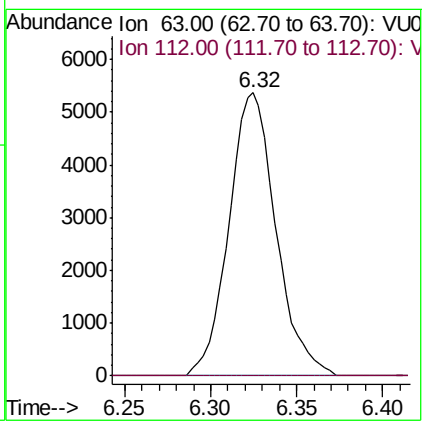


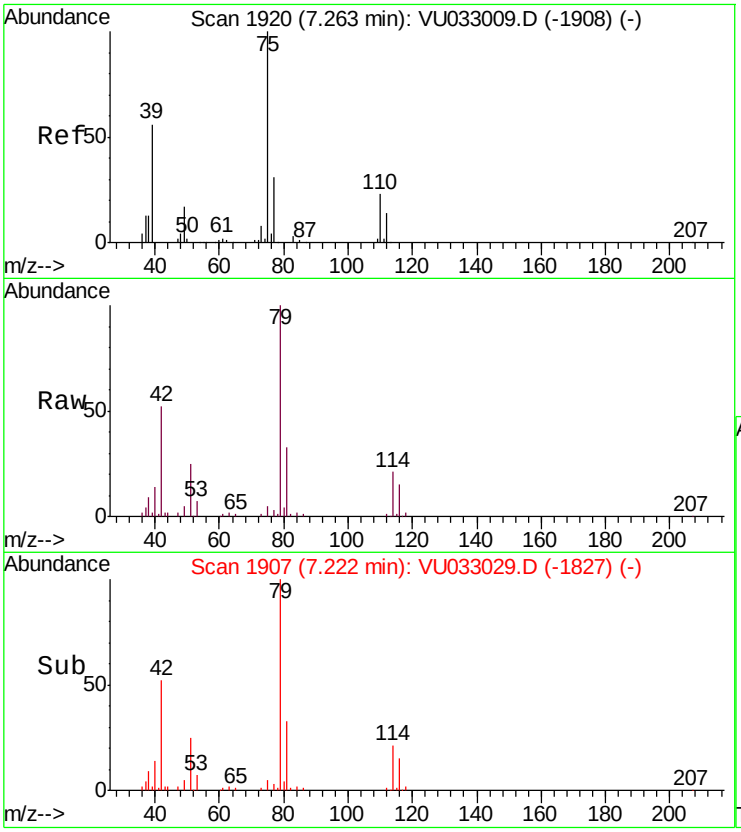


#37
1,2-Dichloropropane
Concen: 6.711 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU033029.D
Acq: 25 Jun 2019 00:26

