Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\

Quantitation Report (Not Reviewed)

Data File : VU031697.D
Acq On : 01 May 2019 20:31
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD05059

Quant Time: May 02 02:29:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 02 02:23:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	891288	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	866457	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	401873	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	352897	47.31	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 94.62%			
7) Chloroethane-d5	1.68	69	277129	48.08	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.16%			
11) 1,1-Dichloroethene-d2	2.27	63	677235	45.59	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 91.18%			
21) 2-Butanone-d5	4.19	46	716671	106.04	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 106.04%			
24) Chloroform-d	4.64	84	592406	43.36	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 86.72%			
26) 1,2-Dichloroethane-d4	5.31	65	379632	42.53	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 85.06%			
32) Benzene-d6	5.34	84	1186514	44.59	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.18%			
36) 1,2-Dichloropropane-d6	6.32	67	418145	44.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 89.34%			
41) Toluene-d8	7.56	98	1055590	45.55	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.10%			
43) trans-1,3-Dichloropropene-	7.85	79	192286	47.85	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.70%			
47) 2-Hexanone-d5	8.31	63	491617	121.34	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 121.34%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	582168	46.34	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 92.68%			
64) 1,2-Dichlorobenzene-d4	11.85	152	383236	45.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	400463	40.860	ug/L	98
3) Chloromethane	1.32	50	501992	42.333	ug/L	100
5) Vinyl chloride	1.40	62	473306	42.692	ug/L	100
6) Bromomethane	1.63	94	253453	43.350	ug/L	99
8) Chloroethane	1.70	64	276027	45.547	ug/L	99
9) Trichlorofluoromethane	1.88	101	537236	42.508	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	308934	43.242	ug/L	99
12) 1,1-Dichloroethene	2.28	96	310845	44.701	ug/L	97
13) Acetone	2.34	43	558367	73.343	ug/L	98
14) Carbon disulfide	2.47	76	942789	40.856	ug/L	100
15) Methyl Acetate	2.62	43	551932	47.913	ug/L	98
16) Methylene chloride	2.70	84	373640	45.530	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	327886	45.251	ug/L	97
18) Methyl tert-butyl Ether	2.99	73	1209866	52.408	ug/L	98
19) 1,1-Dichloroethane	3.44	63	696014	45.610	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	384366	49.452	ug/L	99
22) 2-Butanone	4.27	43	835352	99.040	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\

Quantitation Report (Not Reviewed)

Data File : VU031697.D
Acq On : 01 May 2019 20:31
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VSTD05059

Quant Time: May 02 02:29:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 02 02:23:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	175370	46.433	ug/L	90
25) Chloroform	4.67	83	660269	45.247	ug/L	99
27) 1,2-Dichloroethane	5.40	62	528948	44.626	ug/L	99
29) Cyclohexane	4.99	56	663428	48.379	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	538306	44.342	ug/L	98
31) Carbon tetrachloride	5.13	117	451578	43.520	ug/L	100
33) Benzene	5.39	78	1492288	46.845	ug/L	100
34) Trichloroethene	6.18	95	367009	47.528	ug/L	98
35) Methylcyclohexane	6.41	83	552157	47.712	ug/L	96
37) 1,2-Dichloropropane	6.43	63	426826	47.196	ug/L	100
38) Bromodichloromethane	6.75	83	492040	44.872	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	639793	53.539	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1520336	109.266	ug/L	99
42) Toluene	7.63	91	1571858	49.534	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	544865	50.270	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	359955	48.280	ug/L	99
46) Tetrachloroethene	8.22	164	244428	46.431	ug/L	94
48) 2-Hexanone	8.36	43	1193834	106.085	ug/L	98
49) Dibromochloromethane	8.47	129	364946	47.045	ug/L	99
50) 1,2-Dibromoethane	8.58	107	380681	48.346	ug/L	97
51) Chlorobenzene	9.12	112	929074	49.545	ug/L	98
52) Ethylbenzene	9.24	91	1730446	52.570	ug/L	99
53) m,p-Xylene	9.37	106	617906	53.878	ug/L	98
54) o-xylene	9.77	106	618899	54.433	ug/L	95
55) Styrene	9.79	104	1053038	54.209	ug/L	100
56) Isopropylbenzene	10.16	105	1590150	53.185	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	657463	49.695	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	537181	50.099	ug/L	98
61) Bromoform	9.95	173	269312	45.208	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	683296	51.365	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	678971	49.284	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	688743	48.716	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	158755	48.382	ug/L	88
67) 1,3,5-Trichlorobenzene	12.88	180	474030	47.577	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	441539	55.978	ug/L	99
69) Naphthalene	13.74	128	2174371	80.851	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	458432	51.049	ug/L	100

