Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028294.D
Acq On : 20 Nov 2018 21:44
Operator : MD/SY
Sample : J5997-12MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: Nov 21 07:12:28 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	129268	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	127232	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54797	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	36852	3.79	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 75.80%			
7) Chloroethane-d5	1.68	69	38728	4.61	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 92.20%			
11) 1,1-Dichloroethene-d2	2.28	63	88860	4.59	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 91.80%			
20) 2-Butanone-d5	4.20	46	172947	53.13	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 106.26%			
24) Chloroform-d	4.65	84	87067	4.80	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.00%			
26) 1,2-Dichloroethane-d4	5.31	65	48715	4.86	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 97.20%			
32) Benzene-d6	5.34	84	164870	4.50	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 90.00%			
36) 1,2-Dichloropropane-d6	6.33	67	64181	4.83	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 96.60%			
41) Toluene-d8	7.57	98	141114	4.31	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 86.20%			
43) trans-1,3-Dichloropropene-	7.85	79	16957	3.99	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 79.80%			
46) 2-Hexanone-d5	8.31	63	119911	47.07	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 94.14%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	47376	4.93	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 98.60%			
64) 1,2-Dichlorobenzene-d4	11.86	152	51115	5.02	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 100.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.30	85	1310	0.121	ug/L	97
8) Chloroethane	1.70	64	1050	0.135	ug/L #	45
9) Trichlorofluoromethane	1.89	101	1393	0.091	ug/L #	64
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	748	0.089	ug/L #	21
12) 1,1-Dichloroethene	2.29	96	46439	5.835	ug/L	91
13) Acetone	2.32	43	20804	9.293	ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	920	0.109	ug/L	90
19) 1,1-Dichloroethane	3.45	63	73300	3.729	ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	9118	0.910	ug/L	97
25) Chloroform	4.68	83	7446	0.350	ug/L	100
27) 1,2-Dichloroethane	5.39	62	2191	0.180	ug/L #	78
29) 1,1,1-Trichloroethane	4.92	97	51587	3.597	ug/L	97
31) Carbon tetrachloride	4.91	117	6912	0.587	ug/L	93
33) Benzene	5.39	78	214286	5.105	ug/L	100
34) Trichloroethene	6.19	95	65504	6.374	ug/L	95
35) Methylcyclohexane	6.33	83	12352	0.763	ug/L #	13
37) 1,2-Dichloropropane	6.33	63	6834	0.570	ug/L #	92

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
Data File : VU028294.D
Acq On : 20 Nov 2018 21:44
Operator : MD/SY
Sample : J5997-12MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId :

Quant Time: Nov 21 07:12:28 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)
38) Bromodichloromethane	6.76	83	1558	0.119 ug/L #	82
39) cis-1,3-Dichloropropene	7.23	75	1334	0.088 ug/L #	80
40) 4-Methyl-2-pentanone	7.47	43	2717	0.317 ug/L #	93
42) Toluene	7.64	91	219175	5.151 ug/L	99
47) Tetrachloroethene	8.23	164	2465	0.346 ug/L	93
48) 2-Hexanone	8.37	43	3632	0.595 ug/L #	86
51) Chlorobenzene	9.12	112	126390	5.158 ug/L	99
52) Ethylbenzene	9.25	91	4018	0.088 ug/L	91
53) m,p-xylene	9.37	106	6220	0.392 ug/L	93
54) o-xylene	9.78	106	2611	0.165 ug/L	91
59) 1,2,3-Trichloropropane	11.48	75	8158	1.179 ug/L	96
69) Naphthalene	13.76	128	1775	0.094 ug/L #	80

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

Quantitation Report (Not Reviewed)

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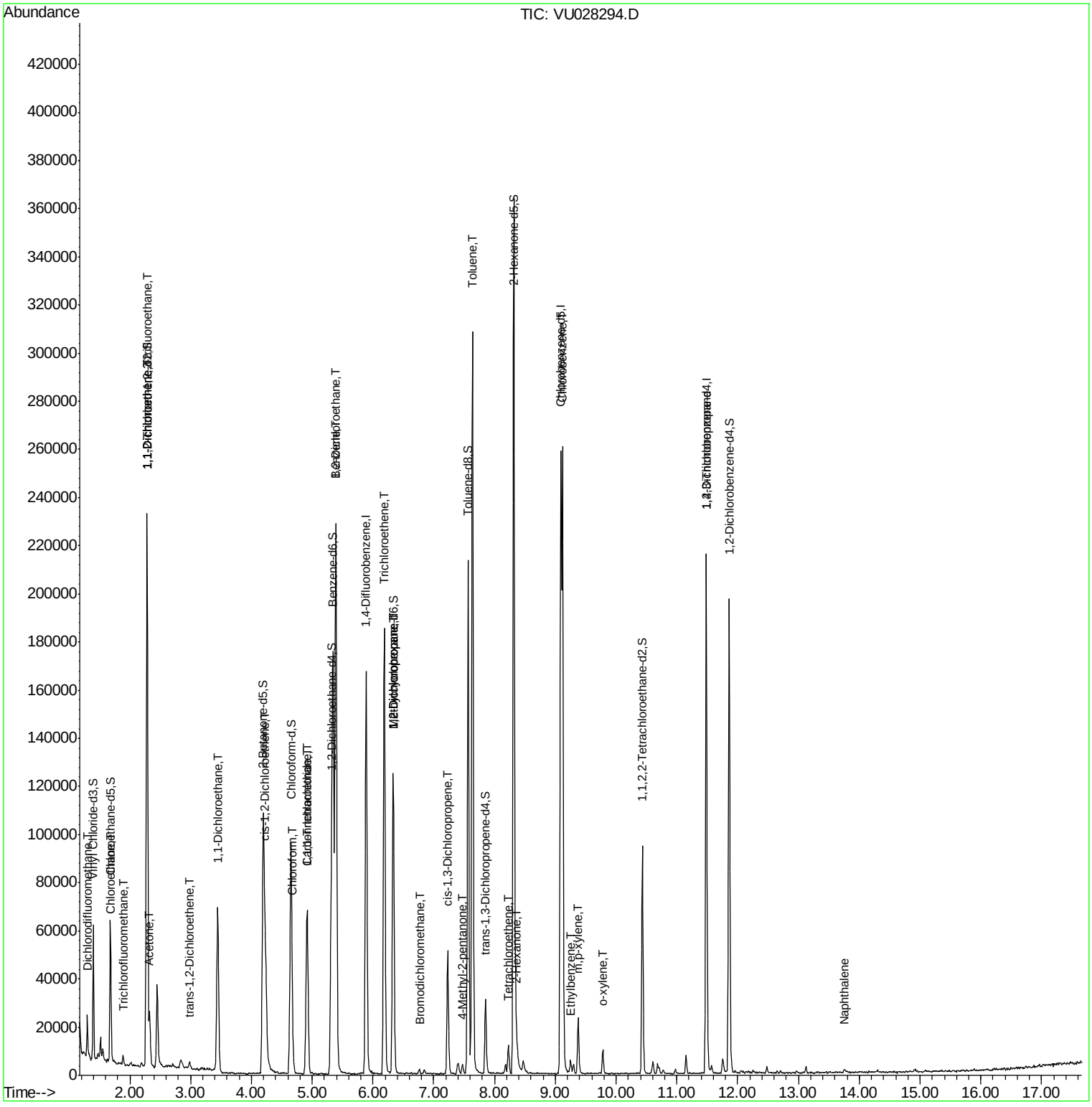
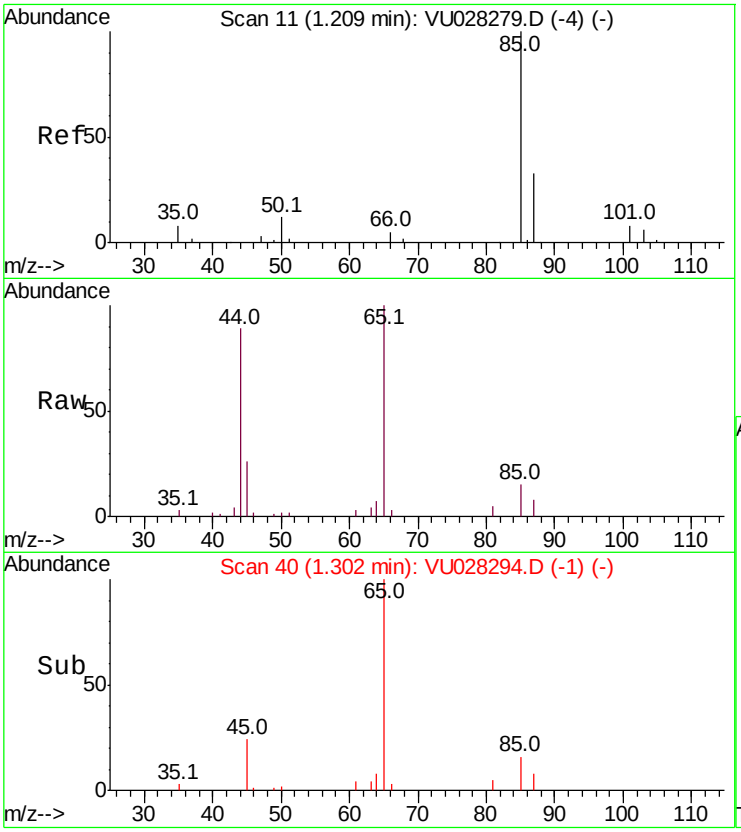
QLast Update : Wed Nov 21 07:07:52 2018
Response via : Initial Calibration



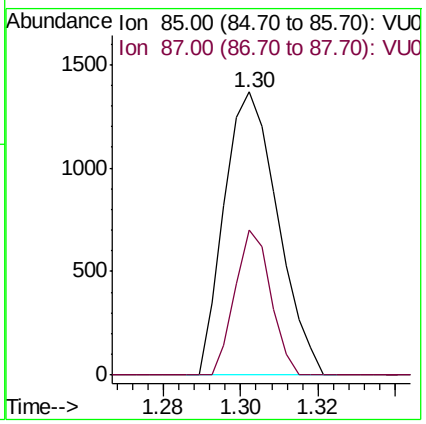


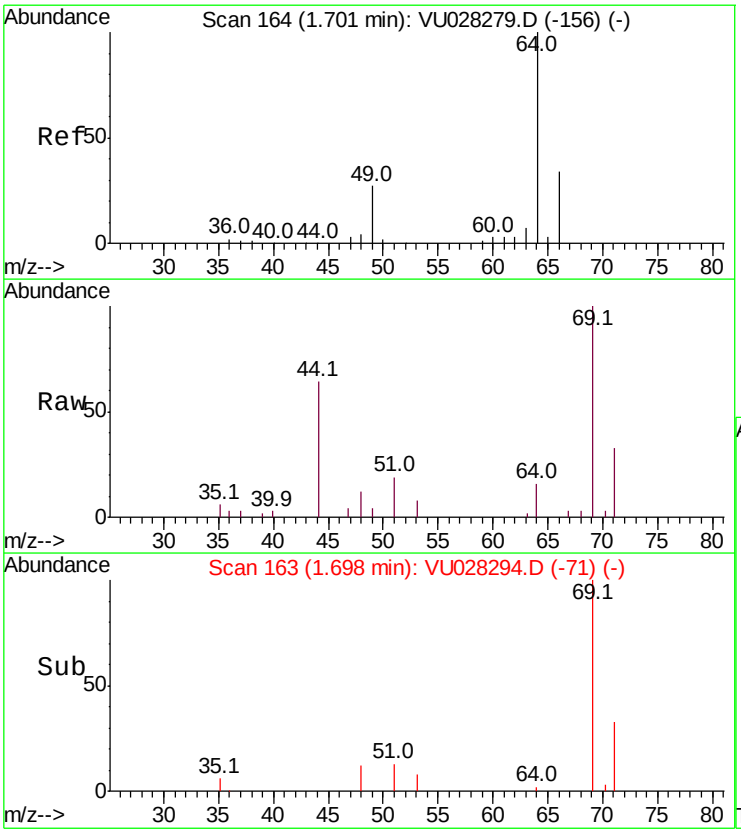
#2
Dichlorodifluoromethane
Concen: 0.121 ug/L
RT: 1.30 min Scan# 40
Delta R.T. 0.09 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 85 Resp: 1310