Tgt Ion: 63 Resp: 10246

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.0	4.6#



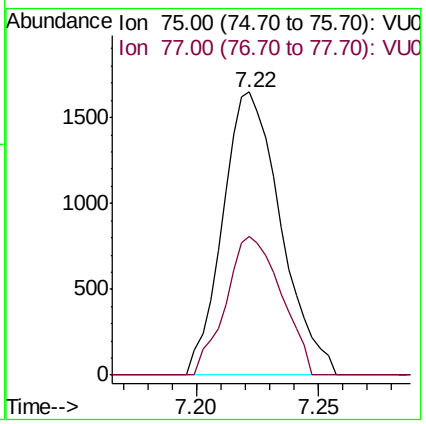


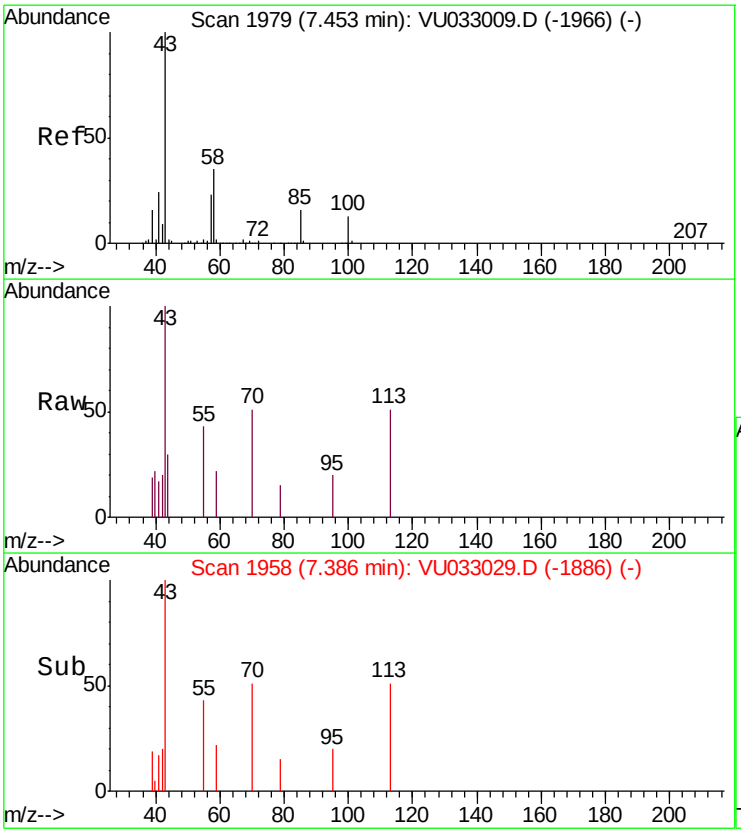
#39
cis-1,3-Dichloropropene
Concen: 1.146 ug/L
RT: 7.22 min Scan# 1907
Delta R.T. -0.04 min
Lab File: VU033029.D
Acq: 25 Jun 2019 00:26

