Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030119\

Quantitation Report (Not Reviewed)

Data File : VU029768.D
Acq On : 01 Mar 2019 17:18
Operator : JC/SP
Sample : K1660-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : CWK00

Quant Time: Mar 01 22:18:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 22:12:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	229142	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	221193	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	113114	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	86931	5.81	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 116.20%			
7) Chloroethane-d5	1.68	69	70837	5.03	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 100.60%			
11) 1,1-Dichloroethene-d2	2.27	63	124438	3.87	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 77.40%			
20) 2-Butanone-d5	4.19	46	181993	53.79	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 107.58%			
24) Chloroform-d	4.65	84	128088	4.86	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.20%			
26) 1,2-Dichloroethane-d4	5.31	65	72916	5.12	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 102.40%			
32) Benzene-d6	5.34	84	311028	5.48	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 109.60%			
36) 1,2-Dichloropropane-d6	6.33	67	92417	5.59	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 111.80%			
41) Toluene-d8	7.56	98	285727	5.14	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 102.80%			
43) trans-1,3-Dichloropropene-	7.85	79	34632	5.10	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 102.00%			
46) 2-Hexanone-d5	8.31	63	174203	52.40	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 104.80%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	72159	4.86	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 97.20%			
64) 1,2-Dichlorobenzene-d4	11.86	152	114078	5.13	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 102.60%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	6314	0.323	ug/L #	66
8) Chloroethane	1.69	64	1106	0.087	ug/L #	81
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1304	0.073	ug/L #	19
12) 1,1-Dichloroethene	2.28	96	3151	0.185	ug/L #	1
13) Acetone	2.32	43	7797	3.208	ug/L	91
15) Methyl Acetate	2.44	43	13294	1.875	ug/L #	48
18) trans-1,2-Dichloroethene	2.98	96	1802	0.097	ug/L	80
22) cis-1,2-Dichloroethene	4.22	96	157087	9.272	ug/L	97
25) Chloroform	4.67	83	16501	0.572	ug/L	100
33) Benzene	5.39	78	3050	0.052	ug/L	100
34) Trichloroethene	6.18	95	1719871	105.393	ug/L	96
35) Methylcyclohexane	6.33	83	21993	0.831	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	9545	0.648	ug/L #	86
39) cis-1,3-Dichloropropene	7.22	75	2326	0.108	ug/L #	52
42) Toluene	7.64	91	29174	0.440	ug/L	99
47) Tetrachloroethene	8.22	164	6487	0.428	ug/L	92
48) 2-Hexanone	8.37	43	4552	0.752	ug/L #	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030119\

Quantitation Report (Not Reviewed)

Data File : VU029768.D
Acq On : 01 Mar 2019 17:18
Operator : JC/SP
Sample : K1660-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : CWK00

Quant Time: Mar 01 22:18:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 22:12:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) Dibromochloromethane	8.22	129	5450	0.390	ug/L	#	12
51) Chlorobenzene	9.12	112	6028	0.132	ug/L		98
59) 1,2,3-Trichloropropane	11.48	75	11780	1.198	ug/L		93
62) 1,3-Dichlorobenzene	11.42	146	1852	0.052	ug/L	#	80
63) 1,4-Dichlorobenzene	11.50	146	2804	0.077	ug/L	#	71
65) 1,2-Dichlorobenzene	11.87	146	2107	0.061	ug/L	#	70
67) 1,3,5-Trichlorobenzene	12.89	180	1864	0.064	ug/L		86
68) 1,2,4-trichlorobenzene	13.51	180	2453	0.100	ug/L		96
69) Naphthalene	13.75	128	5596	0.148	ug/L	#	91
70) 1,2,3-Trichlorobenzene	13.99	180	3128	0.137	ug/L		91

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030119\

Quantitation Report (Not Reviewed)

Data File : VU029768.D
Acq On : 01 Mar 2019 17:18
Operator : JC/SP
Sample : K1660-08
Misc : 25.0mL/MSVOA_U/WATER
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Quant Time: Mar 01 22:18:04 2019
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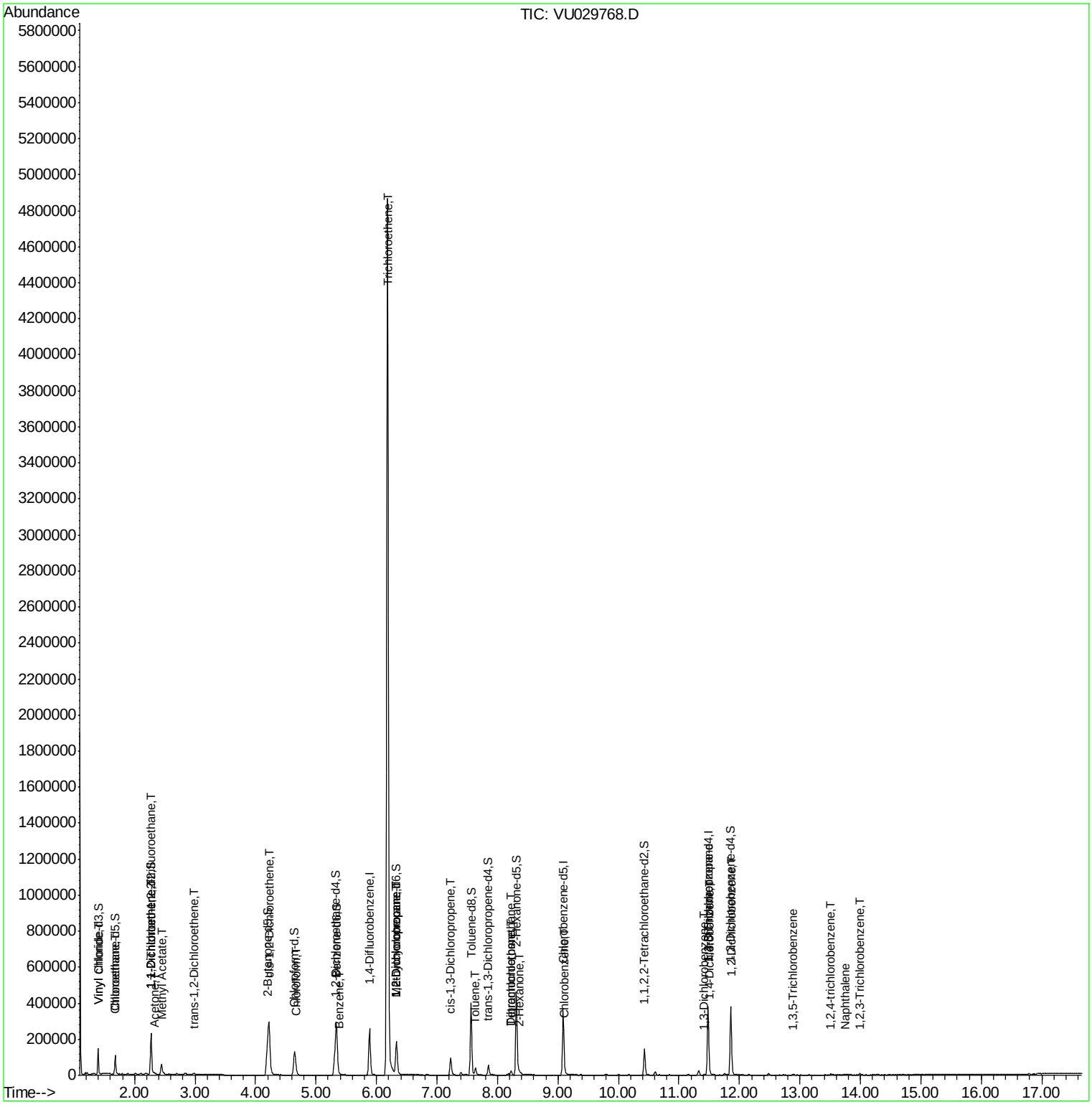
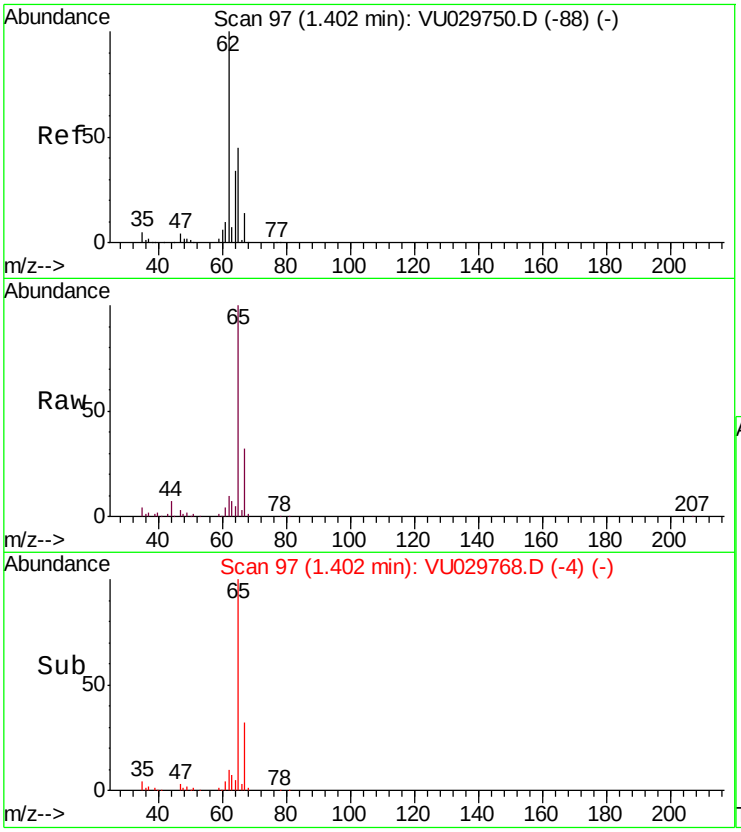
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 22:12:01 2019
Response via : Initial Calibration