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

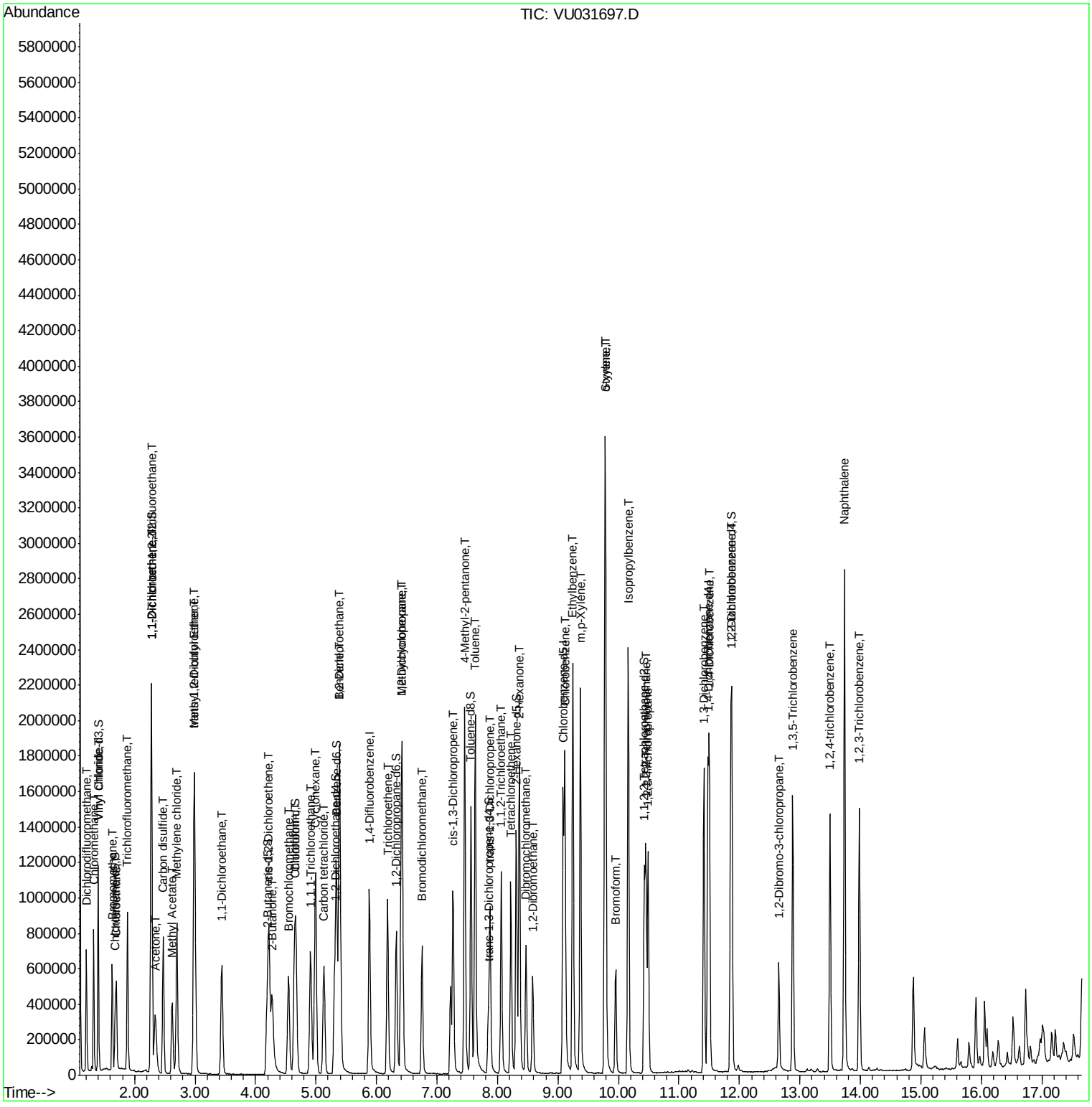
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\

