Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028293.D
Acq On : 20 Nov 2018 21:20
Operator : MD/SY
Sample : J5997-11MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: Nov 21 07:12:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 07:07:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	120109	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	118337	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	50821	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	36021	3.99	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 79.80%			
7) Chloroethane-d5	1.68	69	37898	4.86	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 97.20%			
11) 1,1-Dichloroethene-d2	2.28	63	87287	4.85	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 97.00%			
20) 2-Butanone-d5	4.19	46	167636	55.42	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 110.84%			
24) Chloroform-d	4.65	84	86824	5.15	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 103.00%			
26) 1,2-Dichloroethane-d4	5.31	65	49963	5.36	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 107.20%			
32) Benzene-d6	5.34	84	164301	4.82	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.40%			
36) 1,2-Dichloropropane-d6	6.33	67	63105	5.10	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 102.00%			
41) Toluene-d8	7.57	98	135201	4.43	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 88.60%			
43) trans-1,3-Dichloropropene-	7.85	79	16211	4.10	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 82.00%			
46) 2-Hexanone-d5	8.31	63	115603	48.79	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 97.58%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	47233	5.29	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 105.80%			
64) 1,2-Dichlorobenzene-d4	11.86	152	49375	5.22	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 104.40%			
Target Compounds						Qvalue
8) Chloroethane	1.70	64	764	0.106	ug/L #	62
9) Trichlorofluoromethane	1.89	101	1682	0.118	ug/L #	77
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	463	0.059	ug/L #	21
12) 1,1-Dichloroethene	2.29	96	45547	6.160	ug/L	86
13) Acetone	2.32	43	15498	7.450	ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	891	0.113	ug/L	79
19) 1,1-Dichloroethane	3.45	63	71005	3.888	ug/L	97
22) cis-1,2-Dichloroethene	4.23	96	9243	0.993	ug/L	98
25) Chloroform	4.68	83	7442	0.377	ug/L	94
27) 1,2-Dichloroethane	5.39	62	2230	0.197	ug/L #	78
29) 1,1,1-Trichloroethane	4.92	97	50460	3.782	ug/L	97
31) Carbon tetrachloride	4.92	117	6178	0.564	ug/L	95
33) Benzene	5.39	78	211831	5.425	ug/L	100
34) Trichloroethene	6.19	95	62201	6.507	ug/L	97
35) Methylcyclohexane	6.33	83	12526	0.832	ug/L #	13
37) 1,2-Dichloropropane	6.34	63	6153	0.552	ug/L #	93
38) Bromodichloromethane	6.77	83	1535	0.126	ug/L #	84

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028293.D
Acq On : 20 Nov 2018 21:20
Operator : MD/SY
Sample : J5997-11MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: Nov 21 07:12:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 07:07:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) cis-1,3-Dichloropropene	7.23	75	1105	0.078	ug/L		96
40) 4-Methyl-2-pentanone	7.47	43	2698	0.339	ug/L	#	88
42) Toluene	7.64	91	214022	5.408	ug/L		98
47) Tetrachloroethene	8.23	164	2606	0.393	ug/L		79
48) 2-Hexanone	8.37	43	3821	0.673	ug/L	#	95
51) Chlorobenzene	9.12	112	119267	5.233	ug/L		96
52) Ethylbenzene	9.25	91	3859	0.091	ug/L		95
53) m,p-xylene	9.38	106	6385	0.432	ug/L		95
54) o-xylene	9.78	106	2227	0.151	ug/L		78
59) 1,2,3-Trichloropropane	11.48	75	7139	1.109	ug/L	#	86
69) Naphthalene	13.76	128	1835	0.104	ug/L	#	82

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112018\
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Acq On : 20 Nov 2018 21:20
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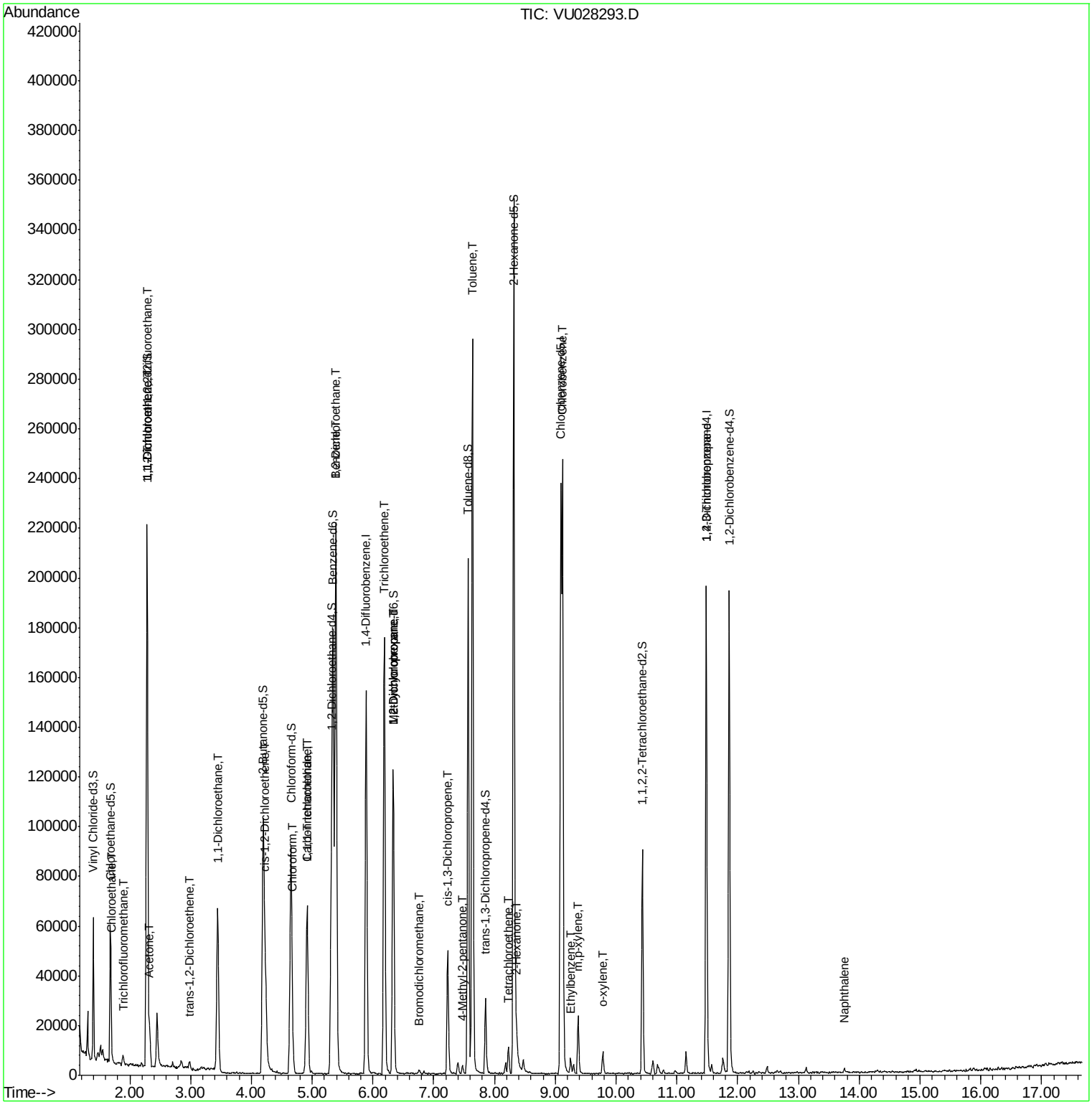
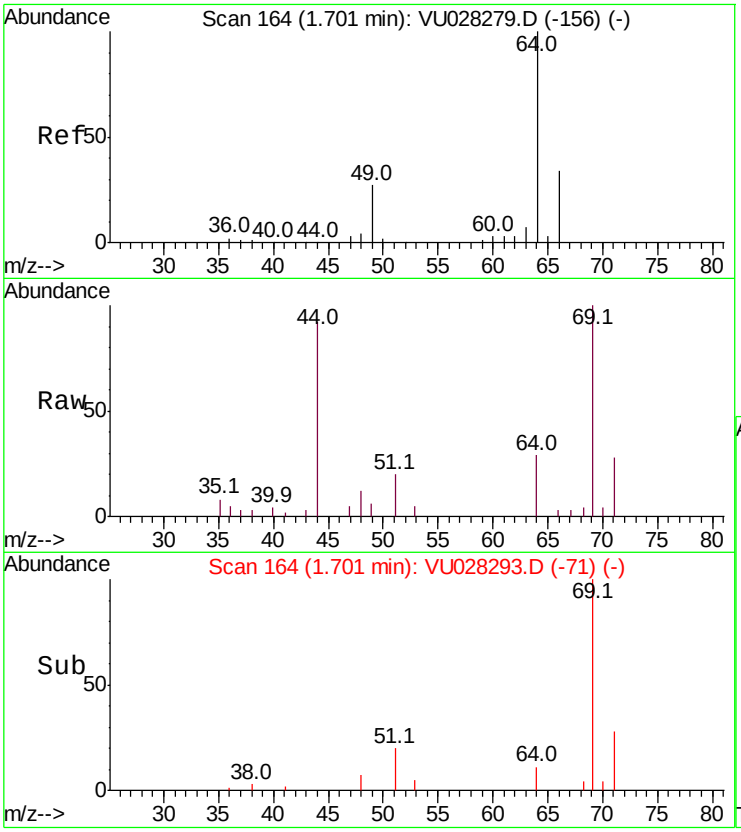
QLast Update : Wed Nov 21 07:07:52 2018
Response via : Initial Calibration



