Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021819\

Quantitation Report (Not Reviewed)

Data File : VU029535.D
Acq On : 18 Feb 2019 17:20
Operator : JC/SP
Sample : K1522-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0AM3

Quant Time: Feb 19 00:24:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	211218	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	205689	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	107255	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	56190	3.96	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 79.20%			
7) Chloroethane-d5	1.68	69	52972	4.23	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 84.60%			
11) 1,1-Dichloroethene-d2	2.27	63	94338	3.06	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 61.20%			
20) 2-Butanone-d5	4.19	46	150164	50.89	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 101.78%			
24) Chloroform-d	4.65	84	94876	4.20	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 84.00%			
26) 1,2-Dichloroethane-d4	5.31	65	58483	4.86	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 97.20%			
32) Benzene-d6	5.34	84	221072	4.47	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 89.40%			
36) 1,2-Dichloropropane-d6	6.33	67	67472	4.62	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 92.40%			
41) Toluene-d8	7.56	98	215784	4.42	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 88.40%			
43) trans-1,3-Dichloropropene-	7.85	79	27864	4.27	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 85.40%			
46) 2-Hexanone-d5	8.31	63	150214	49.98	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 99.96%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	60549	4.77	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 95.40%			
64) 1,2-Dichlorobenzene-d4	11.86	152	96622	4.88	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 97.60%			

Target Compounds						Qvalue
8) Chloroethane	1.68	64	2384	0.180	ug/L #	61
9) Trichlorofluoromethane	1.89	101	47666	1.531	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1075	0.059	ug/L #	23
12) 1,1-Dichloroethene	2.29	96	7864	0.452	ug/L #	1
13) Acetone	2.32	43	2387	0.890	ug/L	90
19) 1,1-Dichloroethane	3.44	63	1385	0.050	ug/L	91
22) cis-1,2-Dichloroethene	4.22	96	5889	0.345	ug/L	100
25) Chloroform	4.67	83	15301	0.548	ug/L	98
27) 1,2-Dichloroethane	5.41	62	21084	1.304	ug/L	98
29) 1,1,1-Trichloroethane	4.92	97	9177	0.361	ug/L	98
31) Carbon tetrachloride	4.91	117	1186	0.052	ug/L	96
33) Benzene	5.39	78	4475	0.074	ug/L	100
34) Trichloroethene	6.18	95	1307709	76.820	ug/L	98
35) Methylcyclohexane	6.33	83	16331	0.570	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	7897	0.521	ug/L #	87
47) Tetrachloroethene	8.22	164	30882	1.981	ug/L	94
48) 2-Hexanone	8.37	43	2162	0.339	ug/L #	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021819\

Quantitation Report (Not Reviewed)

Data File : VU029535.D
Acq On : 18 Feb 2019 17:20
Operator : JC/SP
Sample : K1522-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0AM3

Quant Time: Feb 19 00:24:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.22	129	27406	1.751	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	11485	1.181	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	1951	0.051	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.47	75	724	0.323	ug/L #	1

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

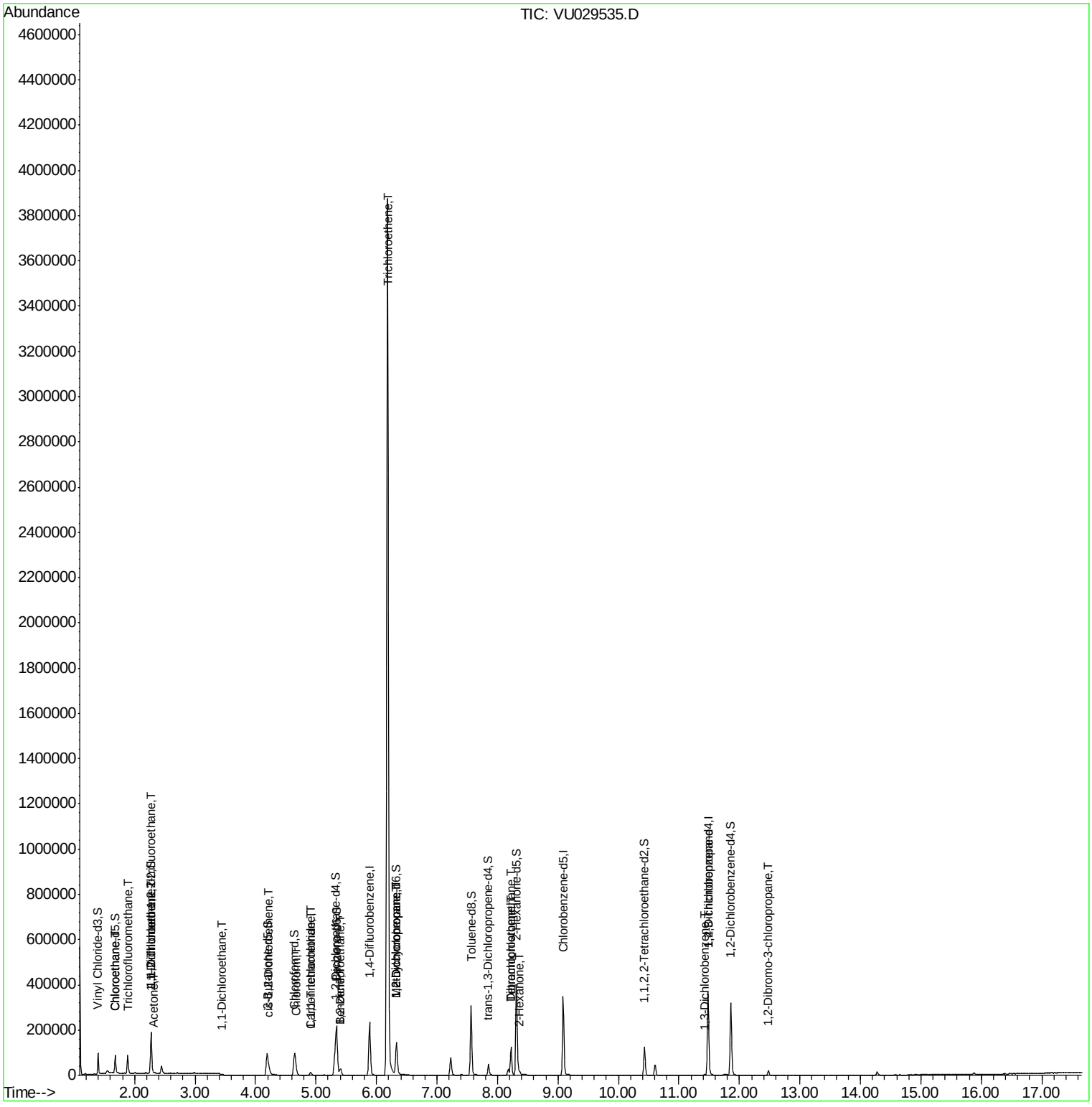
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021819\

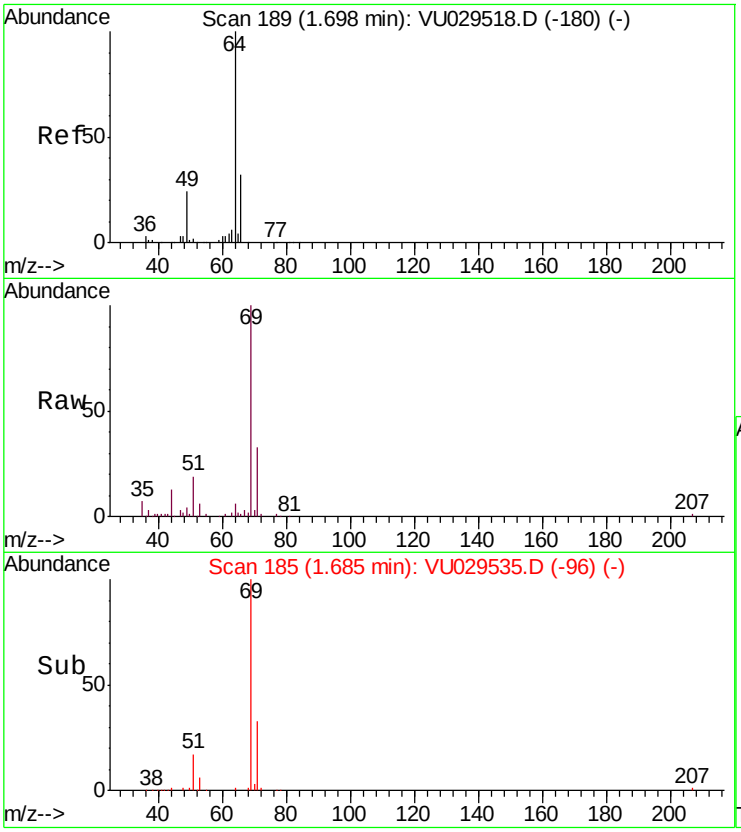
Quantitation Report (Not Reviewed)