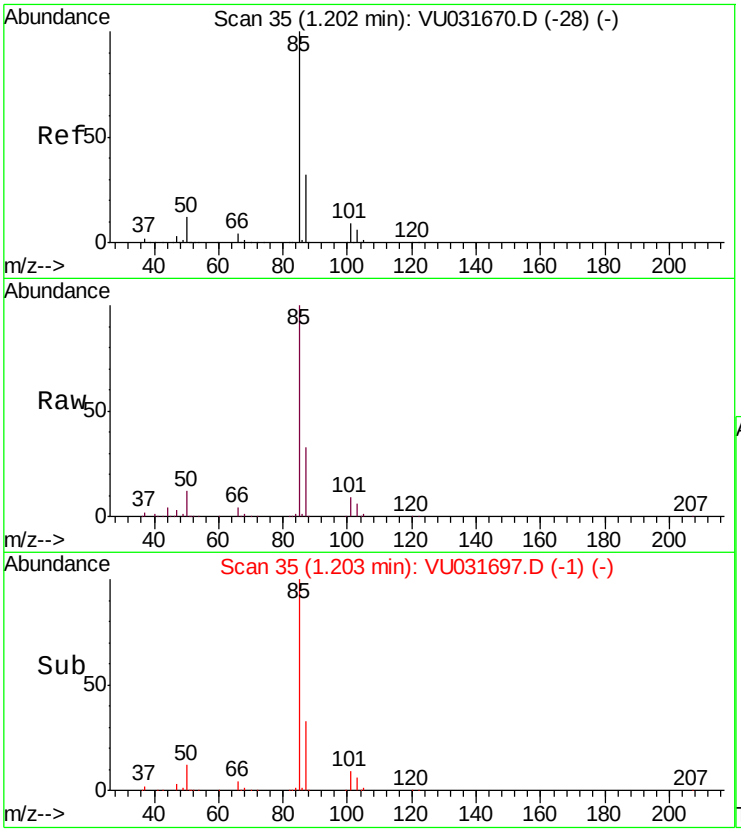
Quantitation Report (Not Reviewed)

Data File : VU031697.D
Acq On : 01 May 2019 20:31
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Quant Time: May 02 02:29:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 02 02:23:23 2019
Response via : Initial Calibration