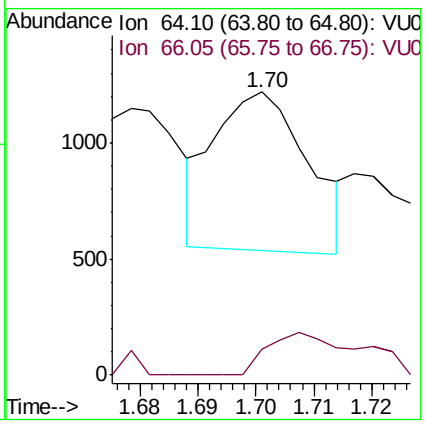


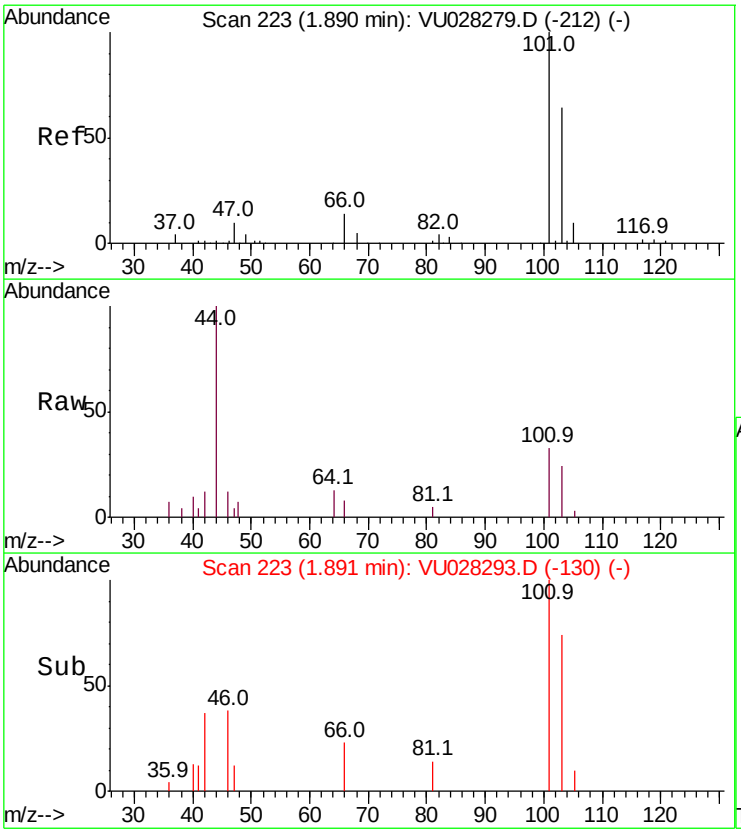
#8
Chloroethane
Concen: 0.106 ug/L
RT: 1.70 min Scan# 164
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 64 Resp: 764

Ion	Ratio	Lower	Upper
64	100		
66	9.0	20.7	38.5#

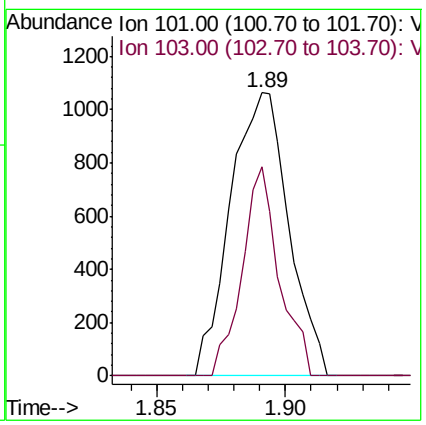


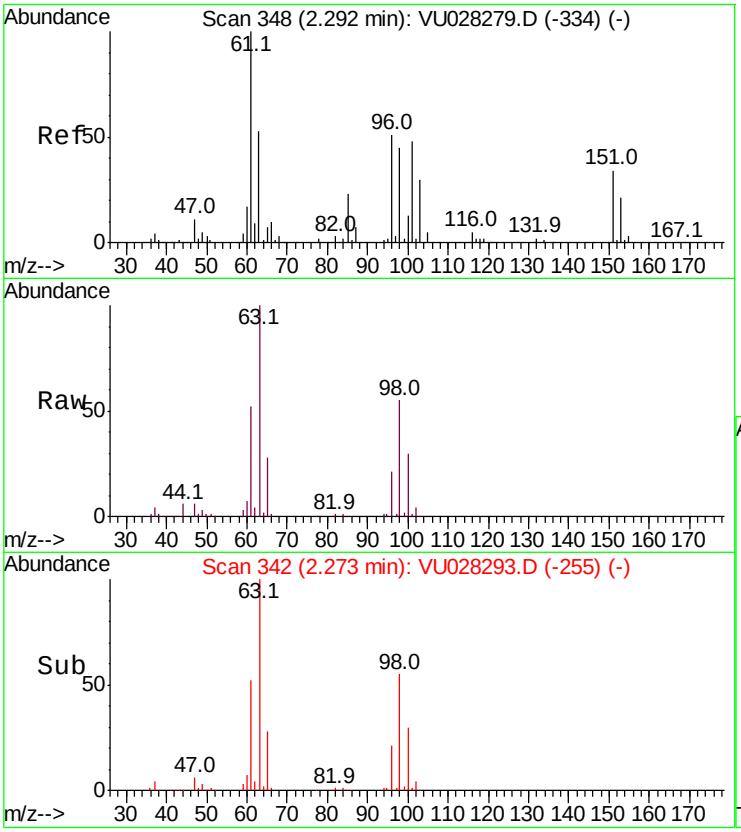


#9
Trichlorofluoromethane
Concen: 0.118 ug/L
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion:101 Resp: 1682

Ion	Ratio	Lower	Upper
101	100		
103	46.9	51.7	77.5#



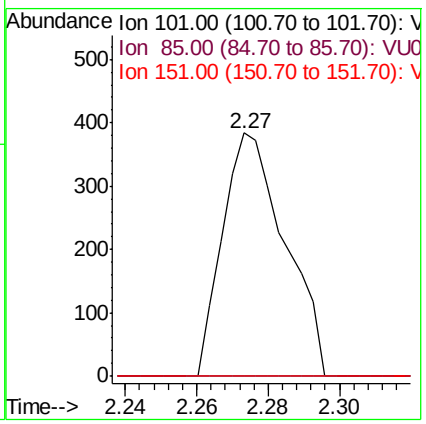


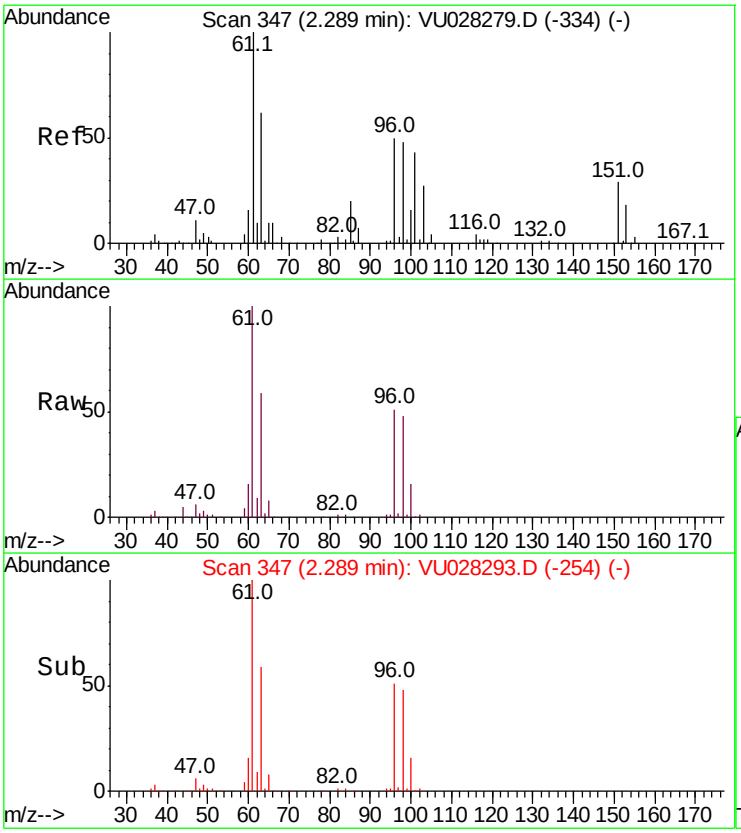
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.059 ug/L
RT: 2.27 min Scan# 342
Delta R.T. -0.02 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion:101 Resp: 463

Ion	Ratio	Lower	Upper
101	100		
85	0.0	37.4	56.2#
151	0.0	55.0	82.4#

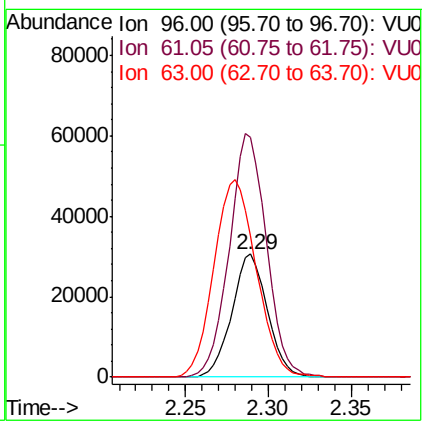


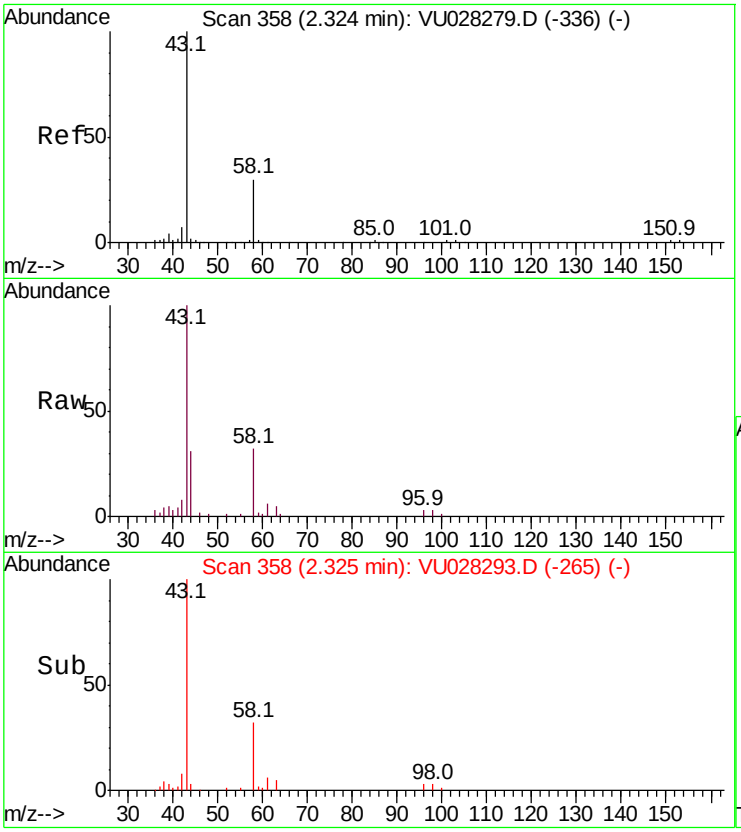


#12
1,1-Dichloroethene
Concen: 6.160 ug/L
RT: 2.29 min Scan# 347
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion: 96 Resp: 45547

