Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111418\
Data File : VU028141.D
Acq On : 15 Nov 2018 00:07
Operator : MD/SY
Sample : J5943-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FH1

Quant Time: Nov 15 06:17:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 15 06:14:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	132720	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	127355	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	60518	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	48667	4.42	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 88.40%			
7) Chloroethane-d5	1.68	69	43062	4.92	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 98.40%			
11) 1,1-Dichloroethene-d2	2.28	63	68838	3.35	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 67.00%			
20) 2-Butanone-d5	4.21	46	176087	55.13	ug/L	0.01
Spiked Amount 50.000	Range 40 - 130		Recovery = 110.26%			
24) Chloroform-d	4.65	84	85569	4.89	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.80%			
26) 1,2-Dichloroethane-d4	5.31	65	49474	5.06	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 101.20%			
32) Benzene-d6	5.34	84	173525	4.74	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 94.80%			
36) 1,2-Dichloropropane-d6	6.33	67	67629	5.17	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 103.40%			
41) Toluene-d8	7.57	98	154345	4.53	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 90.60%			
43) trans-1,3-Dichloropropene-	7.85	79	20030	4.30	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 86.00%			
46) 2-Hexanone-d5	8.31	63	137006	51.42	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 102.84%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	46972	5.08	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 101.60%			
64) 1,2-Dichlorobenzene-d4	11.86	152	56232	4.97	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 99.40%			
Target Compounds						Qvalue
3) Chloromethane	1.39	50	8703	0.582	ug/L #	77
5) Vinyl chloride	1.40	62	94103	6.620	ug/L	100
8) Chloroethane	1.70	64	13555	1.584	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	559	0.064	ug/L #	1
12) 1,1-Dichloroethene	2.29	96	773	0.088	ug/L #	1
13) Acetone	2.34	43	8080	3.756	ug/L	98
14) Carbon disulfide	2.48	76	4606	0.156	ug/L #	92
15) Methyl Acetate	2.63	43	2162	0.376	ug/L #	58
17) Methyl tert-butyl Ether	3.01	73	6024	0.244	ug/L #	62
18) trans-1,2-Dichloroethene	2.98	96	64883	6.916	ug/L	98
19) 1,1-Dichloroethane	3.45	63	23922	1.212	ug/L	97
21) 2-Butanone	4.30	43	18497	5.448	ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	122468	11.839	ug/L	94
27) 1,2-Dichloroethane	5.41	62	6434	0.553	ug/L #	89
33) Benzene	5.39	78	119152	2.777	ug/L	100
34) Trichloroethene	6.19	95	42038	3.964	ug/L	97
35) Methylcyclohexane	6.33	83	12911	0.708	ug/L #	17

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111418\
Data File : VU028141.D
Acq On : 15 Nov 2018 00:07
Operator : MD/SY
Sample : J5943-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FH1

Quant Time: Nov 15 06:17:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 15 06:14:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) cis-1,3-Dichloropropene	7.23	75	1257	0.078	ug/L	#	54
40) 4-Methyl-2-pentanone	7.47	43	3183	0.390	ug/L	#	84
42) Toluene	7.64	91	309433	6.995	ug/L		99
45) 1,1,2-Trichloroethane	8.07	97	609	0.085	ug/L		93
47) Tetrachloroethene	8.23	164	847	0.098	ug/L		92
48) 2-Hexanone	8.37	43	2733	0.470	ug/L	#	88
49) Dibromochloromethane	8.23	129	767	0.101	ug/L	#	11
51) Chlorobenzene	9.12	112	3911	0.151	ug/L		97
52) Ethylbenzene	9.25	91	65687	1.360	ug/L		98
53) m,p-xylene	9.38	106	41847	2.379	ug/L		96
54) o-xylene	9.78	106	47513	2.805	ug/L		95
55) Styrene	9.78	104	3196	0.112	ug/L	#	1
56) Isopropylbenzene	10.17	105	4221	0.092	ug/L		94
59) 1,2,3-Trichloropropane	11.14	75	559	0.084	ug/L	#	1
65) 1,2-Dichlorobenzene	11.88	146	1334	0.073	ug/L	#	88
66) 1,2-Dibromo-3-chloropropan	12.65	75	900	0.678	ug/L	#	3
69) Naphthalene	13.74	128	48031	2.014	ug/L		99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111418\
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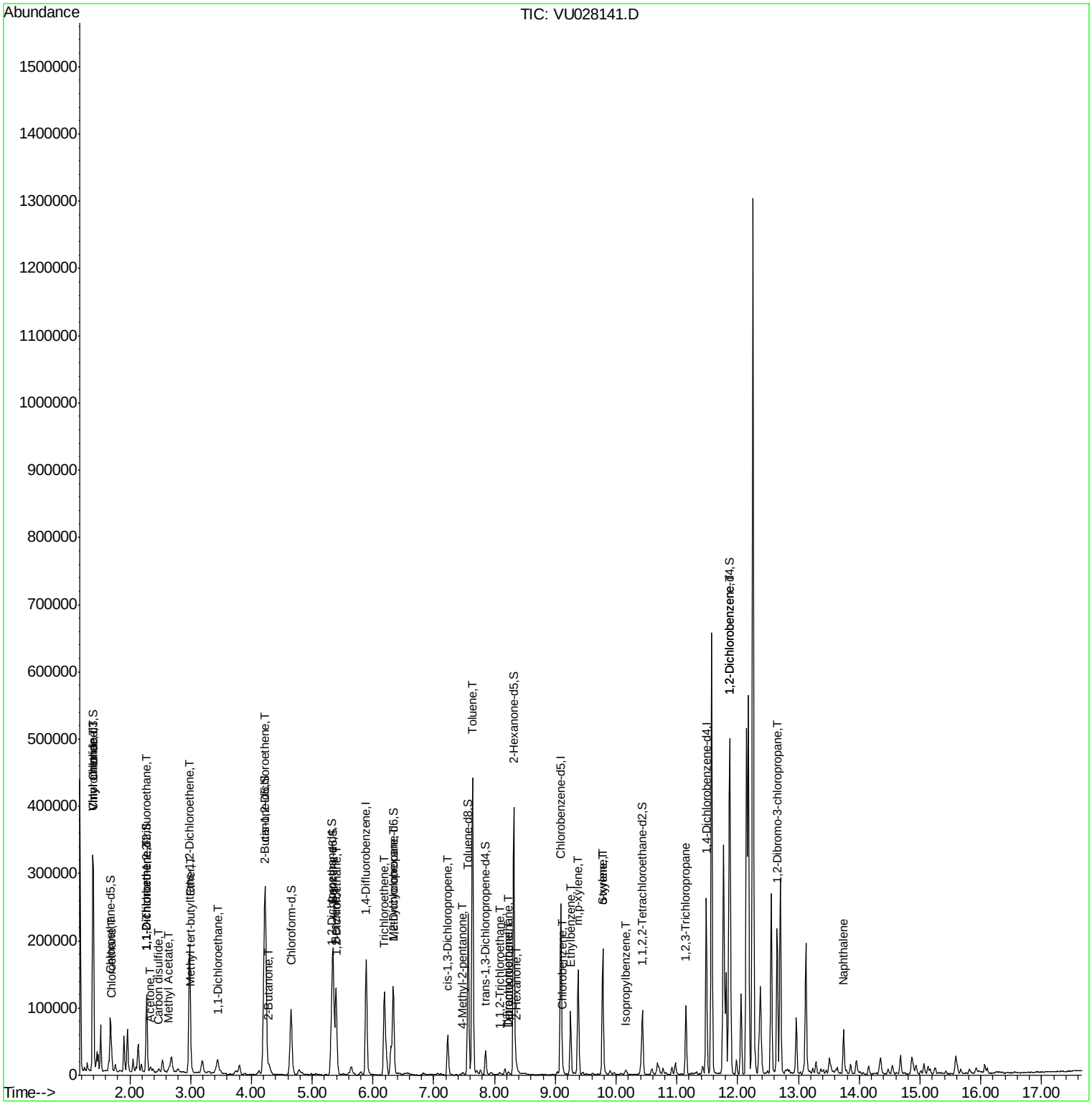
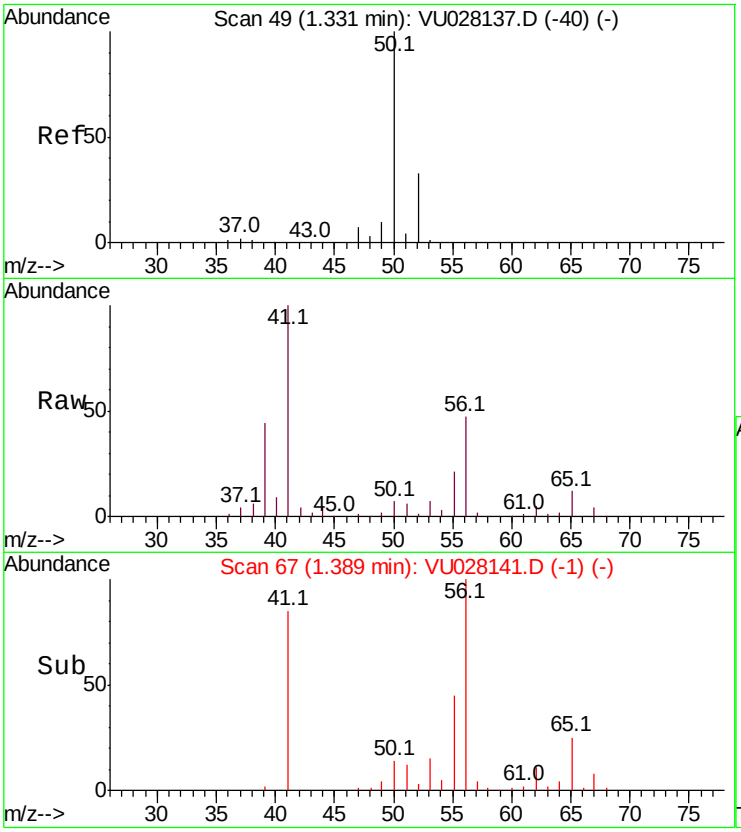
Sample : J5943-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FH1

Quant Time: Nov 15 06:17:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 15 06:14:20 2018
Response via : Initial Calibration



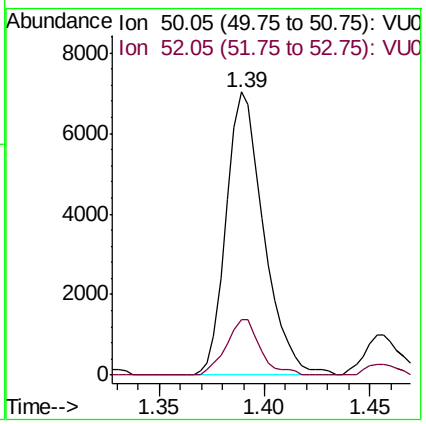


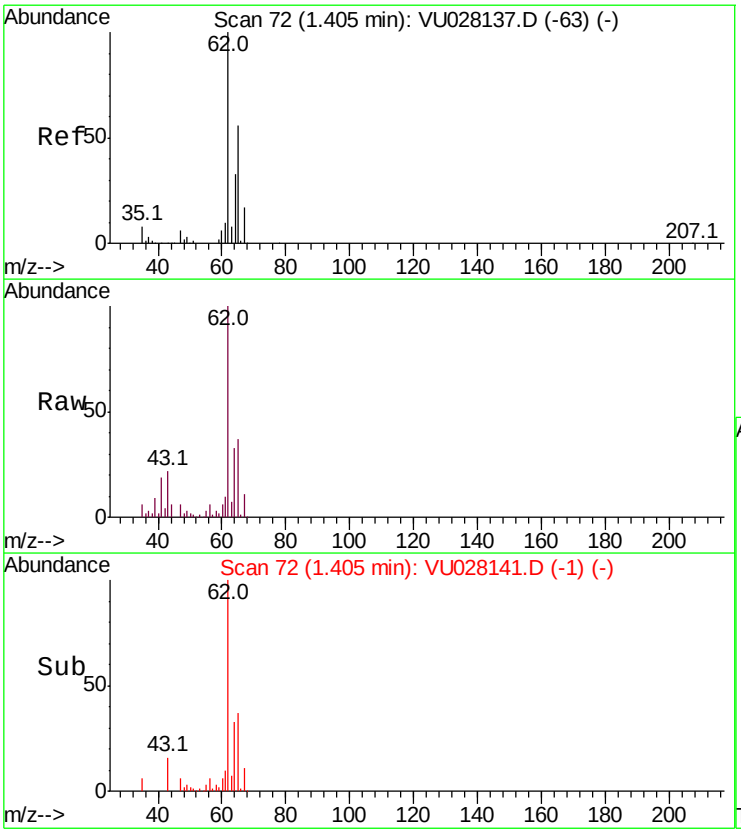
#3
Chloromethane
Concen: 0.582 ug/L
RT: 1.39 min Scan# 67
Delta R.T. 0.06 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion: 50 Resp: 8703