Data File : VU029535.D
Acq On : 18 Feb 2019 17:20
Operator : JC/SP
Sample : K1522-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AM3

Quant Time: Feb 19 00:24:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration



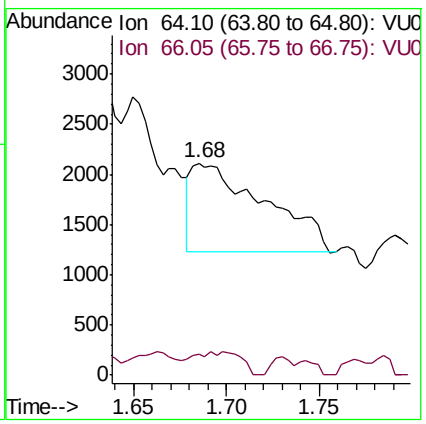


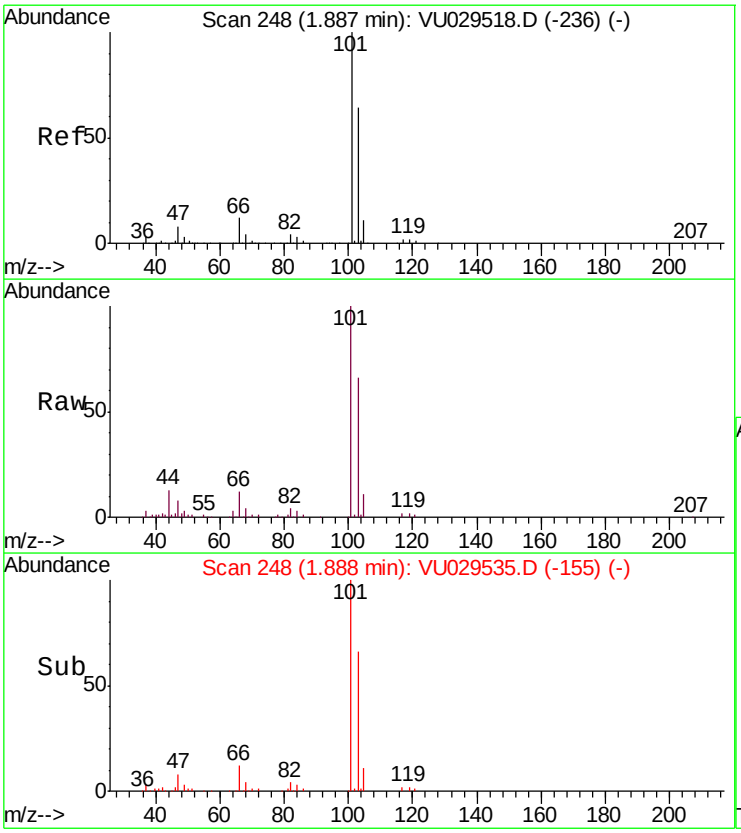
#8
Chloroethane
Concen: 0.180 ug/L
RT: 1.68 min Scan# 185
Delta R.T. -0.01 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
C0AM3

Tgt Ion: 64 Resp: 2384

Ion	Ratio	Lower	Upper
64	100		
66	10.1	22.0	40.8#

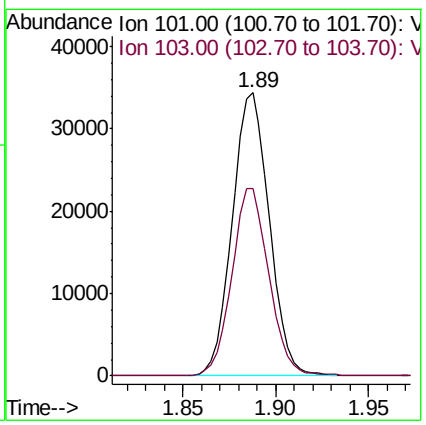


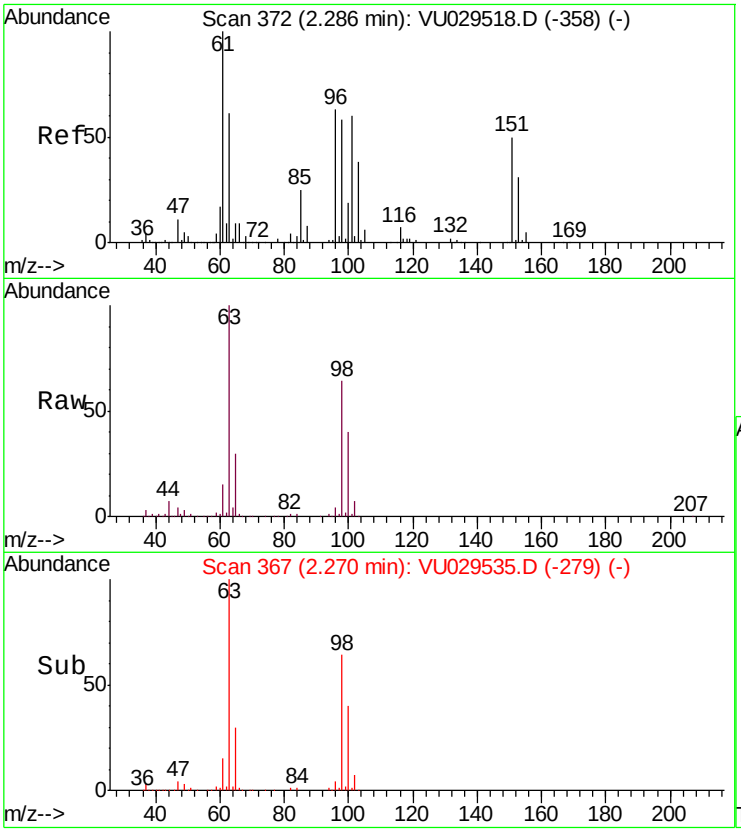


#9
Trichlorofluoromethane
Concen: 1.531 ug/L
RT: 1.89 min Scan# 248
Delta R.T. 0.00 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Tgt Ion:101 Resp: 47666

Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.1	78.1



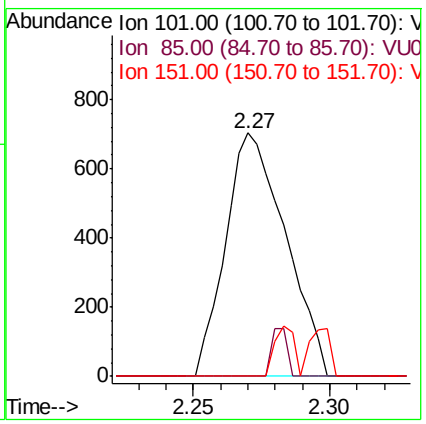


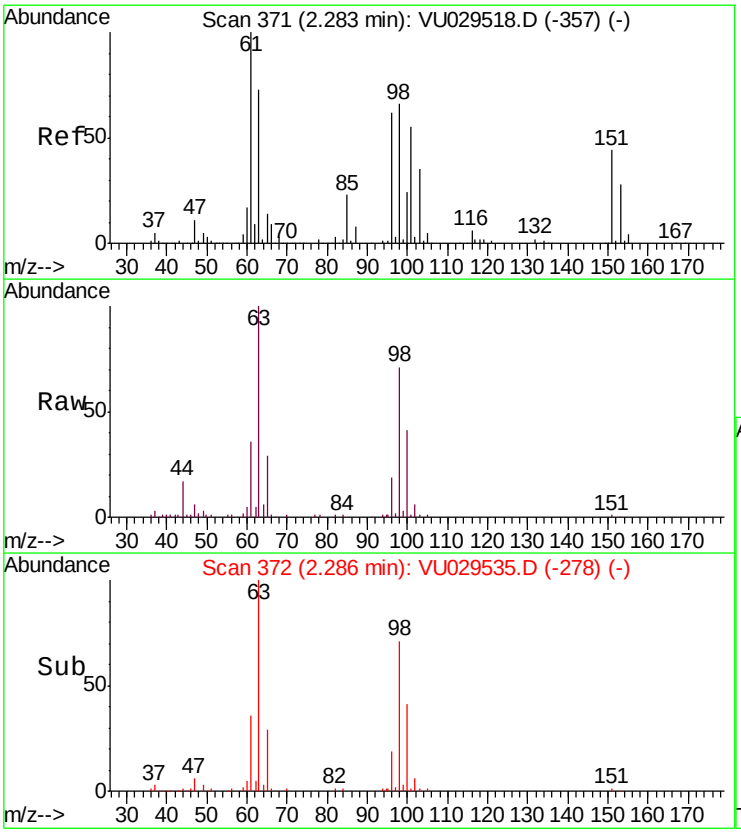
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.059 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.02 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
C0AM3