Ion	Ratio	Lower	Upper
85	100		
87	34.2	25.9	38.9

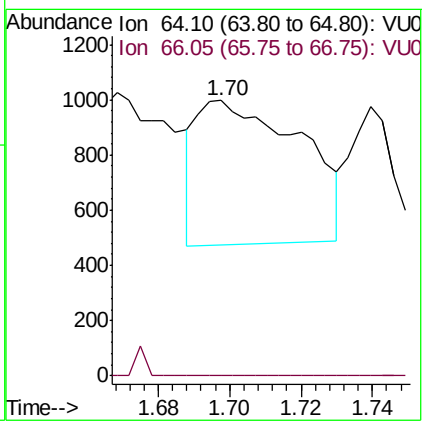


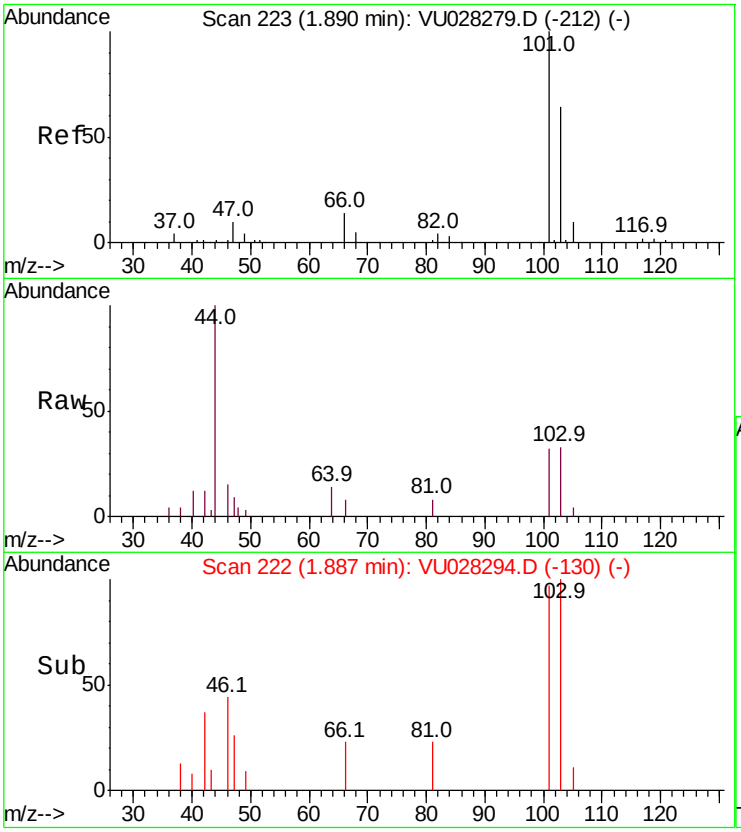


#8
Chloroethane
Concen: 0.135 ug/L
RT: 1.70 min Scan# 163
Delta R.T. -0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion: 64 Resp: 1050

Ion	Ratio	Lower	Upper
64	100		
66	0.0	20.7	38.5#



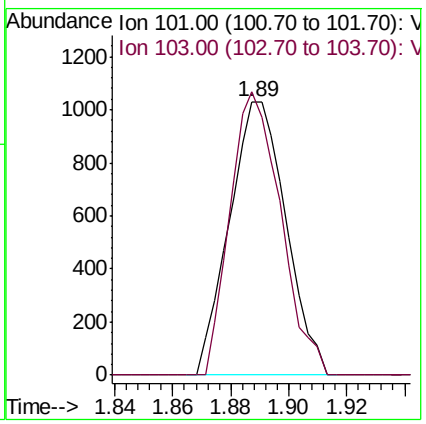


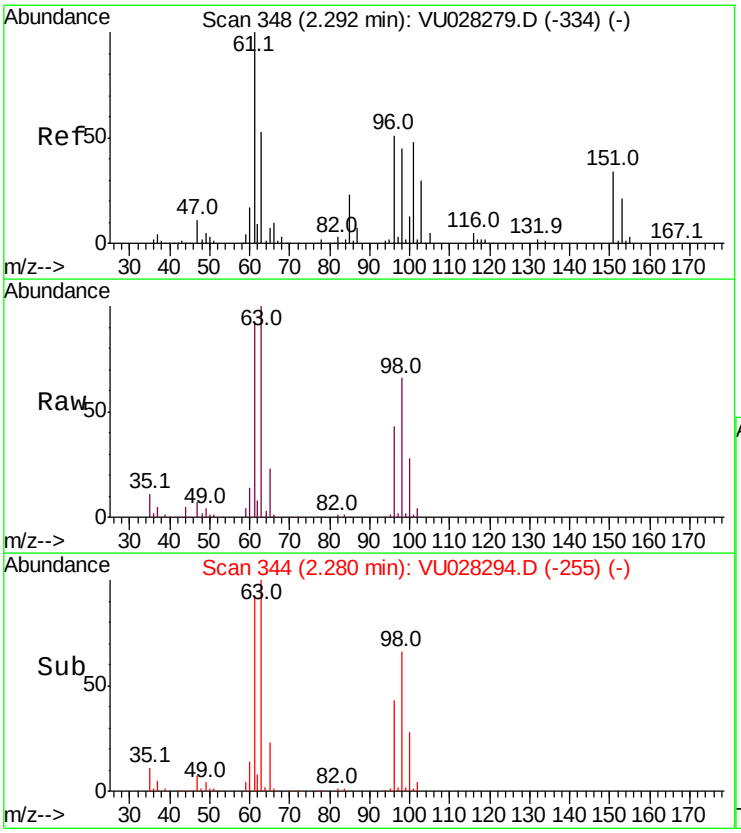
#9
Trichlorofluoromethane
Concen: 0.091 ug/L
RT: 1.89 min Scan# 222
Delta R.T. -0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:101 Resp: 1393

Ion	Ratio	Lower	Upper
101	100		
103	92.8	51.7	77.5#

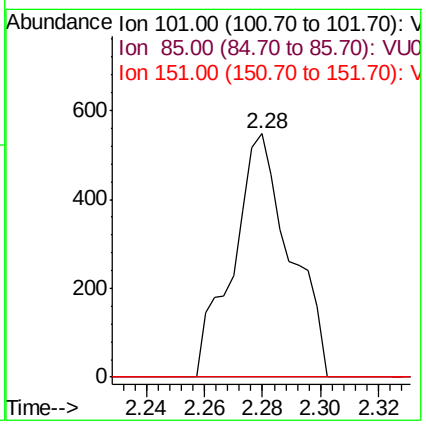


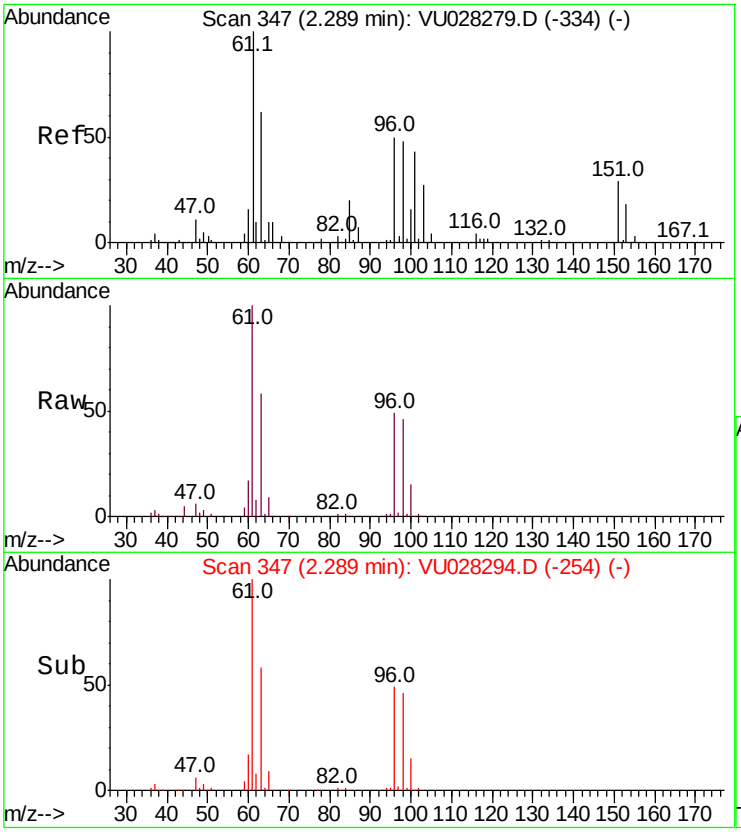


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.089 ug/L
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion:101 Resp: 748

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



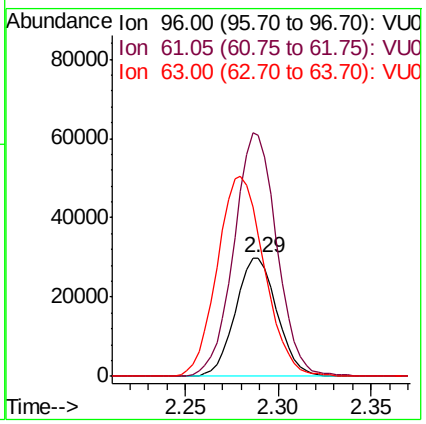


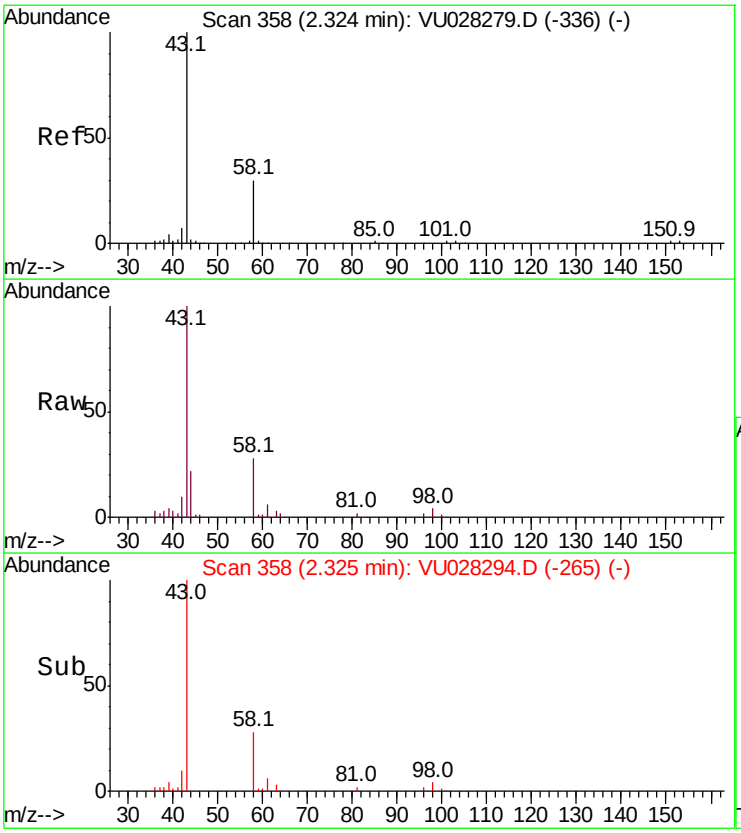
#12
1,1-Dichloroethene
Concen: 5.835 ug/L
RT: 2.29 min Scan# 347
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 46439