Ion	Ratio	Lower	Upper
50	100		
52	19.8	23.0	42.6#

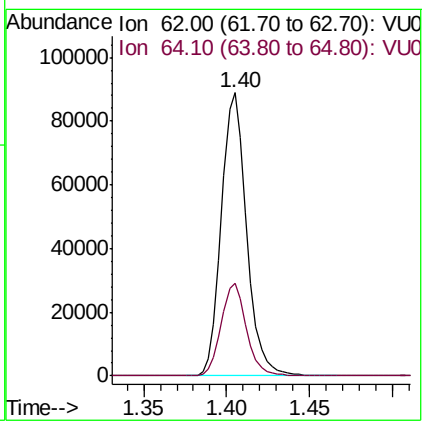


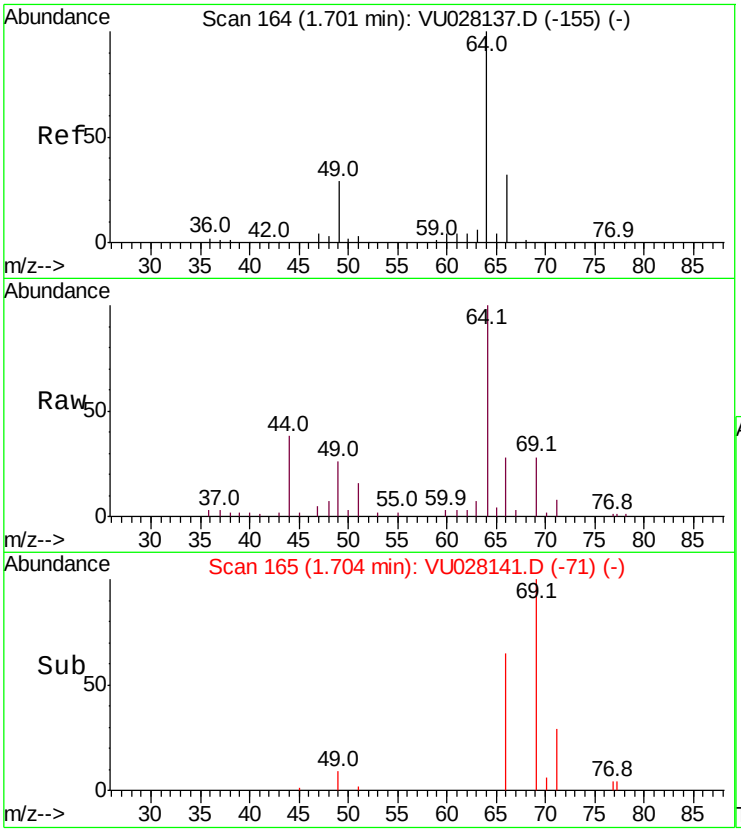


#5
Vinyl chloride
Concen: 6.620 ug/L
RT: 1.40 min Scan# 72
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion: 62 Resp: 94103

Ion	Ratio	Lower	Upper
62	100		
64	32.5	22.7	42.3



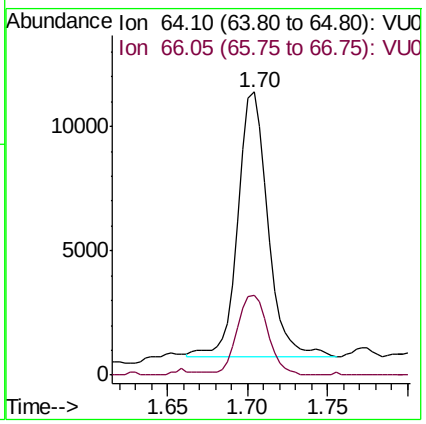


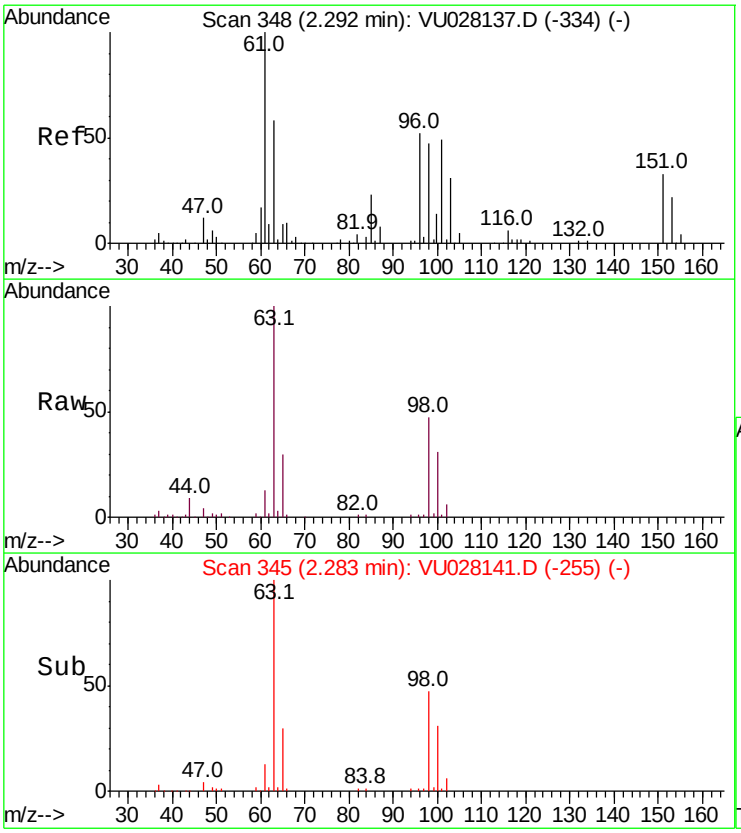
#8
Chloroethane
Concen: 1.584 ug/L
RT: 1.70 min Scan# 165
Delta R.T. 0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion: 64 Resp: 13555

Ion	Ratio	Lower	Upper
64	100		
66	28.3	23.1	42.9

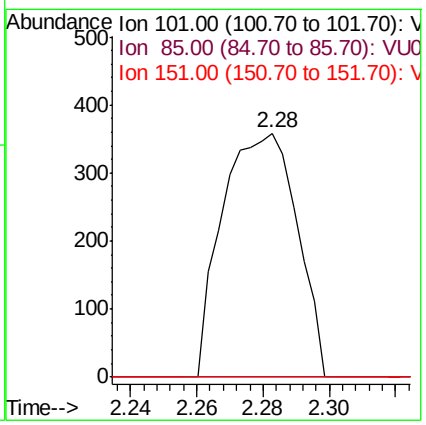


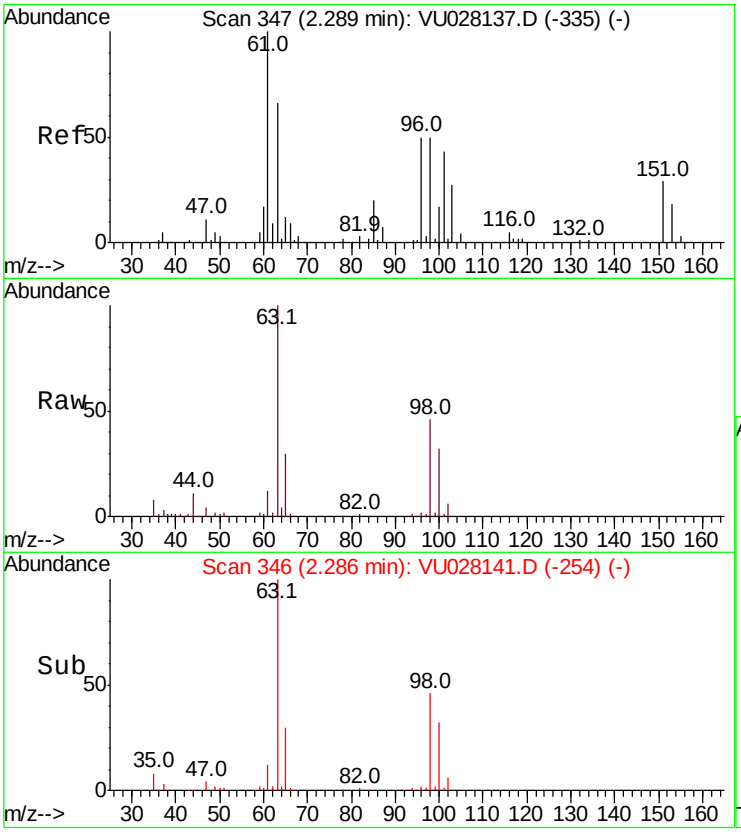


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.064 ug/L
RT: 2.28 min Scan# 345
Delta R.T. -0.01 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion:101 Resp: 559

Ion	Ratio	Lower	Upper
101	100		
85	237.6	37.6	56.4#
151	0.0	58.2	87.2#



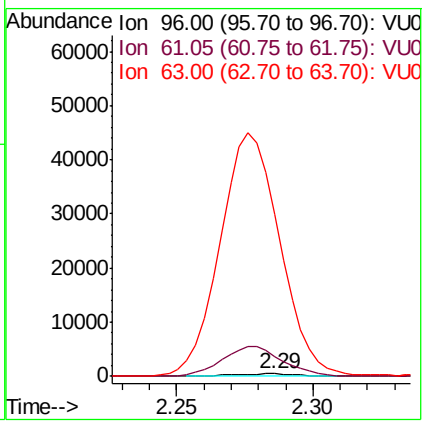


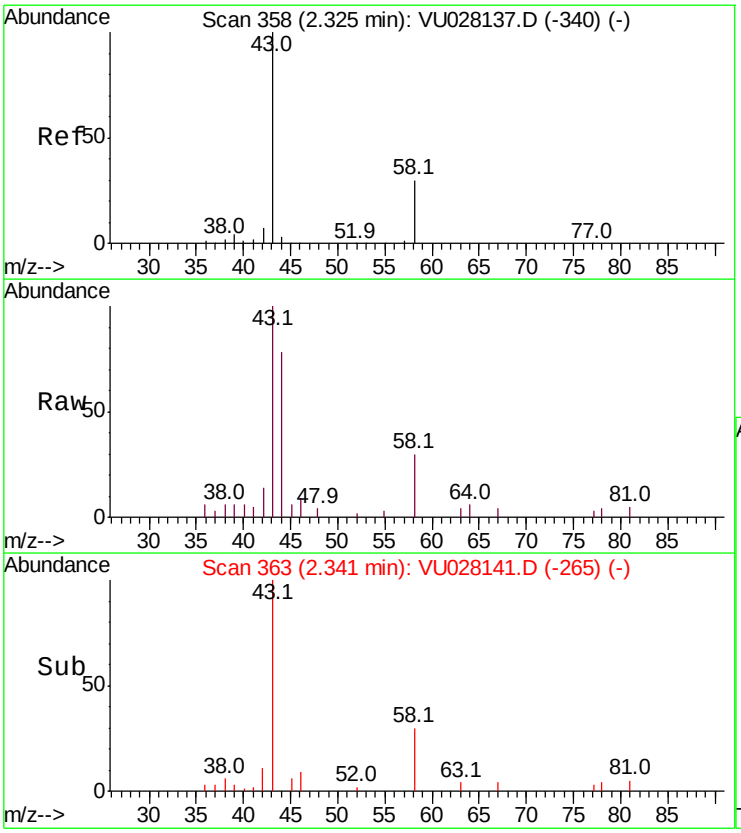
#12
1,1-Dichloroethene
Concen: 0.088 ug/L
RT: 2.29 min Scan# 346
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion: 96 Resp: 773

Ion	Ratio	Lower	Upper
96	100		
61	801.1	134.8	250.3#
63	6469.1	100.1	185.9#

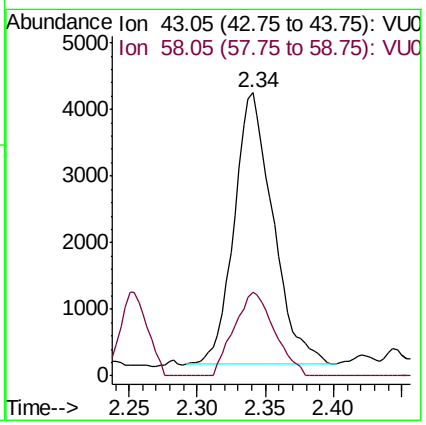


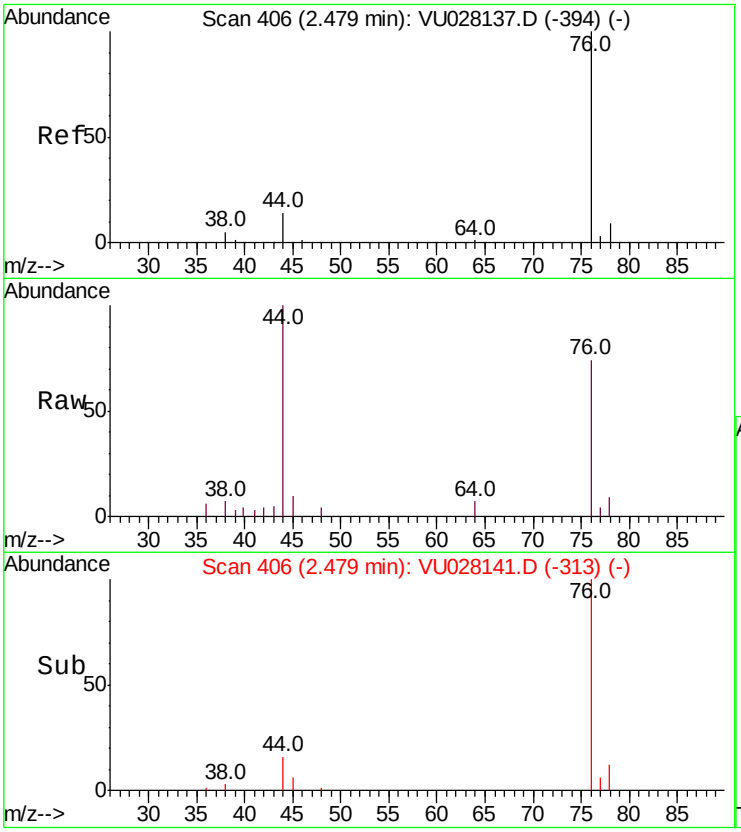


#13
Acetone
Concen: 3.756 ug/L
RT: 2.34 min Scan# 363
Delta R.T. 0.02 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion: 43 Resp: 8080