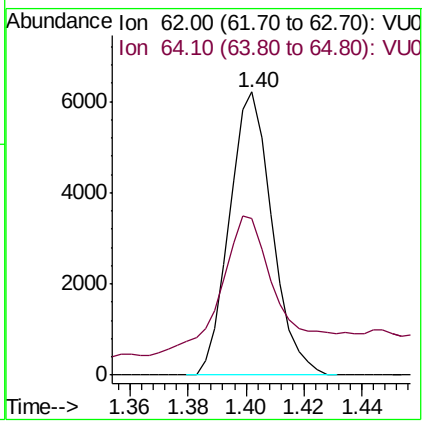


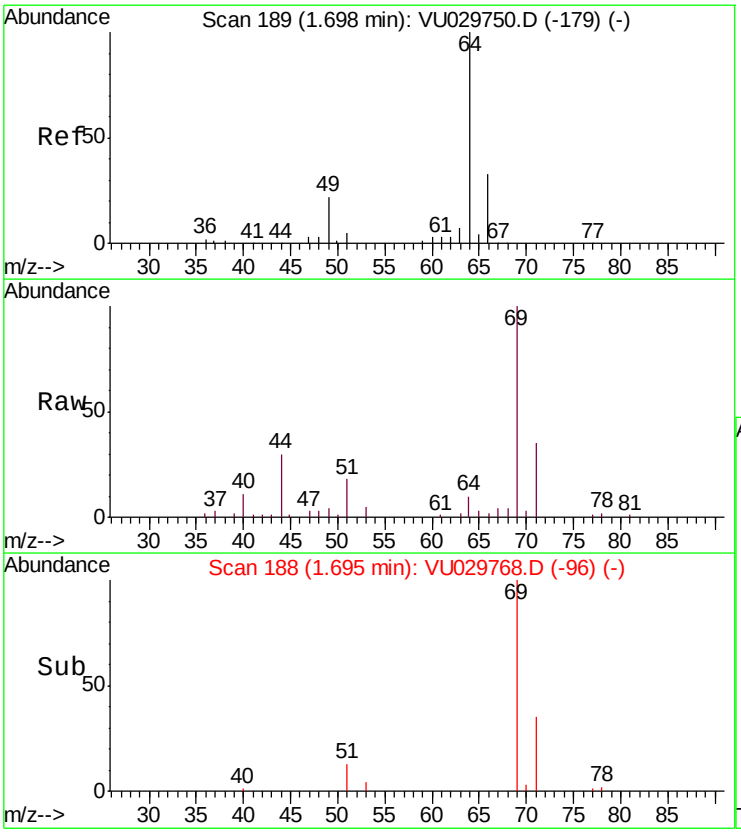
#5
Vinyl chloride
Concen: 0.323 ug/L
RT: 1.40 min Scan# 97
Delta R.T. 0.00 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
CWK00

Tgt Ion: 62 Resp: 6314

Ion	Ratio	Lower	Upper
62	100		
64	55.2	24.8	46.1#

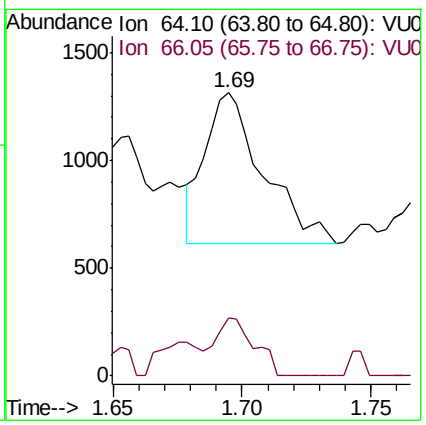


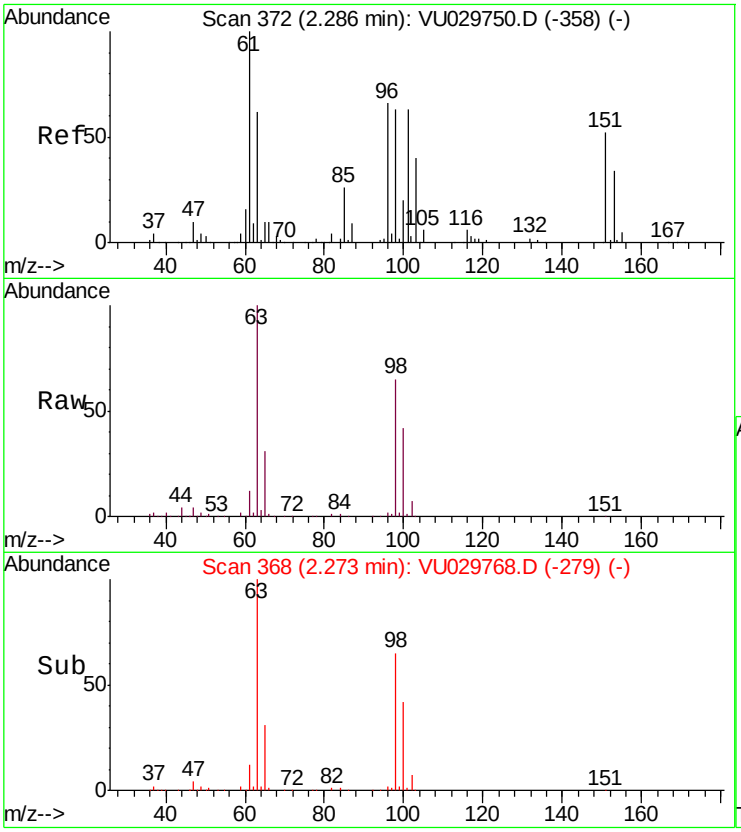


#8
Chloroethane
Concen: 0.087 ug/L
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Tgt Ion: 64 Resp: 1106

Ion	Ratio	Lower	Upper
64	100		
66	20.4	21.4	39.8#



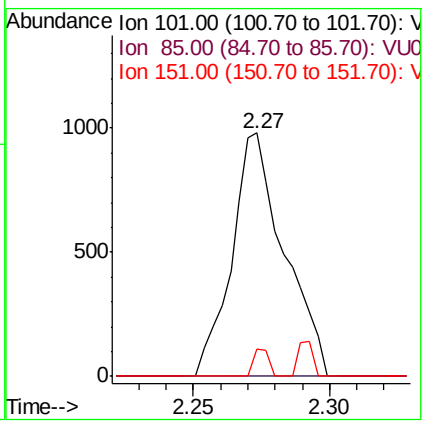


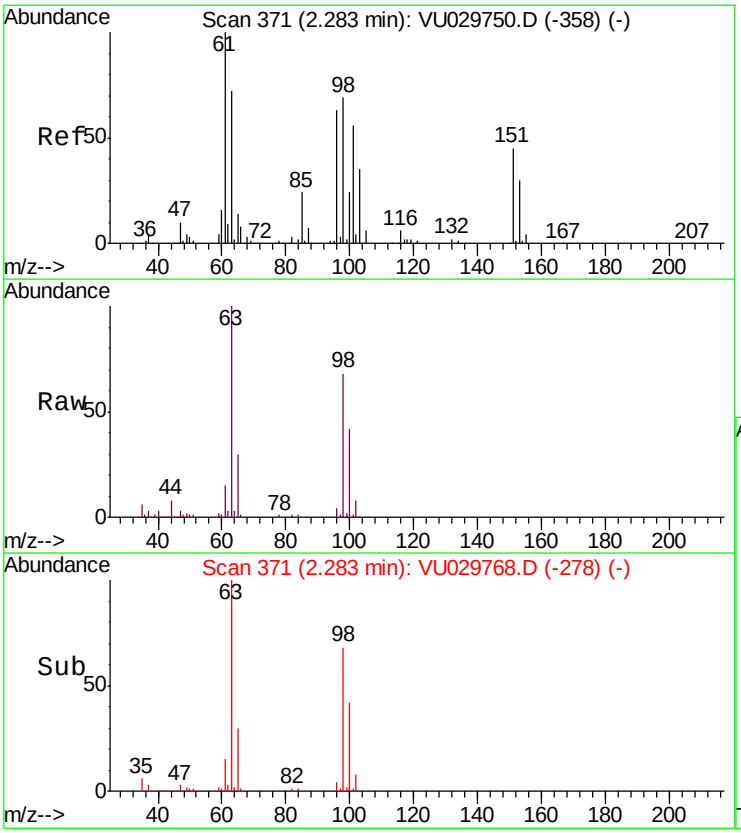
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.073 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.01 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
CWK00

Tgt Ion:101 Resp: 1304

Ion	Ratio	Lower	Upper
101	100		
85	0.0	32.8	49.2#
151	3.2	65.9	98.9#

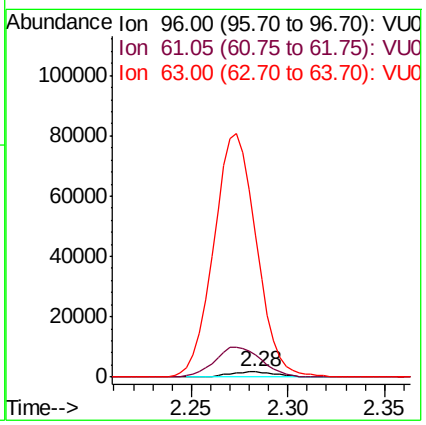


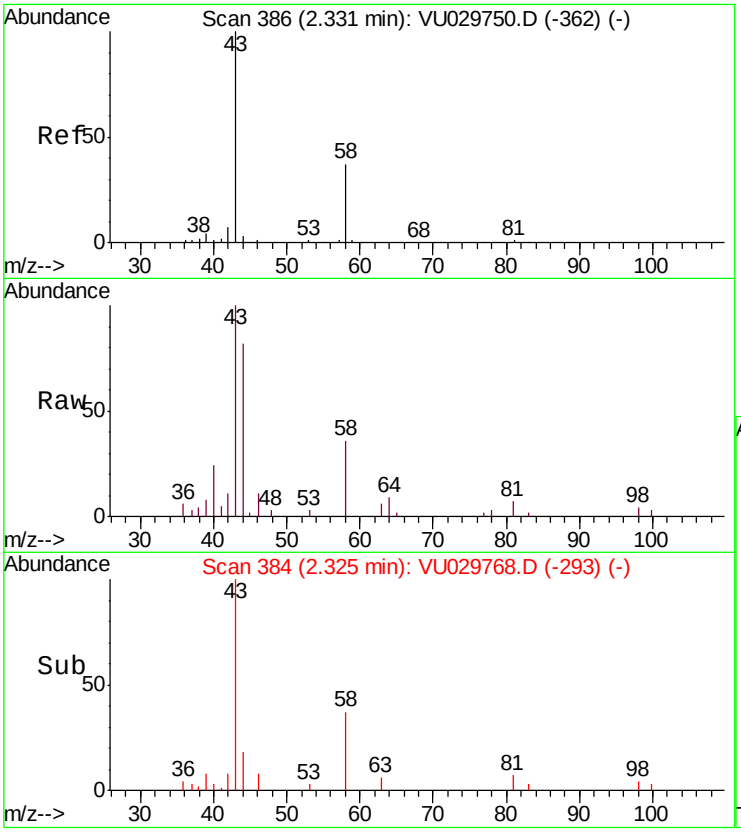


#12
1,1-Dichloroethene
Concen: 0.185 ug/L
RT: 2.28 min Scan# 371
Delta R.T. 0.00 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Tgt Ion: 96 Resp: 3151