Ion	Ratio	Lower	Upper
96	100		
61	194.7	145.5	270.1
63	114.5	98.6	183.2



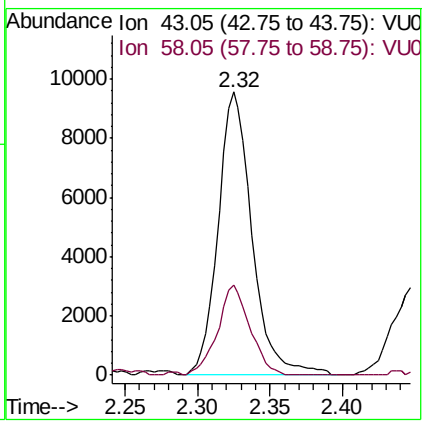


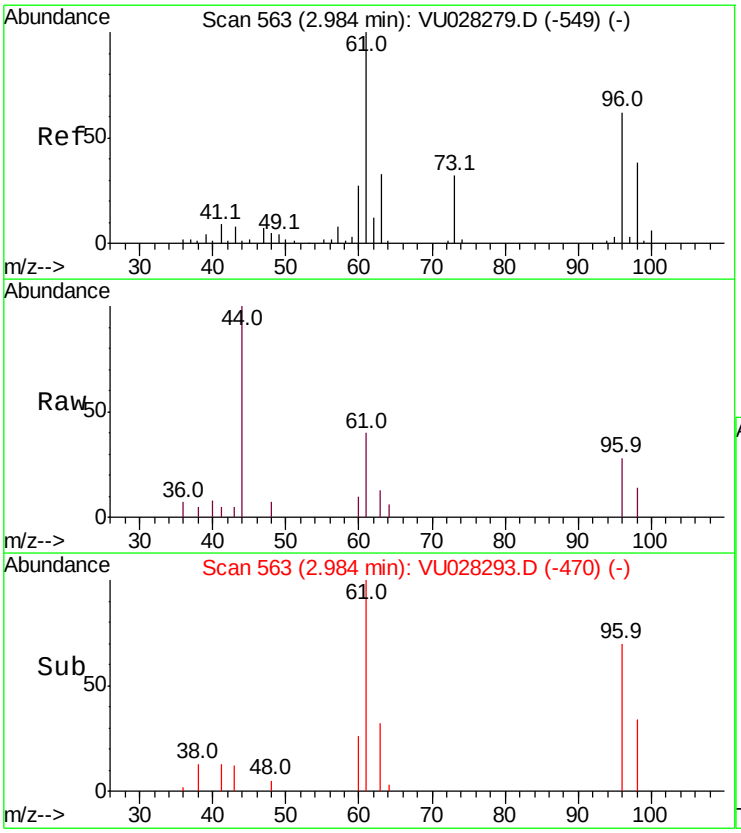
#13
Acetone
Concen: 7.450 ug/L
RT: 2.32 min Scan# 358
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 15498

Ion	Ratio	Lower	Upper
43	100		
58	30.2	0.0	58.6

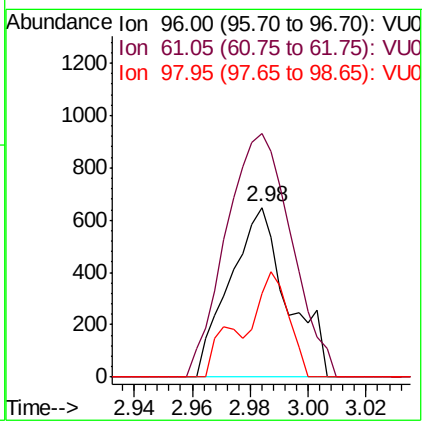


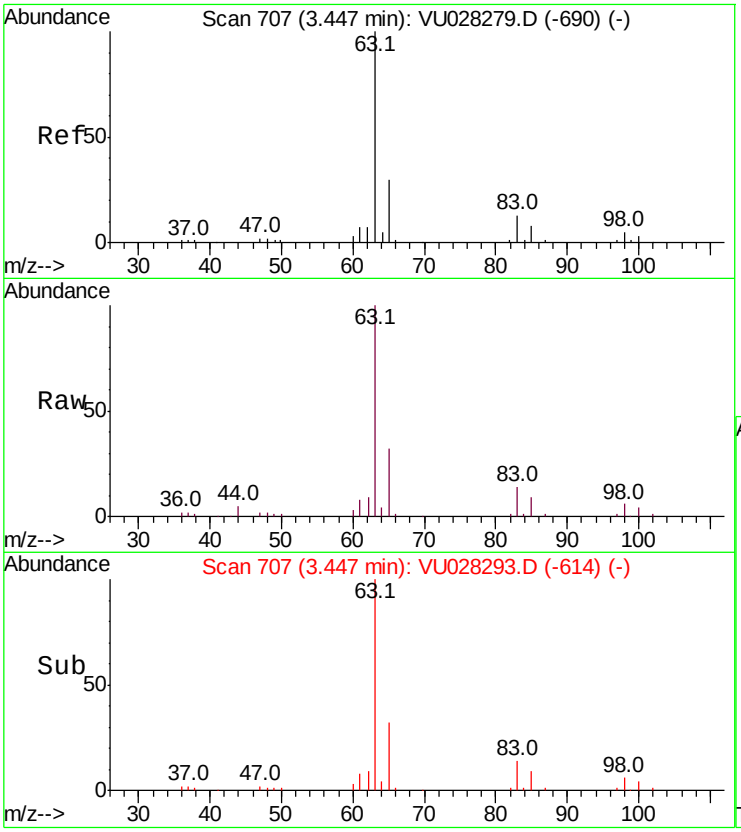


#18
trans-1,2-Dichloroethene
Concen: 0.113 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion: 96 Resp: 891

Ion	Ratio	Lower	Upper
96	100		
61	143.7	122.2	227.0
98	49.2	44.9	83.5



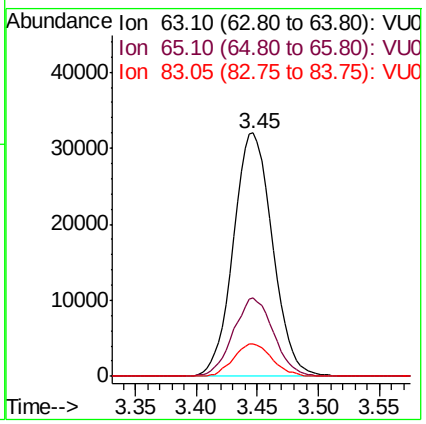


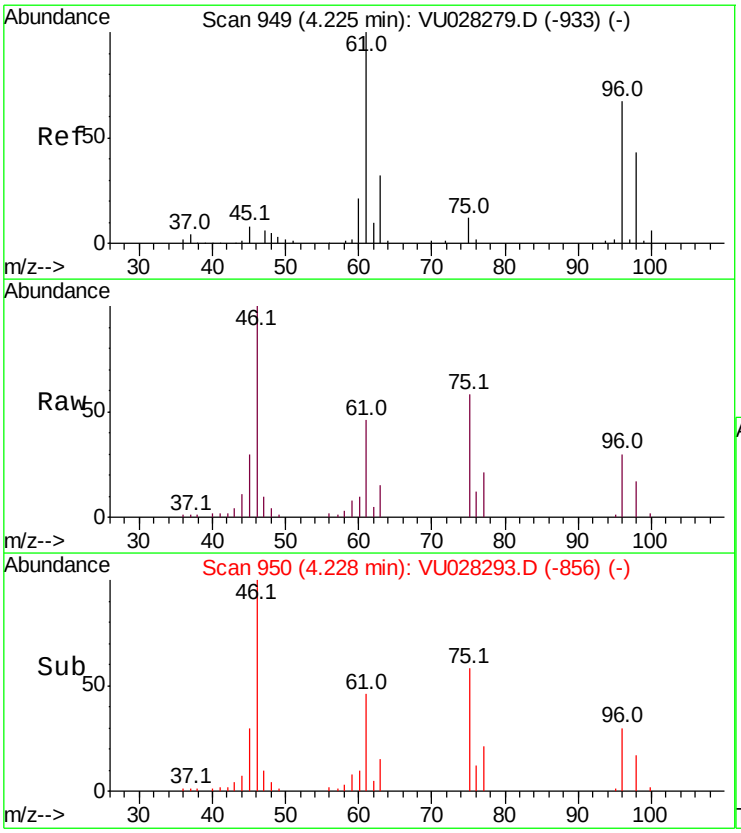
#19
1,1-Dichloroethane
Concen: 3.888 ug/L
RT: 3.45 min Scan# 707
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 63 Resp: 71005

Ion	Ratio	Lower	Upper
63	100		
65	32.2	21.2	39.4
83	13.5	8.8	16.4

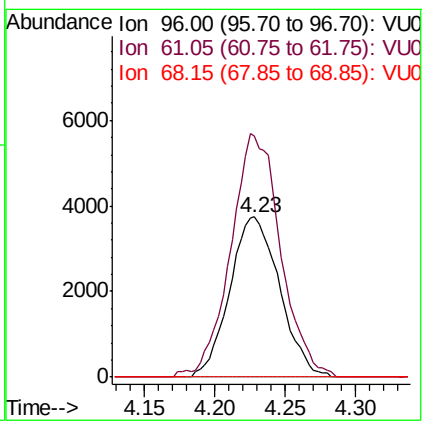


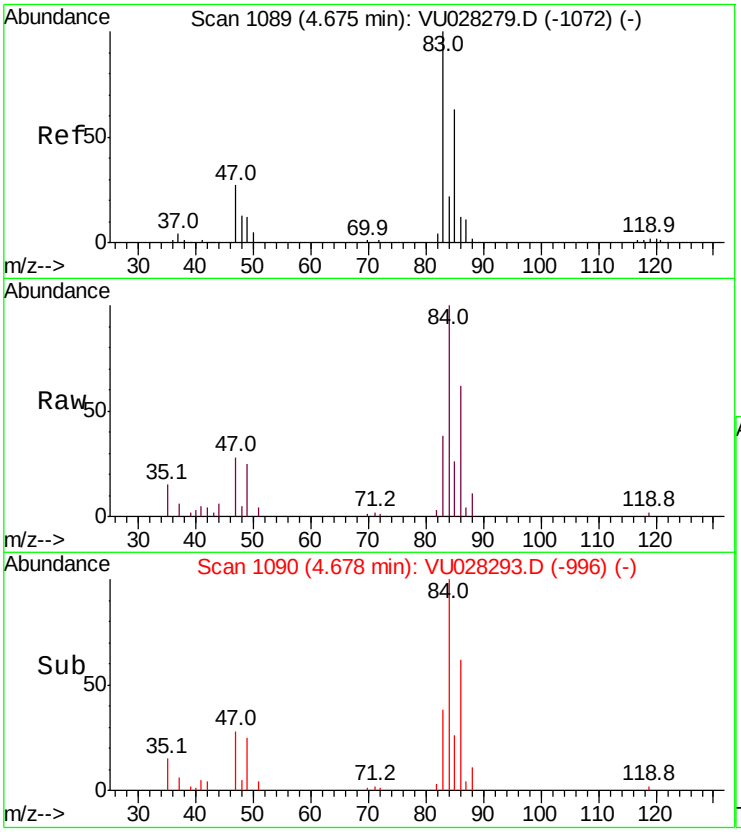


#22
cis-1,2-Dichloroethene
Concen: 0.993 ug/L
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion: 96 Resp: 9243