Ion	Ratio	Lower	Upper
43	100		
58	32.0	0.0	61.6



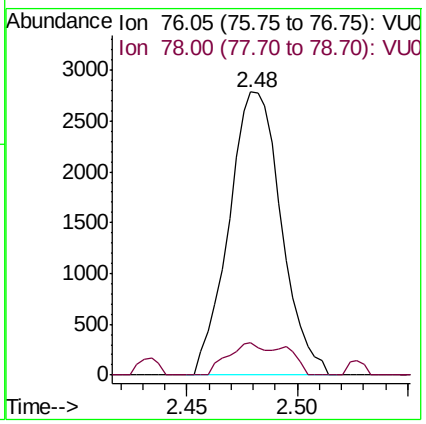


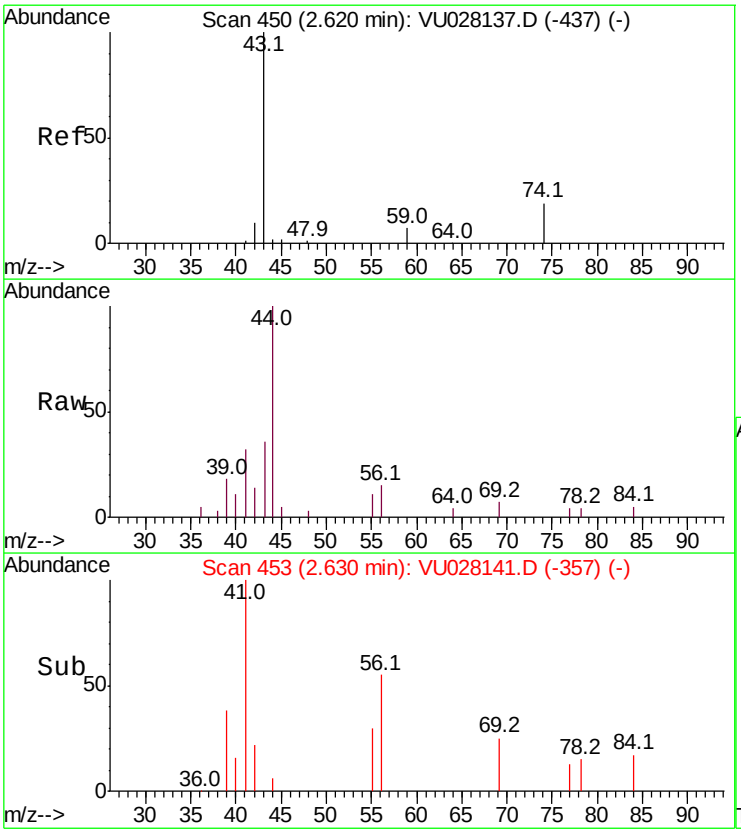
#14
Carbon disulfide
Concen: 0.156 ug/L
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion: 76 Resp: 4606

Ion	Ratio	Lower	Upper
76	100		
78	11.6	7.0	10.4#

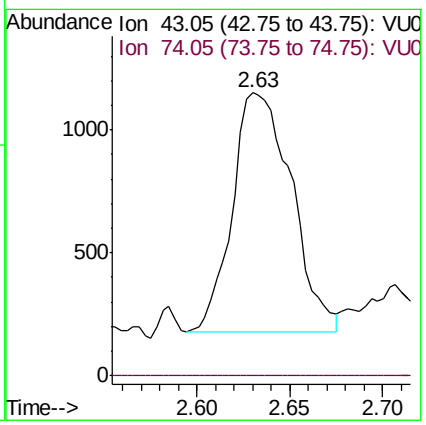


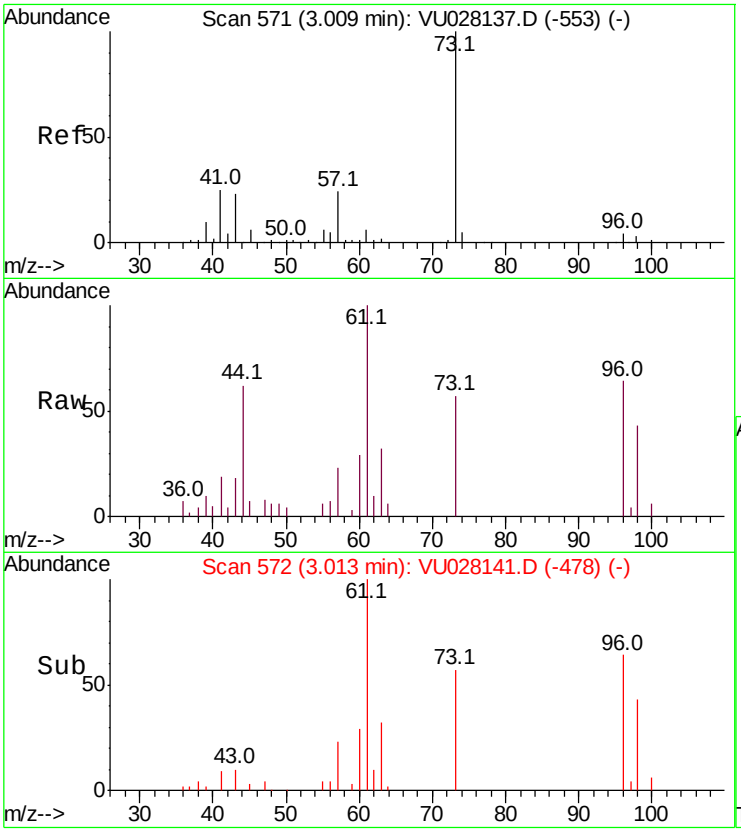


#15
Methyl Acetate
Concen: 0.376 ug/L
RT: 2.63 min Scan# 453
Delta R.T. 0.01 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion: 43 Resp: 2162

Ion	Ratio	Lower	Upper
43	100		
74	0.0	14.9	22.3#



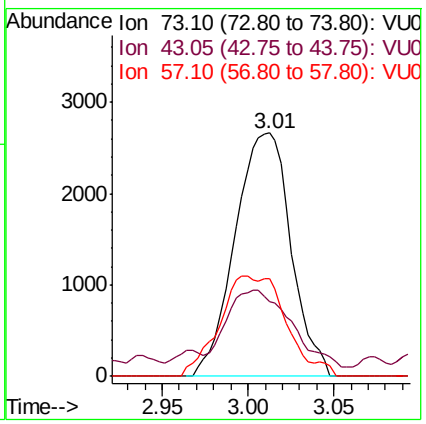


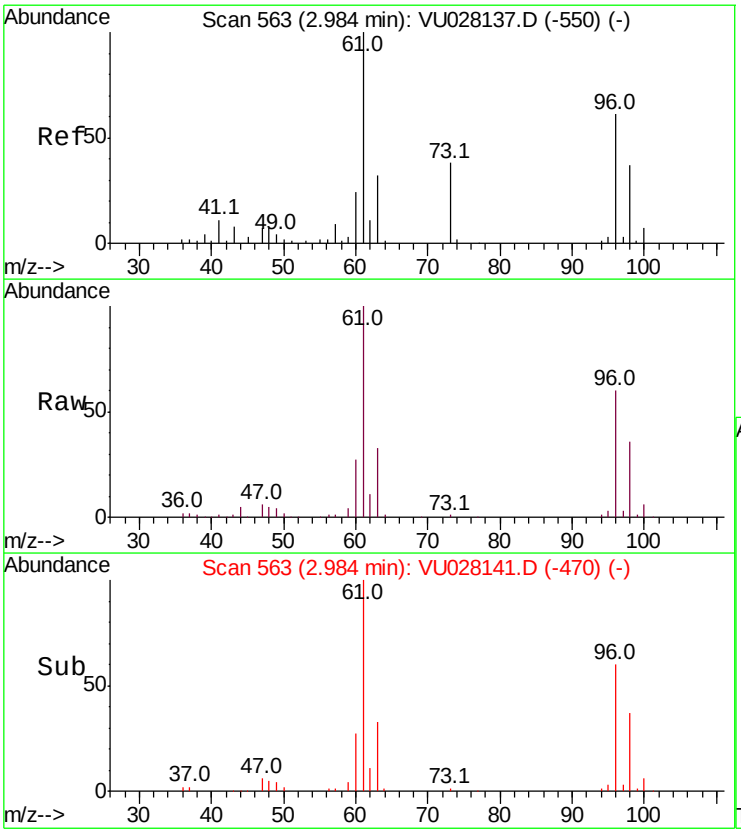
#17
Methyl tert-butyl Ether
Concen: 0.244 ug/L
RT: 3.01 min Scan# 572
Delta R.T. 0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion: 73 Resp: 6024

Ion	Ratio	Lower	Upper
73	100		
43	35.9	18.1	27.1#
57	49.1	20.0	30.0#

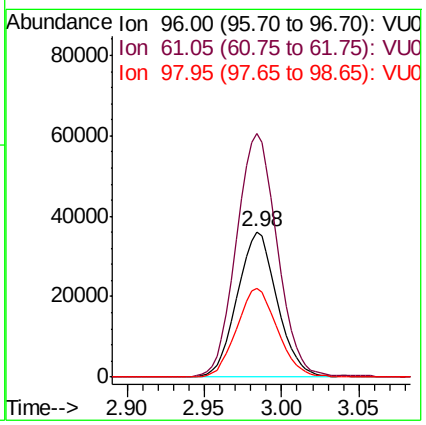


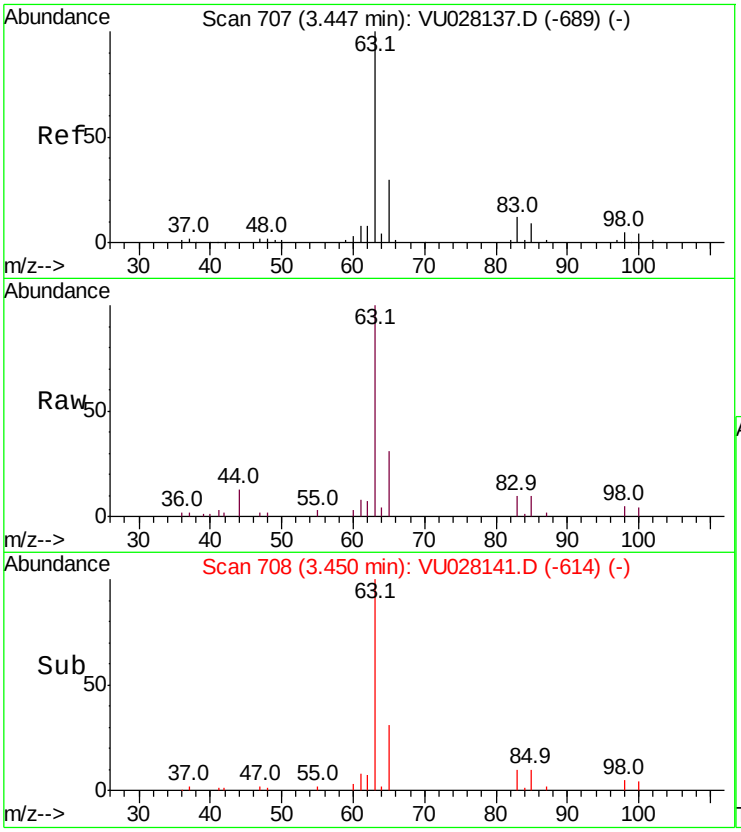


#18
trans-1,2-Dichloroethene
Concen: 6.916 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion: 96 Resp: 64883