Tgt Ion:101 Resp: 1075

Ion	Ratio	Lower	Upper
101	100		
85	5.0	35.1	52.7#
151	6.8	67.0	100.6#

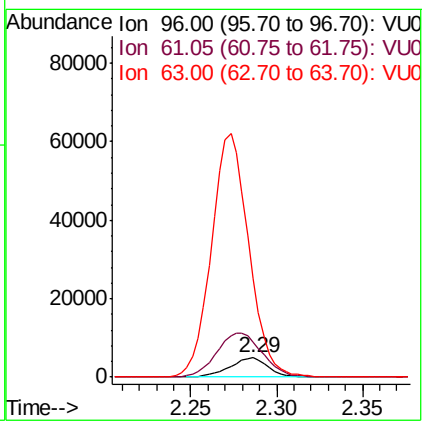


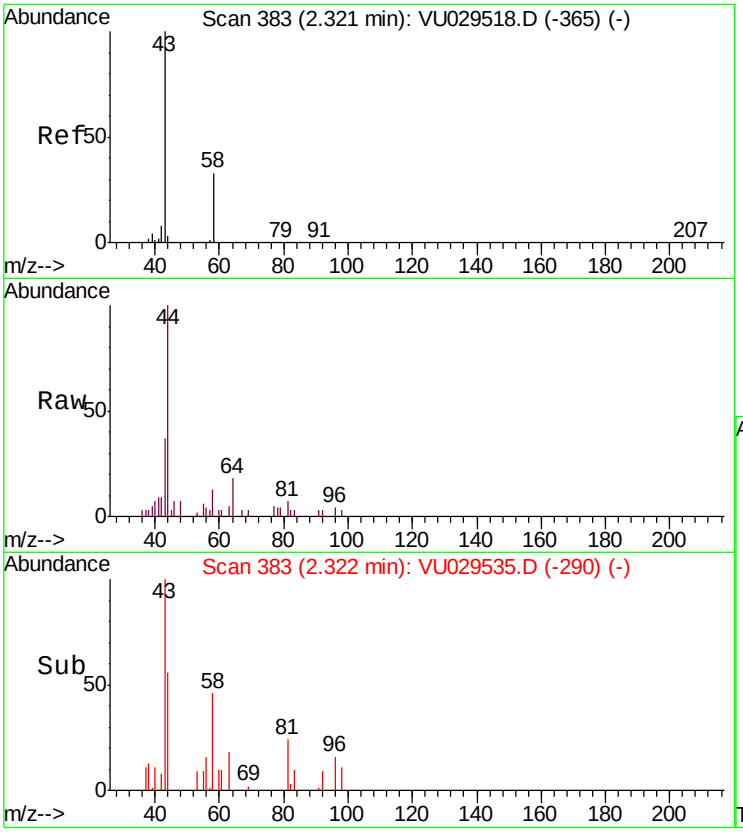


#12
1,1-Dichloroethene
Concen: 0.452 ug/L
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Tgt Ion: 96 Resp: 7864

Ion	Ratio	Lower	Upper
96	100		
61	184.4	115.1	213.7
63	514.2	83.5	155.1#



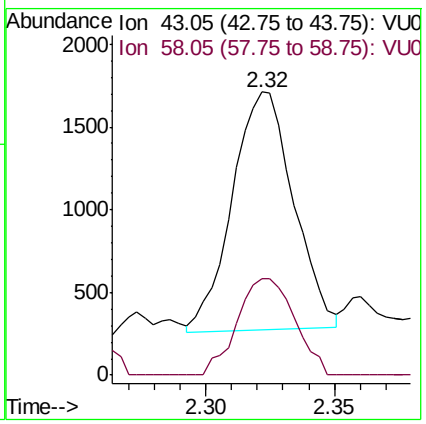


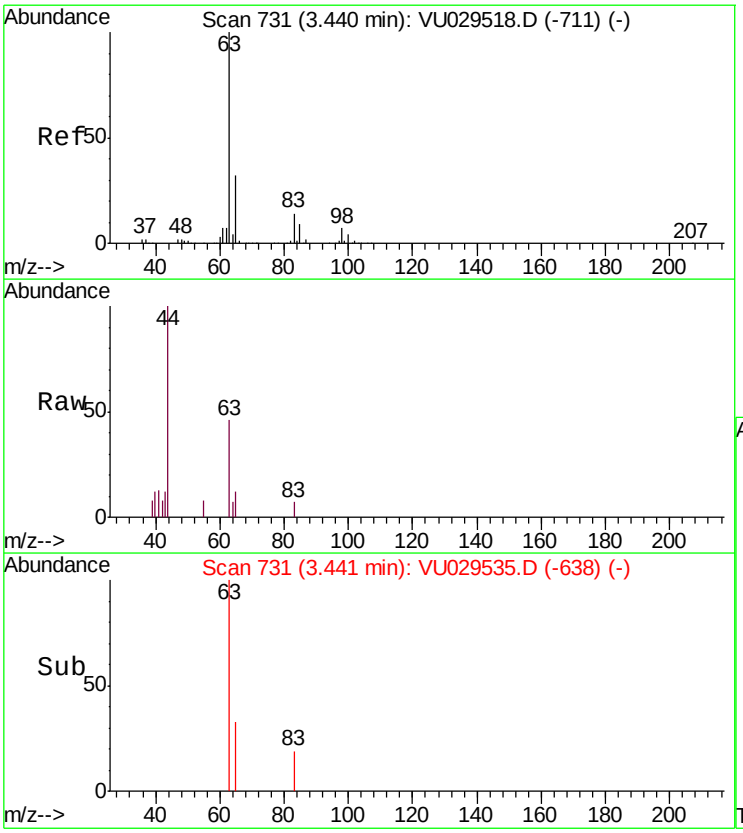
#13
Acetone
Concen: 0.890 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
C0AM3

Tgt Ion: 43 Resp: 2387

Ion	Ratio	Lower	Upper
43	100		
58	37.9	0.0	65.0

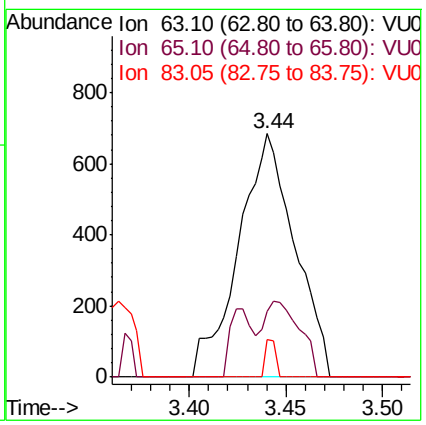


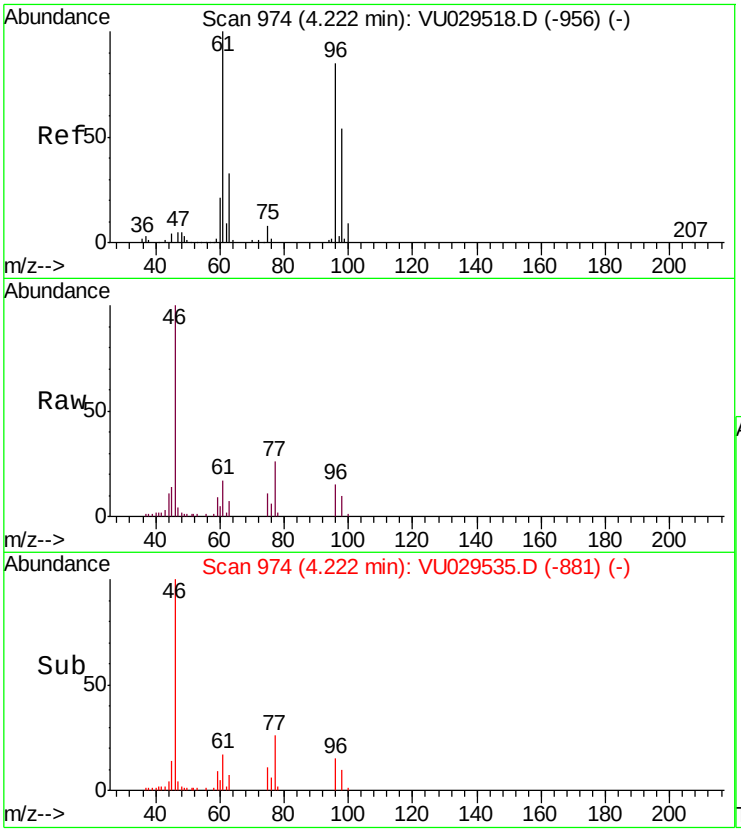


#19
1,1-Dichloroethane
Concen: 0.050 ug/L
RT: 3.44 min Scan# 731
Delta R.T. 0.00 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Tgt Ion: 63 Resp: 1385