Ion	Ratio	Lower	Upper
96	100		
61	203.2	145.5	270.1
63	118.8	98.6	183.2

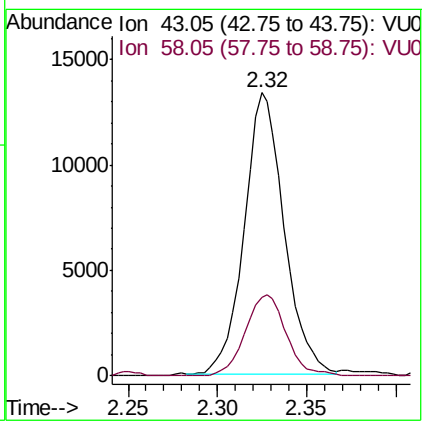


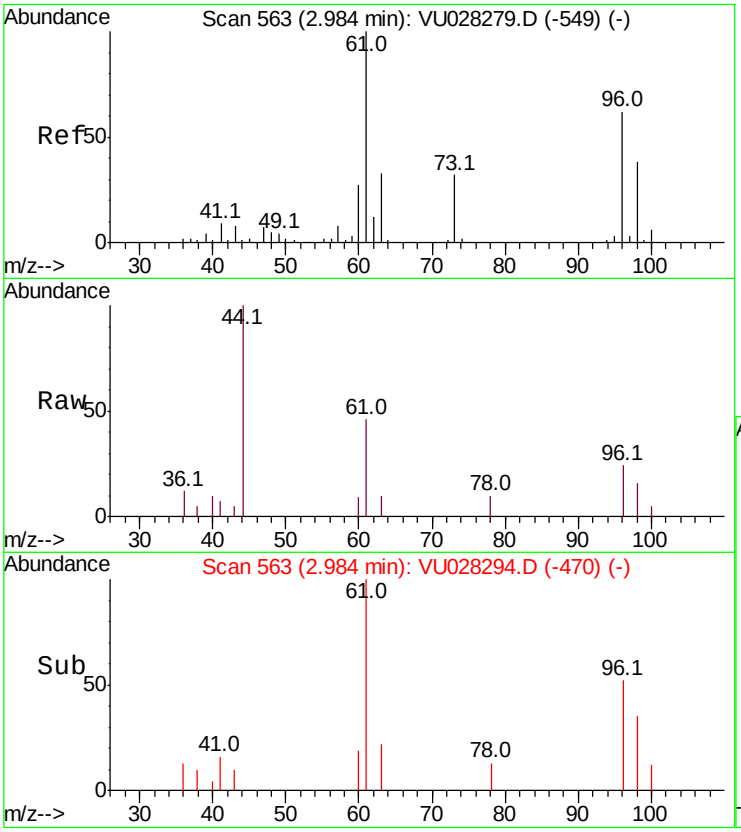


#13
Acetone
Concen: 9.293 ug/L
RT: 2.32 min Scan# 358
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion: 43 Resp: 20804

Ion	Ratio	Lower	Upper
43	100		
58	29.8	0.0	58.6



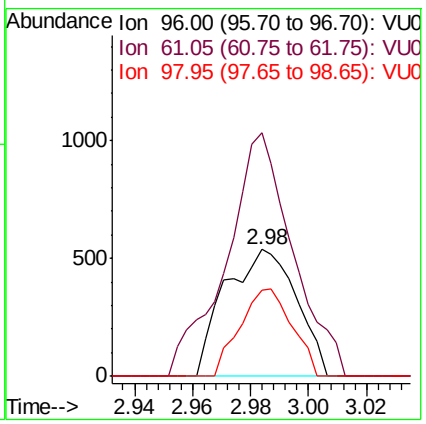


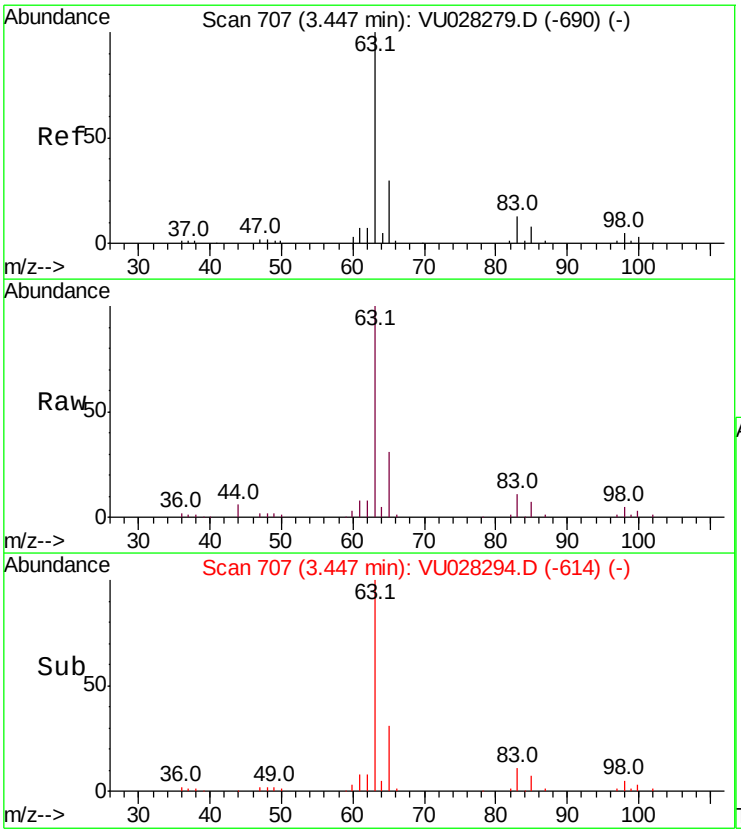
#18
trans-1,2-Dichloroethene
Concen: 0.109 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 920

Ion	Ratio	Lower	Upper
96	100		
61	191.7	122.2	227.0
98	67.7	44.9	83.5

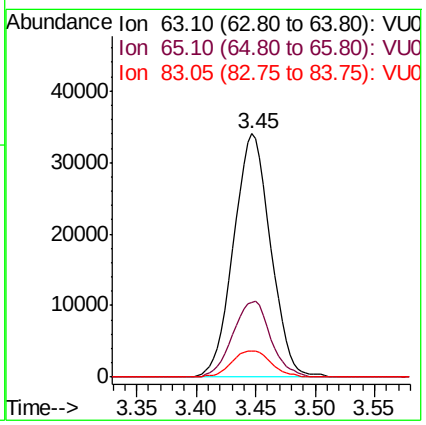


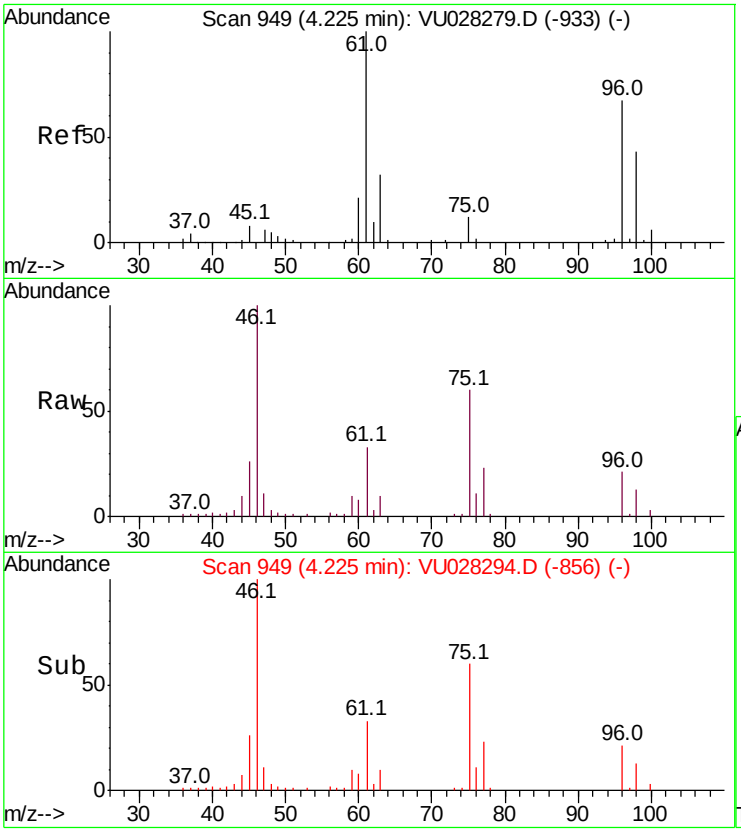


#19
1,1-Dichloroethane
Concen: 3.729 ug/L
RT: 3.45 min Scan# 707
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion: 63 Resp: 73300