Ion	Ratio	Lower	Upper
96	100		
61	151.1	108.0	200.6
68	0.0	0.0	0.0



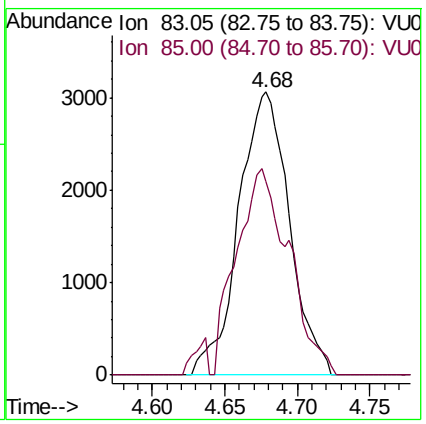


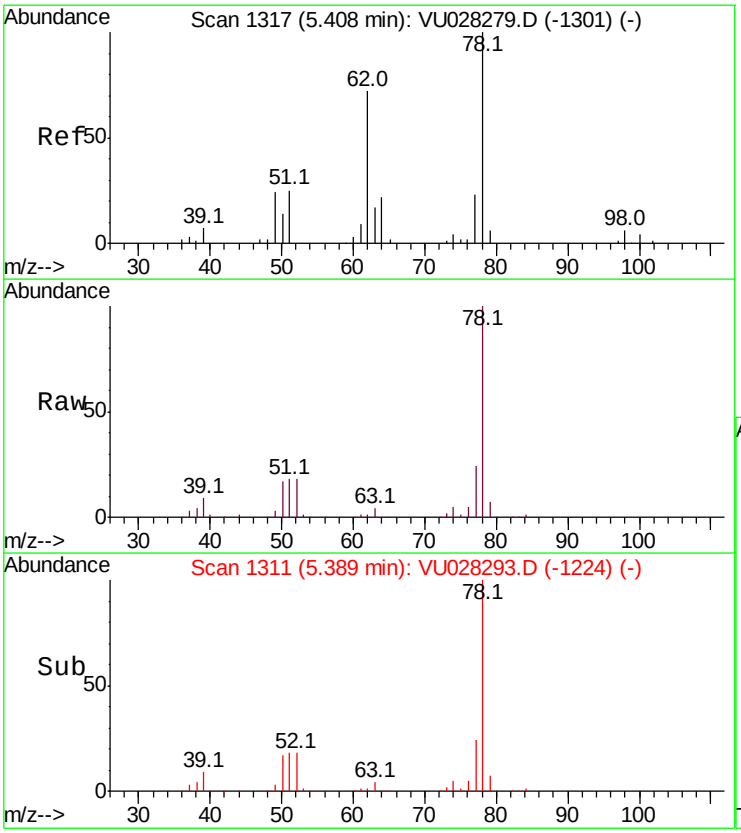
#25
Chloroform
Concen: 0.377 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 7442

Ion	Ratio	Lower	Upper
83	100		
85	68.7	44.6	82.8

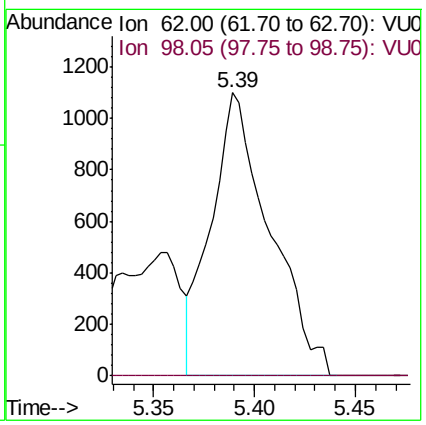


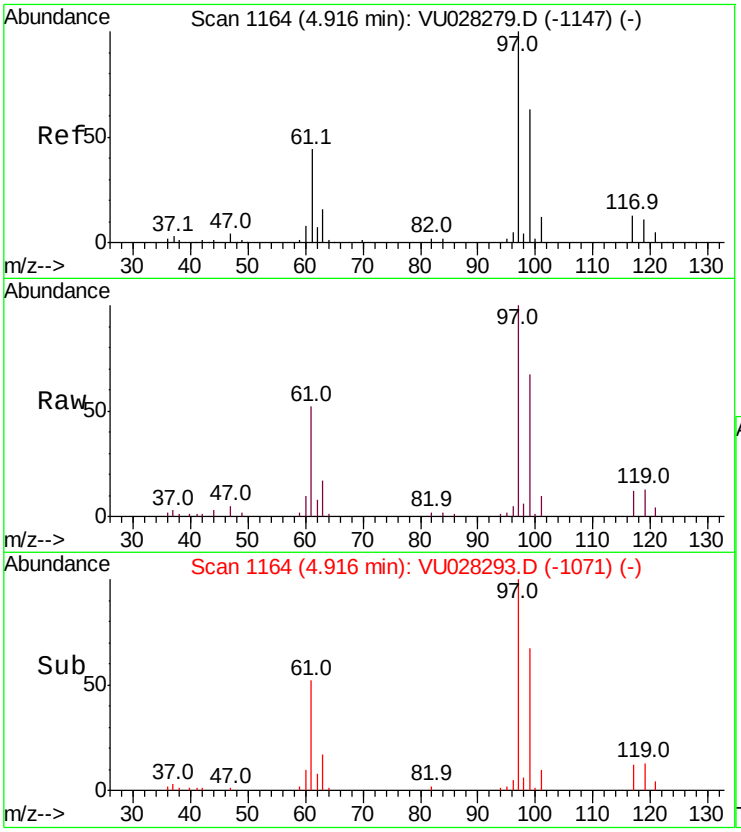


#27
1,2-Dichloroethane
Concen: 0.197 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.02 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion: 62 Resp: 2230

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.2	9.4#



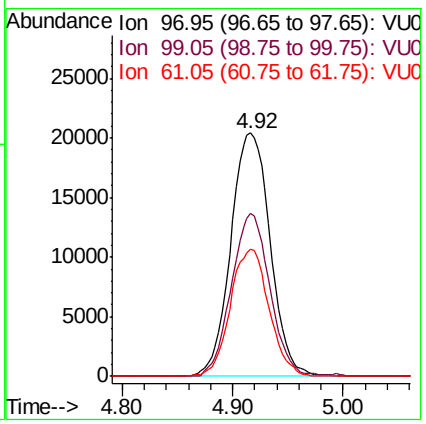


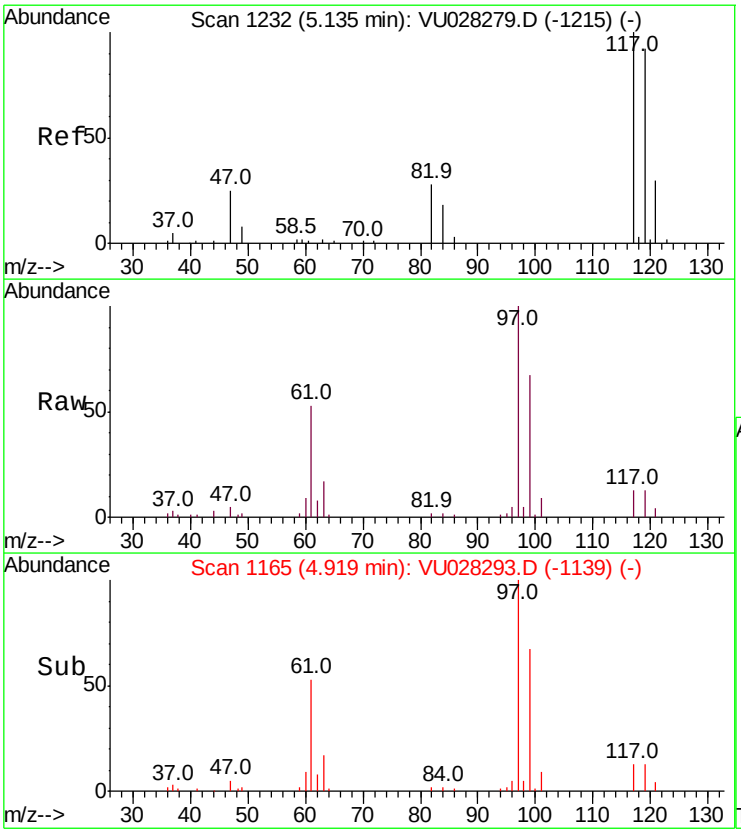
#29
1,1,1-Trichloroethane
Concen: 3.782 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 50460

Ion	Ratio	Lower	Upper
97	100		
99	65.3	50.8	76.2
61	51.0	42.6	64.0

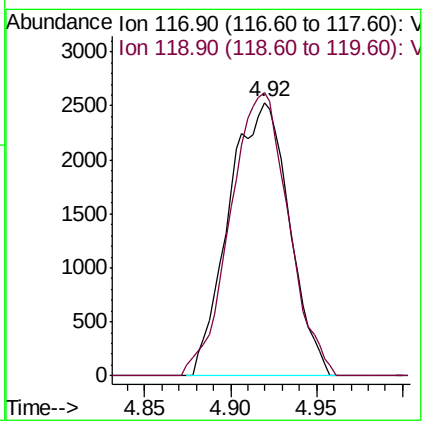


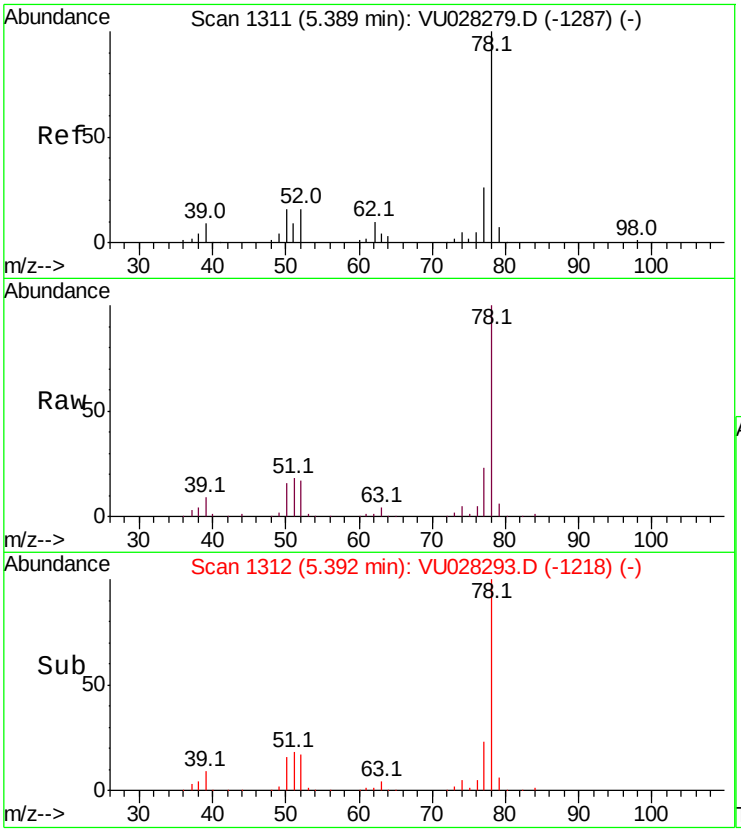


#31
Carbon tetrachloride
Concen: 0.564 ug/L
RT: 4.92 min Scan# 1165
Delta R.T. -0.22 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion:117 Resp: 6178