Instrument :
MSVOA_U
ClientSampleId :
ETF46DL

Tgt Ion: 75 Resp: 2727

Ion	Ratio	Lower	Upper
75	100		
77	49.0	21.9	40.7#

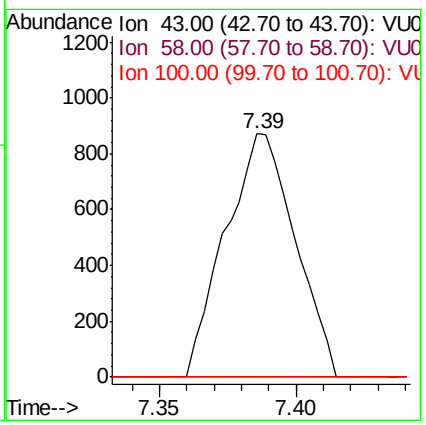


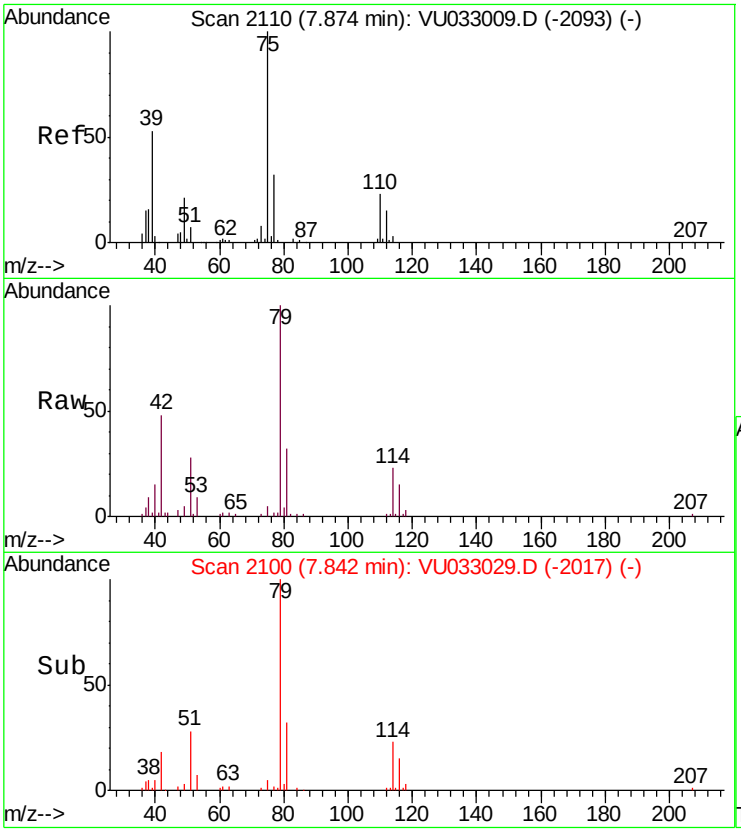


#40
4-Methyl-2-pentanone
Concen: 0.634 ug/L
RT: 7.39 min Scan# 1958
Delta R.T. -0.07 min
Lab File: VU033029.D
Acq: 25 Jun 2019 00:26

Tgt Ion: 43 Resp: 1546

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.4	44.2#
100	0.0	11.2	16.8#



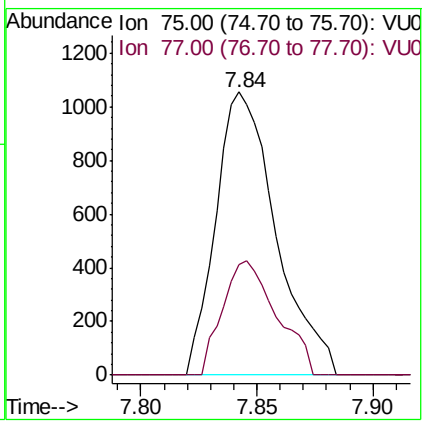


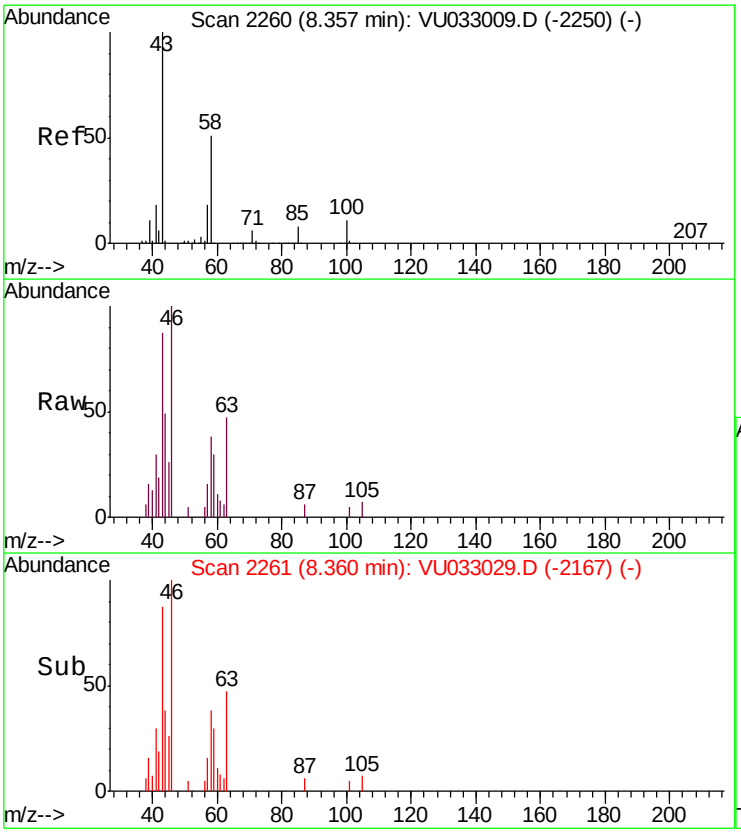
#44
trans-1,3-Dichloropropene
Concen: 0.853 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. -0.03 min
Lab File: VU033029.D
Acq: 25 Jun 2019 00:26