Ion	Ratio	Lower	Upper
96	100		
61	427.4	111.3	206.7#
63	2795.5	88.5	164.3#



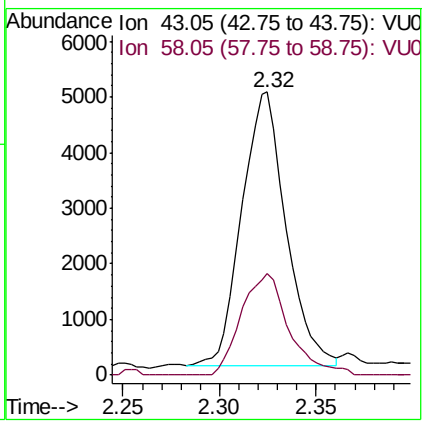


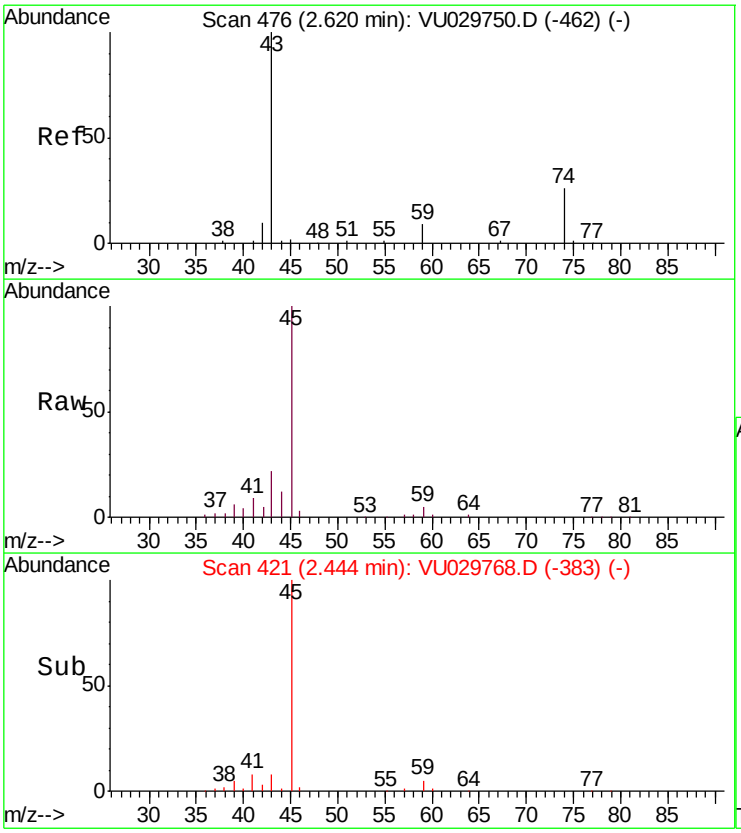
#13
Acetone
Concen: 3.208 ug/L
RT: 2.32 min Scan# 384
Delta R.T. -0.01 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
CWK00

Tgt Ion: 43 Resp: 7797

Ion	Ratio	Lower	Upper
43	100		
58	40.2	0.0	70.2

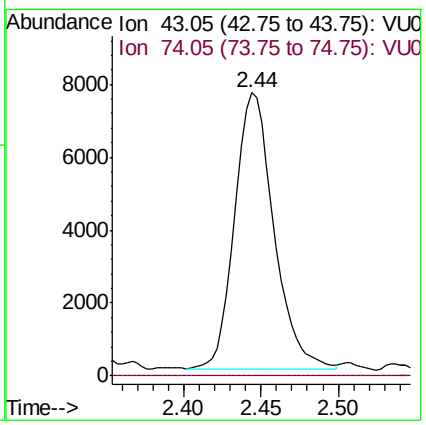


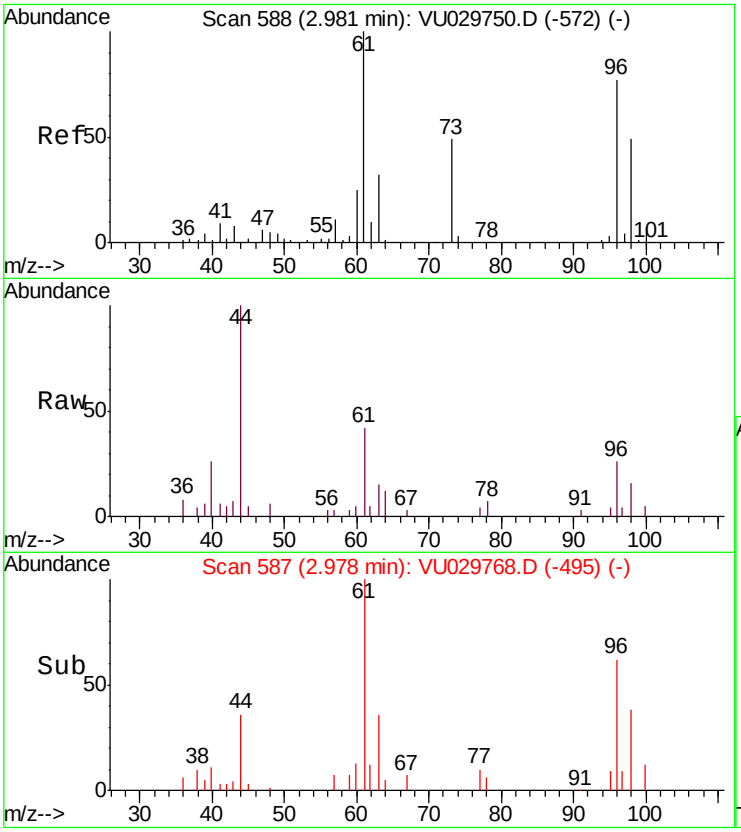


#15
Methyl Acetate
Concen: 1.875 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.18 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Tgt Ion: 43 Resp: 13294

Ion	Ratio	Lower	Upper
43	100		
74	0.0	21.6	32.4#



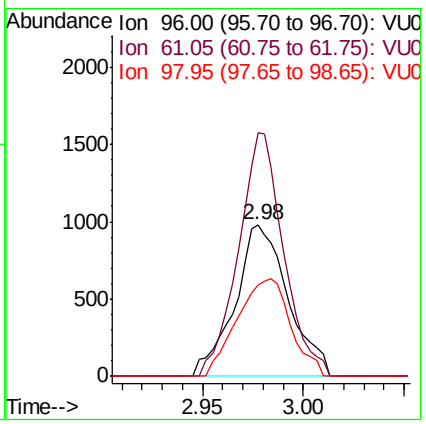


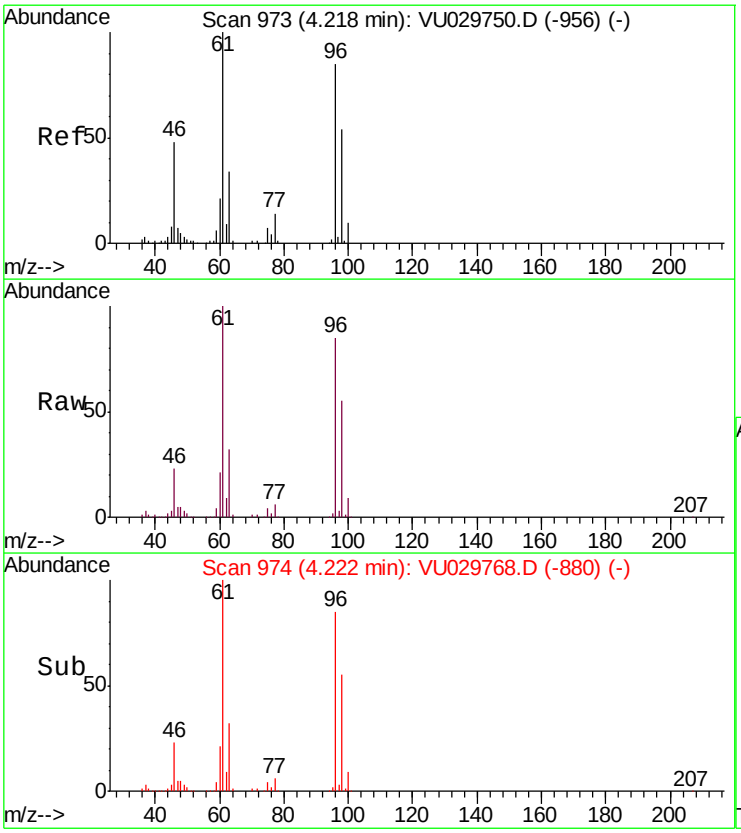
#18
trans-1,2-Dichloroethene
Concen: 0.097 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
CWK00

Tgt Ion: 96 Resp: 1802

Ion	Ratio	Lower	Upper
96	100		
61	160.6	90.3	167.7
98	60.2	45.2	84.0

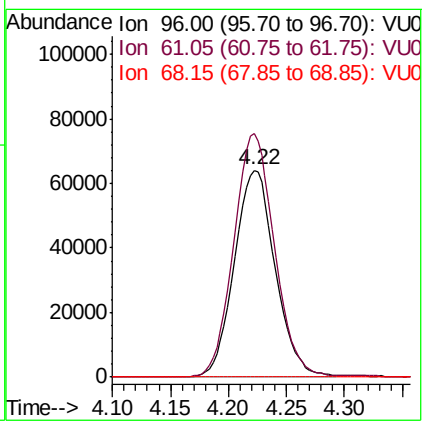


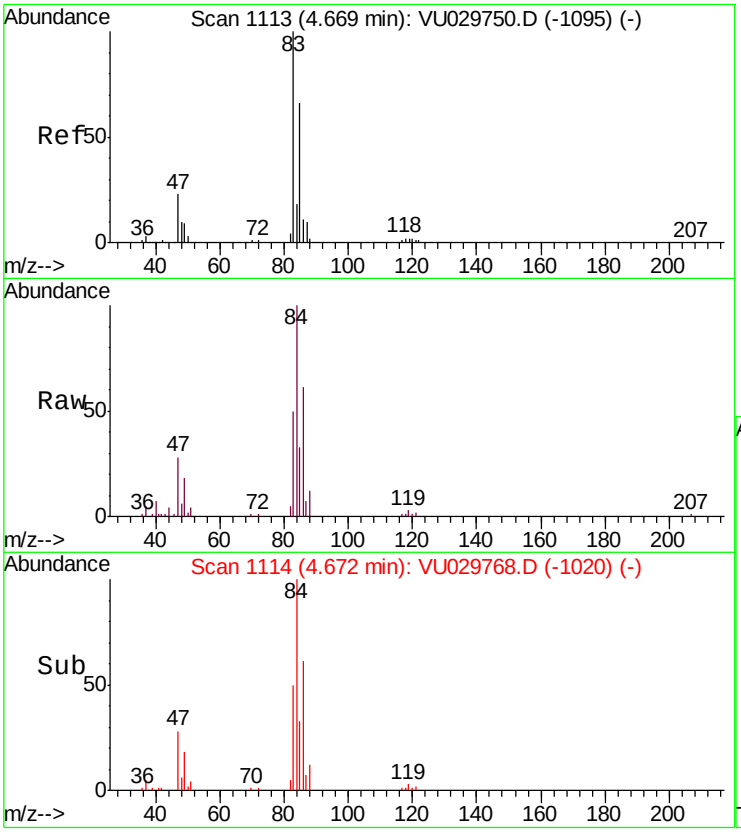


#22
cis-1,2-Dichloroethene
Concen: 9.272 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Tgt Ion: 96 Resp: 157087