Ion	Ratio	Lower	Upper
63	100		
65	30.9	21.2	39.4
83	10.8	8.8	16.4



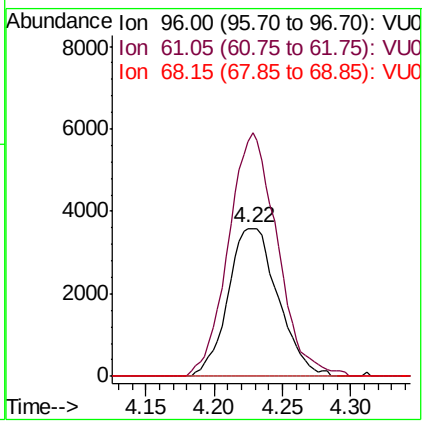


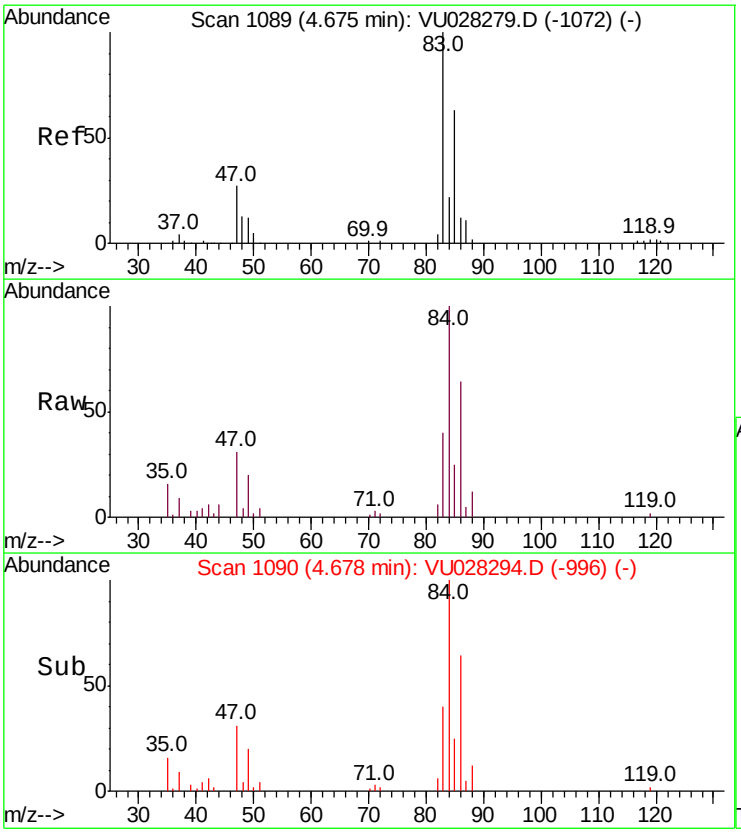
#22
cis-1,2-Dichloroethene
Concen: 0.910 ug/L
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 96 Resp: 9118

Ion	Ratio	Lower	Upper
96	100		
61	158.3	108.0	200.6
68	0.0	0.0	0.0

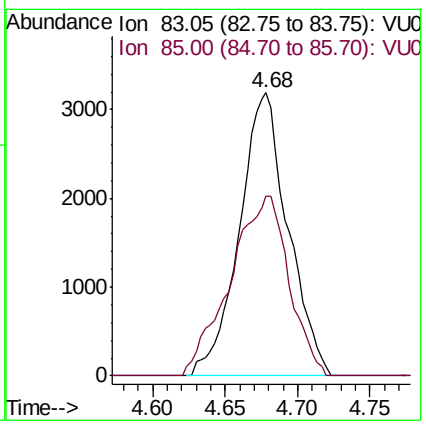


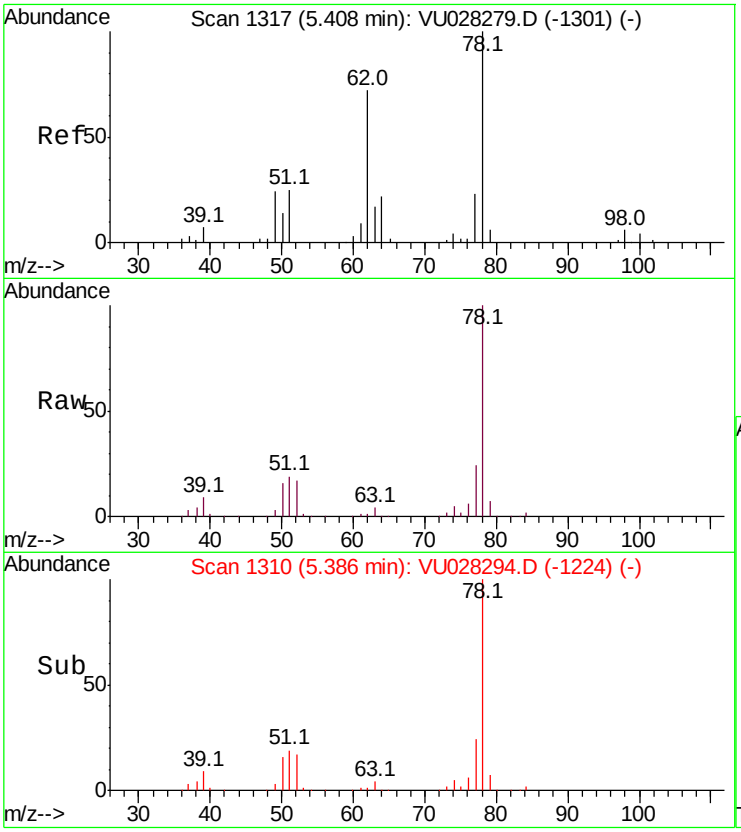


#25
Chloroform
Concen: 0.350 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion: 83 Resp: 7446

Ion	Ratio	Lower	Upper
83	100		
85	63.4	44.6	82.8



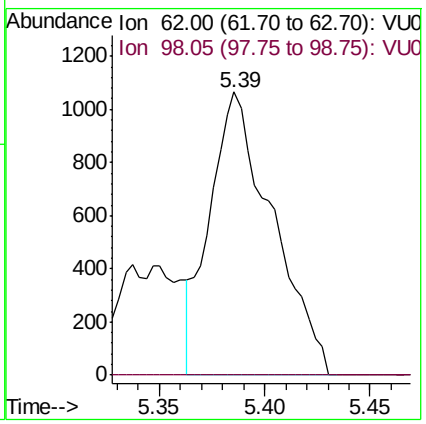


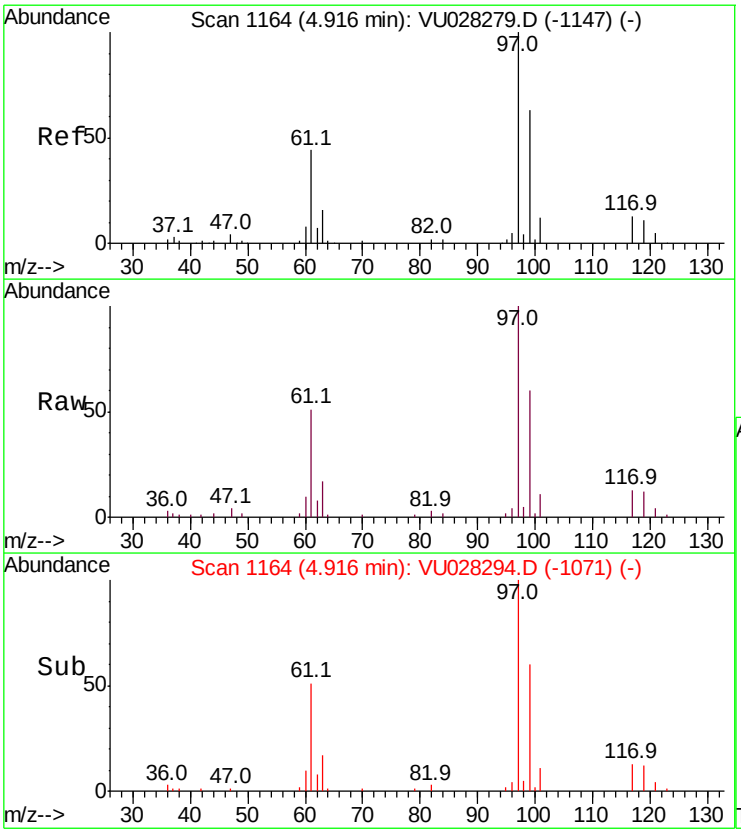
#27
1,2-Dichloroethane
Concen: 0.180 ug/L
RT: 5.39 min Scan# 1310
Delta R.T. -0.02 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 62 Resp: 2191

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.2	9.4#

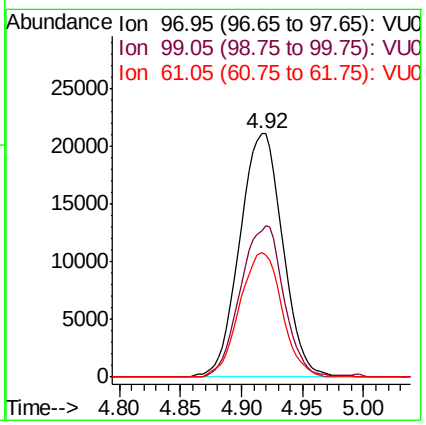


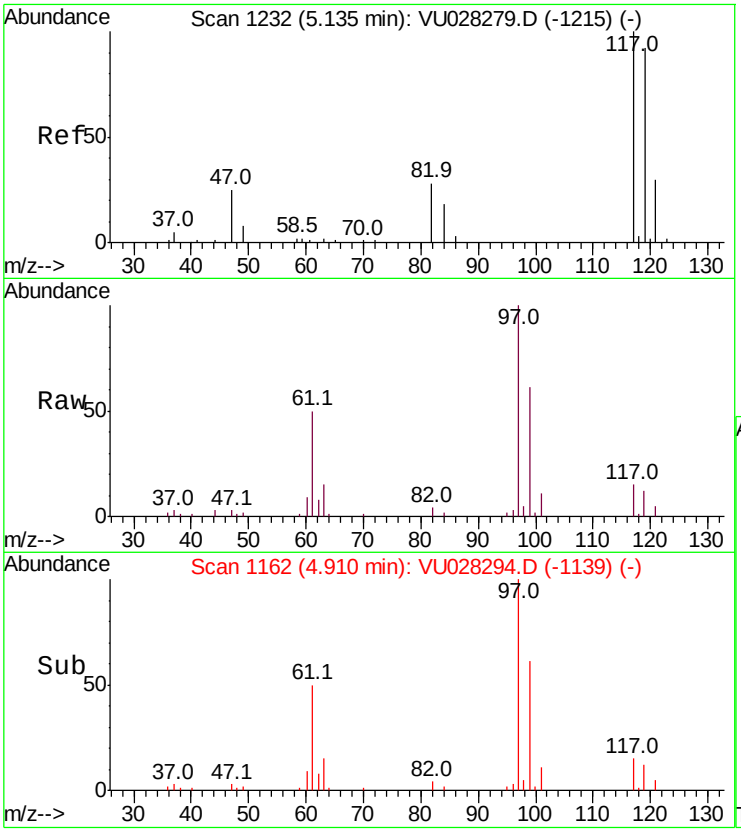


#29
1,1,1-Trichloroethane
Concen: 3.597 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion: 97 Resp: 51587