Ion	Ratio	Lower	Upper
96	100		
61	167.5	118.5	220.1
98	61.0	44.9	83.5



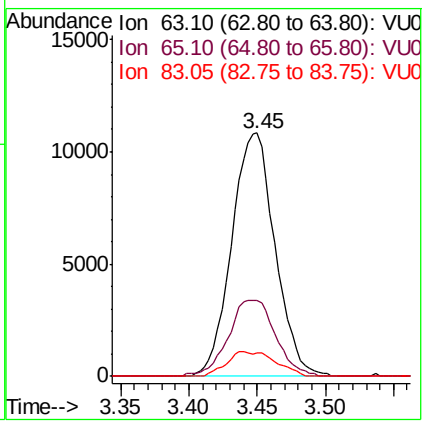


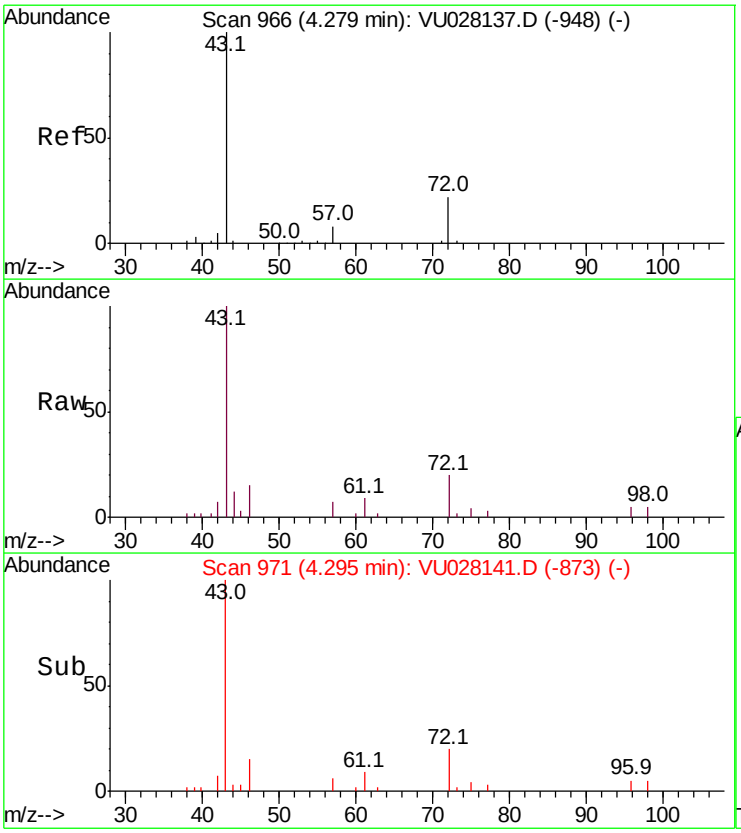
#19
1,1-Dichloroethane
Concen: 1.212 ug/L
RT: 3.45 min Scan# 708
Delta R.T. 0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion: 63 Resp: 23922

Ion	Ratio	Lower	Upper
63	100		
65	31.2	22.2	41.2
83	9.6	8.9	16.5

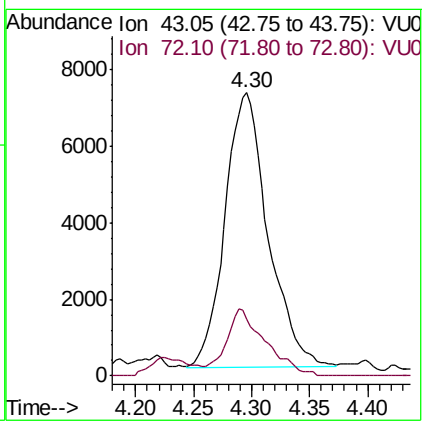


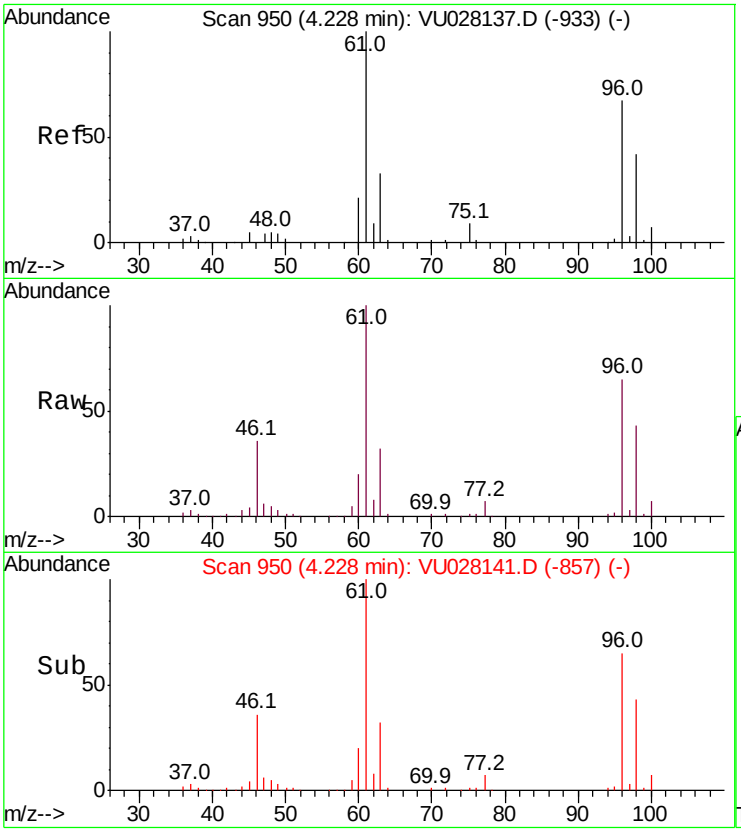


#21
2-Butanone
Concen: 5.448 ug/L
RT: 4.30 min Scan# 971
Delta R.T. 0.02 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion: 43 Resp: 18497

Ion	Ratio	Lower	Upper
43	100		
72	22.3	11.0	33.0



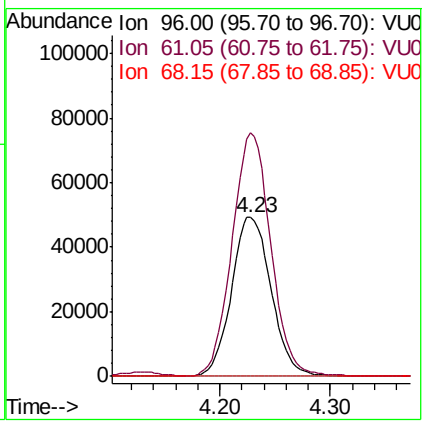


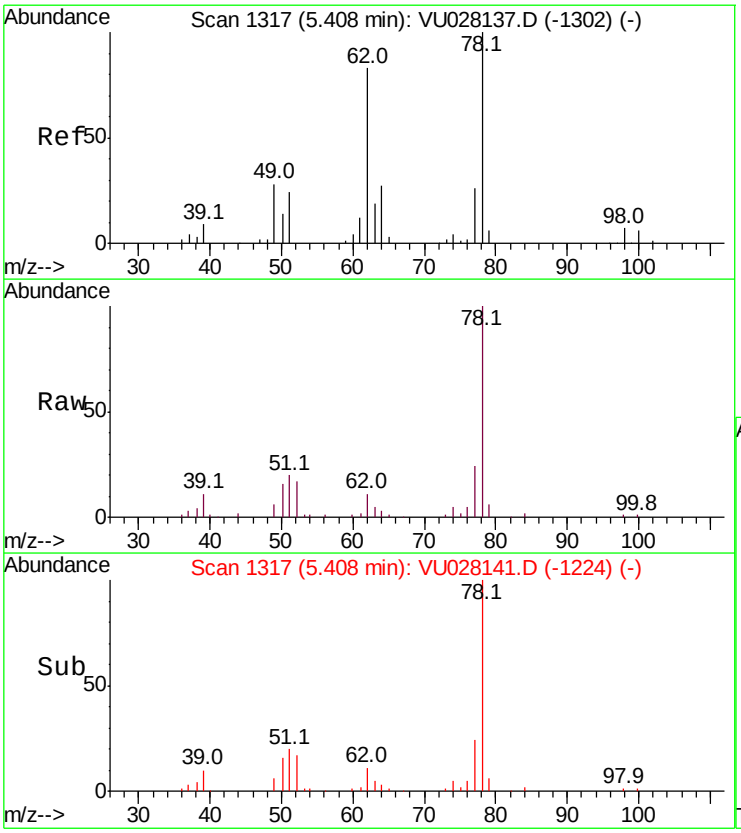
#22
cis-1,2-Dichloroethene
Concen: 11.839 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion: 96 Resp: 122468

Ion	Ratio	Lower	Upper
96	100		
61	153.5	101.8	189.0
68	0.0	0.0	0.0

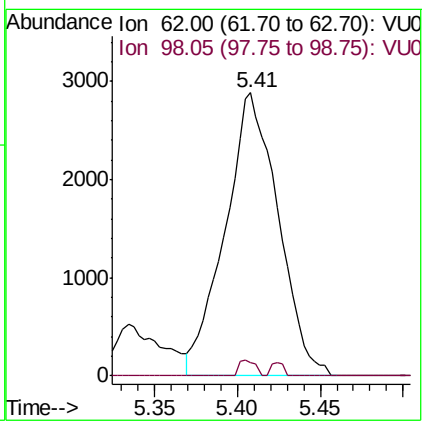


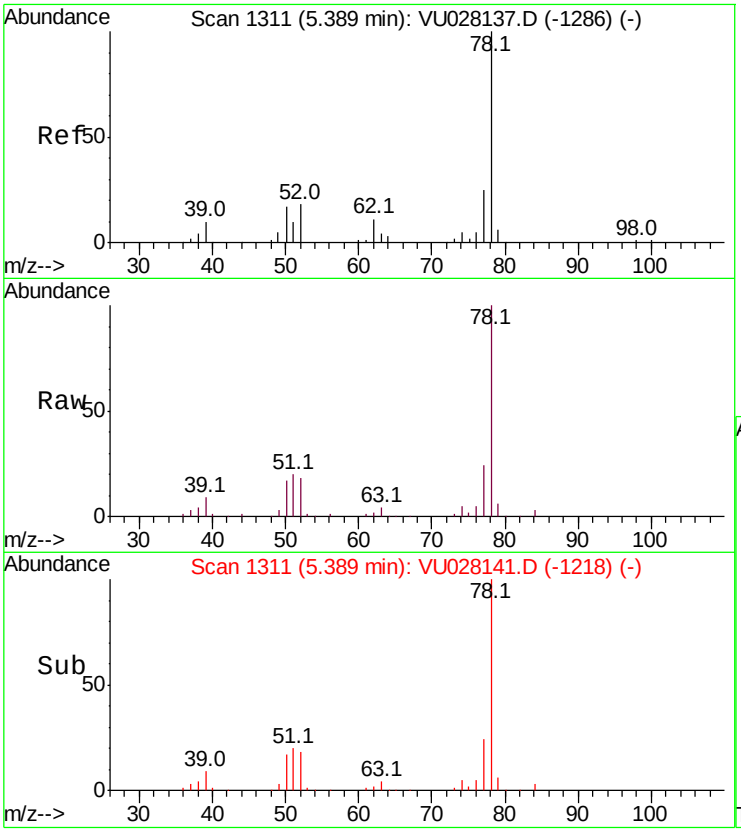


#27
1,2-Dichloroethane
Concen: 0.553 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion: 62 Resp: 6434

Ion	Ratio	Lower	Upper
62	100		
98	4.9	7.0	10.4#

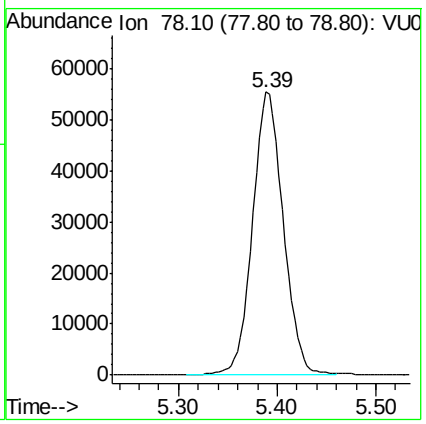


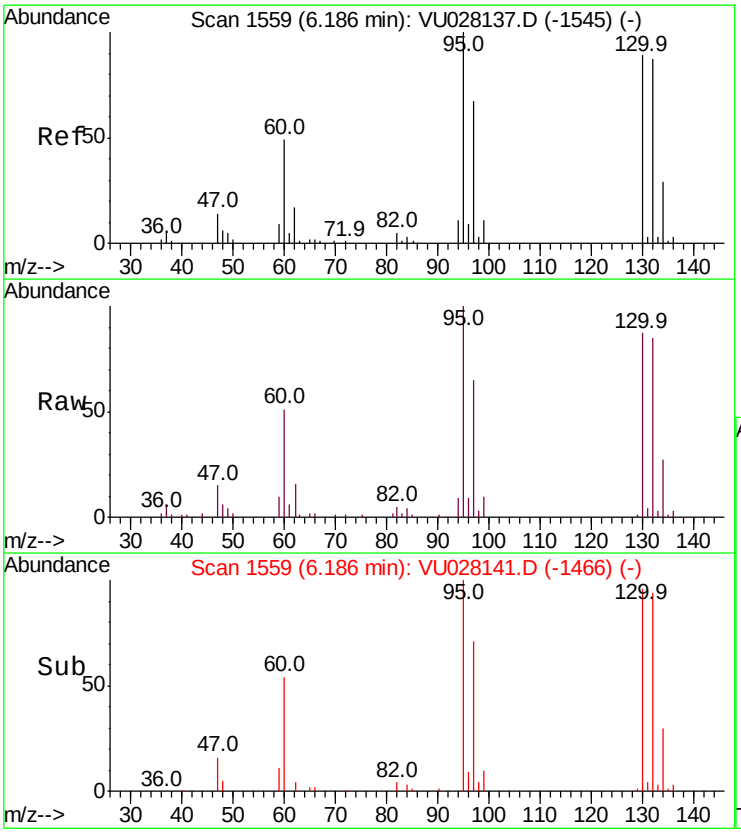


#33
Benzene
Concen: 2.777 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument :
MSVOA_U
ClientSampleId :
H0FH1