Ion	Ratio	Lower	Upper
96	100		
61	117.7	80.2	149.0
68	0.0	0.0	0.0



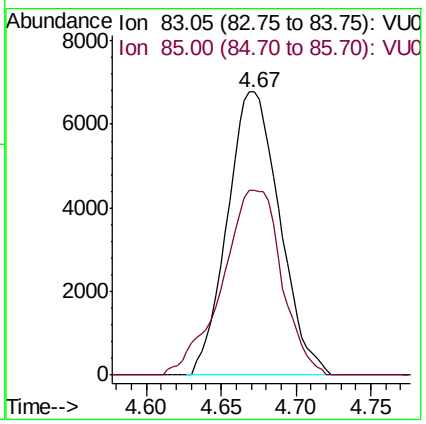


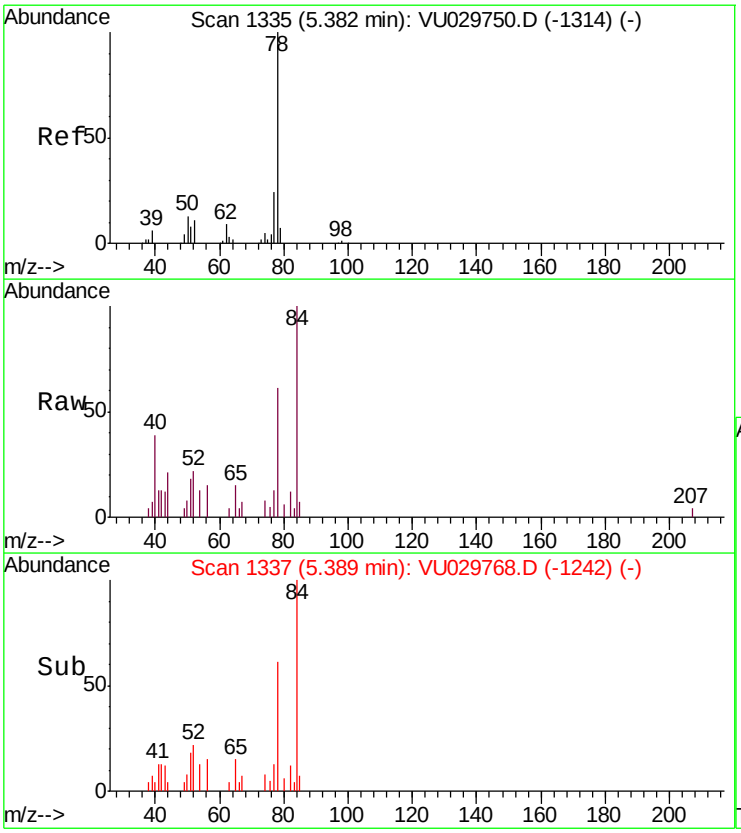
#25
Chloroform
Concen: 0.572 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
CWK00

Tgt Ion: 83 Resp: 16501

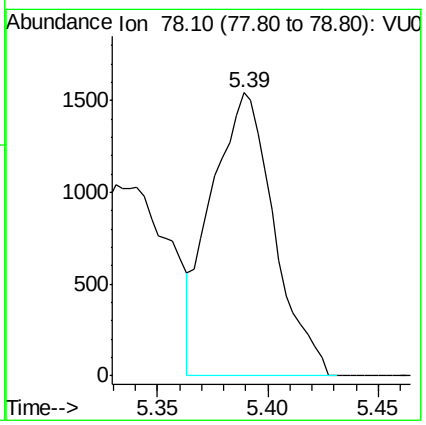
Ion	Ratio	Lower	Upper
83	100		
85	65.2	45.6	84.6

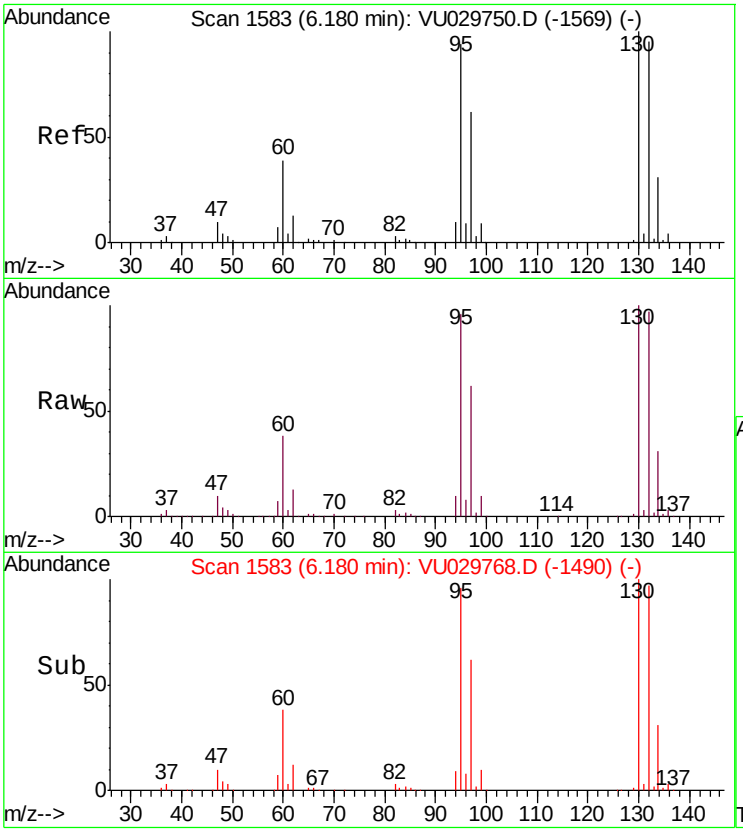




#33
Benzene
Concen: 0.052 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Tgt Ion: 78 Resp: 3050



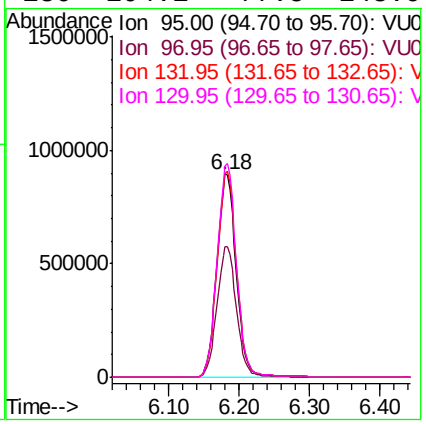


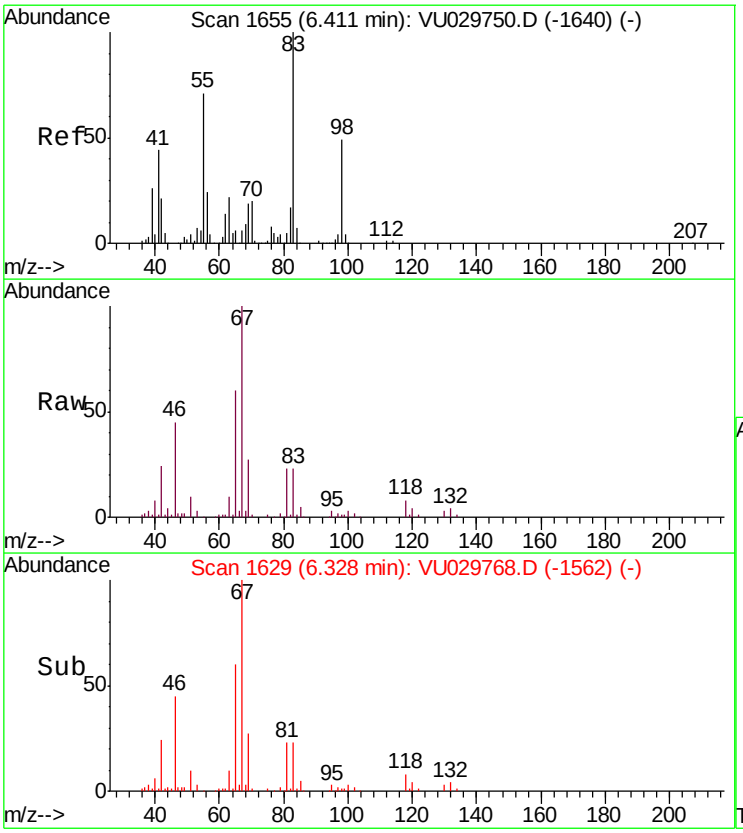
#34
Trichloroethene
Concen: 105.393 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
CWK00

Tgt Ion: 95 Resp: 1719871

Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.6	84.8
132	100.6	72.9	135.3
130	104.1	77.5	143.9