Ion	Ratio	Lower	Upper
97	100		
99	62.4	50.8	76.2
61	50.2	42.6	64.0



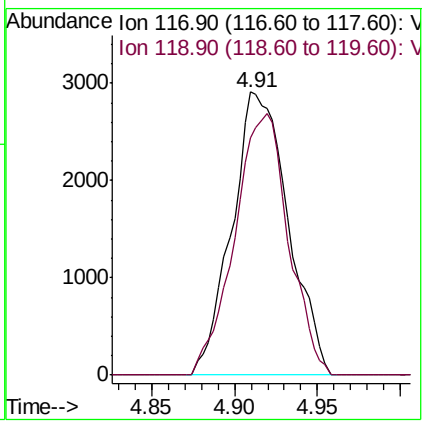


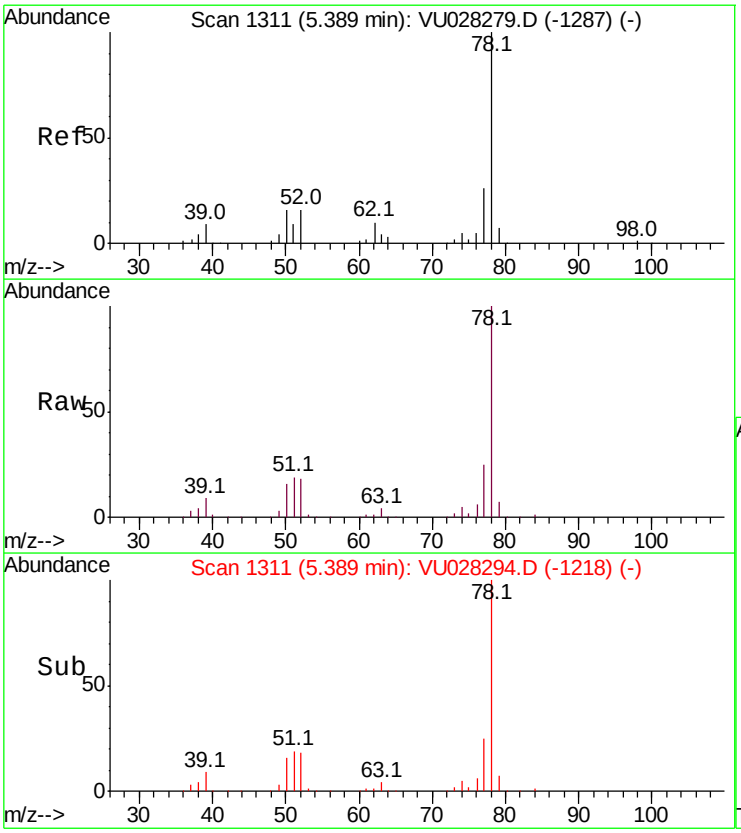
#31
Carbon tetrachloride
Concen: 0.587 ug/L
RT: 4.91 min Scan# 1162
Delta R.T. -0.22 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion:117 Resp: 6912

Ion	Ratio	Lower	Upper
117	100		
119	88.1	75.6	113.4

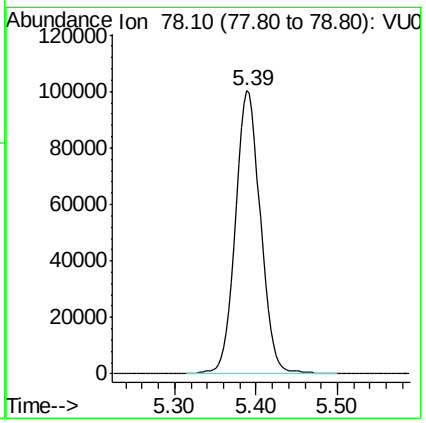
Instrument :
MSVOA_U
ClientSampleId :

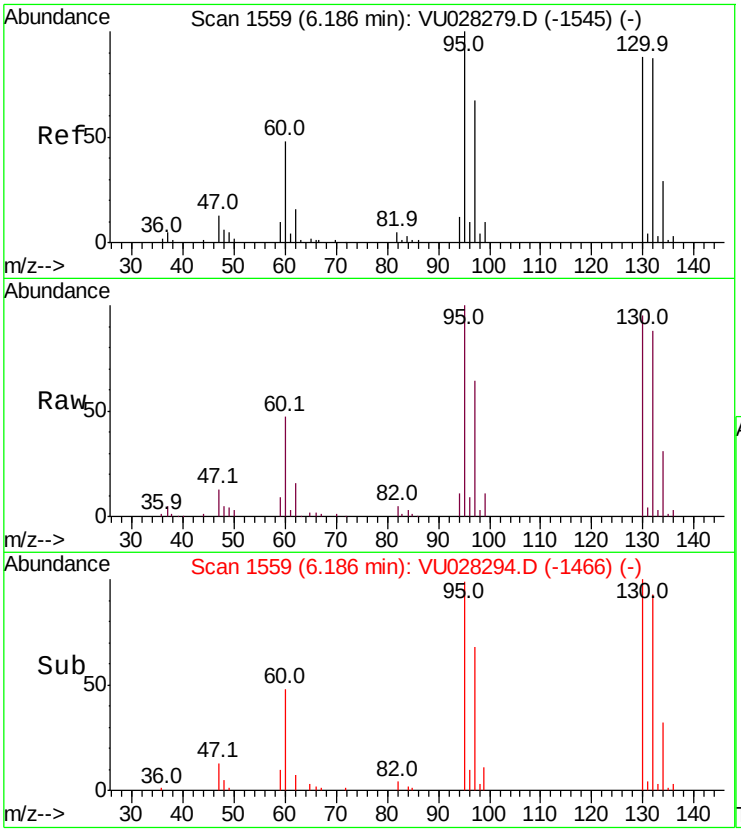




#33
Benzene
Concen: 5.105 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion: 78 Resp: 214286



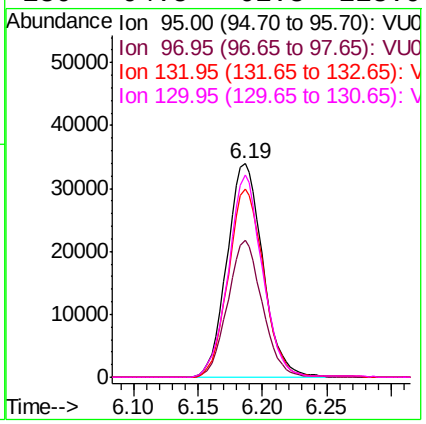


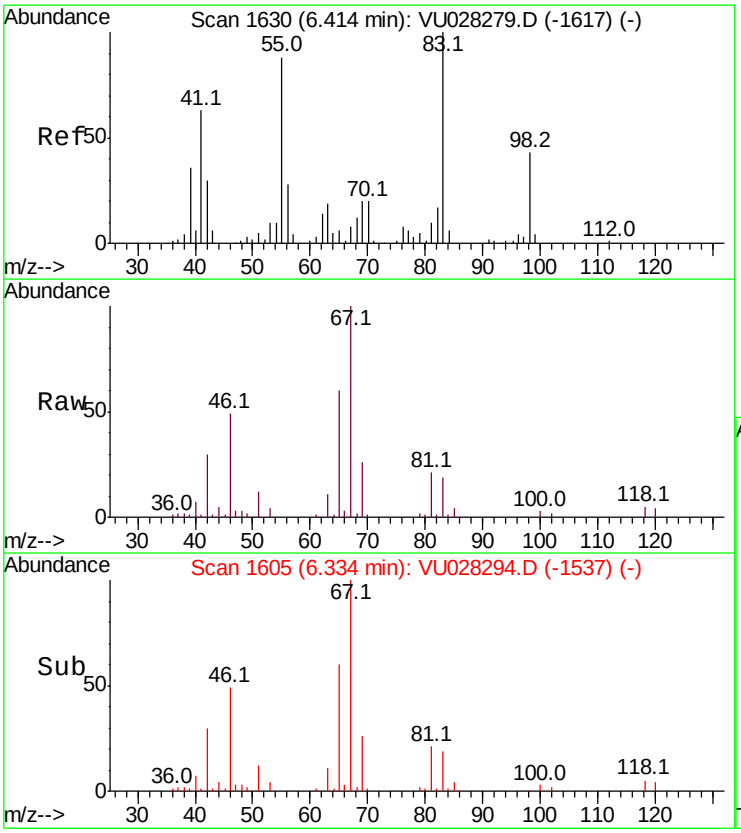
#34
Trichloroethene
Concen: 6.374 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 65504

Ion	Ratio	Lower	Upper
95	100		
97	64.1	46.5	86.3
132	88.4	58.9	109.3
130	94.5	61.3	113.9

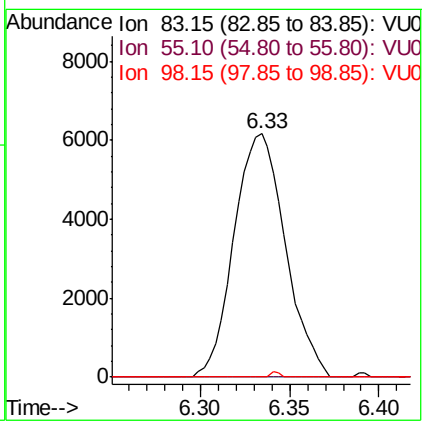


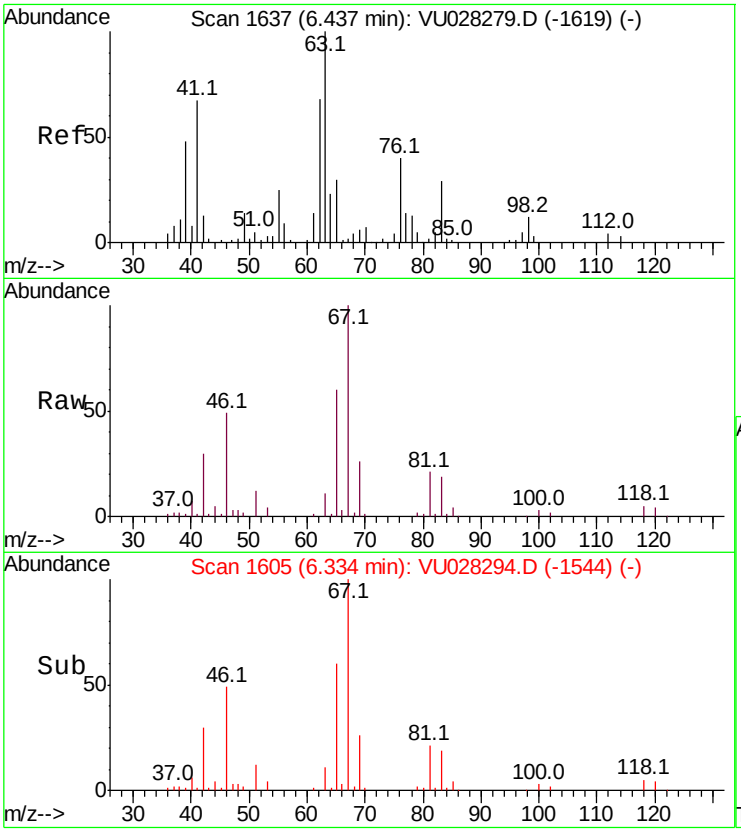


#35
Methylcyclohexane
Concen: 0.763 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion: 83 Resp: 12352