Ion	Ratio	Lower	Upper
63	100		
65	27.0	23.5	43.7
83	15.3	10.3	19.1



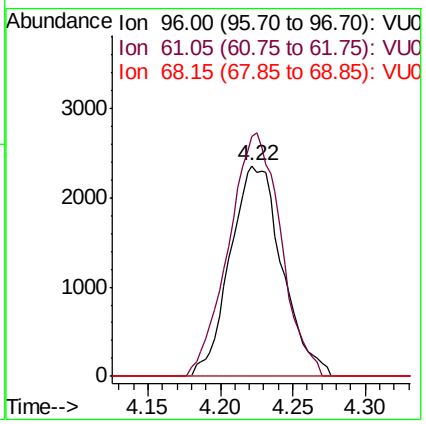


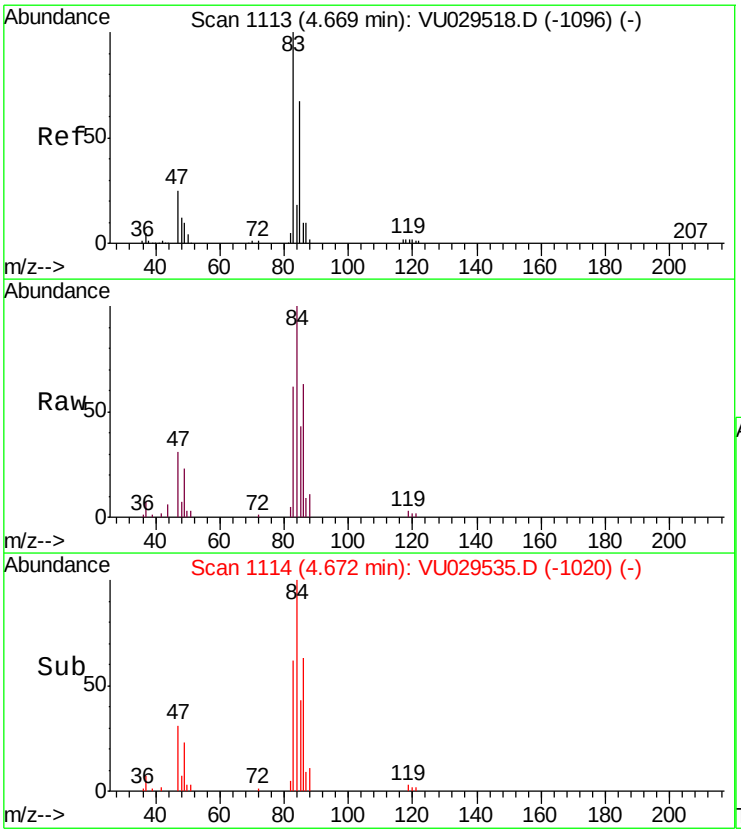
#22
cis-1,2-Dichloroethene
Concen: 0.345 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
C0AM3

Tgt Ion: 96 Resp: 5889

Ion	Ratio	Lower	Upper
96	100		
61	114.1	79.9	148.5
68	0.0	0.0	0.0

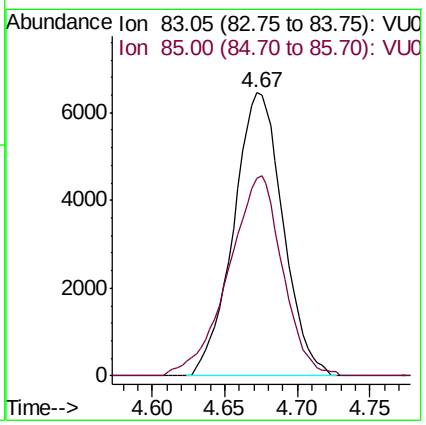


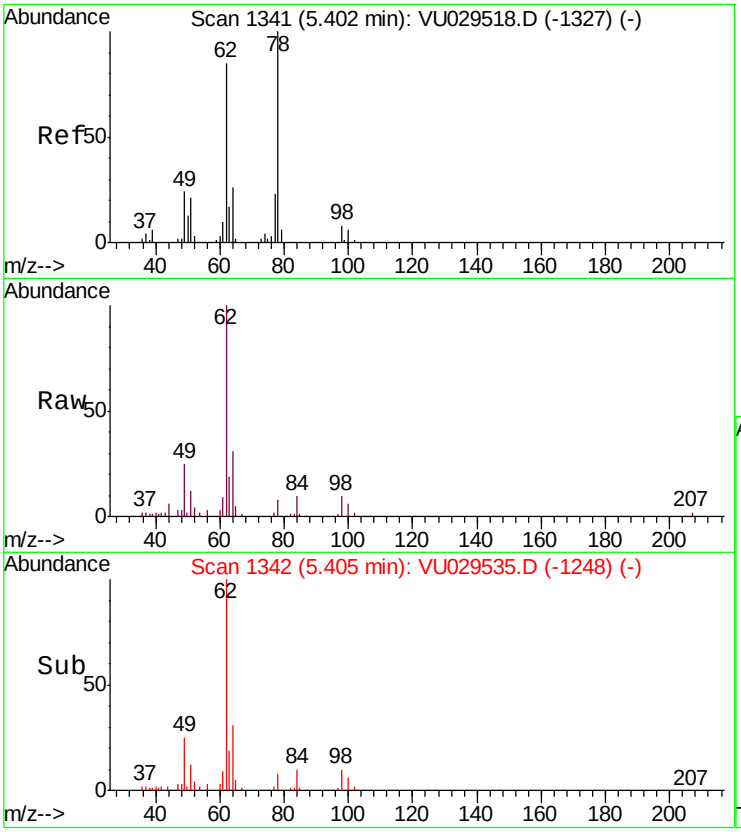


#25
Chloroform
Concen: 0.548 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Tgt Ion: 83 Resp: 15301