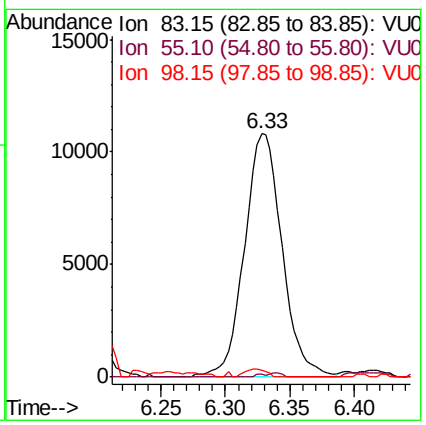


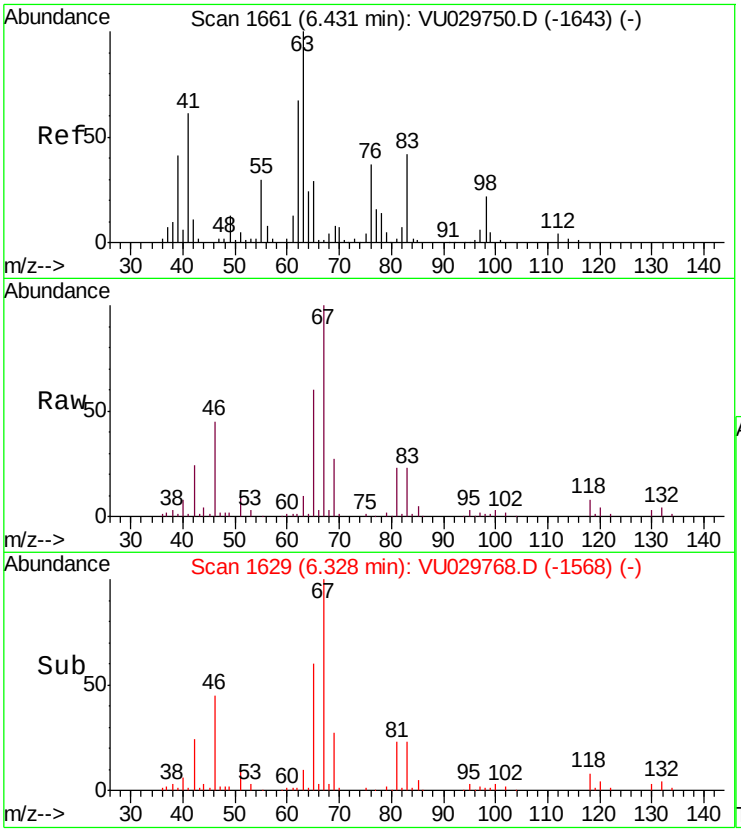


#35
Methylcyclohexane
Concen: 0.831 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Tgt Ion: 83 Resp: 21993

Ion	Ratio	Lower	Upper
83	100		
55	0.8	56.5	84.7#
98	0.0	39.4	59.2#



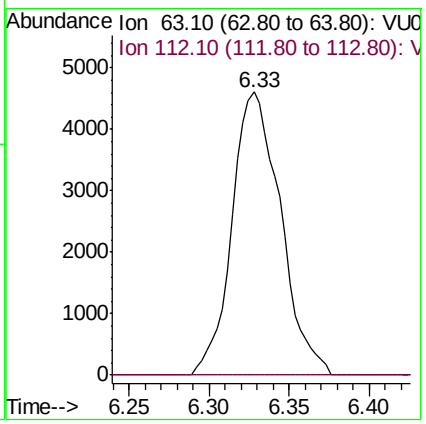


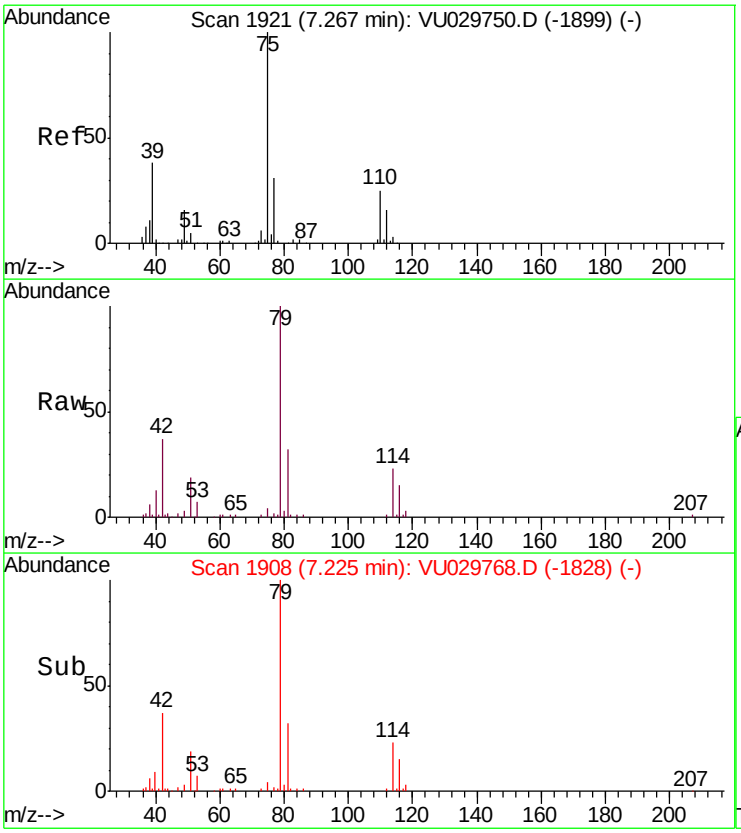
#37
1,2-Dichloropropane
Concen: 0.648 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
CWK00

Tgt Ion: 63 Resp: 9545

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.6	5.4#

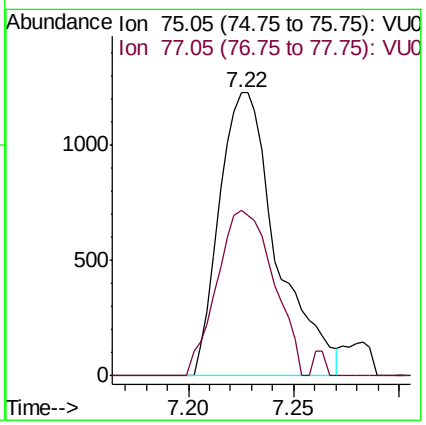


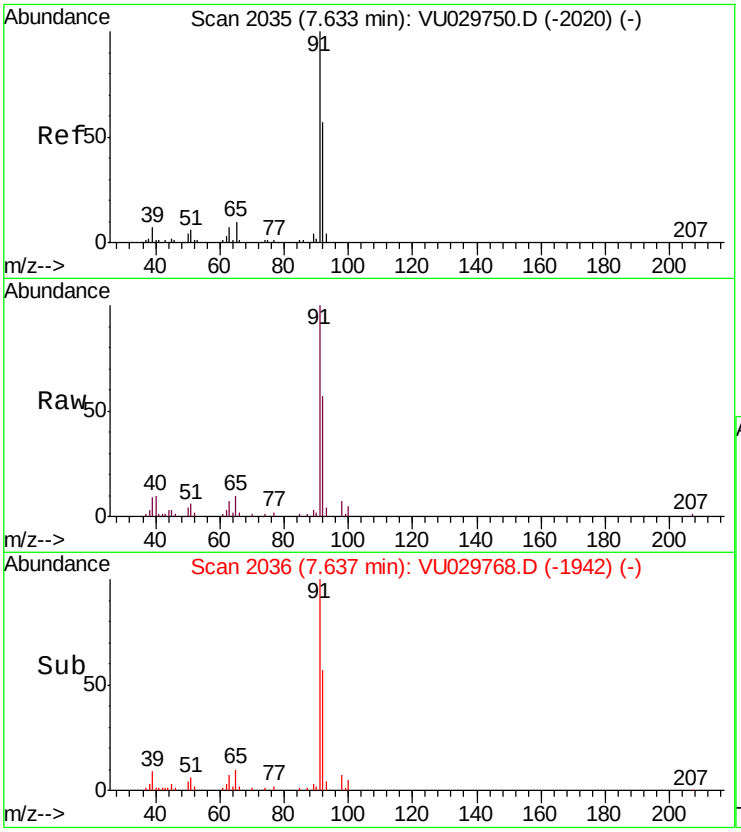


#39
cis-1,3-Dichloropropene
Concen: 0.108 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Tgt Ion: 75 Resp: 2326

Ion	Ratio	Lower	Upper
75	100		
77	58.4	22.3	41.5#



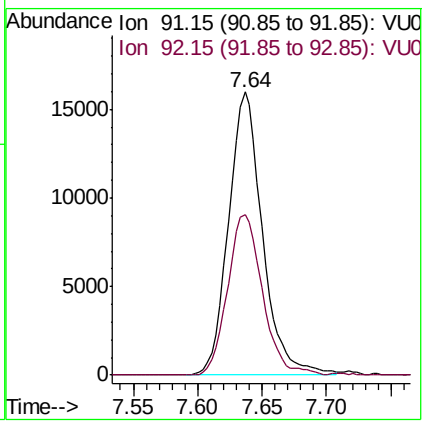


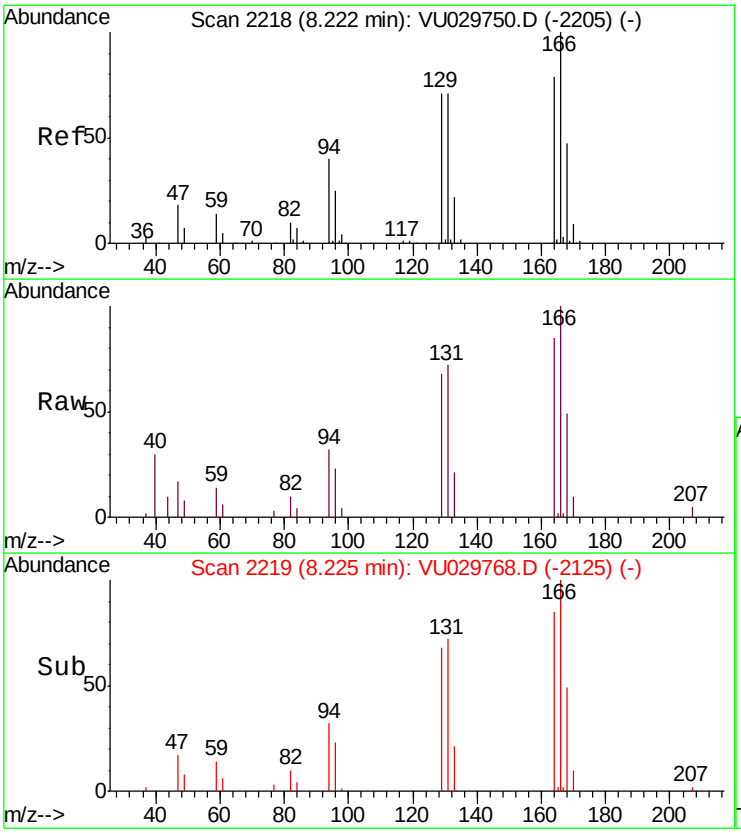
#42
Toluene
Concen: 0.440 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
CWK00