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



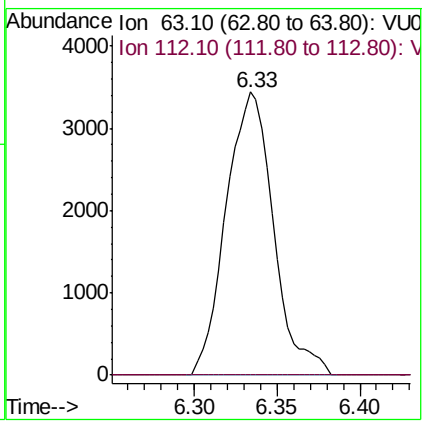


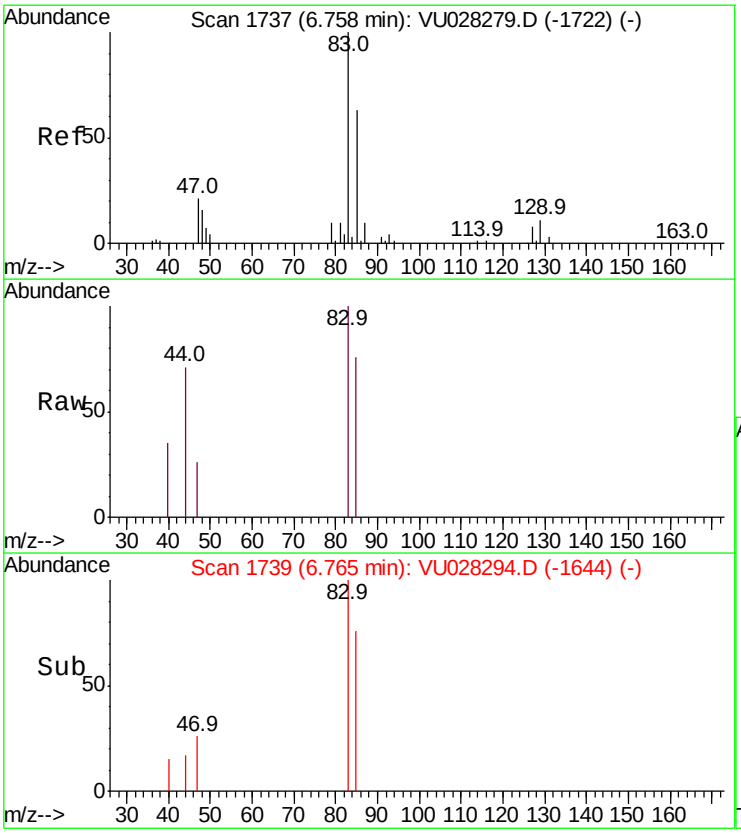
#37
1,2-Dichloropropane
Concen: 0.570 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 63 Resp: 6834

Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.2	3.2#

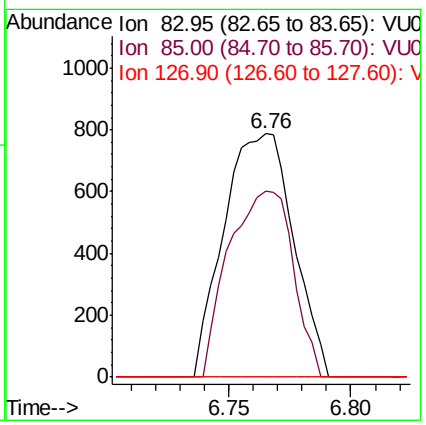


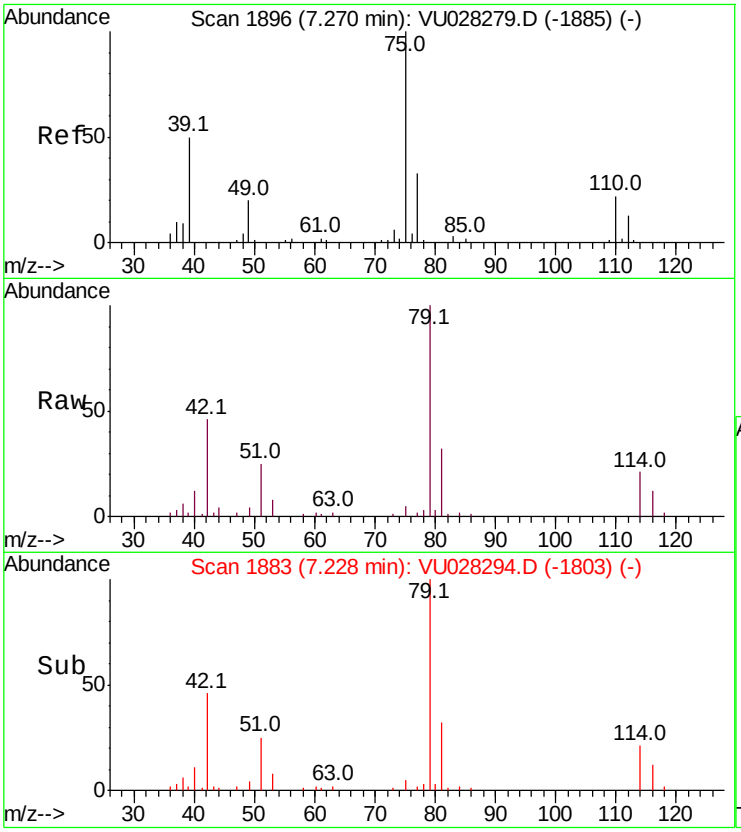


#38
Bromodichloromethane
Concen: 0.119 ug/L
RT: 6.76 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion: 83 Resp: 1558

Ion	Ratio	Lower	Upper
83	100		
85	76.3	44.2	82.0
127	0.0	6.2	9.4#



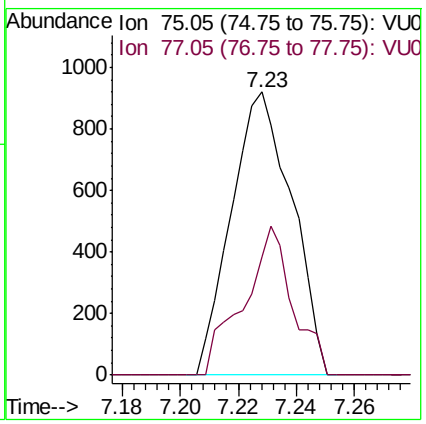


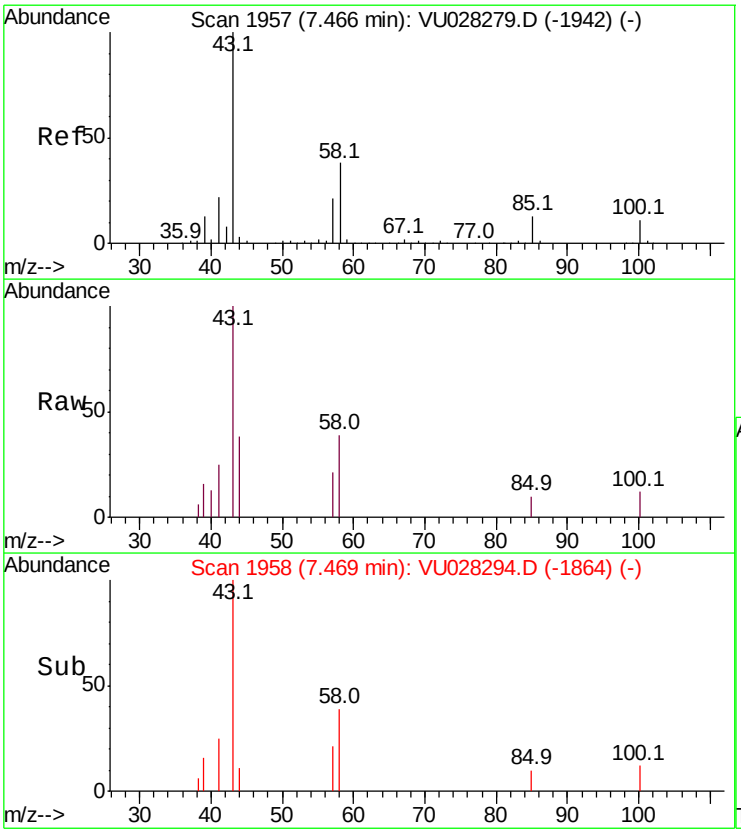
#39
cis-1,3-Dichloropropene
Concen: 0.088 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 1334

Ion	Ratio	Lower	Upper
75	100		
77	41.8	21.7	40.3#

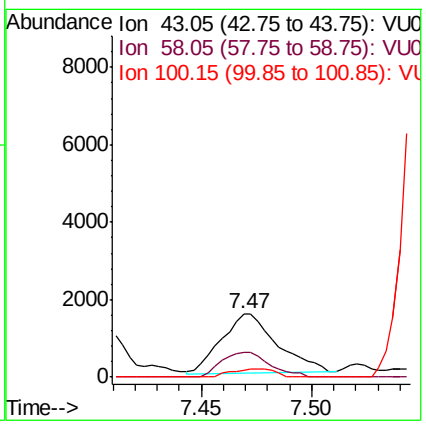


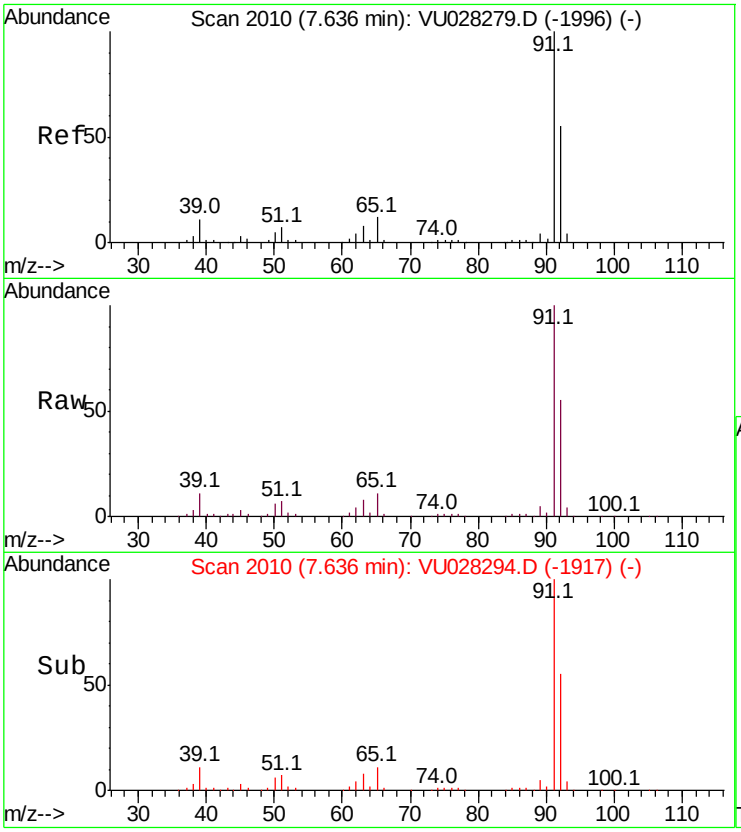


#40
4-Methyl-2-pentanone
Concen: 0.317 ug/L
RT: 7.47 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion: 43 Resp: 2717