Instrument :
MSVOA_U
ClientSampleId :
ETF46DL

Tgt Ion: 75 Resp: 1905

Ion	Ratio	Lower	Upper
75	100		
77	39.1	21.8	40.4

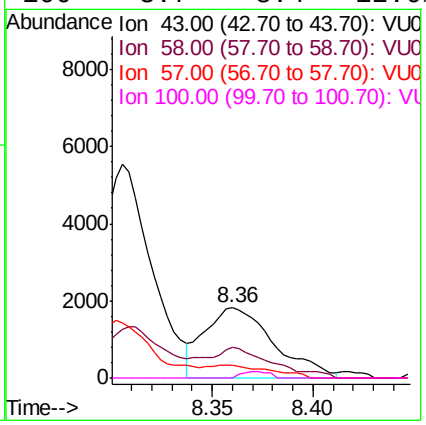


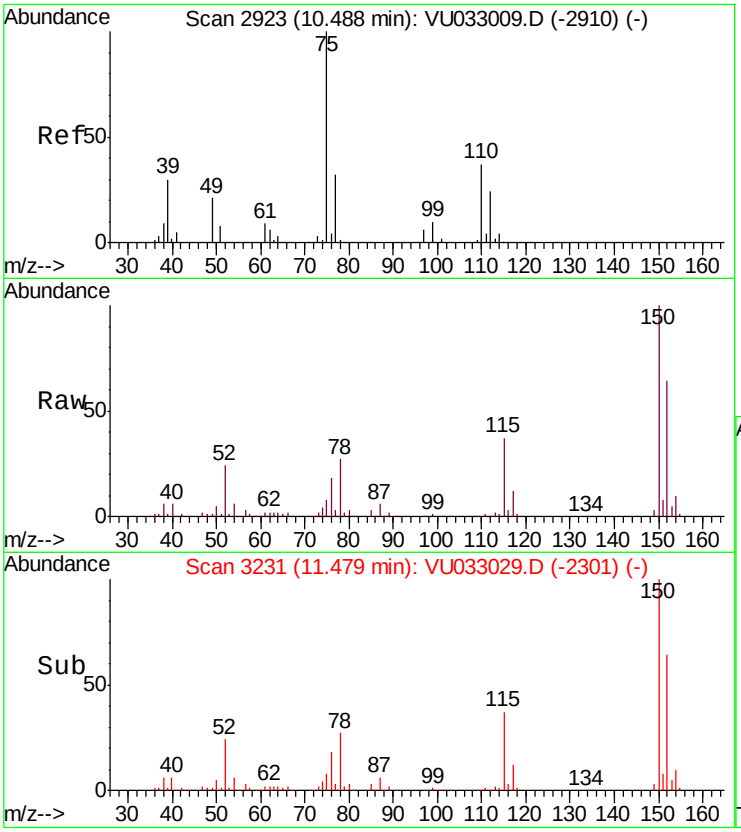


#48
2-Hexanone
Concen: 2.029 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU033029.D
Acq: 25 Jun 2019 00:26

Tgt Ion: 43 Resp: 4364

Ion	Ratio	Lower	Upper
43	100		
58	22.8	40.2	60.2#
57	0.0	14.2	21.4#
100	3.7	8.4	12.6#





#59
1,2,3-Trichloropropane
Concen: 5.857 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU033029.D
Acq: 25 Jun 2019 00:26

Instrument :
MSVOA_U
ClientSampleId :
ETF46DL

Tgt Ion: 75 Resp: 11934

Ion	Ratio	Lower	Upper
75	100		
77	37.2	25.5	38.3