Tgt Ion: 78 Resp: 119152

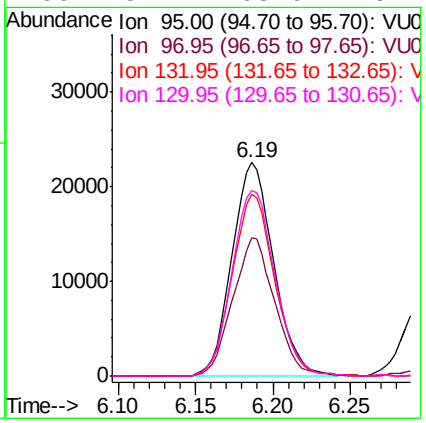


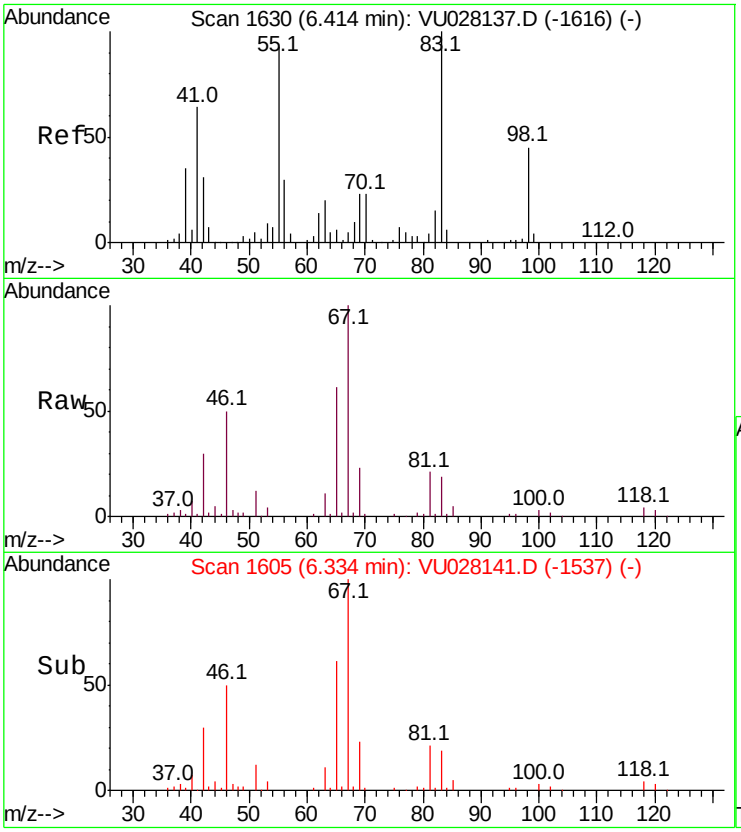


#34
Trichloroethene
Concen: 3.964 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion: 95 Resp: 42038

Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.3	84.1
132	85.2	63.0	117.0
130	87.1	63.6	118.2



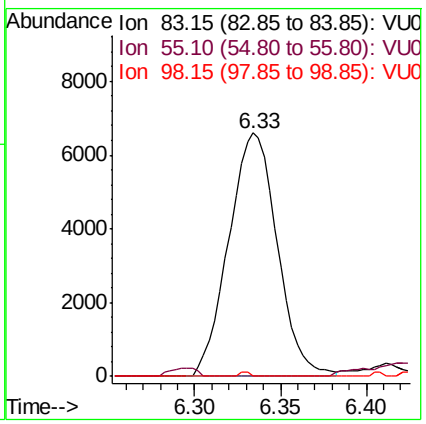


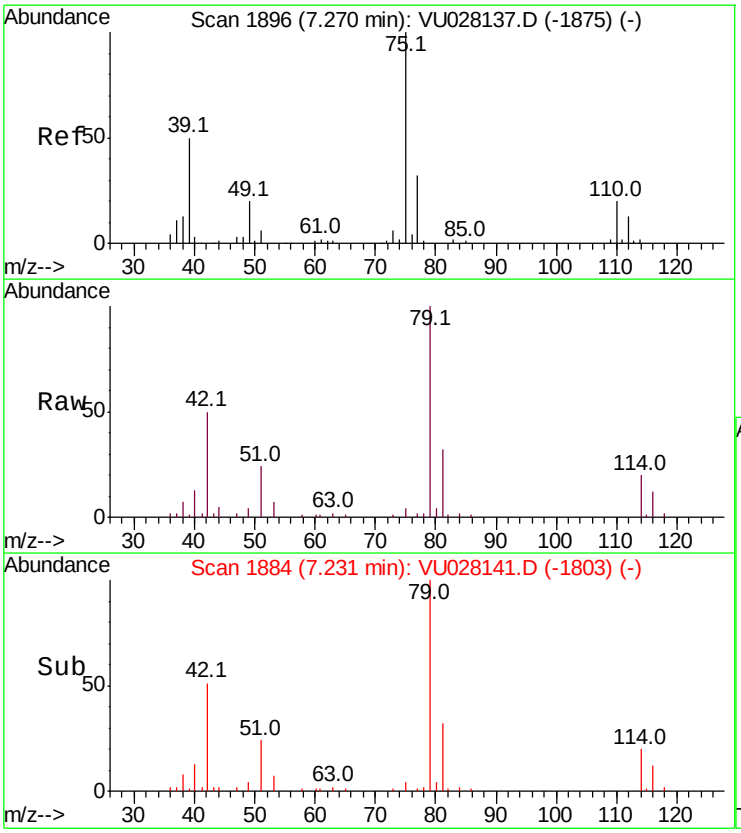
#35
Methylcyclohexane
Concen: 0.708 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion: 83 Resp: 12911

Ion	Ratio	Lower	Upper
83	100		
55	1.9	69.0	103.4#
98	0.0	33.3	49.9#

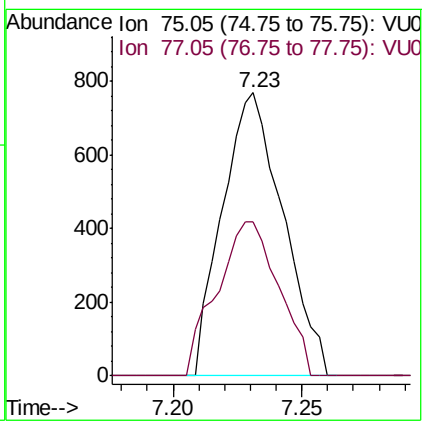


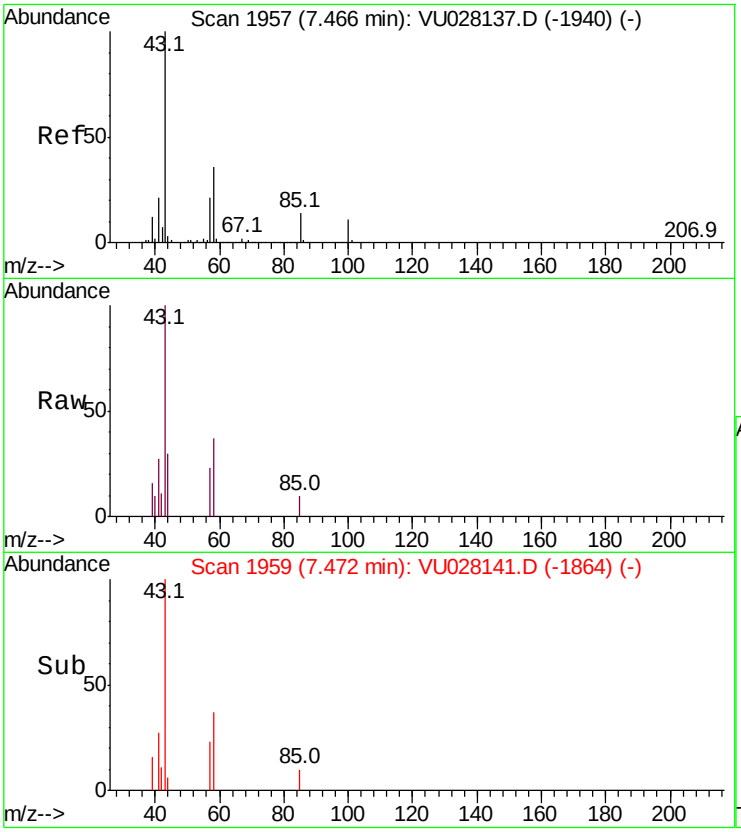


#39
cis-1,3-Dichloropropene
Concen: 0.078 ug/L
RT: 7.23 min Scan# 1884
Delta R.T. -0.04 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion: 75 Resp: 1257

Ion	Ratio	Lower	Upper
75	100		
77	54.6	20.9	38.9#



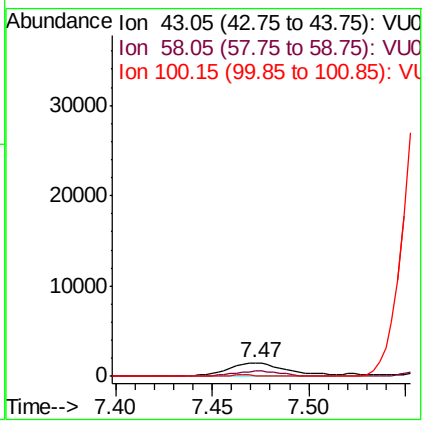


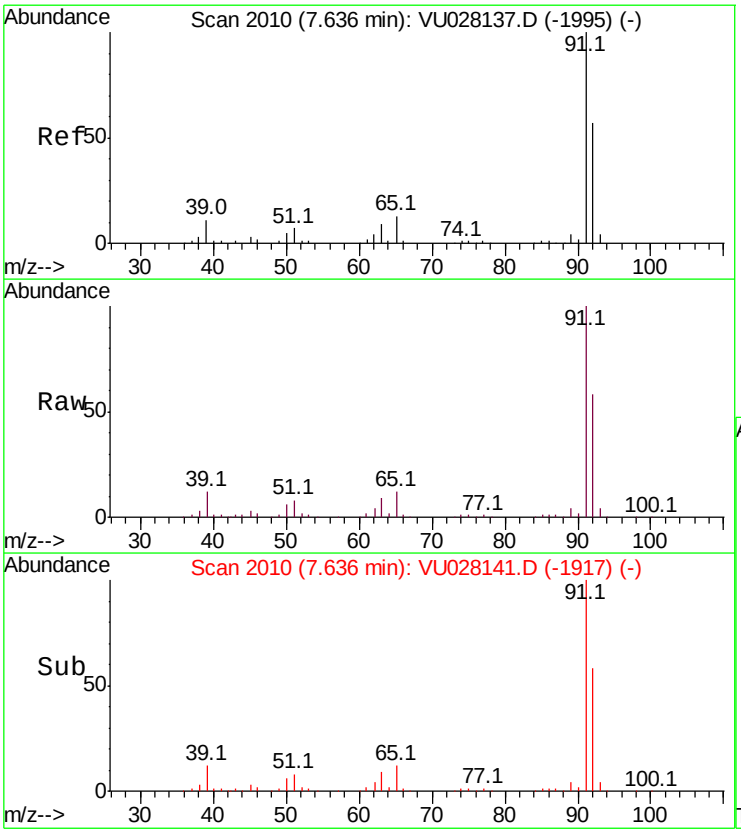
#40
4-Methyl-2-pentanone
Concen: 0.390 ug/L
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion: 43 Resp: 3183