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.8	43.2
100	0.0	8.0	12.0#



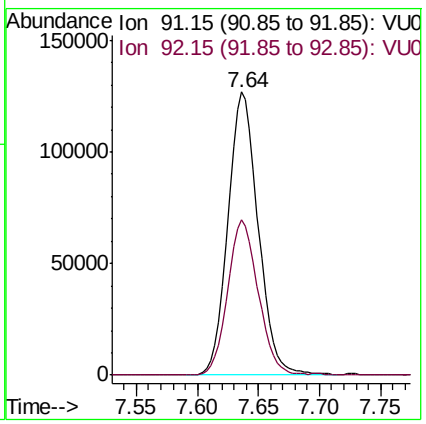


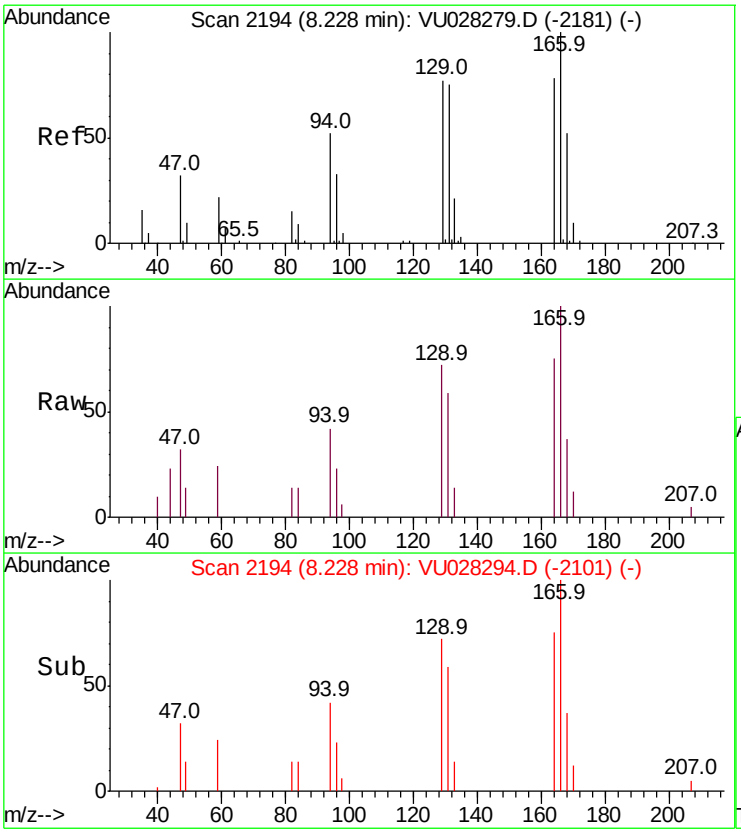
#42
Toluene
Concen: 5.151 ug/L
RT: 7.64 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 91 Resp: 219175

Ion	Ratio	Lower	Upper
91	100		
92	54.7	39.0	72.4

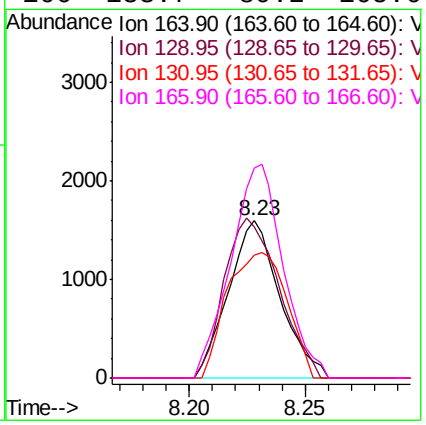


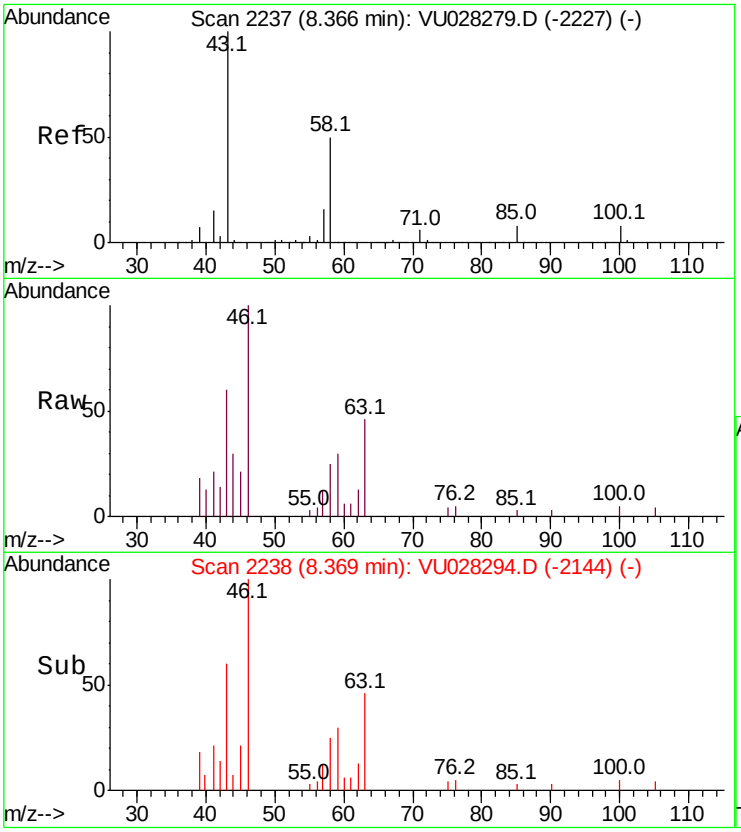


#47
Tetrachloroethene
Concen: 0.346 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion:164 Resp: 2465

Ion	Ratio	Lower	Upper
164	100		
129	96.2	67.6	125.6
131	78.4	66.3	123.1
166	133.7	89.2	165.6



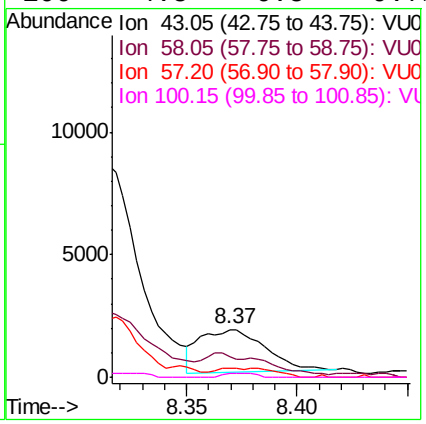


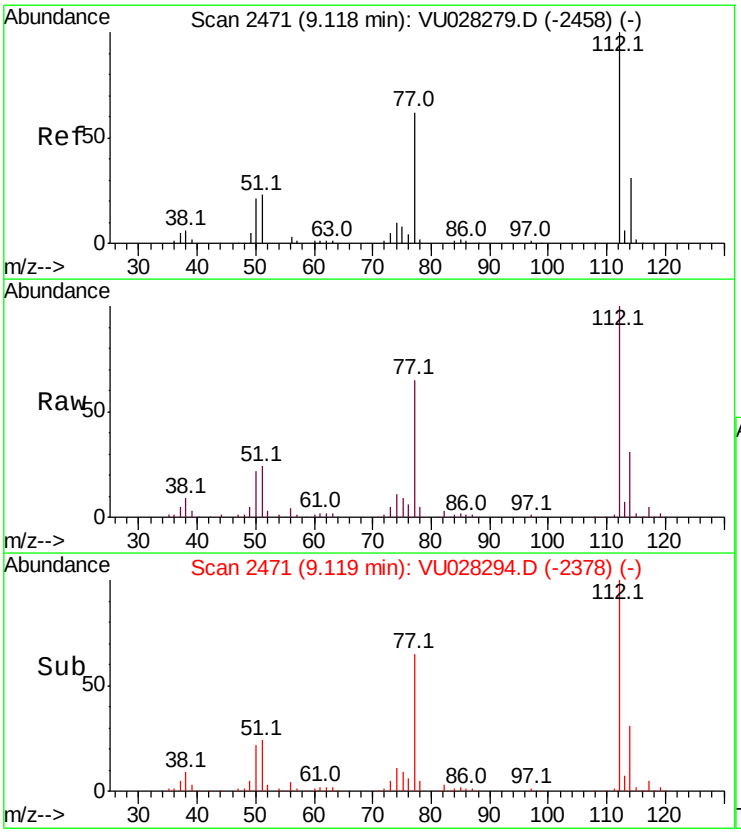
#48
2-Hexanone
Concen: 0.595 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 3632

Ion	Ratio	Lower	Upper
43	100		
58	45.0	41.1	61.7
57	4.2	13.8	20.8#
100	4.5	6.5	9.7#

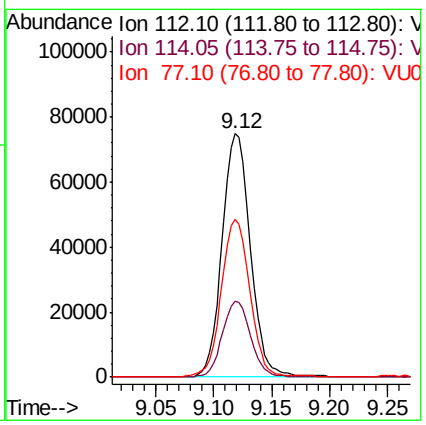


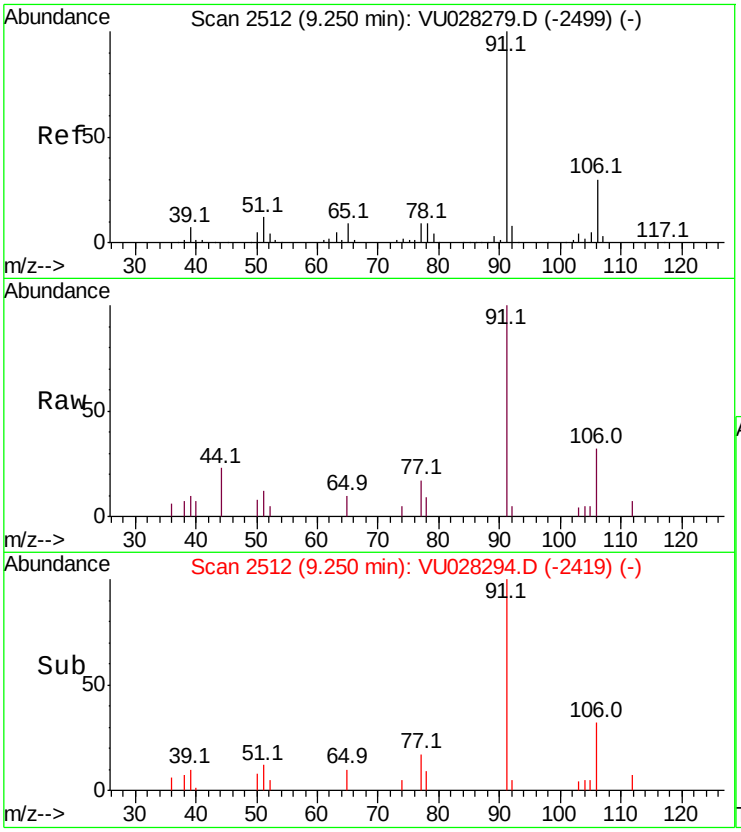


#51
Chlorobenzene
Concen: 5.158 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion:112 Resp: 126390

Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.3	41.5
77	65.1	52.4	78.6



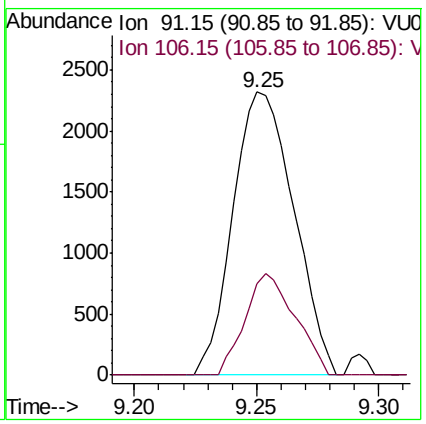


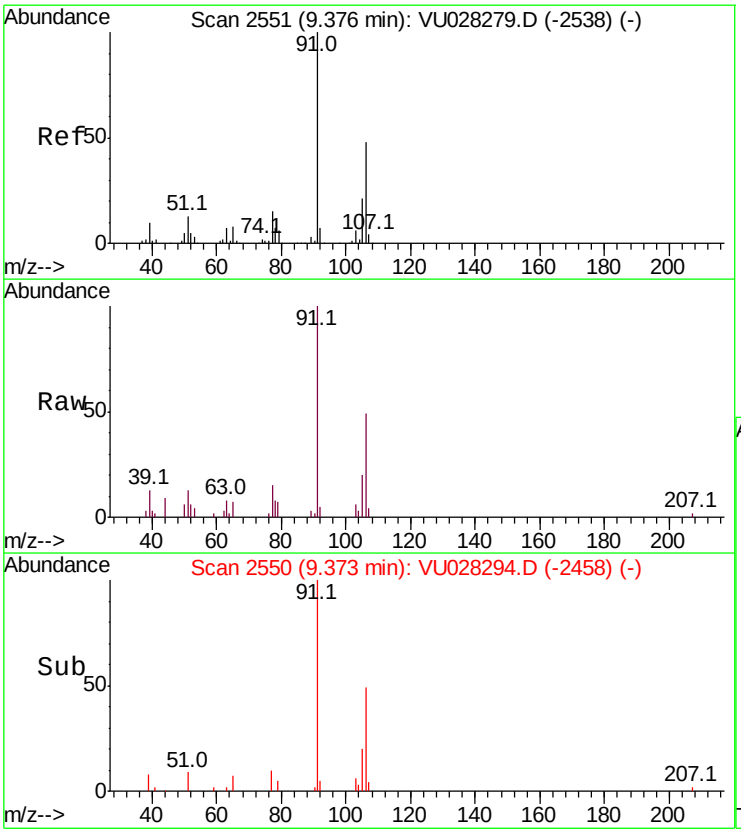
#52
Ethylbenzene
Concen: 0.088 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion: 91 Resp: 4018

Ion	Ratio	Lower	Upper
91	100		
106	32.1	19.3	35.9

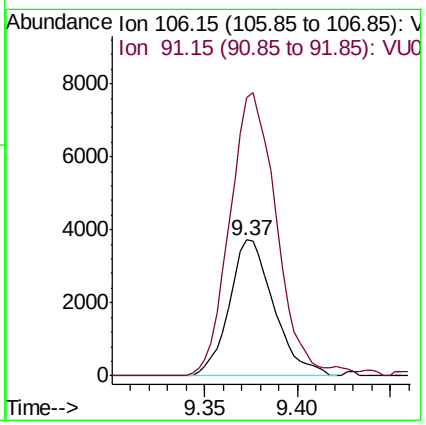


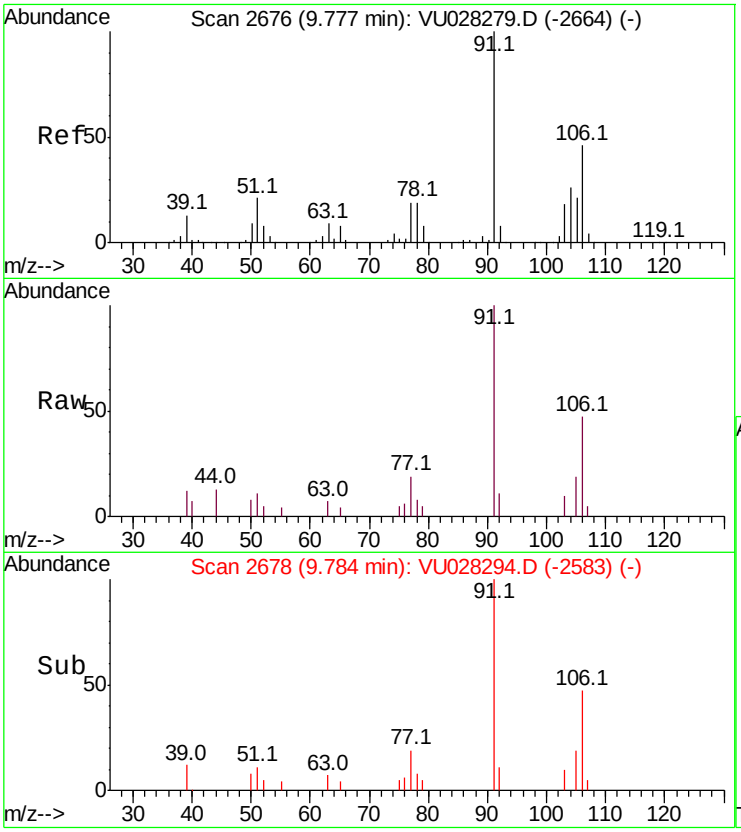


#53
m,p-xylene
Concen: 0.392 ug/L
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion:106 Resp: 6220

Ion	Ratio	Lower	Upper
106	100		
91	204.5	150.6	279.6



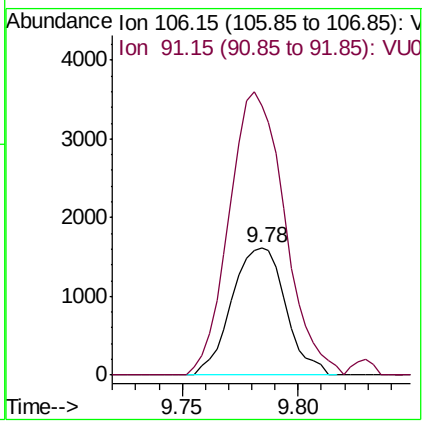


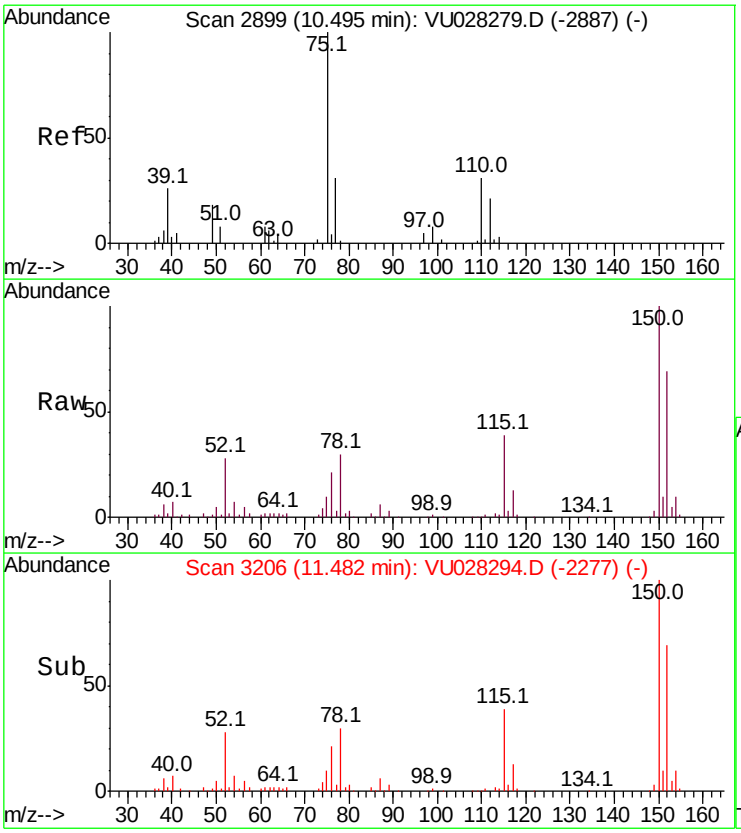
#54
o-xylene
Concen: 0.165 ug/L
RT: 9.78 min Scan# 2678
Delta R.T. 0.01 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument : MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 2611

Ion	Ratio	Lower	Upper
106	100		
91	210.6	157.5	292.5

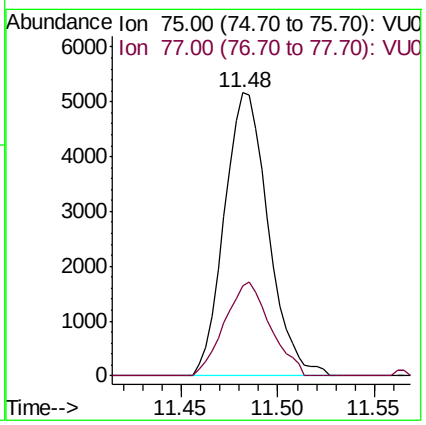


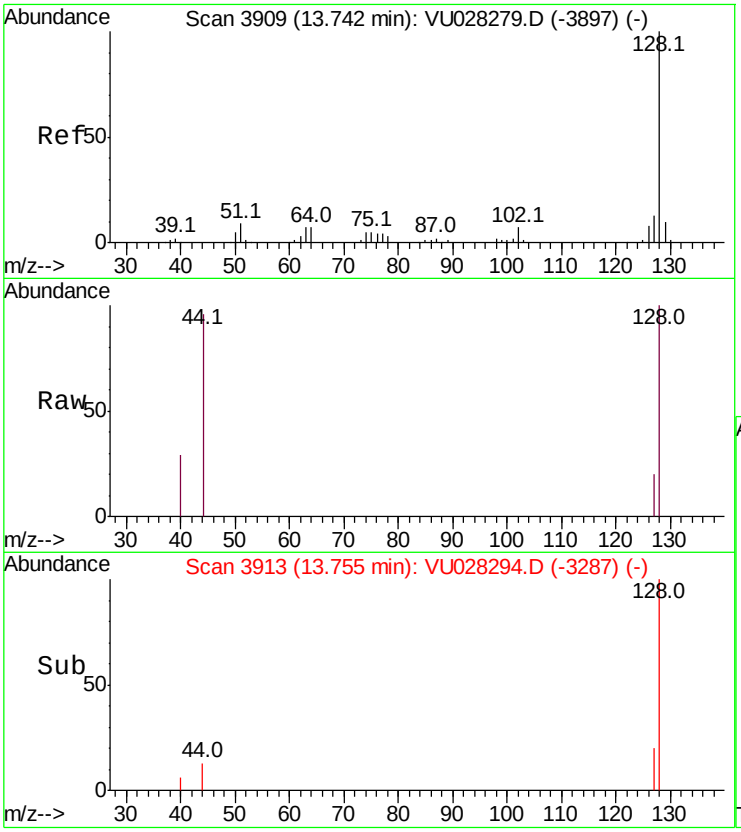


#59
1,2,3-Trichloropropane
Concen: 1.179 ug/L
RT: 11.48 min Scan# 3206
Delta R.T. 0.99 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Tgt Ion: 75 Resp: 8158

Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.7	38.5





#69
Naphthalene
Concen: 0.094 ug/L
RT: 13.76 min Scan# 3913
Delta R.T. 0.01 min
Lab File: VU028294.D
Acq: 20 Nov 2018 21:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 1775

Ion	Ratio	Lower	Upper
128	100		
129	2.3	8.6	12.8#
127	20.8	10.7	16.1#