Ion	Ratio	Lower	Upper
83	100		
85	69.6	47.8	88.8



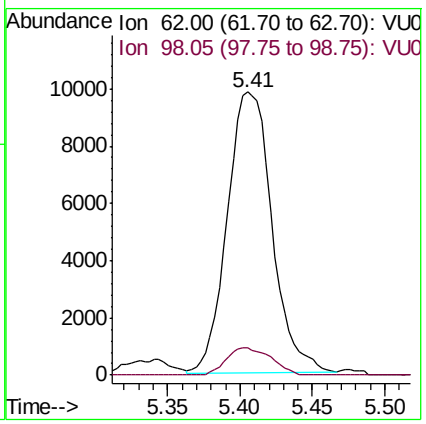


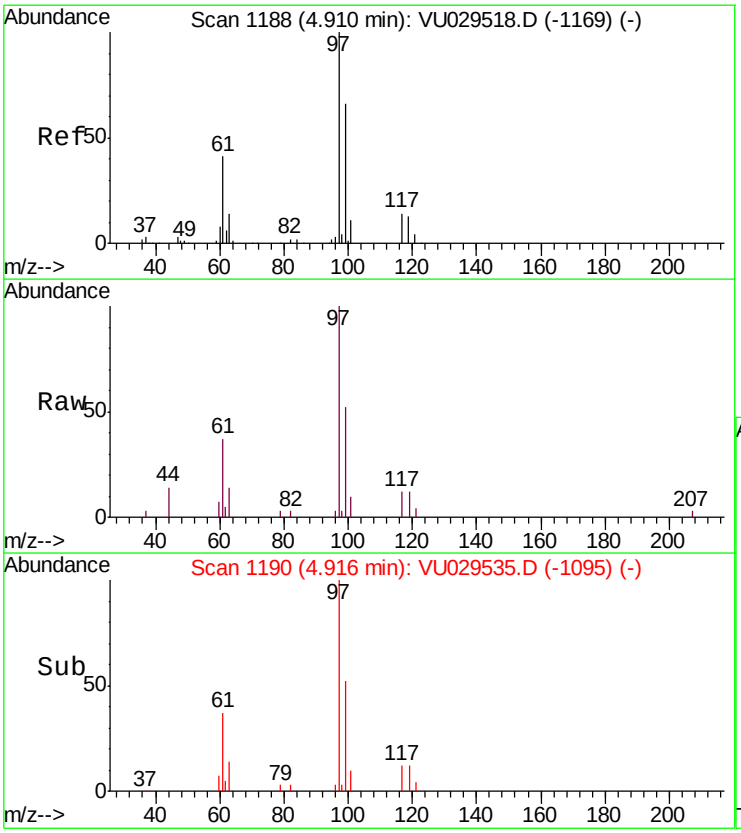
#27
1,2-Dichloroethane
Concen: 1.304 ug/L
RT: 5.41 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Instrument : MSVOA_U
ClientSampleId : C0AM3

Tgt Ion: 62 Resp: 21084

Ion	Ratio	Lower	Upper
62	100		
98	9.6	8.4	12.6

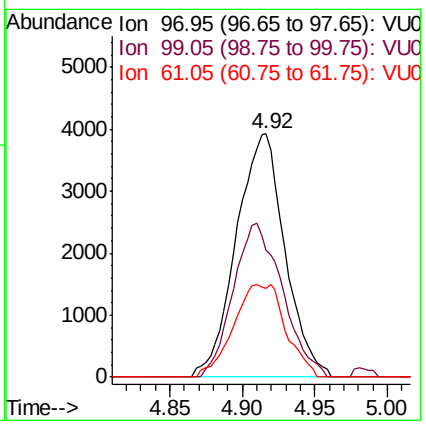


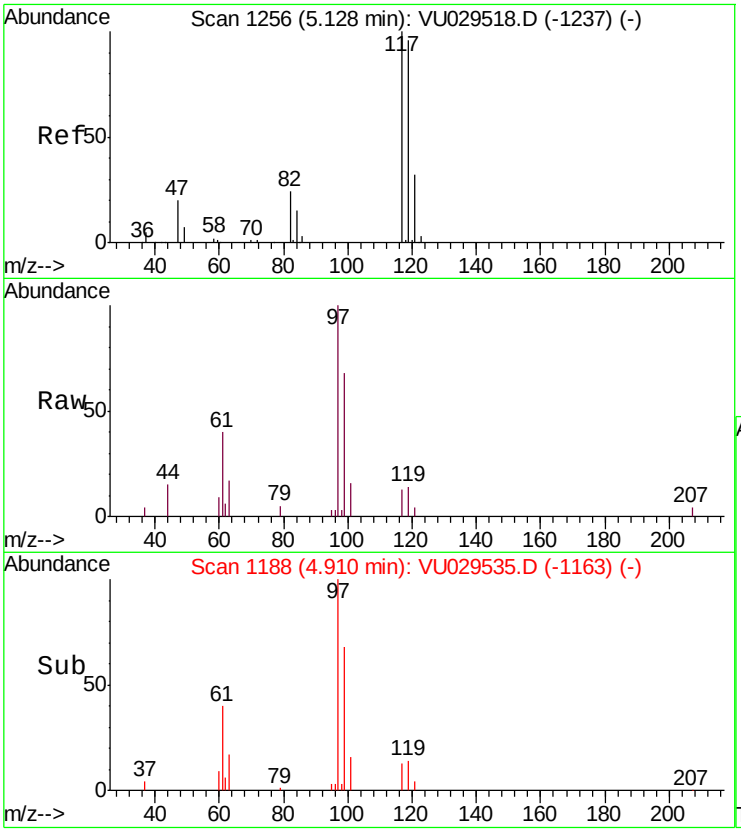


#29
1,1,1-Trichloroethane
Concen: 0.361 ug/L
RT: 4.92 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Tgt Ion: 97 Resp: 9177

Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.2	78.2
61	40.7	32.0	48.0



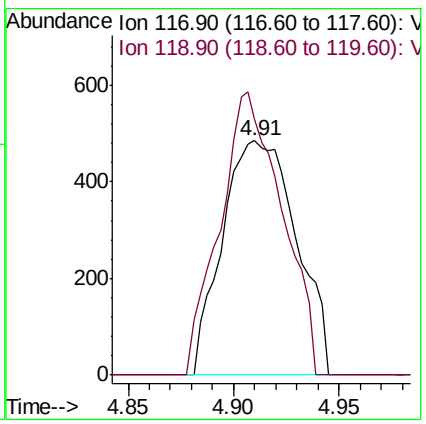


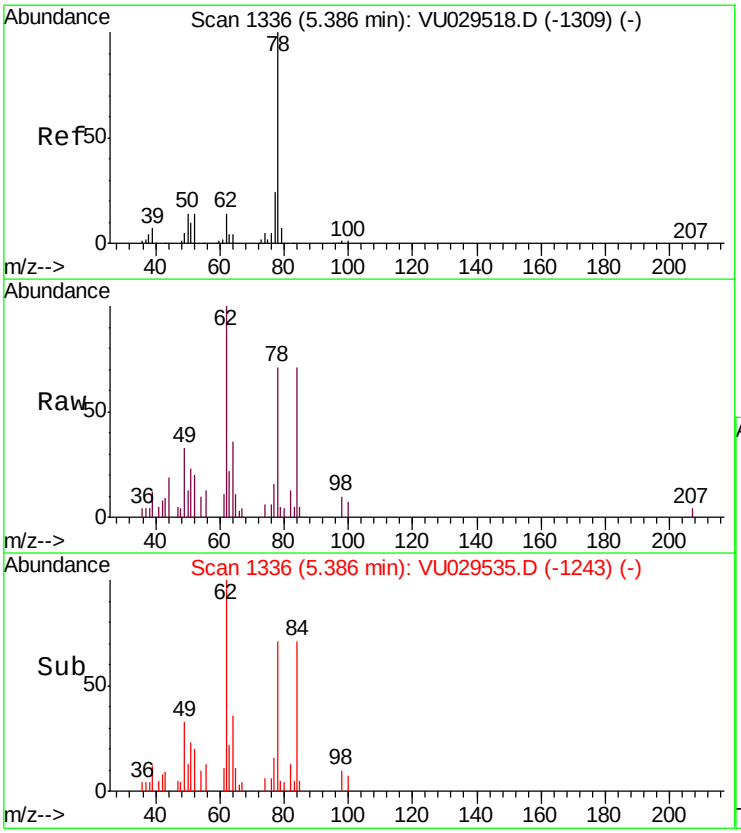
#31
Carbon tetrachloride
Concen: 0.052 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. -0.22 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
C0AM3

Tgt Ion:117 Resp: 1186

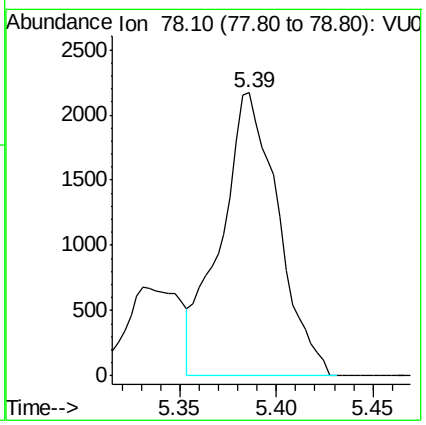
Ion	Ratio	Lower	Upper
117	100		
119	101.1	78.1	117.1