Ion	Ratio	Lower	Upper
43	100		
58	30.7	29.9	44.9
100	0.0	9.1	13.7#

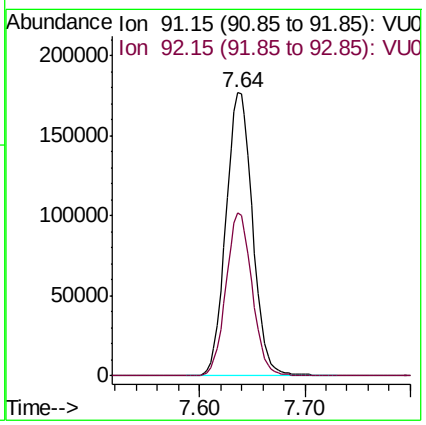


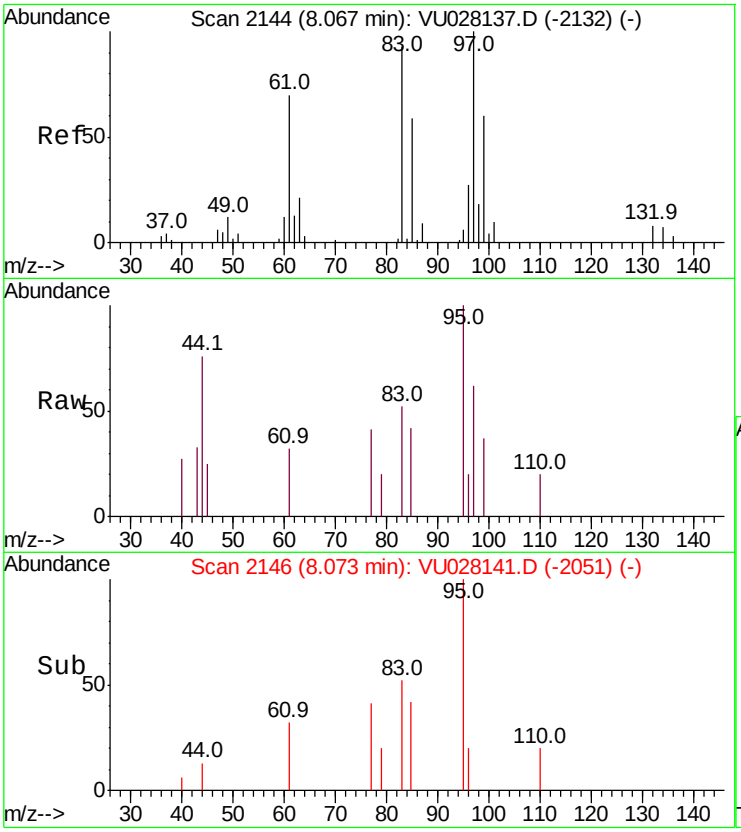


#42
Toluene
Concen: 6.995 ug/L
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion: 91 Resp: 309433

Ion	Ratio	Lower	Upper
91	100		
92	57.6	40.7	75.7



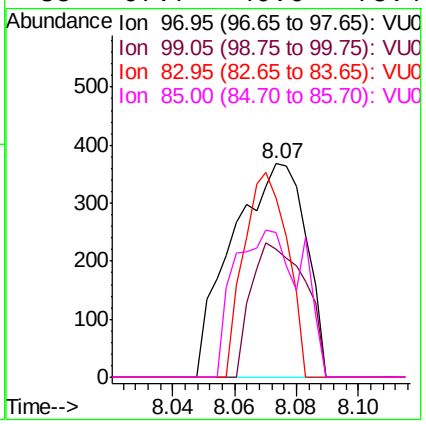


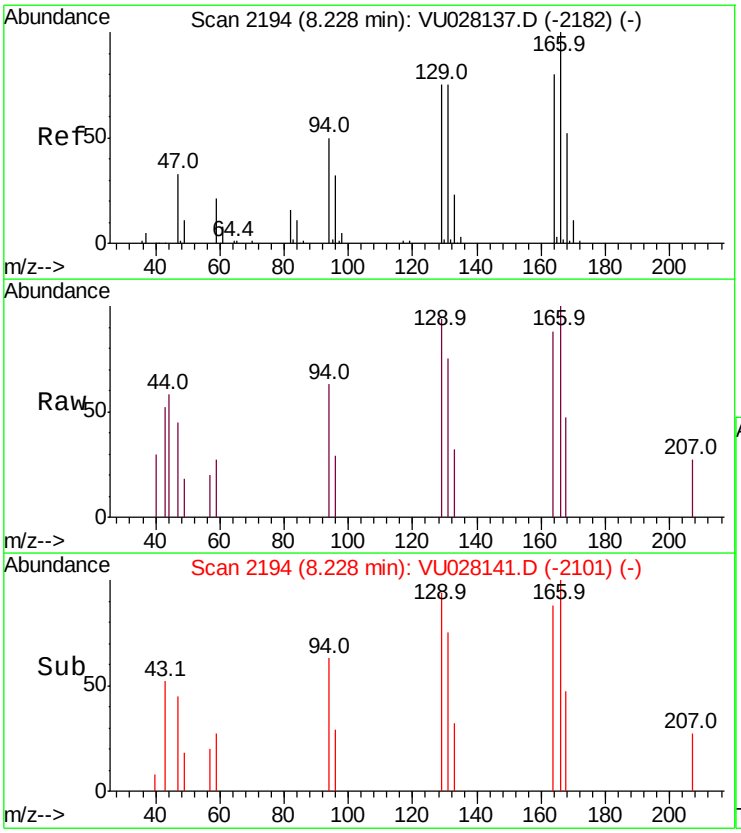
#45
1,1,2-Trichloroethane
Concen: 0.085 ug/L
RT: 8.07 min Scan# 2146
Delta R.T. 0.01 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion: 97 Resp: 609

Ion	Ratio	Lower	Upper
97	100		
99	59.8	42.1	78.1
83	83.7	63.7	118.3
85	67.7	40.6	75.4

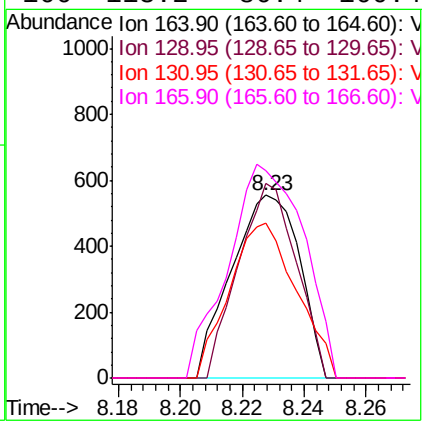


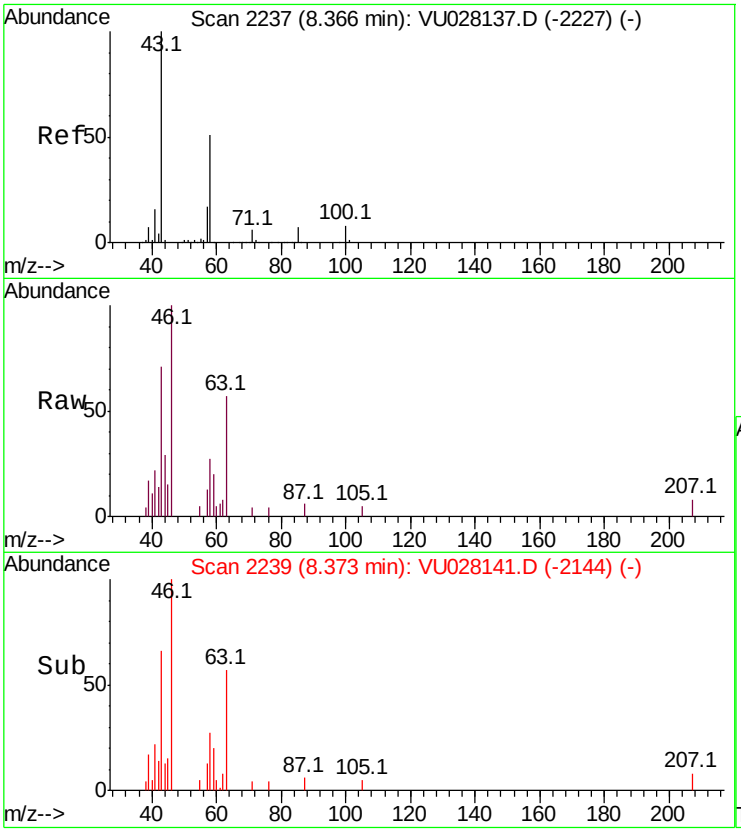


#47
Tetrachloroethene
Concen: 0.098 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion:164 Resp: 847

Ion	Ratio	Lower	Upper
164	100		
129	106.7	69.7	129.4
131	84.7	64.0	118.8
166	113.2	86.4	160.4



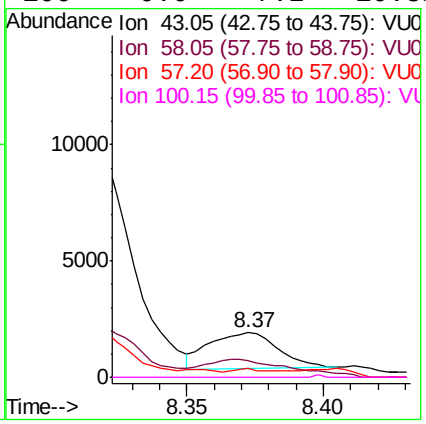


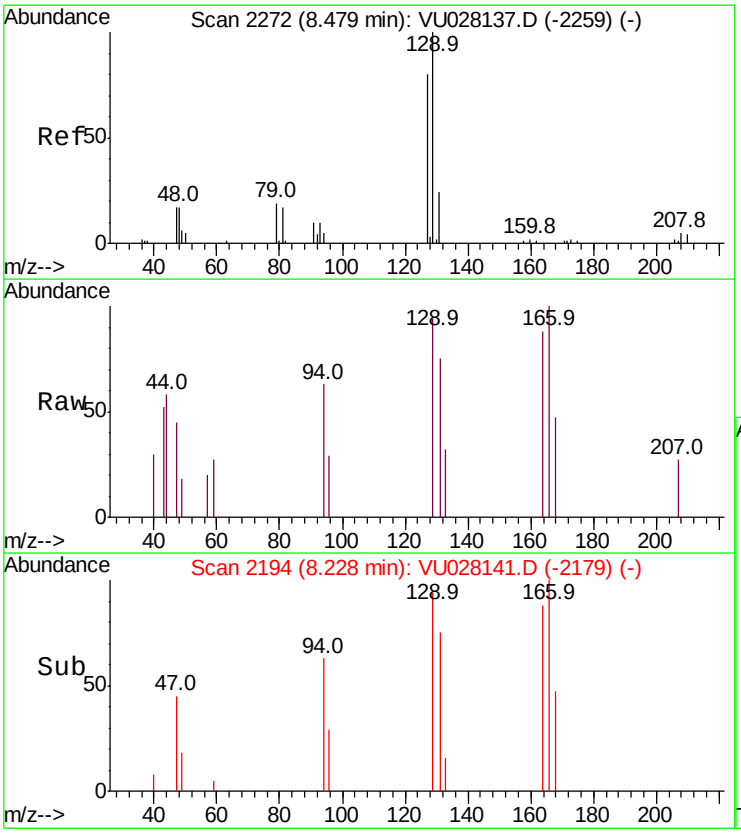
#48
2-Hexanone
Concen: 0.470 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion: 43 Resp: 2733

Ion	Ratio	Lower	Upper
43	100		
58	61.8	41.7	62.5
57	17.1	14.0	21.0
100	0.0	7.2	10.8#

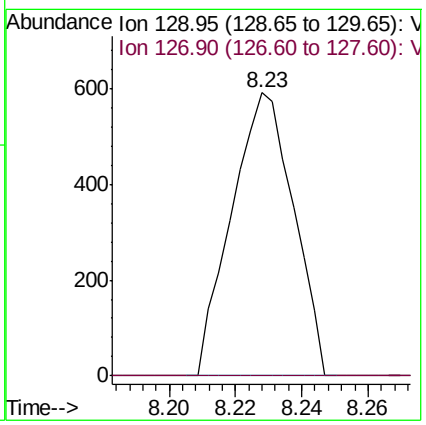


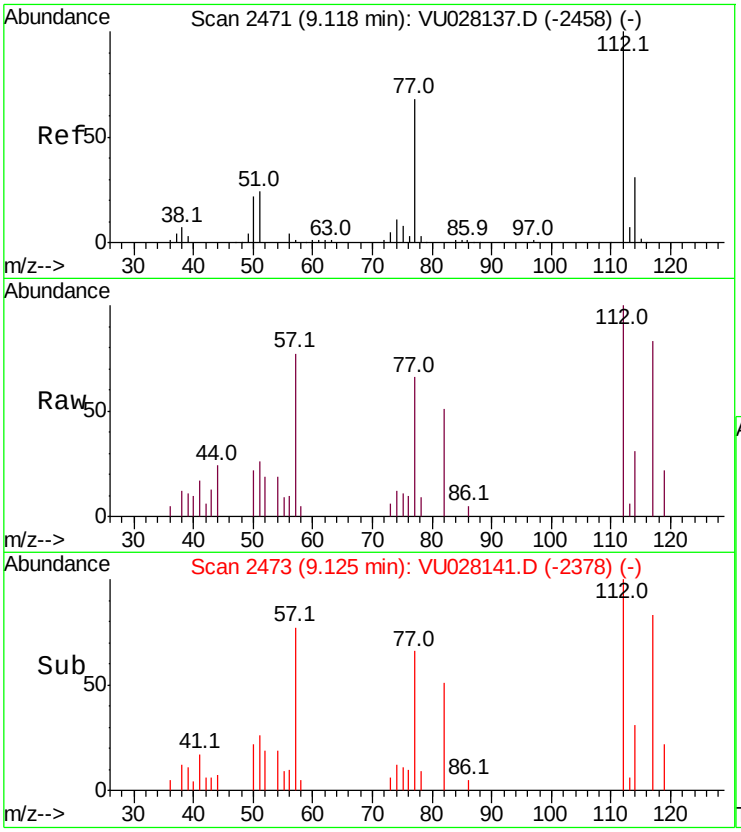


#49
Dibromochloromethane
Concen: 0.101 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion:129 Resp: 767