Tgt Ion: 91 Resp: 29174

Ion	Ratio	Lower	Upper
91	100		
92	56.7	40.1	74.5

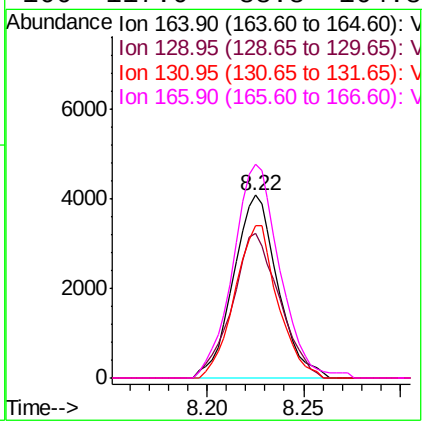


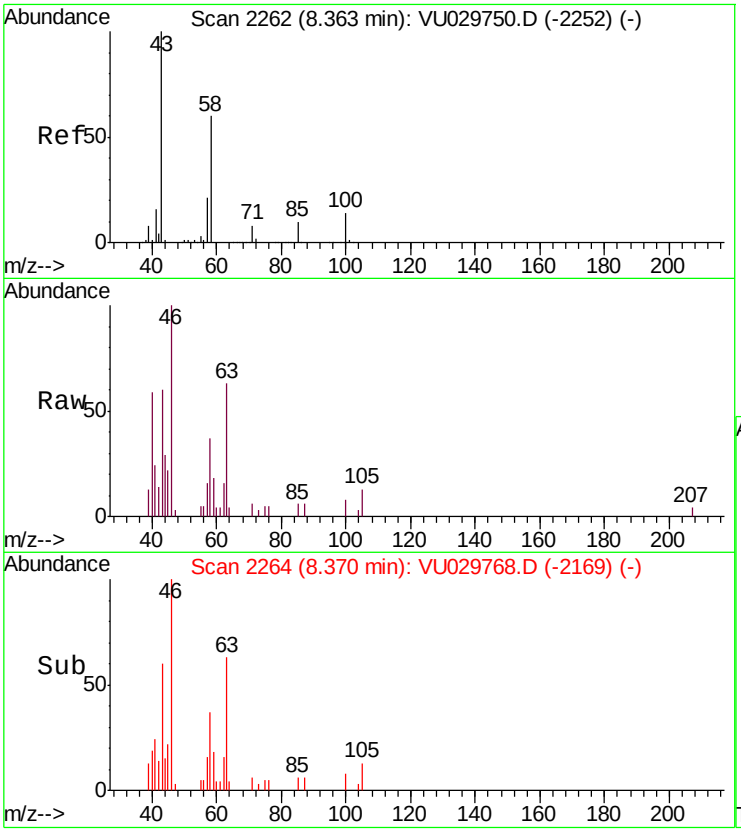


#47
Tetrachloroethene
Concen: 0.428 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Tgt Ion:164 Resp: 6487

Ion	Ratio	Lower	Upper
164	100		
129	79.5	62.9	116.7
131	83.8	61.8	114.8
166	117.0	88.8	164.8



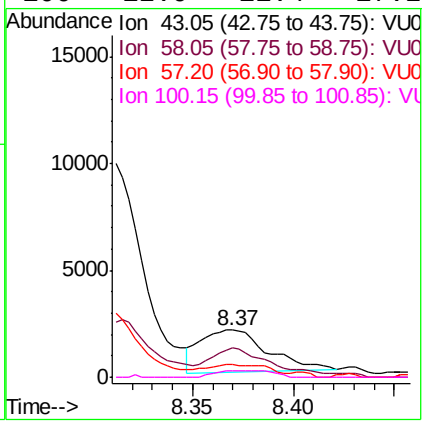


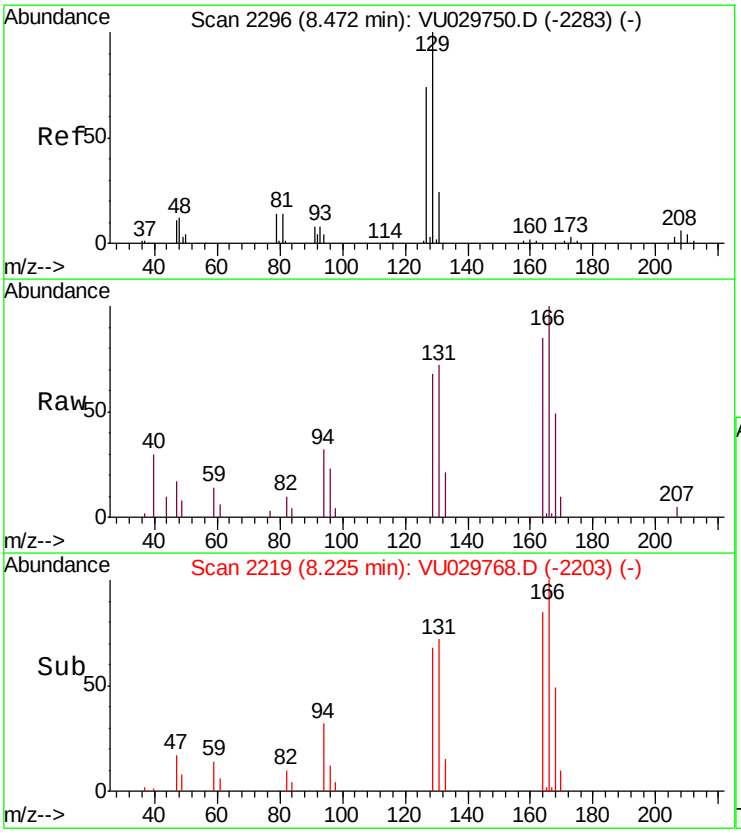
#48
2-Hexanone
Concen: 0.752 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument : MSVOA_U
ClientSampleId : CWK00

Tgt Ion: 43 Resp: 4552

Ion	Ratio	Lower	Upper
43	100		
58	50.5	46.6	69.8
57	30.1	15.9	23.9#
100	12.9	11.4	17.2

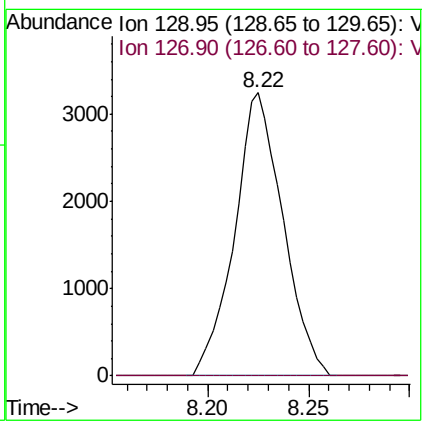


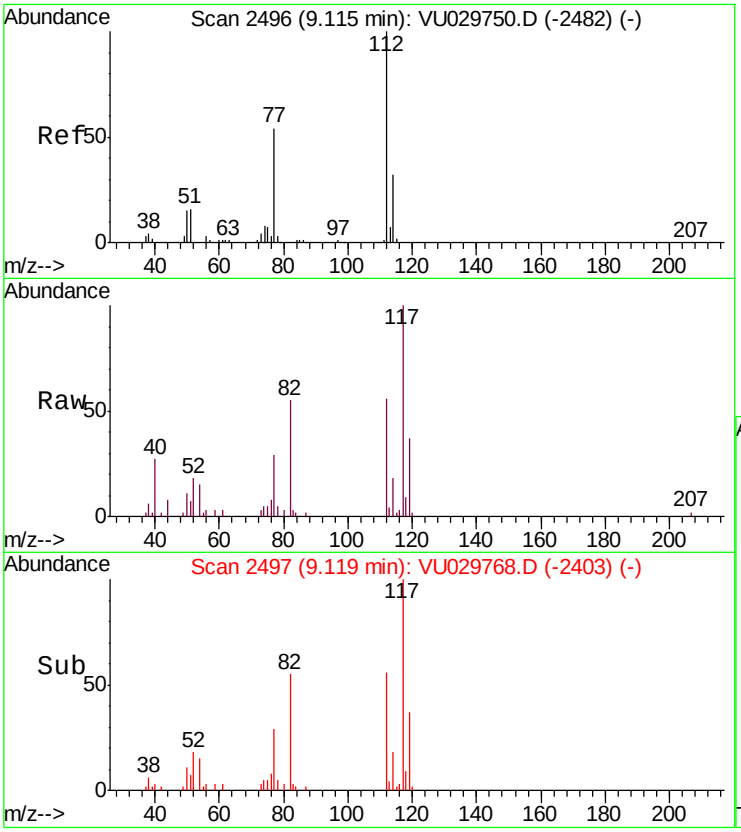


#49
Dibromochloromethane
Concen: 0.390 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Tgt Ion:129 Resp: 5450

Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.5	97.5#



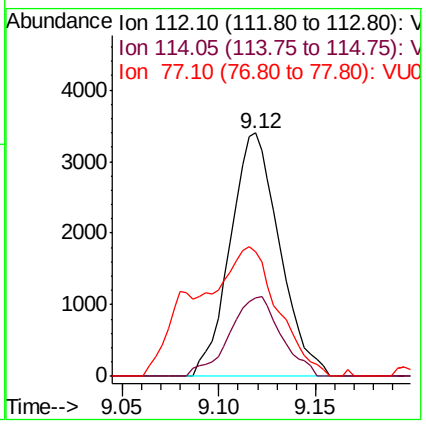


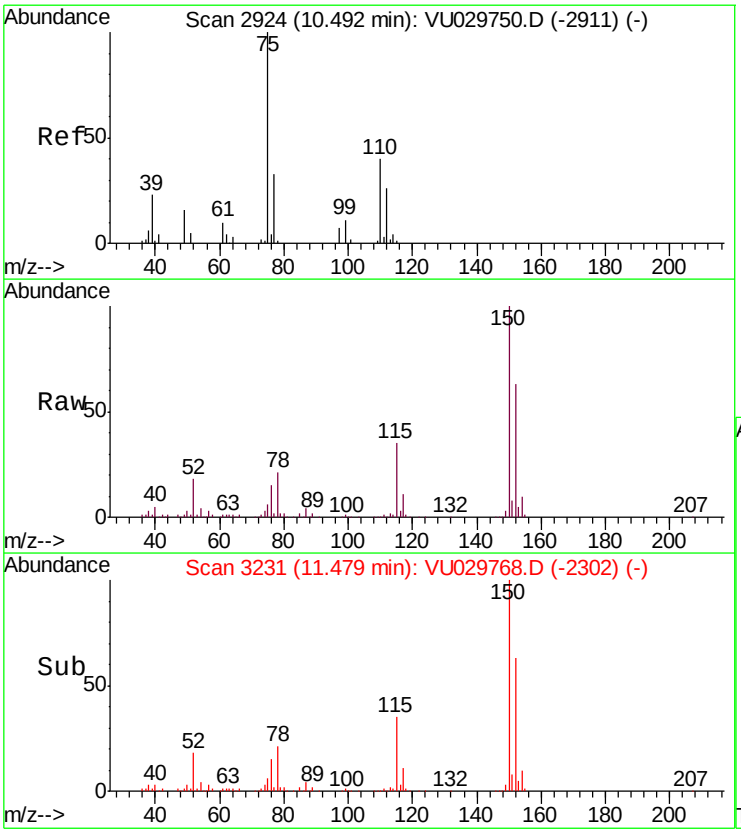
#51
Chlorobenzene
Concen: 0.132 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
CWK00