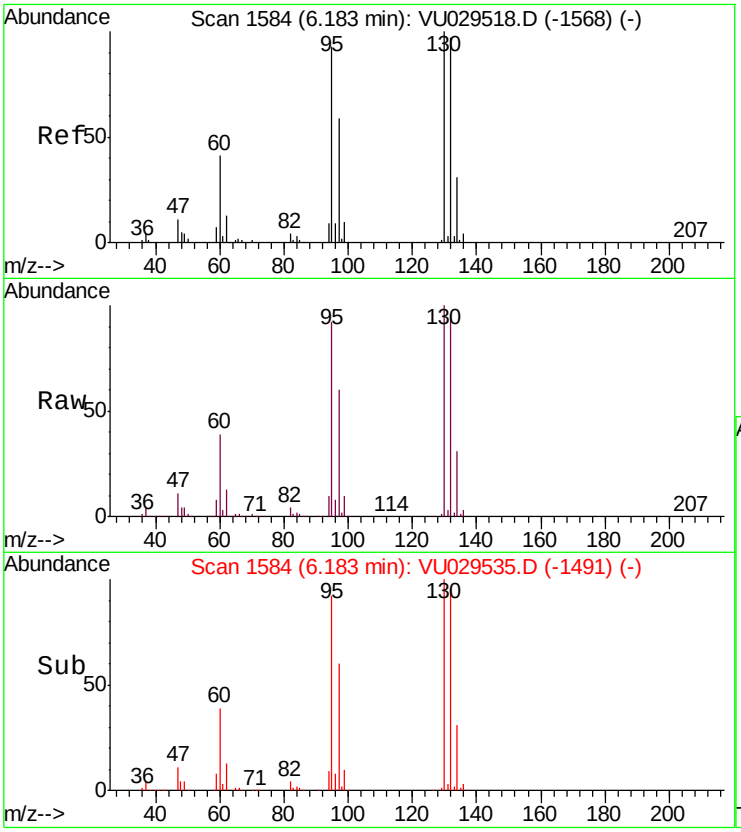




#33
Benzene
Concen: 0.074 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Tgt Ion: 78 Resp: 4475



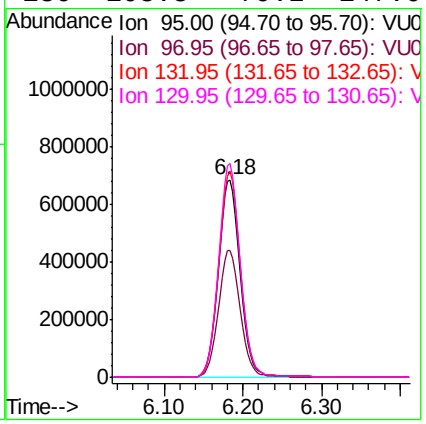


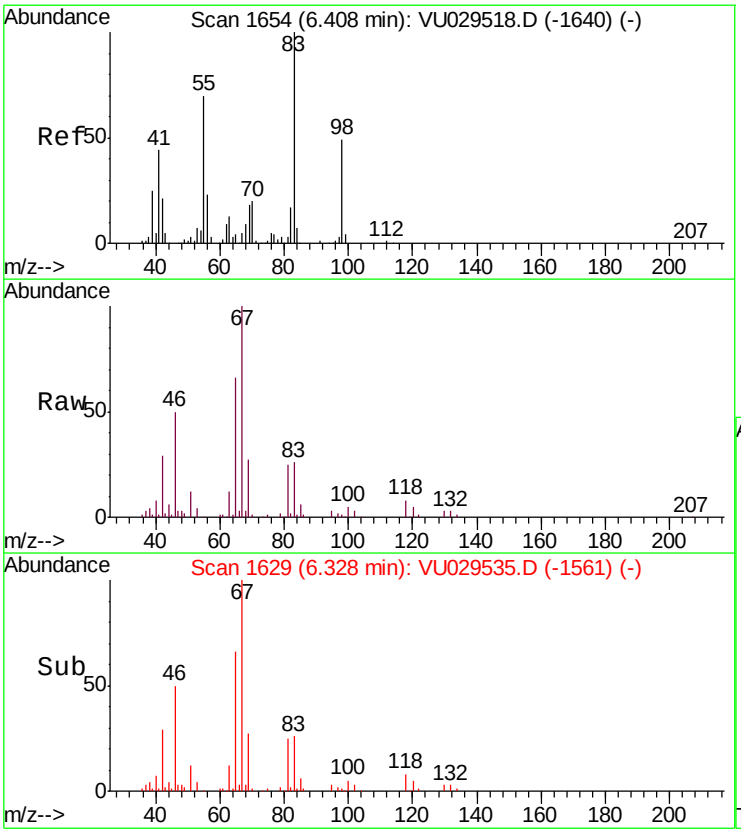
#34
Trichloroethene
Concen: 76.820 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
C0AM3

Tgt Ion: 95 Resp: 1307709

Ion	Ratio	Lower	Upper
95	100		
97	64.5	46.3	86.1
132	104.4	72.9	135.3
130	108.3	79.2	147.0

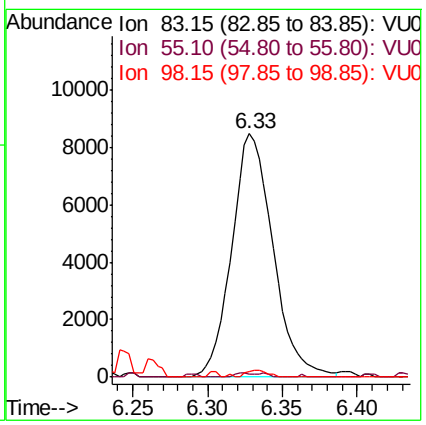


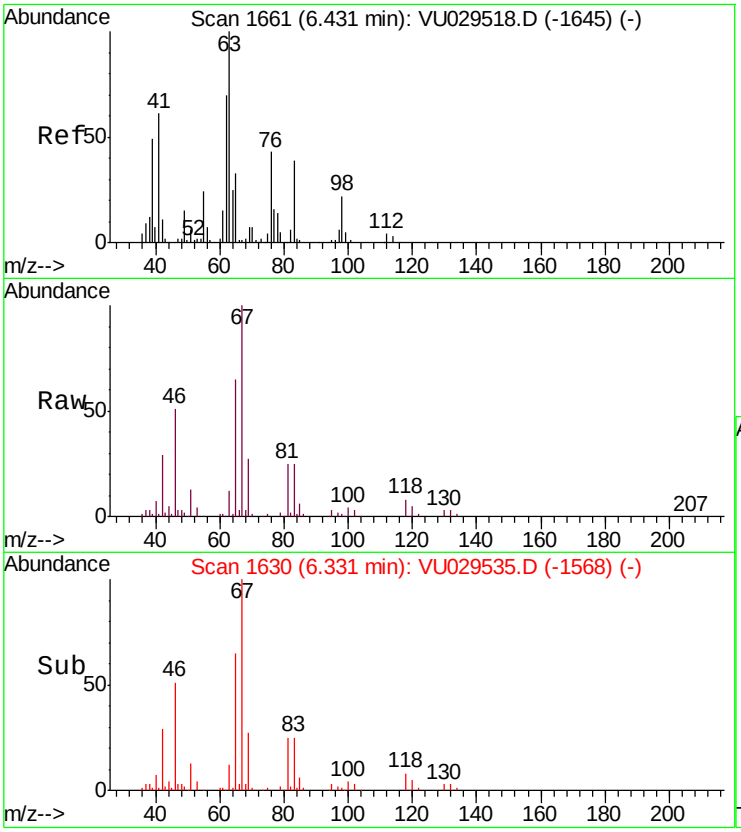


#35
Methylcyclohexane
Concen: 0.570 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Tgt Ion: 83 Resp: 16331