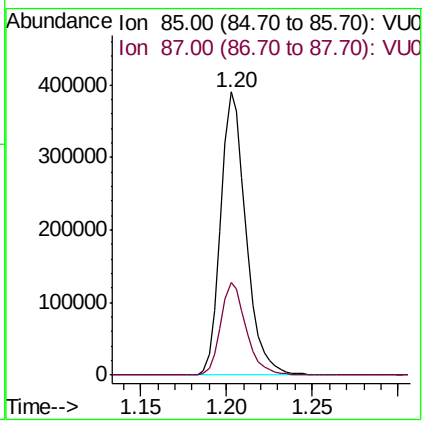


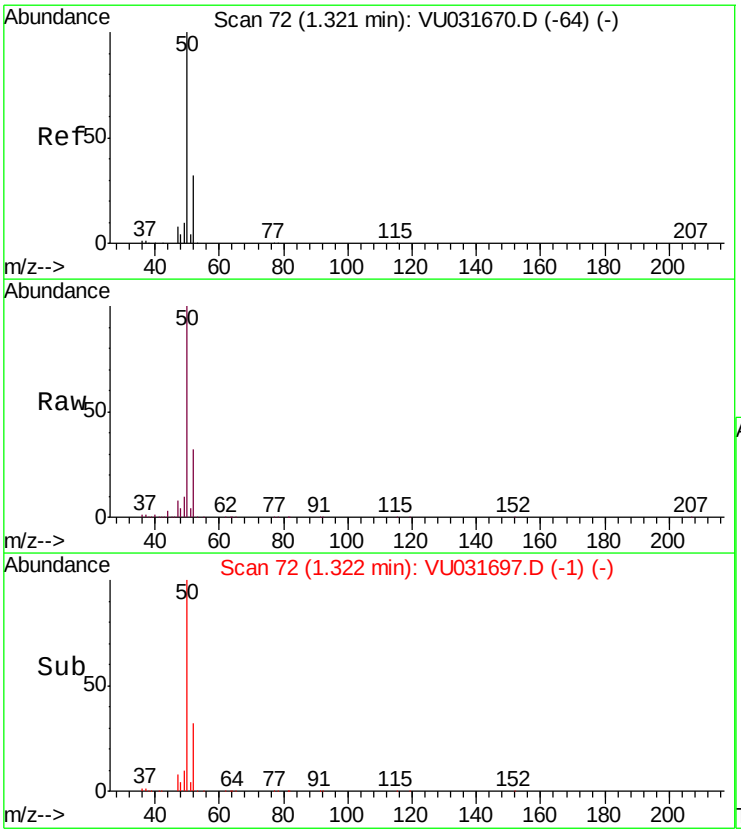
#2
Dichlorodifluoromethane
Concen: 40.860 ug/L
RT: 1.20 min Scan# 35
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument : MSVOA_U
ClientSampleId : VSTD05059

Tgt Ion: 85 Resp: 400463

Ion	Ratio	Lower	Upper
85	100		
87	32.9	25.4	38.0

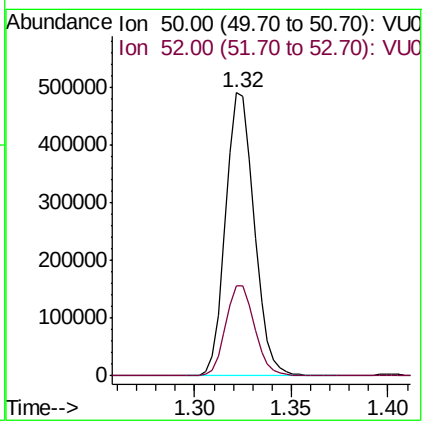


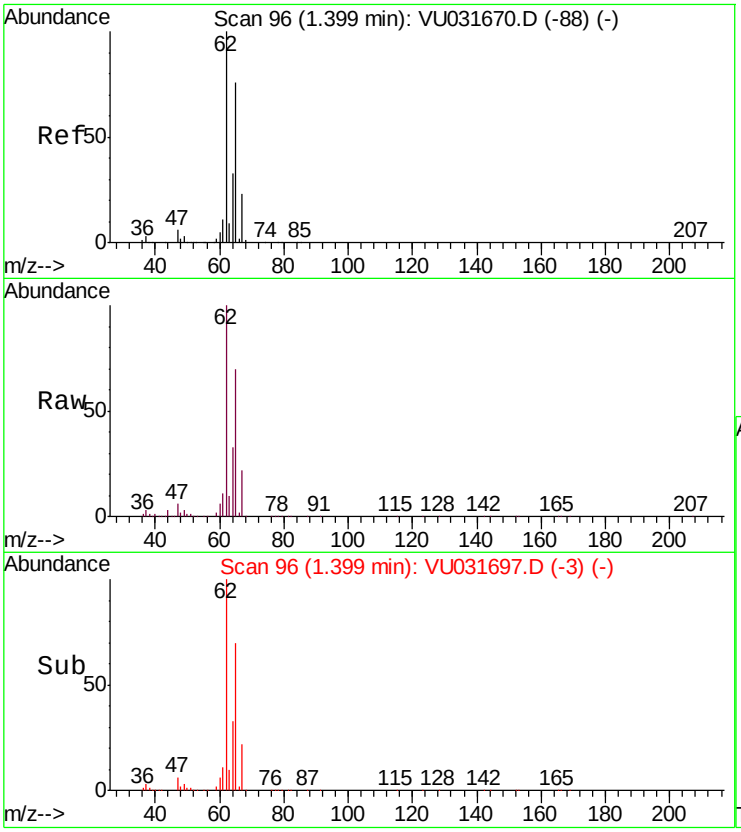


#3
Chloromethane
Concen: 42.333 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 50 Resp: 501992