Ion	Ratio	Lower	Upper
117	100		
119	99.8	75.6	113.4

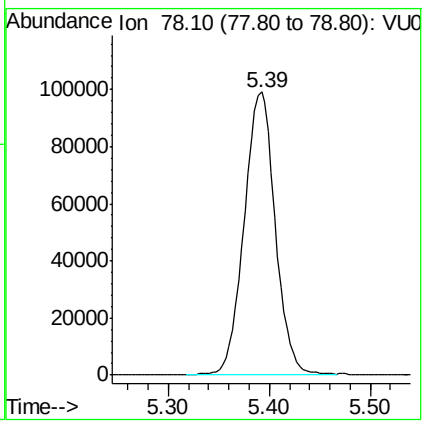


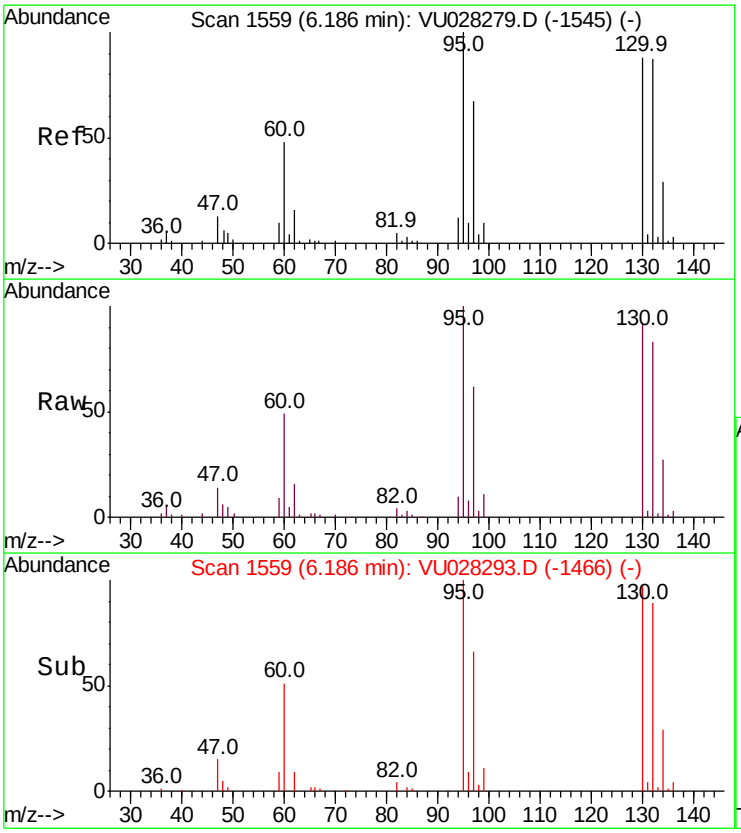


#33
Benzene
Concen: 5.425 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 211831

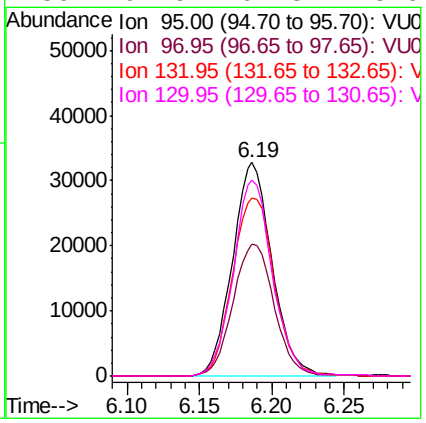


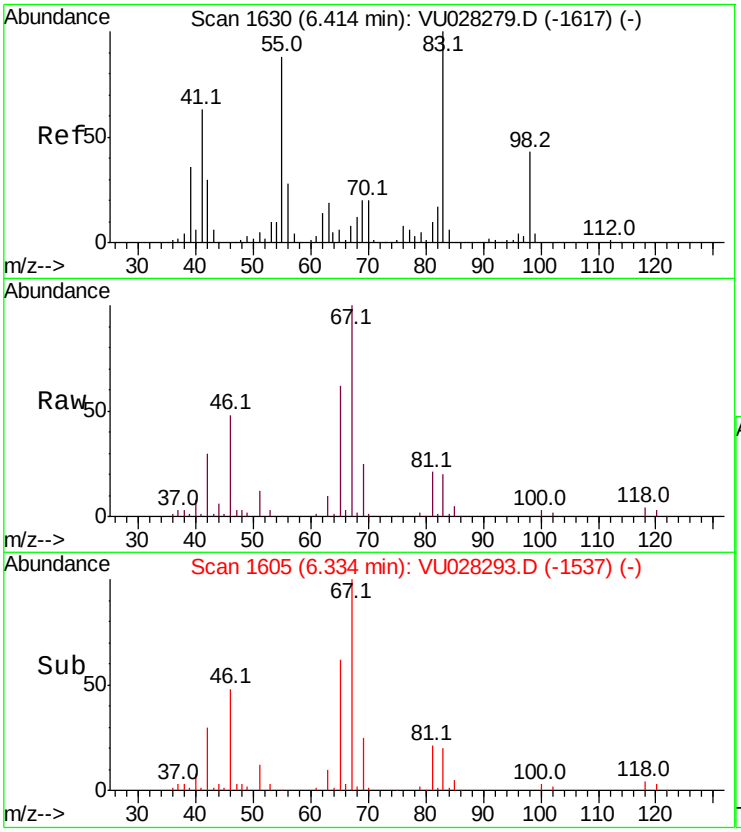


#34
Trichloroethene
Concen: 6.507 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion: 95 Resp: 62201

Ion	Ratio	Lower	Upper
95	100		
97	61.6	46.5	86.3
132	83.4	58.9	109.3
130	91.5	61.3	113.9



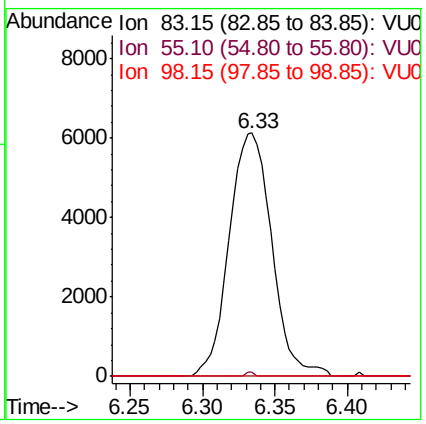


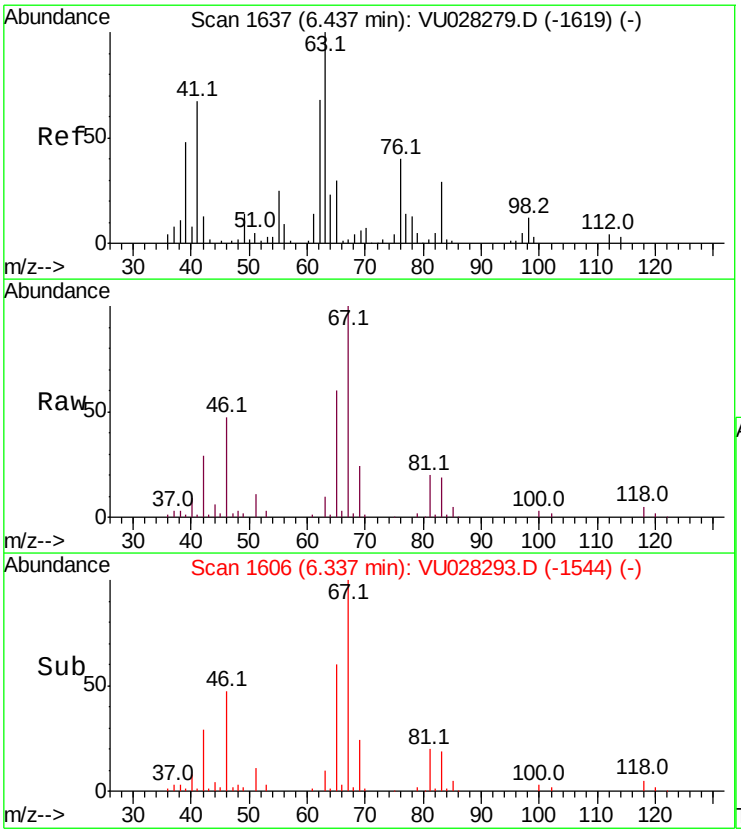
#35
Methylcyclohexane
Concen: 0.832 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 12526

Ion	Ratio	Lower	Upper
83	100		
55	0.4	73.2	109.8#
98	0.0	33.4	50.2#

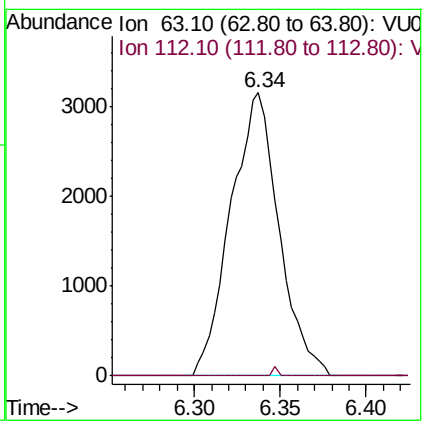


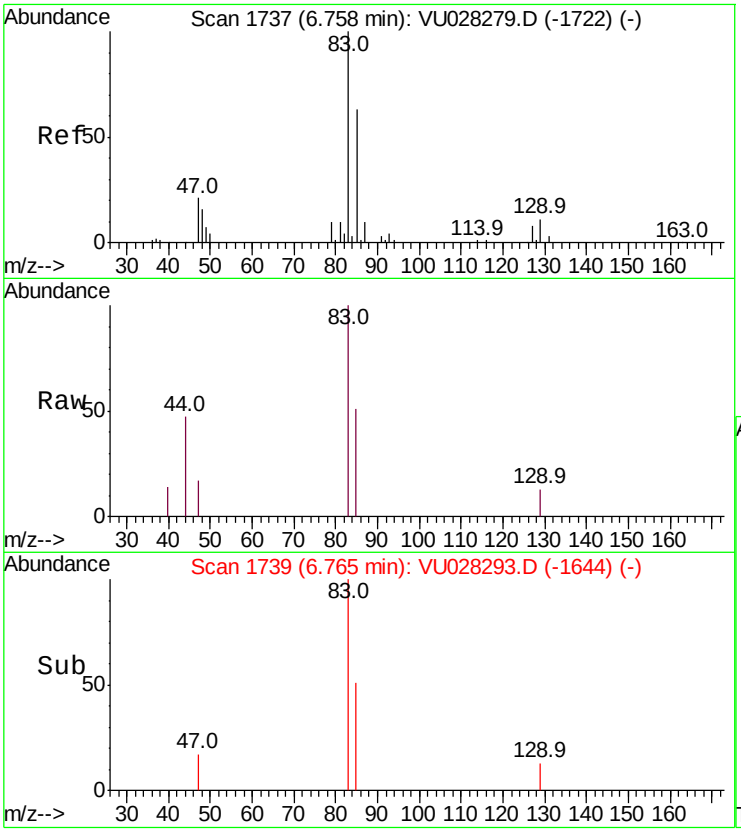


#37
1,2-Dichloropropane
Concen: 0.552 ug/L
RT: 6.34 min Scan# 1606
Delta R.T. -0.10 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion: 63 Resp: 6153