Tgt Ion:112 Resp: 6028

Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.3	41.3
77	51.4	42.7	64.1

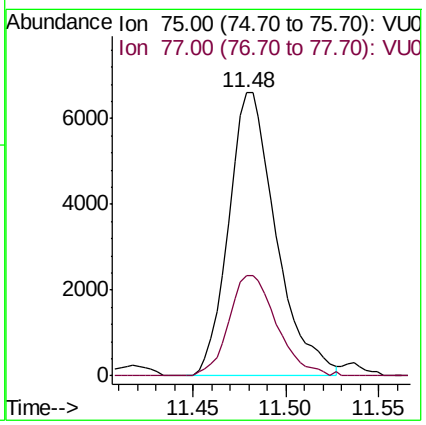


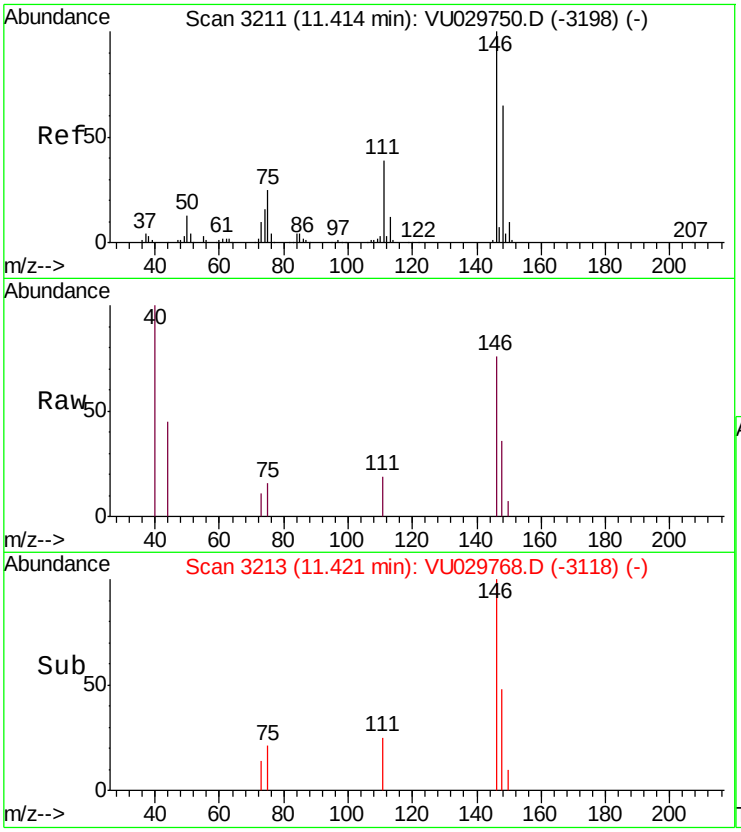


#59
1,2,3-Trichloropropane
Concen: 1.198 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Tgt Ion: 75 Resp: 11780

Ion	Ratio	Lower	Upper
75	100		
77	35.7	25.6	38.4



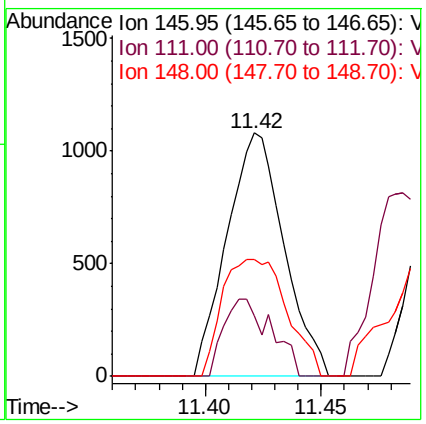


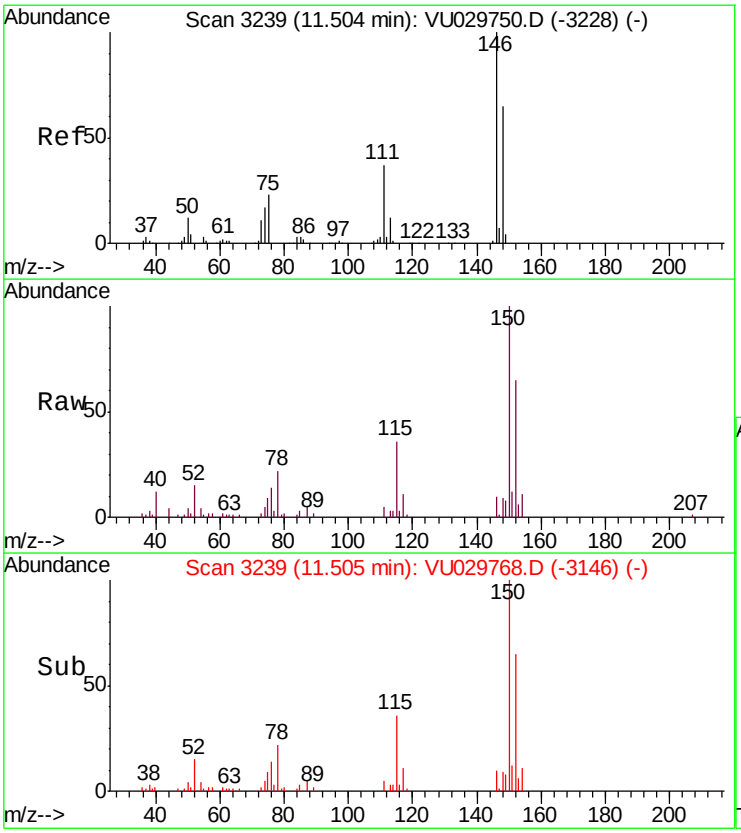
#62
1,3-Dichlorobenzene
Concen: 0.052 ug/L
RT: 11.42 min Scan# 3213
Delta R.T. 0.01 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
CWK00

Tgt Ion:146 Resp: 1852

Ion	Ratio	Lower	Upper
146	100		
111	24.9	25.7	47.7#
148	47.9	44.0	81.8

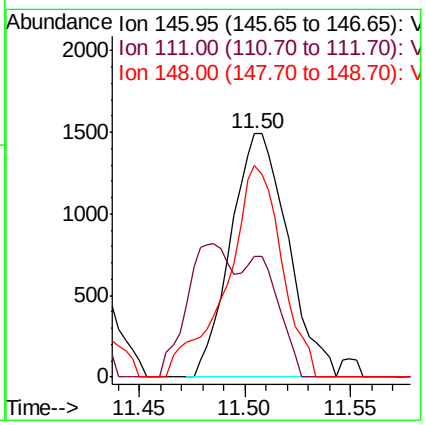


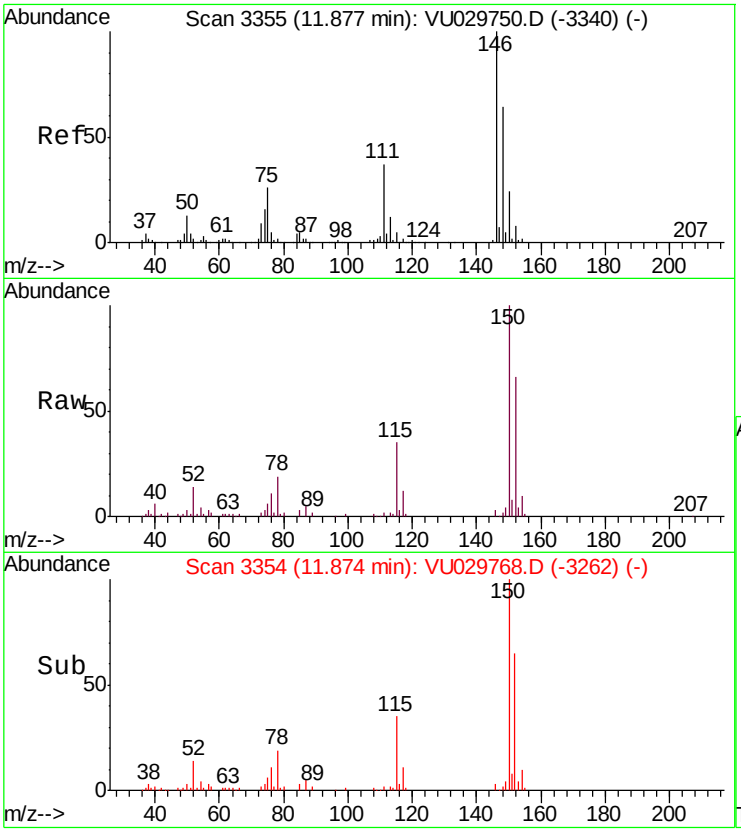


#63
1,4-Dichlorobenzene
Concen: 0.077 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Tgt Ion:146 Resp: 2804

Ion	Ratio	Lower	Upper
146	100		
111	49.7	25.4	47.2#
148	87.1	43.7	81.1#



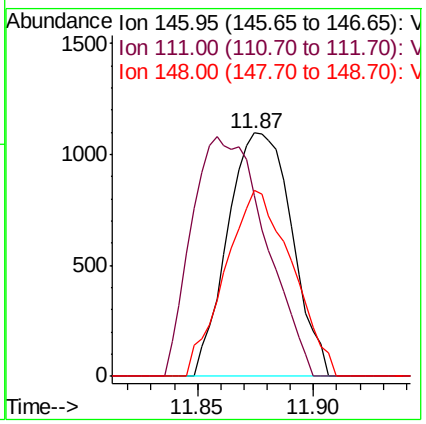


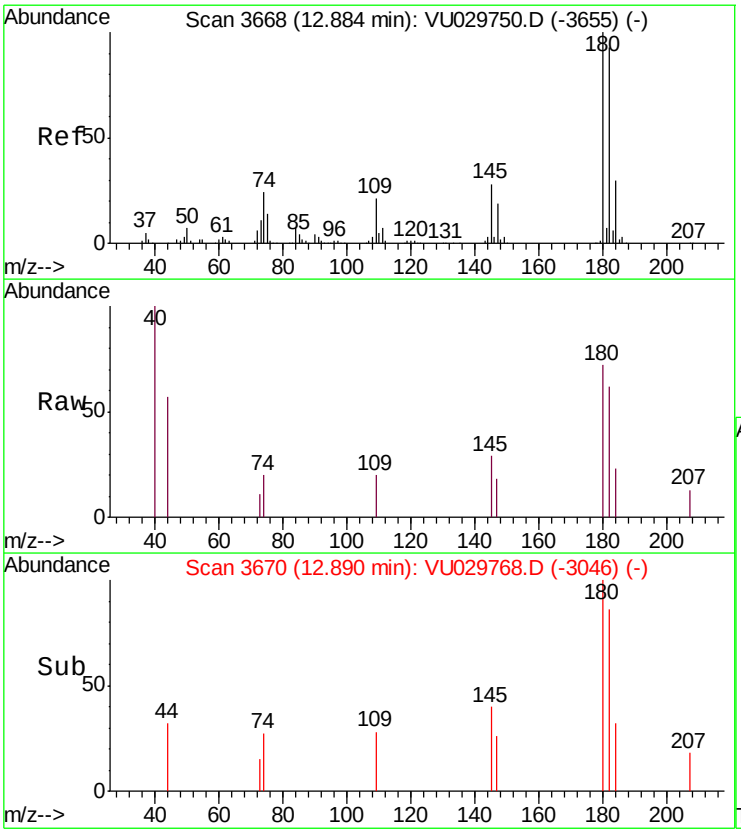
#65
1,2-Dichlorobenzene
Concen: 0.061 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument : MSVOA_U
ClientSampleId : CWK00