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.1	100.5#



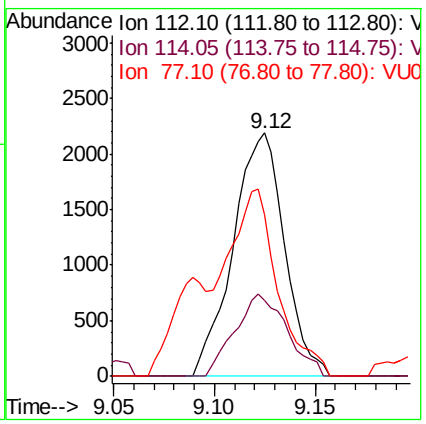


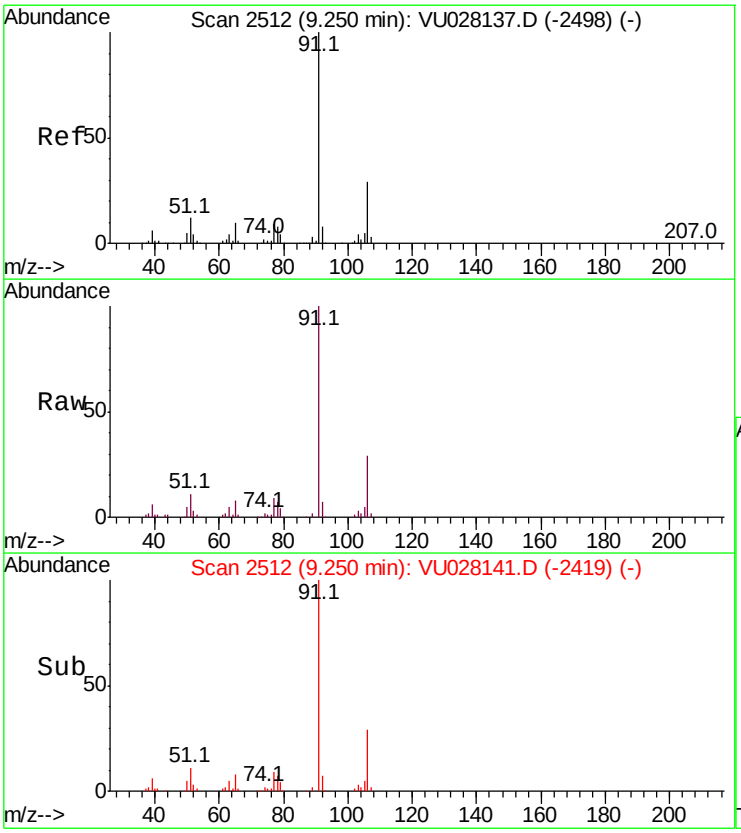
#51
Chlorobenzene
Concen: 0.151 ug/L
RT: 9.12 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument :
MSVOA_U
ClientSampleId :
H0FH1

Tgt Ion:112 Resp: 3911

Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.5	41.7
77	66.4	51.3	76.9

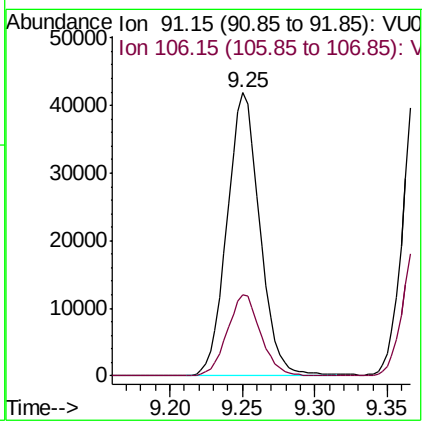


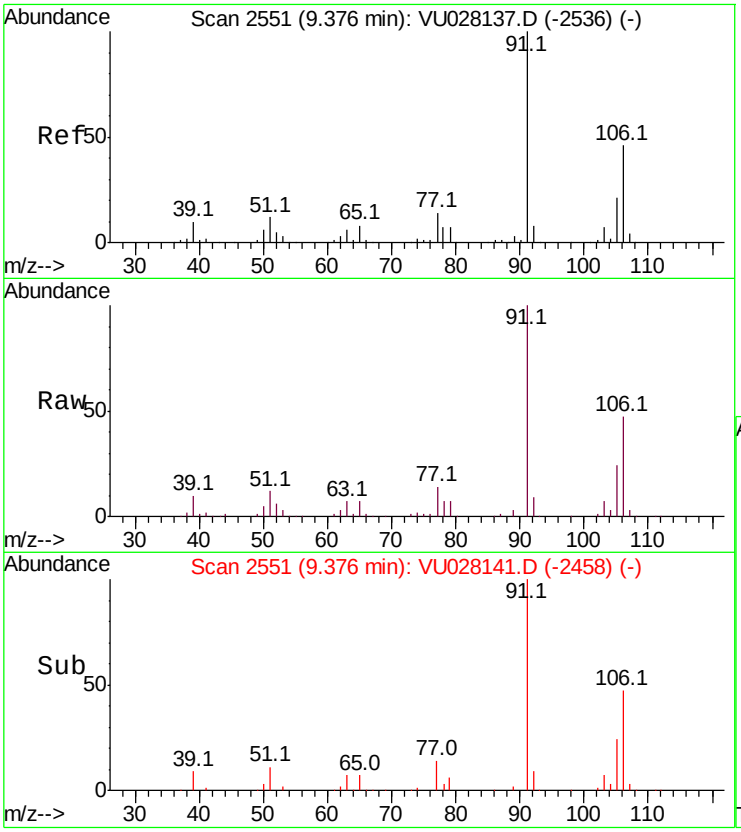


#52
Ethylbenzene
Concen: 1.360 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion: 91 Resp: 65687

Ion	Ratio	Lower	Upper
91	100		
106	28.8	20.9	38.7



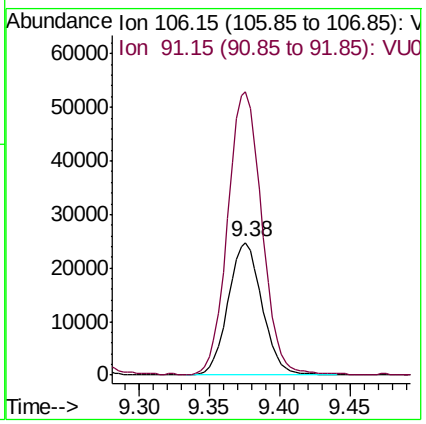


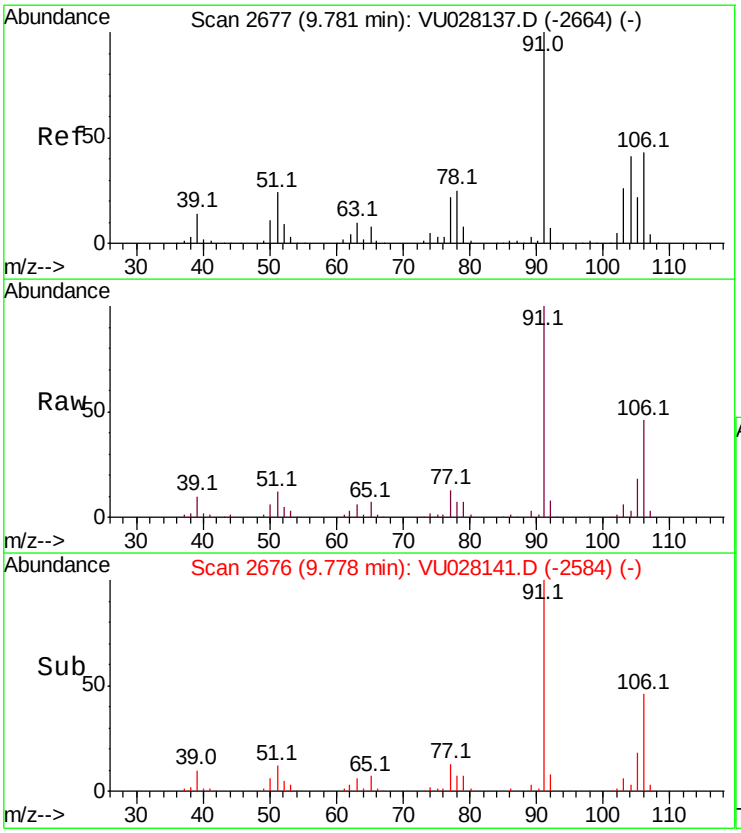
#53
m,p-xylene
Concen: 2.379 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument :
MSVOA_U
ClientSampleId :
H0FH1

Tgt Ion:106 Resp: 41847

Ion	Ratio	Lower	Upper
106	100		
91	213.7	145.7	270.7

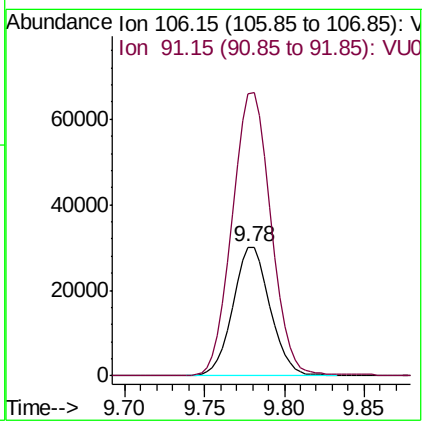


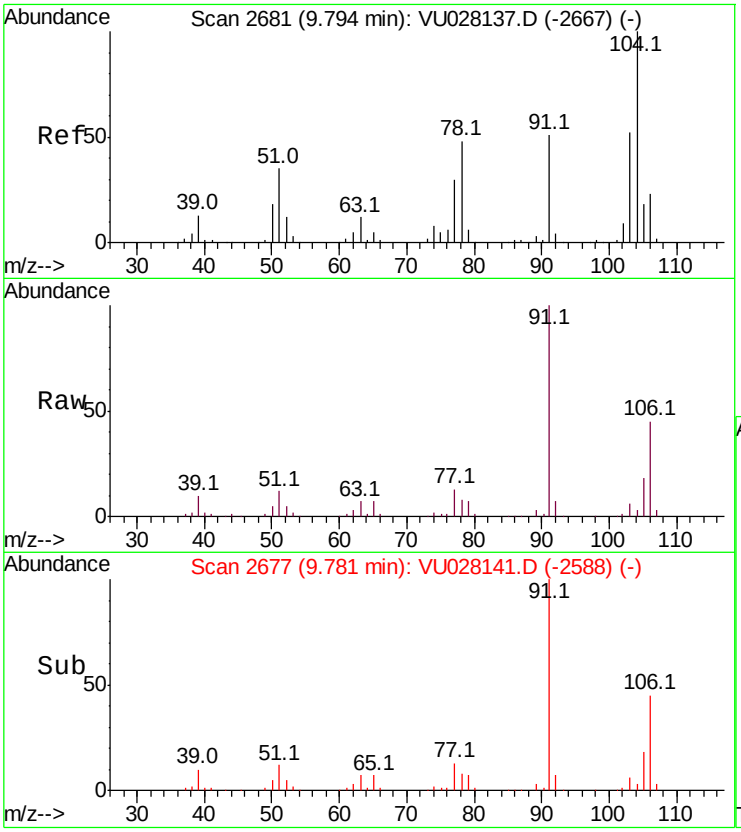


#54
o-xylene
Concen: 2.805 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion:106 Resp: 47513

Ion	Ratio	Lower	Upper
106	100		
91	218.9	158.7	294.7



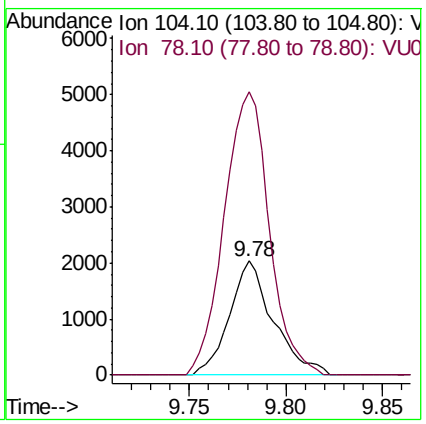


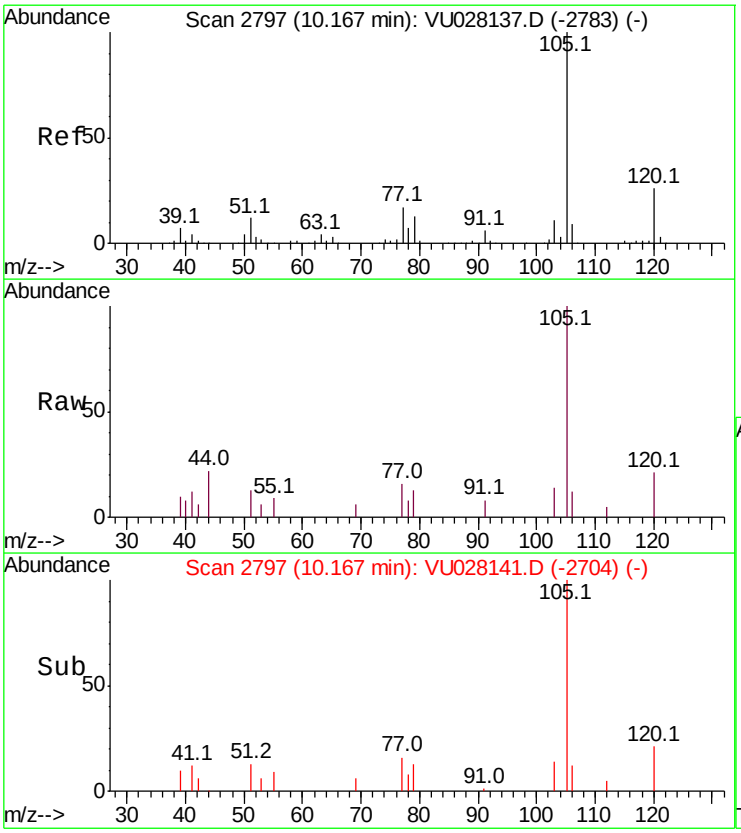
#55
Stvrene
Concen: 0.112 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. -0.01 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion:104 Resp: 3196