Ion	Ratio	Lower	Upper
63	100		
112	0.3	2.2	3.2#



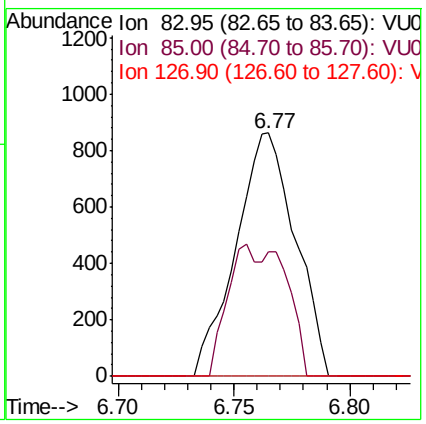


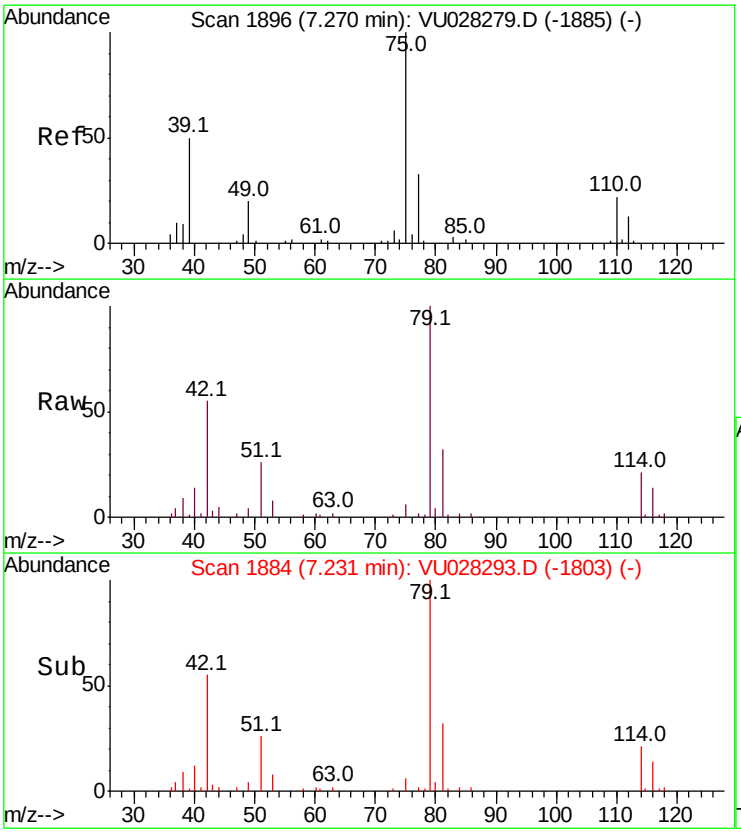
#38
Bromodichloromethane
Concen: 0.126 ug/L
RT: 6.77 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 1535

Ion	Ratio	Lower	Upper
83	100		
85	51.2	44.2	82.0
127	0.0	6.2	9.4#

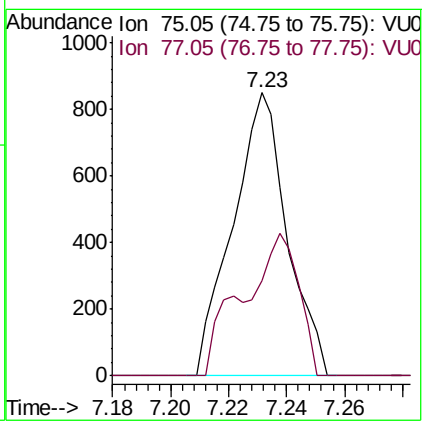


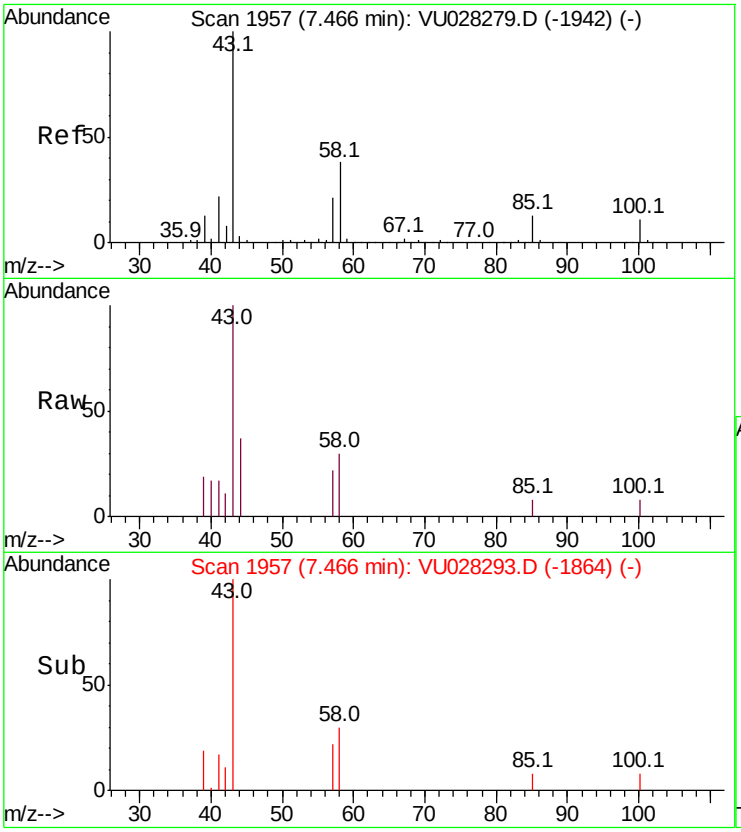


#39
cis-1,3-Dichloropropene
Concen: 0.078 ug/L
RT: 7.23 min Scan# 1884
Delta R.T. -0.04 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion: 75 Resp: 1105

Ion	Ratio	Lower	Upper
75	100		
77	33.4	21.7	40.3



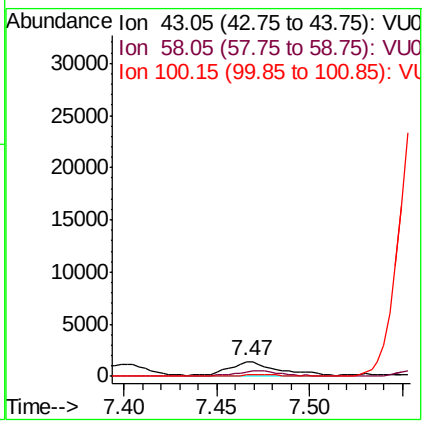


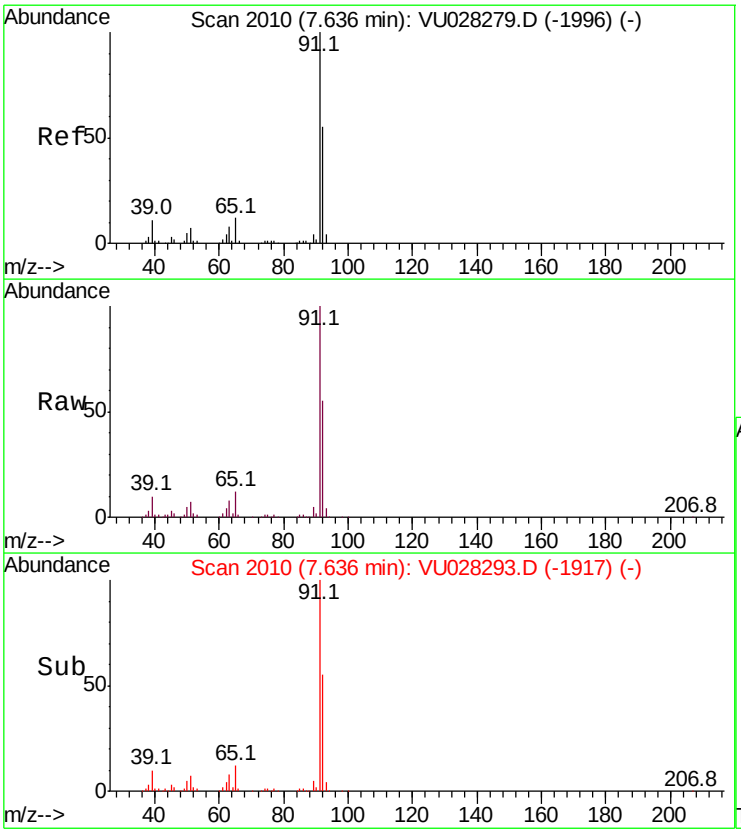
#40
4-Methyl-2-pentanone
Concen: 0.339 ug/L
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 2698

Ion	Ratio	Lower	Upper
43	100		
58	31.6	28.8	43.2
100	0.0	8.0	12.0#

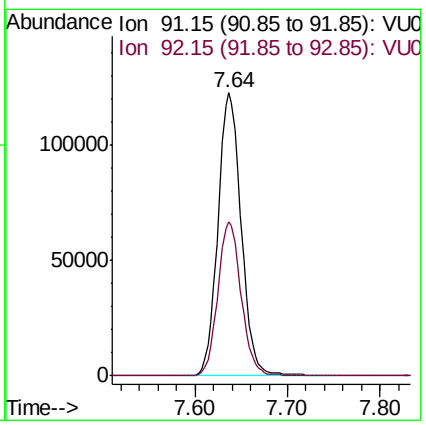


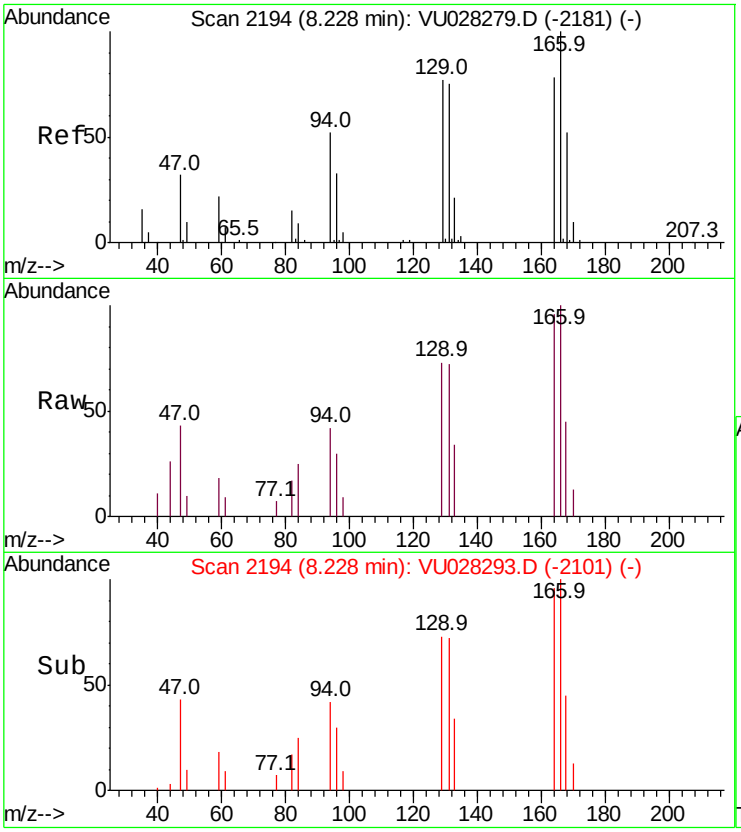


#42
Toluene
Concen: 5.408 ug/L
RT: 7.64 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion: 91 Resp: 214022