Tgt Ion:146 Resp: 2107

Ion	Ratio	Lower	Upper
146	100		
111	74.5	32.2	48.2#
148	76.7	52.2	78.4

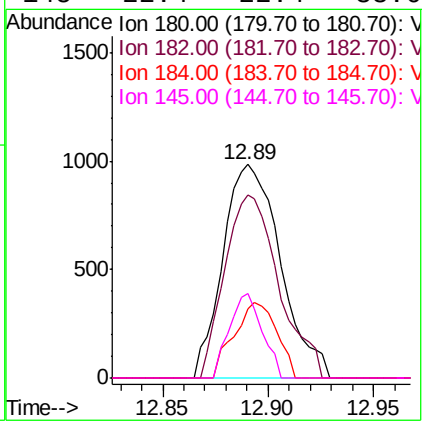


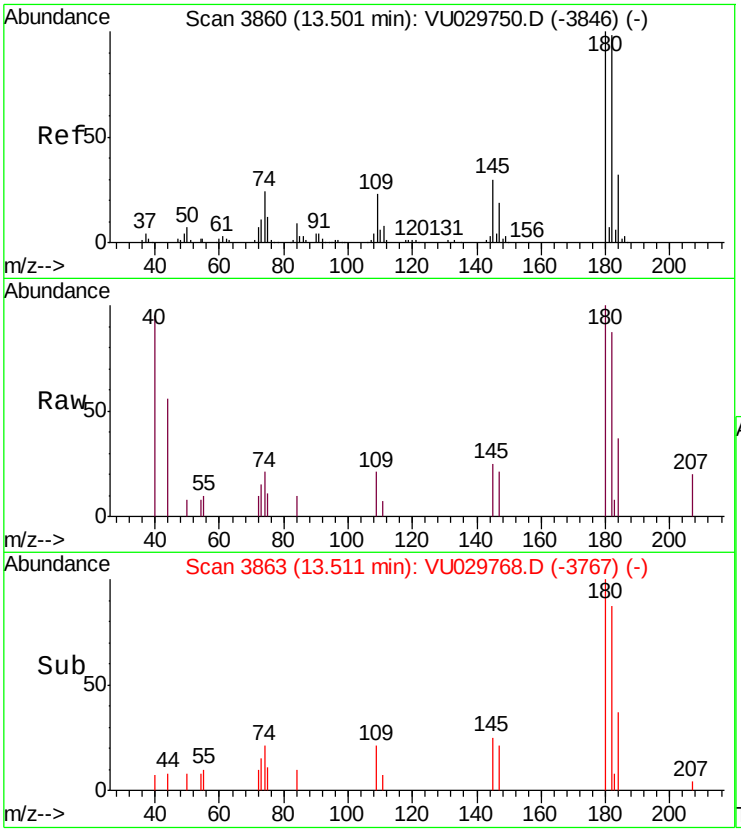


#67
1,3,5-Trichlorobenzene
Concen: 0.064 ug/L
RT: 12.89 min Scan# 3670
Delta R.T. 0.01 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Tgt Ion:180 Resp: 1864

Ion	Ratio	Lower	Upper
180	100		
182	80.5	77.0	115.6
184	26.2	25.0	37.4
145	22.4	22.4	33.6



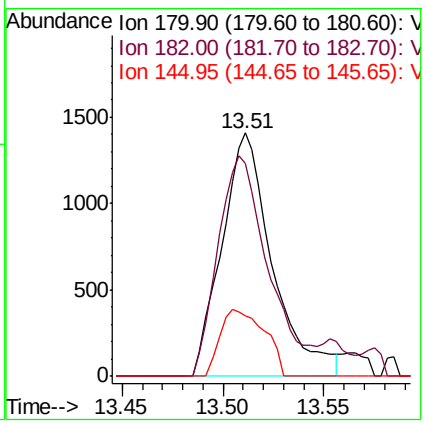


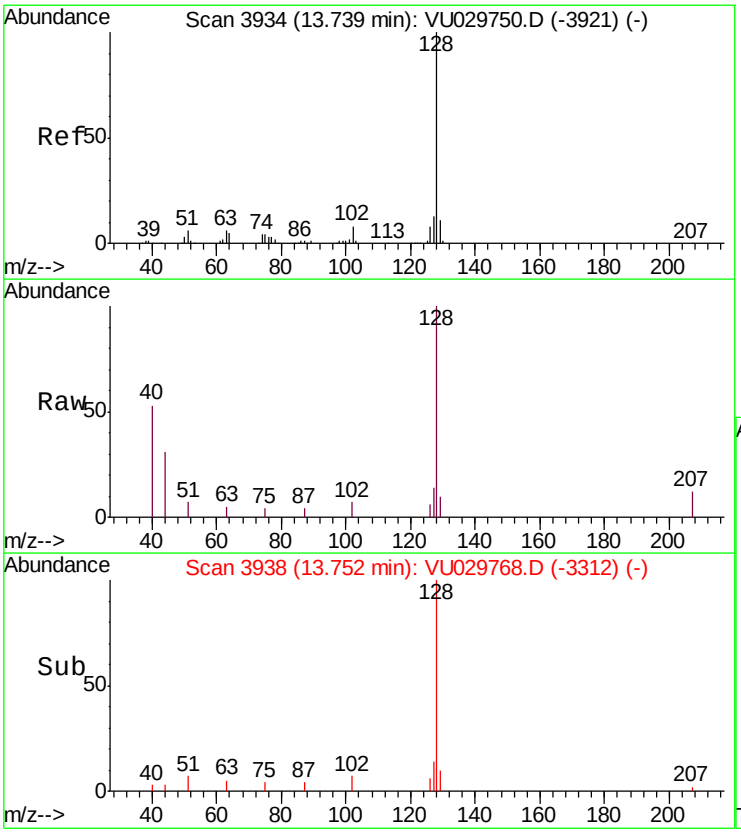
#68
1,2,4-trichlorobenzene
Concen: 0.100 ug/L
RT: 13.51 min Scan# 3863
Delta R.T. 0.01 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
CWK00

Tgt Ion:180 Resp: 2453

Ion	Ratio	Lower	Upper
180	100		
182	91.5	75.7	113.5
145	24.3	22.4	33.6

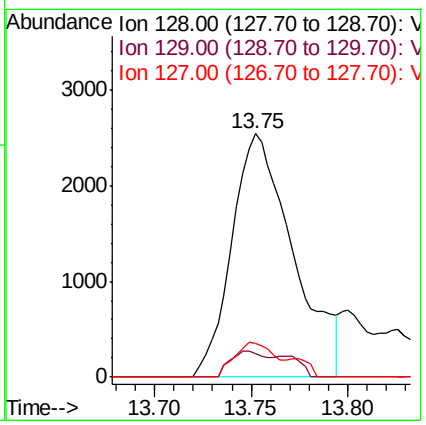


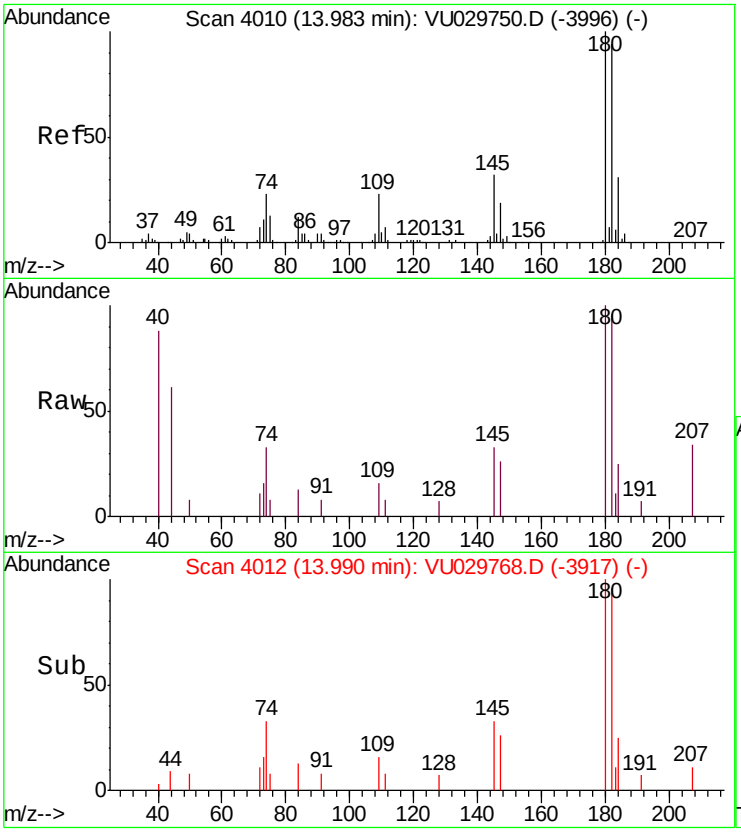


#69
Naphthalene
Concen: 0.148 ug/L
RT: 13.75 min Scan# 3938
Delta R.T. 0.01 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Tgt Ion:128 Resp: 5596

Ion	Ratio	Lower	Upper
128	100		
129	6.7	8.7	13.1#
127	9.5	10.0	15.0#





#70
1,2,3-Trichlorobenzene
Concen: 0.137 ug/L
RT: 13.99 min Scan# 4012
Delta R.T. 0.01 min
Lab File: VU029768.D
Acq: 01 Mar 2019 17:18

Instrument :
MSVOA_U
ClientSampleId :
CWK00

Tgt Ion:180 Resp: 3128

Ion	Ratio	Lower	Upper
180	100		
182	85.3	77.0	115.4
145	27.9	24.2	36.2