Ion	Ratio	Lower	Upper
83	100		
55	0.7	55.9	83.9#
98	0.0	38.6	57.8#



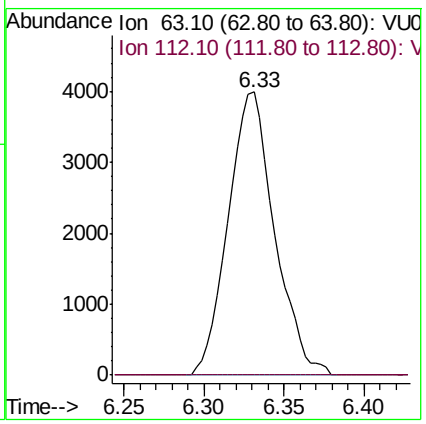


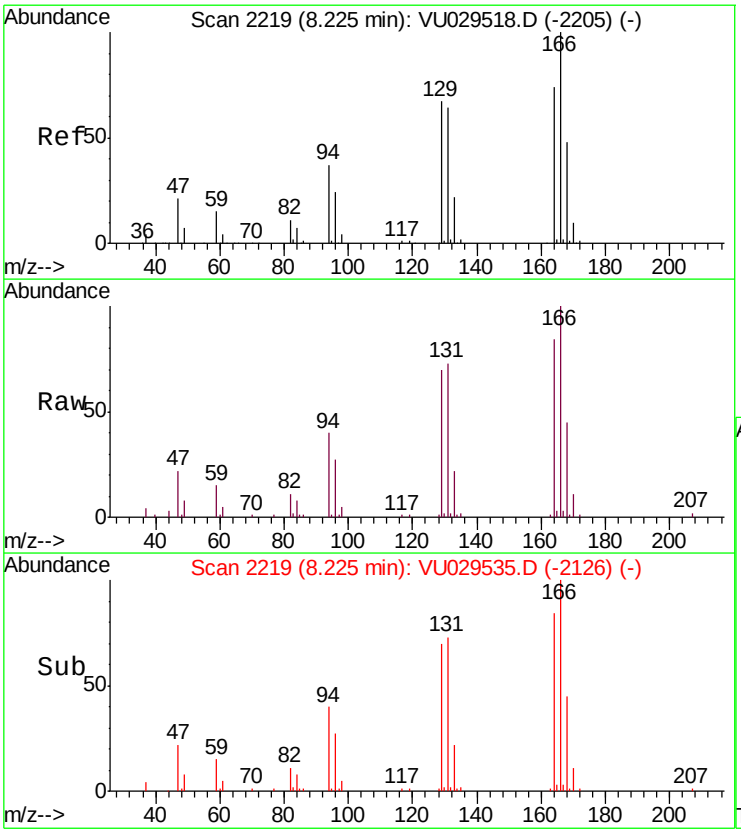
#37
1,2-Dichloropropane
Concen: 0.521 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.10 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Instrument : MSVOA_U
ClientSampleId : C0AM3

Tgt Ion: 63 Resp: 7897

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.5	5.3#

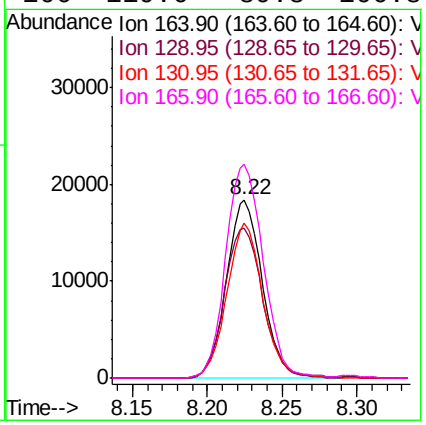


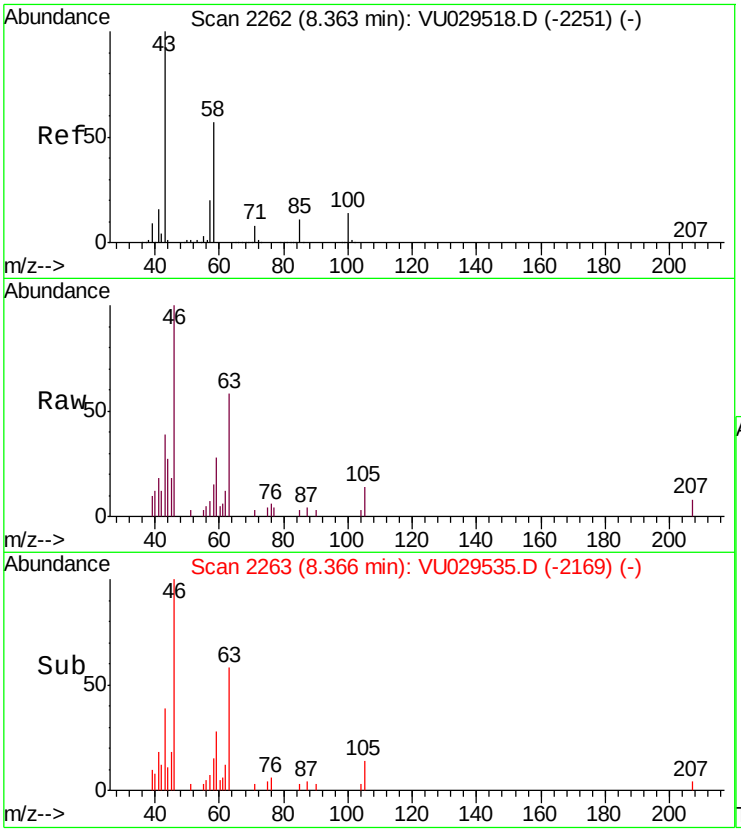


#47
Tetrachloroethene
Concen: 1.981 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Tgt Ion:164 Resp: 30882

Ion	Ratio	Lower	Upper
164	100		
129	83.8	62.9	116.9
131	86.9	62.1	115.3
166	119.6	89.8	166.8



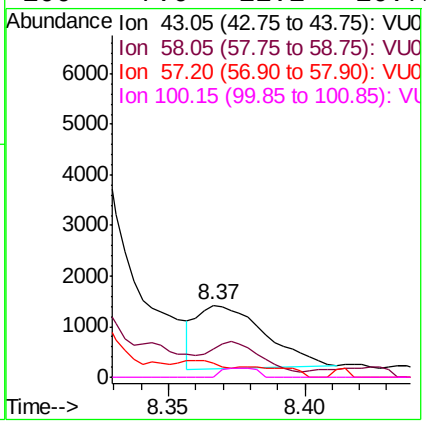


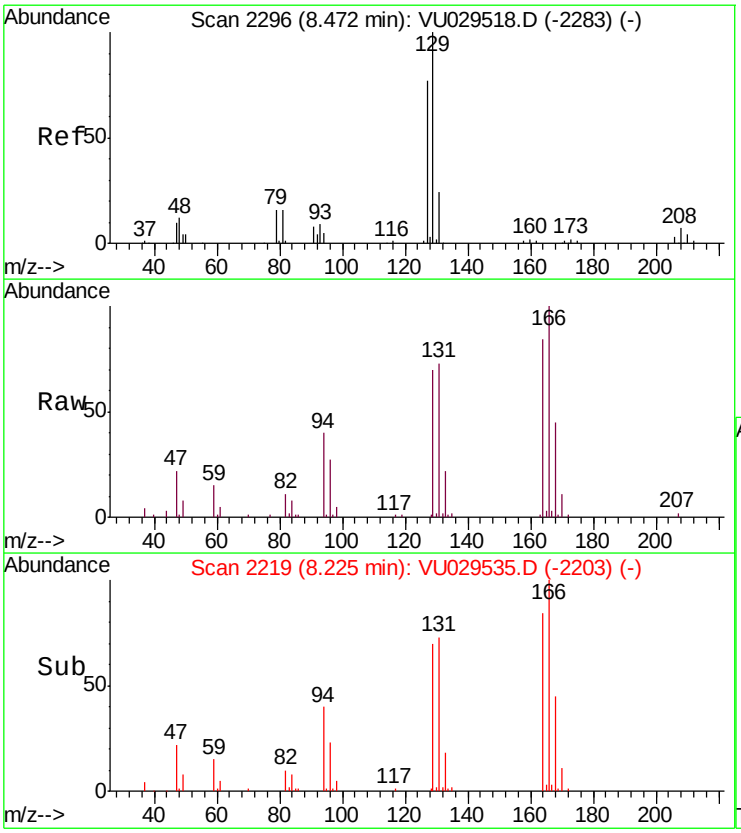
#48
2-Hexanone
Concen: 0.339 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Instrument : MSVOA_U
ClientSampleId : C0AM3

Tgt Ion: 43 Resp: 2162

Ion	Ratio	Lower	Upper
43	100		
58	45.6	45.7	68.5#
57	6.8	16.4	24.6#
100	7.6	11.1	16.7#