Ion	Ratio	Lower	Upper
104	100		
78	248.2	34.5	64.1#

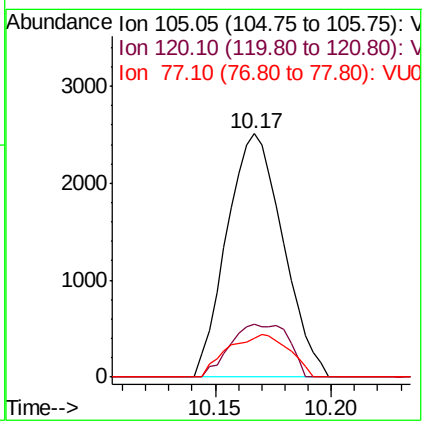


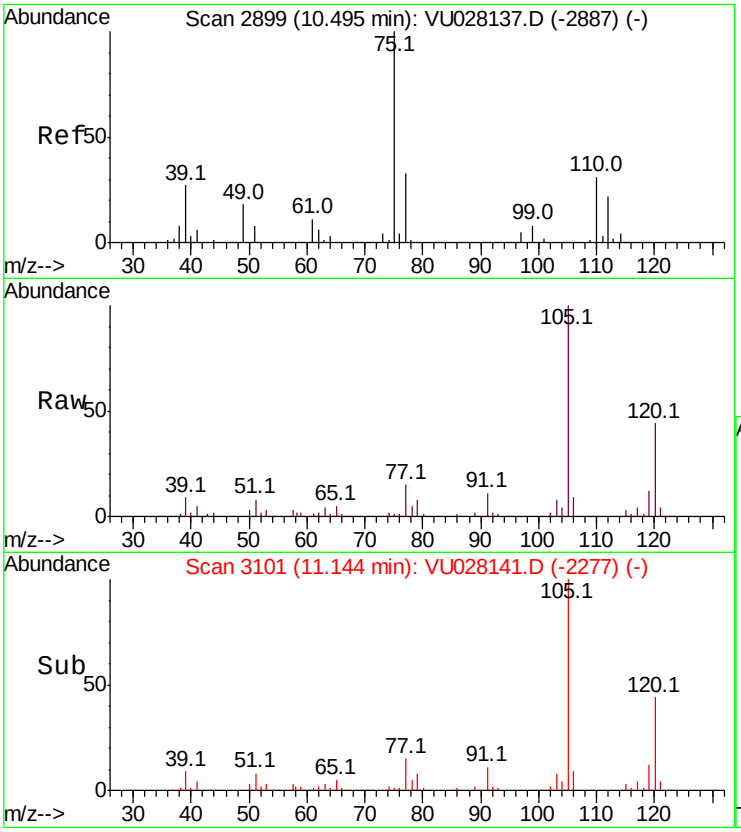


#56
Isopropylbenzene
Concen: 0.092 ug/L
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion:105 Resp: 4221

Ion	Ratio	Lower	Upper
105	100		
120	22.6	20.5	30.7
77	19.1	13.3	19.9



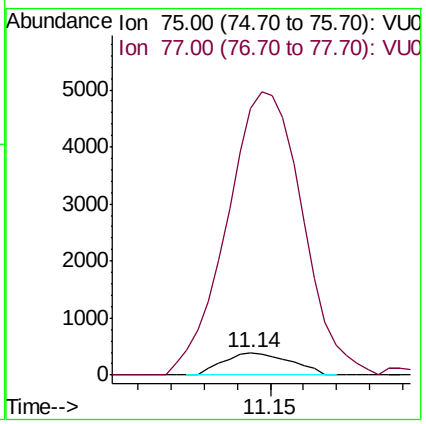


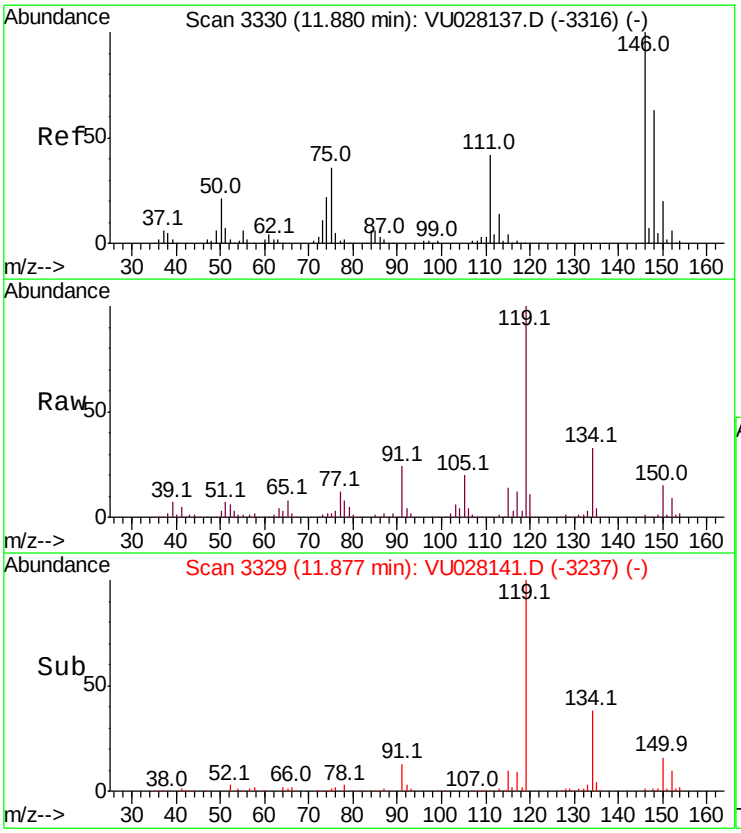
#59
1,2,3-Trichloropropane
Concen: 0.084 ug/L
RT: 11.14 min Scan# 3101
Delta R.T. 0.65 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion: 75 Resp: 559

Ion	Ratio	Lower	Upper
75	100		
77	1409.3	25.4	38.0#

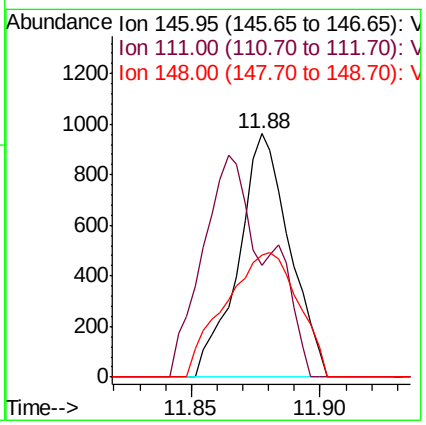


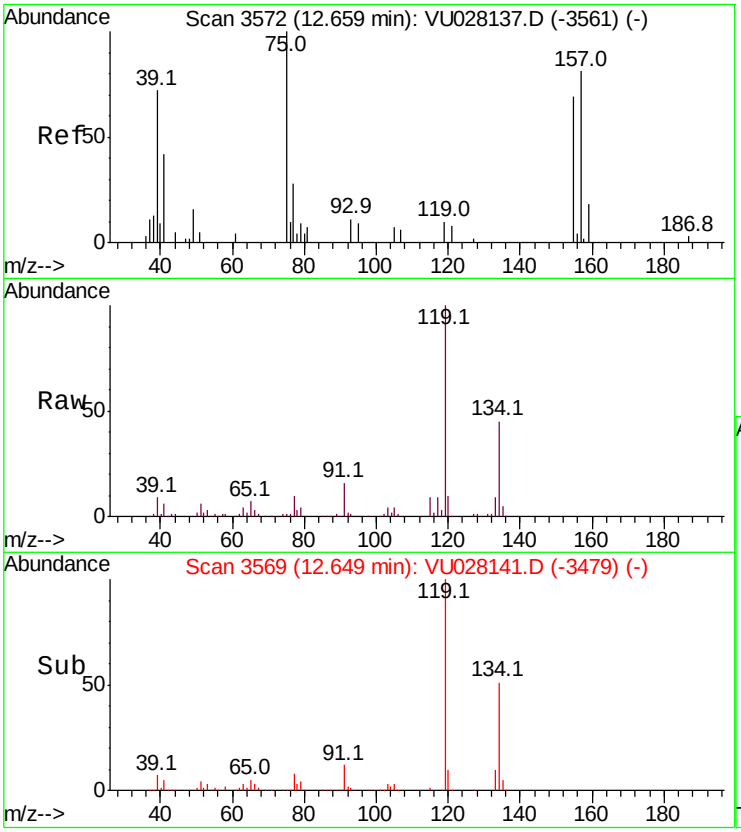


#65
1,2-Dichlorobenzene
Concen: 0.073 ug/L
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion:146 Resp: 1334

Ion	Ratio	Lower	Upper
146	100		
111	45.8	33.9	50.9
148	50.4	50.9	76.3#



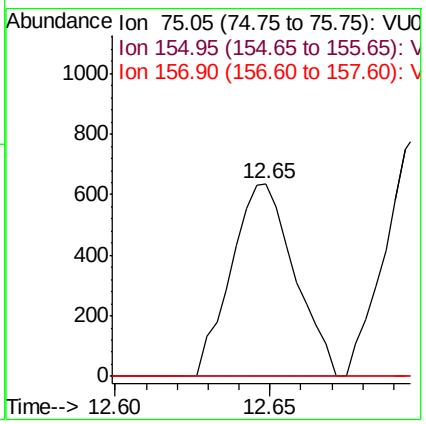


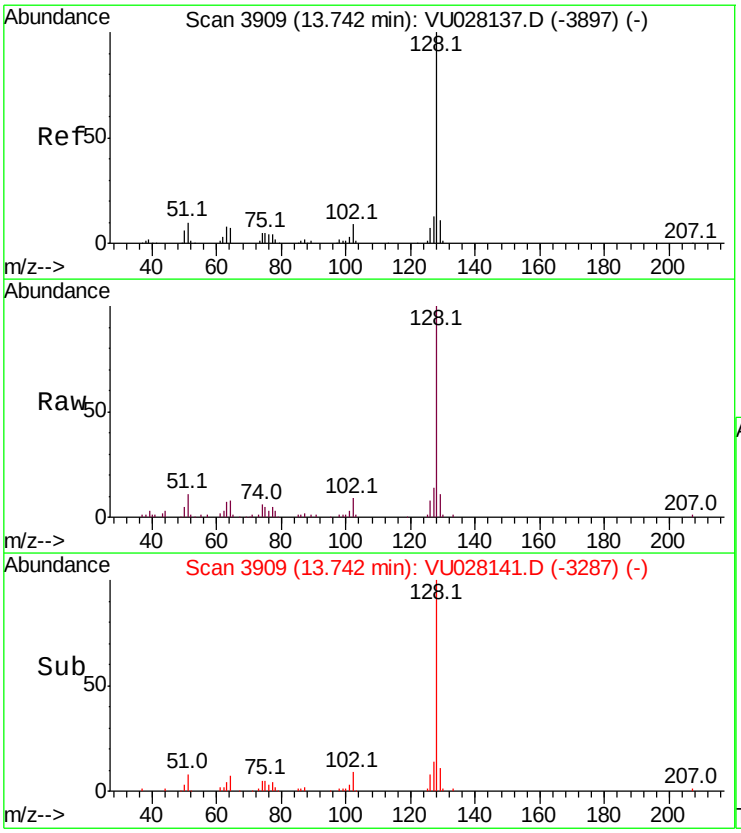
#66
1,2-Dibromo-3-chloropropane
Concen: 0.678 ug/L
RT: 12.65 min Scan# 3569
Delta R.T. -0.01 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument : MSVOA_U
ClientSampleId : H0FH1

Tgt Ion: 75 Resp: 900

Ion	Ratio	Lower	Upper
75	100		
155	0.0	62.8	94.2#
157	0.0	85.3	127.9#





#69
Naphthalene
Concen: 2.014 ug/L
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion:128 Resp: 48031

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.5	12.7
127	13.6	10.2	15.4