Ion	Ratio	Lower	Upper
91	100		
92	54.6	39.0	72.4



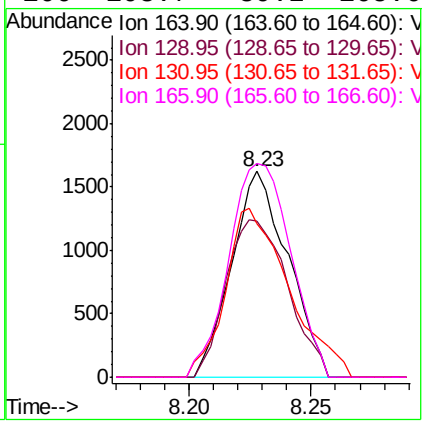


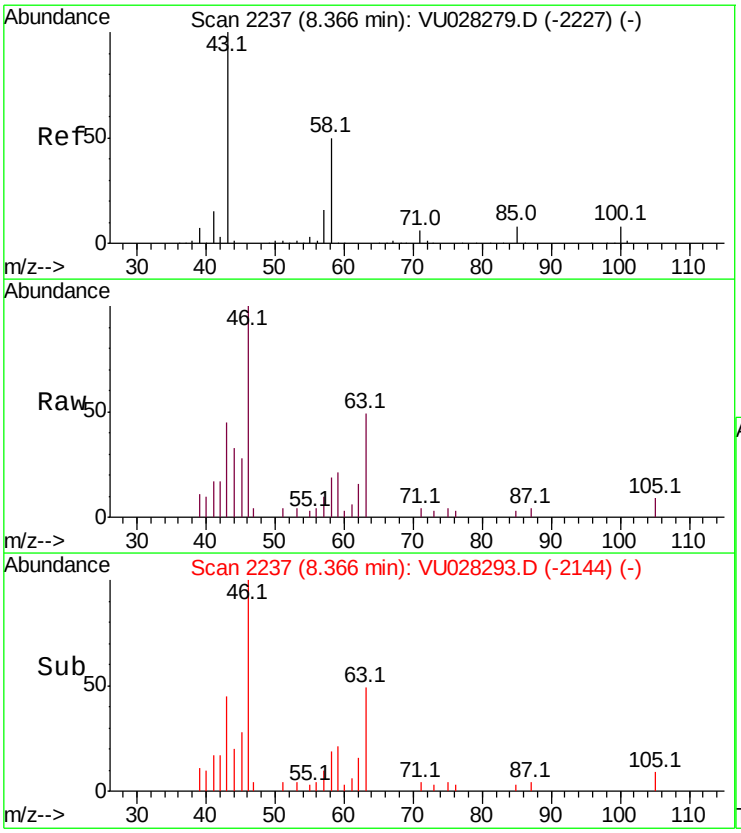
#47
Tetrachloroethene
Concen: 0.393 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:164 Resp: 2606

Ion	Ratio	Lower	Upper
164	100		
129	75.8	67.6	125.6
131	74.8	66.3	123.1
166	103.7	89.2	165.6

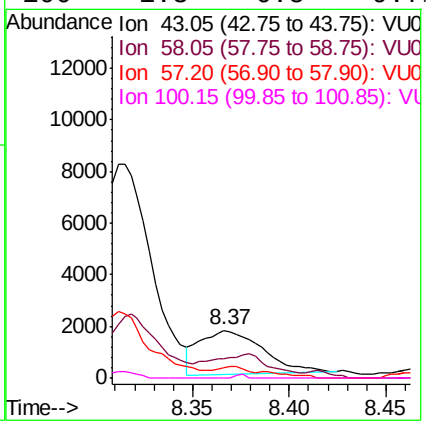


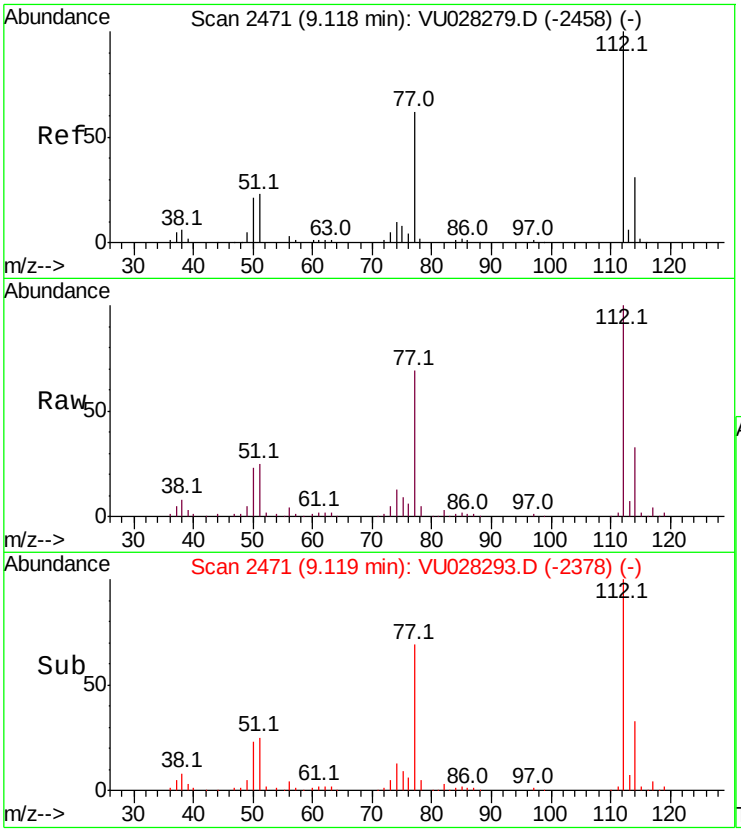


#48
2-Hexanone
Concen: 0.673 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion: 43 Resp: 3821

Ion	Ratio	Lower	Upper
43	100		
58	52.9	41.1	61.7
57	19.5	13.8	20.8
100	1.3	6.5	9.7#



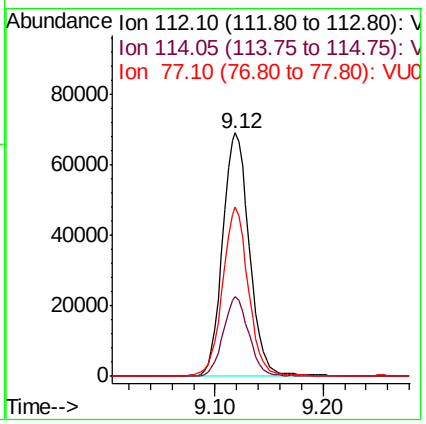


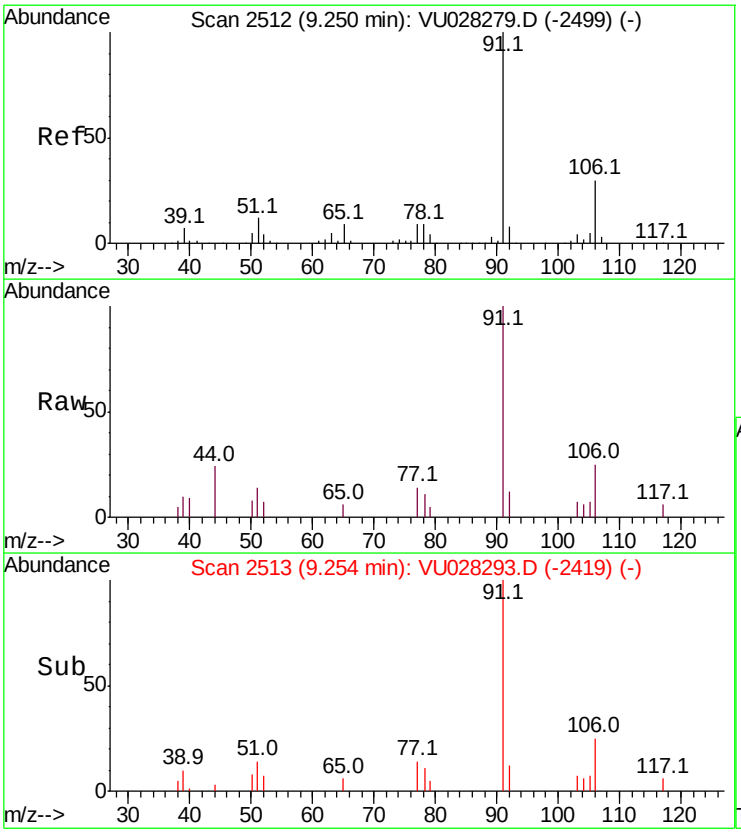
#51
Chlorobenzene
Concen: 5.233 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:112 Resp: 119267

Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.3	41.5
77	69.4	52.4	78.6

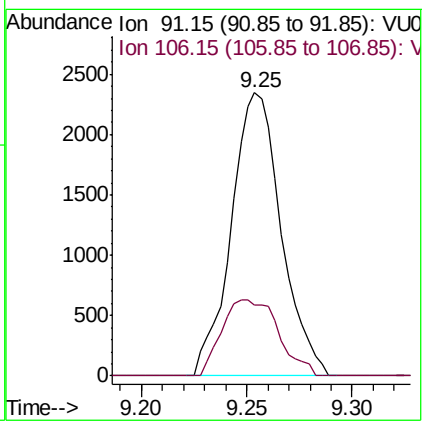


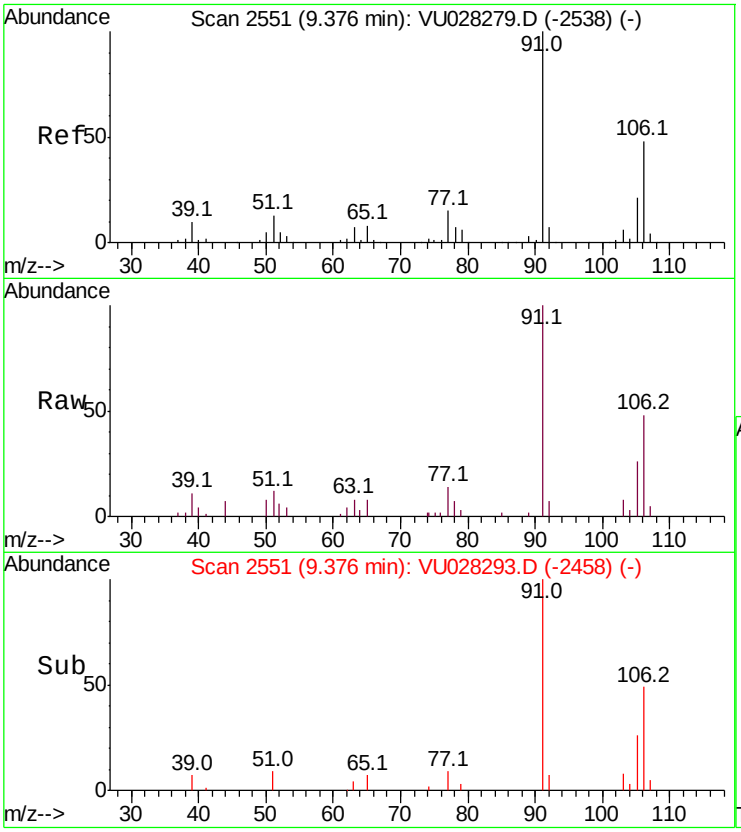


#52
Ethylbenzene
Concen: 0.091 ug/L
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion: 91 Resp: 3859

Ion	Ratio	Lower	Upper
91	100		
106	25.2	19.3	35.9



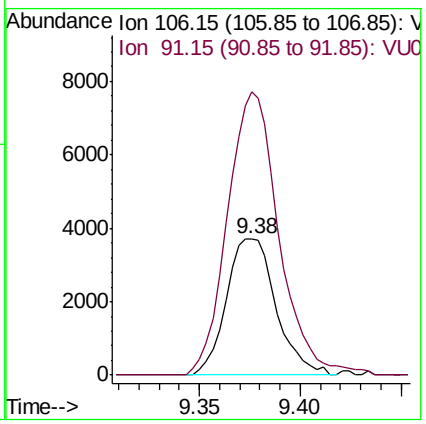


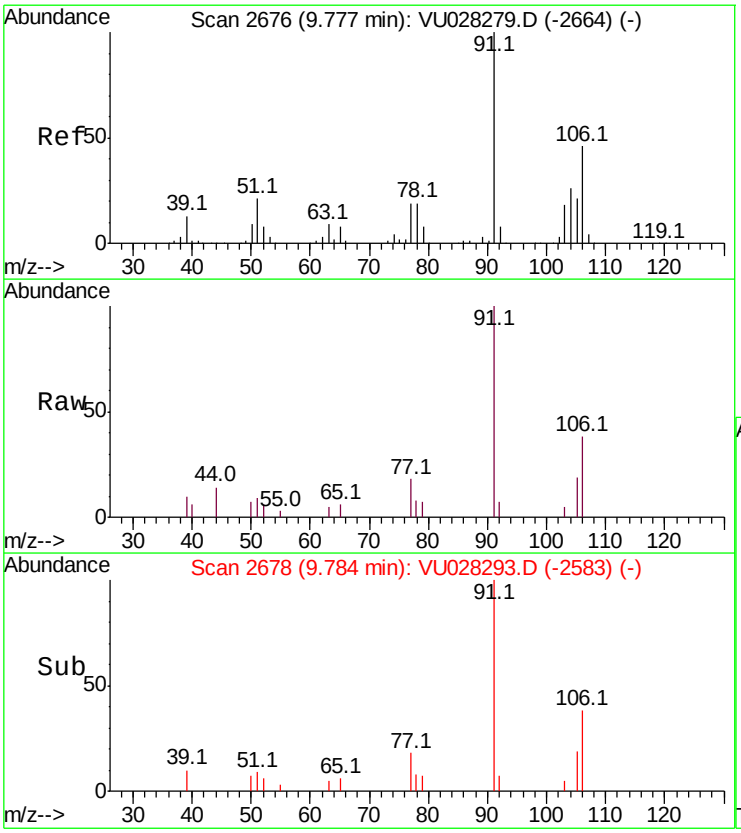
#53
m,p-xylene
Concen: 0.432 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 6385

Ion	Ratio	Lower	Upper
106	100		
91	207.0	150.6	279.6

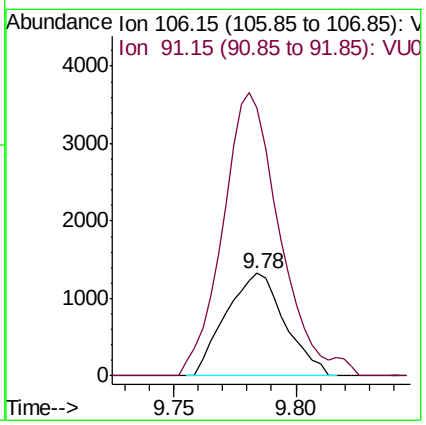


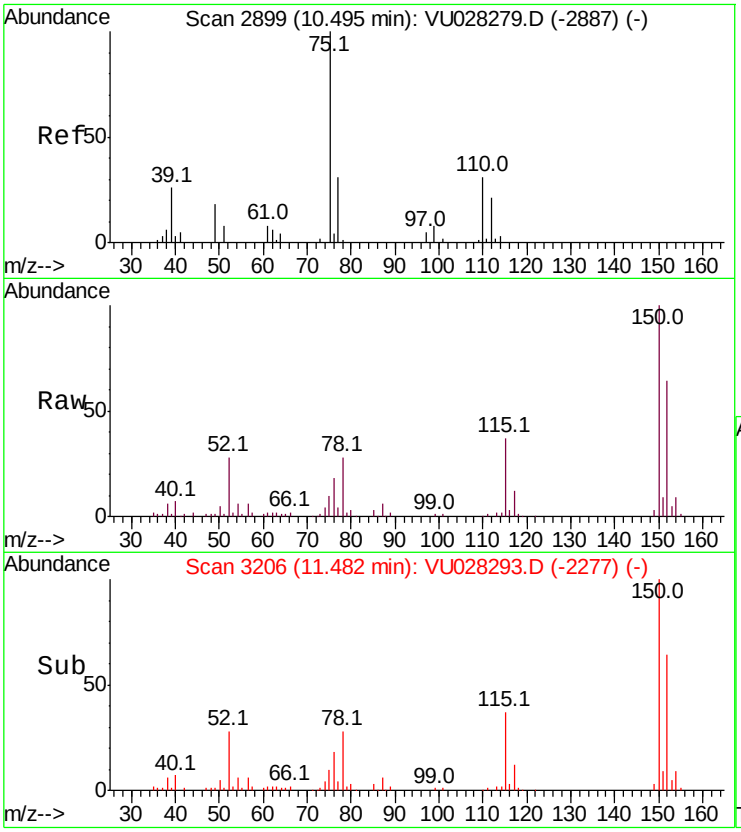


#54
o-xylene
Concen: 0.151 ug/L
RT: 9.78 min Scan# 2678
Delta R.T. 0.01 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion:106 Resp: 2227

Ion	Ratio	Lower	Upper
106	100		
91	260.8	157.5	292.5



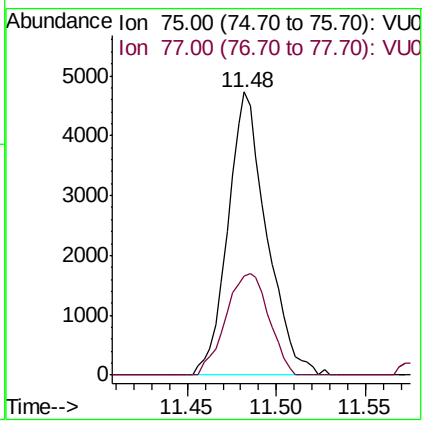


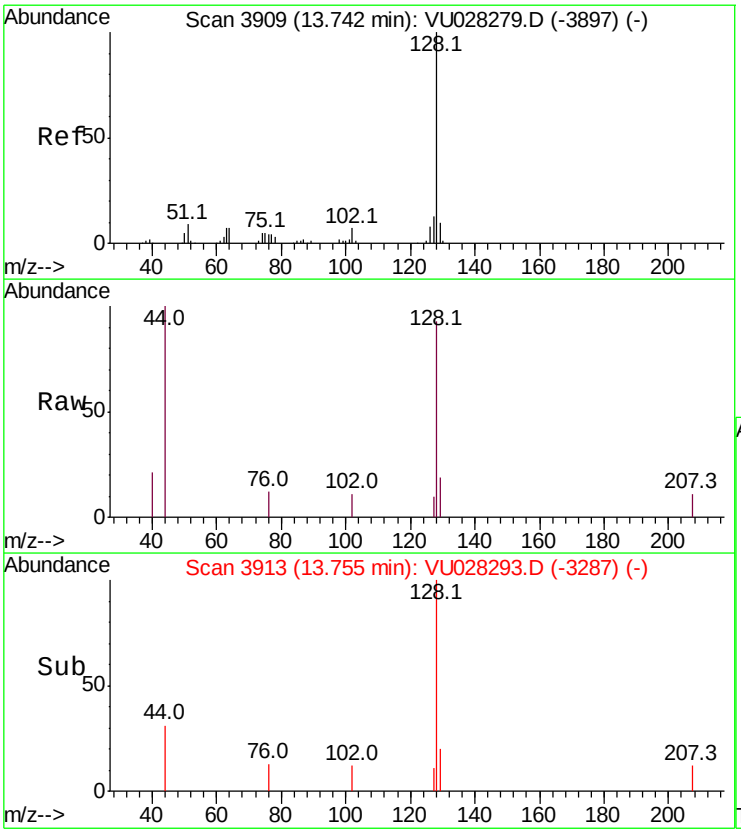
#59
1,2,3-Trichloropropane
Concen: 1.109 ug/L
RT: 11.48 min Scan# 3206
Delta R.T. 0.99 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 7139

Ion	Ratio	Lower	Upper
75	100		
77	39.9	25.7	38.5#





#69
Naphthalene
Concen: 0.104 ug/L
RT: 13.76 min Scan# 3913
Delta R.T. 0.01 min
Lab File: VU028293.D
Acq: 20 Nov 2018 21:20

Tgt Ion:128 Resp: 1835

Ion	Ratio	Lower	Upper
128	100		
129	5.6	8.6	12.8#
127	4.9	10.7	16.1#