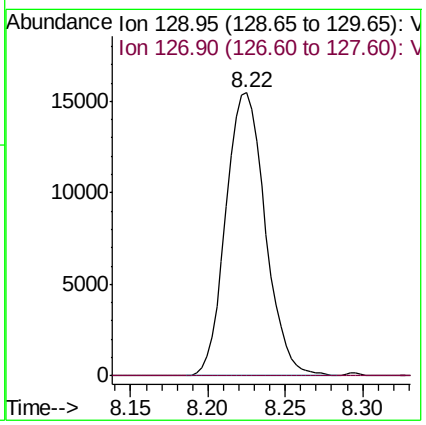


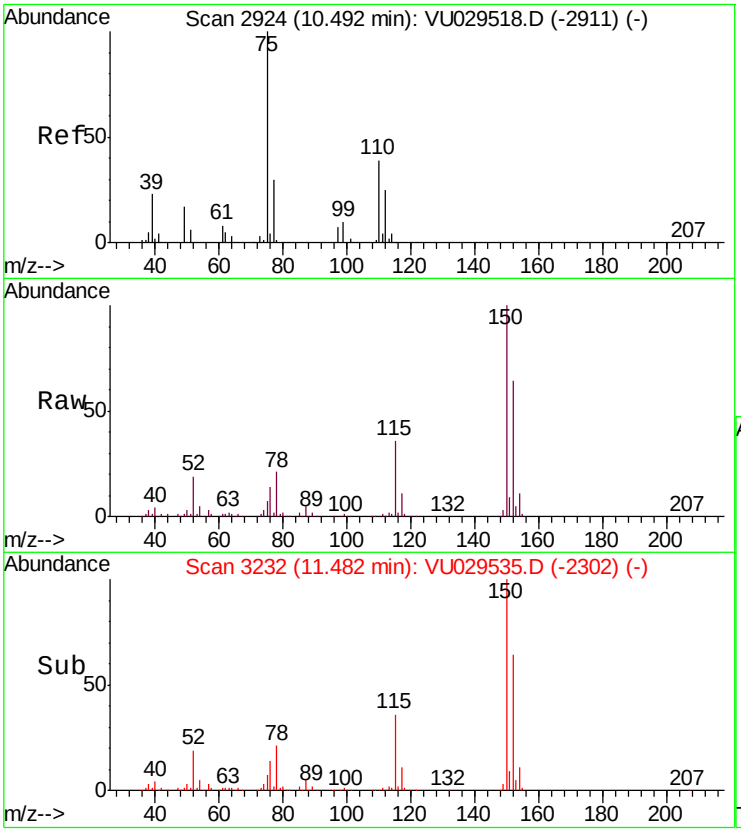


#49
Dibromochloromethane
Concen: 1.751 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Tgt Ion:129 Resp: 27406

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.3	99.1#



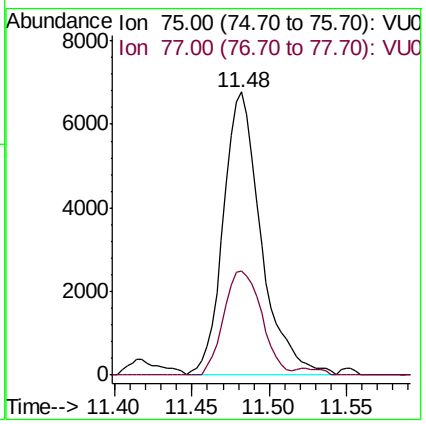


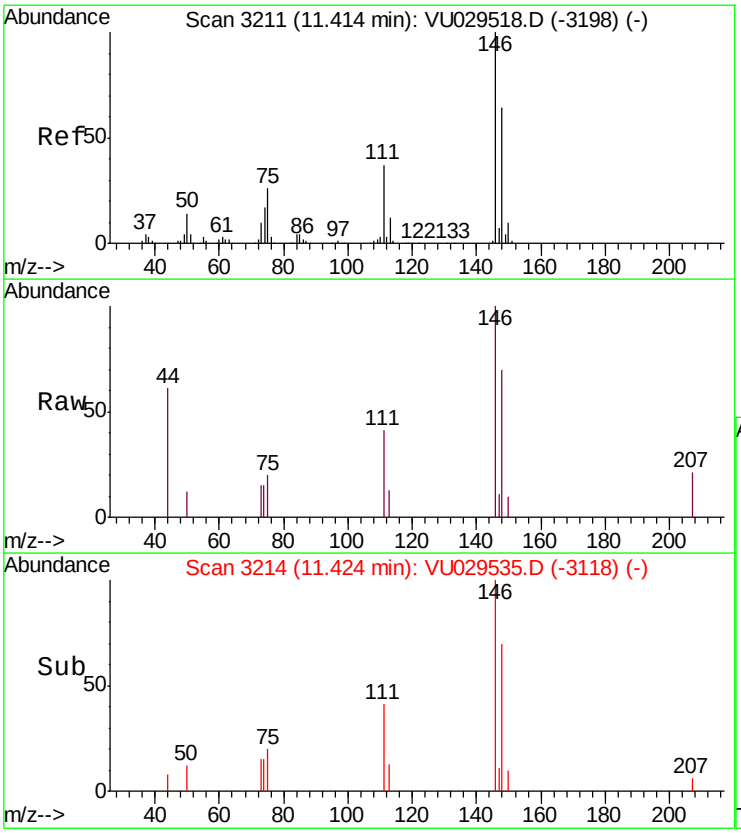
#59
1,2,3-Trichloropropane
Concen: 1.181 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Instrument : MSVOA_U
ClientSampleId : C0AM3

Tgt Ion: 75 Resp: 11485

Ion	Ratio	Lower	Upper
75	100		
77	36.8	28.2	42.2

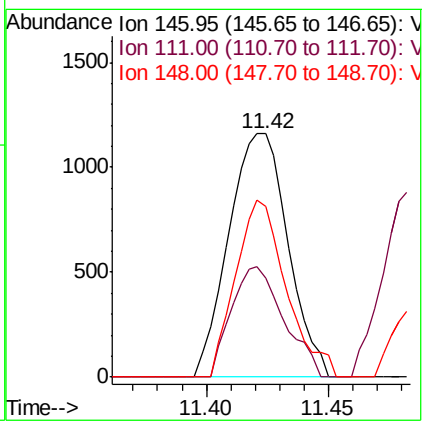


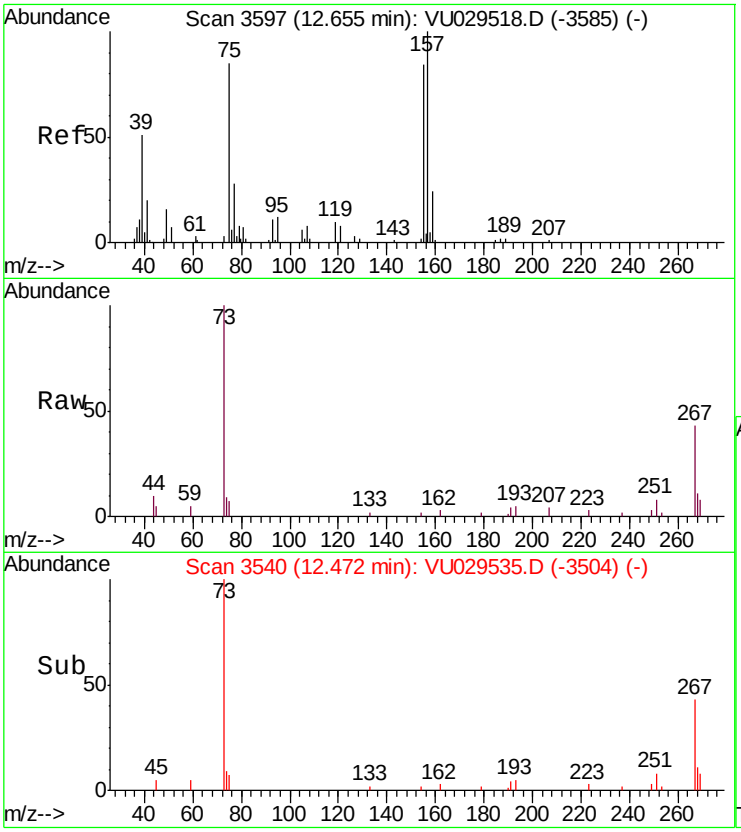


#62
1,3-Dichlorobenzene
Concen: 0.051 ug/L
RT: 11.42 min Scan# 3214
Delta R.T. 0.01 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Tgt Ion:146 Resp: 1951

Ion	Ratio	Lower	Upper
146	100		
111	40.7	26.1	48.5
148	70.1	44.7	82.9





#66
1,2-Dibromo-3-chloropropane
Concen: 0.323 ug/L
RT: 12.47 min Scan# 3540
Delta R.T. -0.18 min
Lab File: VU029535.D
Acq: 18 Feb 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
C0AM3

Tgt Ion: 75 Resp: 724

Ion	Ratio	Lower	Upper
75	100		
155	0.0	75.3	112.9#
157	0.0	103.0	154.4#