Ion	Ratio	Lower	Upper
50	100		
52	32.0	22.6	42.0



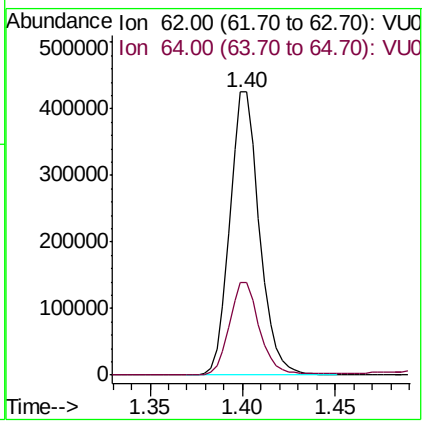


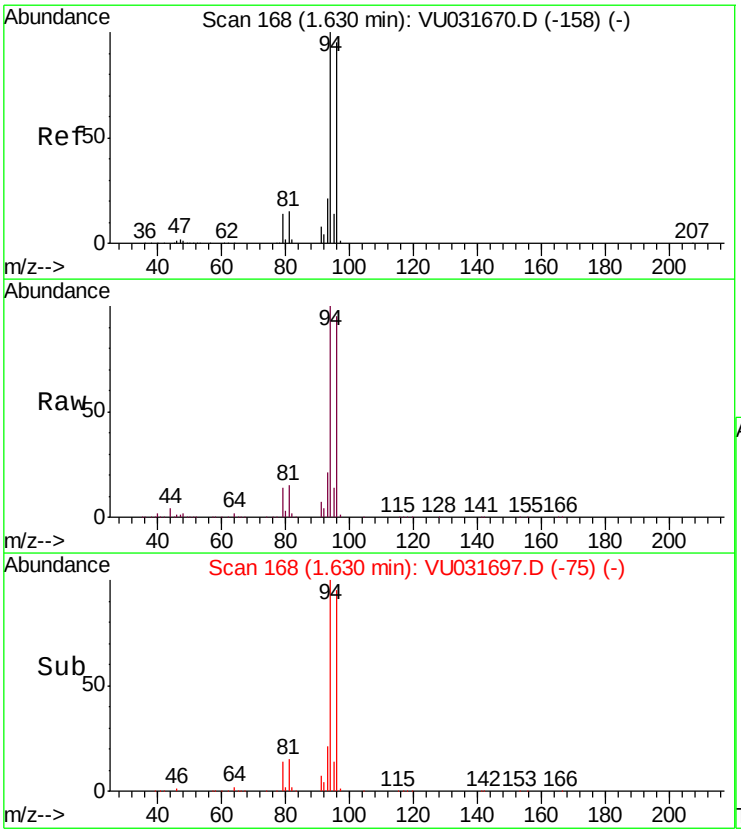
#5
Vinyl chloride
Concen: 42.692 ug/L
RT: 1.40 min Scan# 96
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 62 Resp: 473306

Ion	Ratio	Lower	Upper
62	100		
64	32.9	23.1	42.9

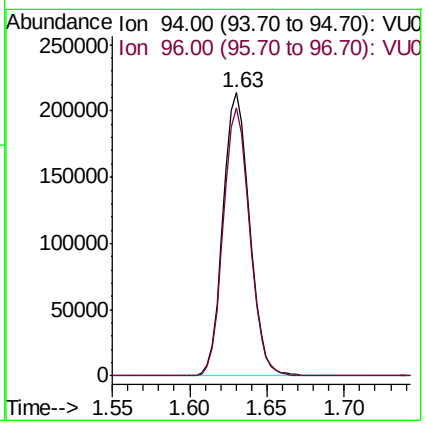


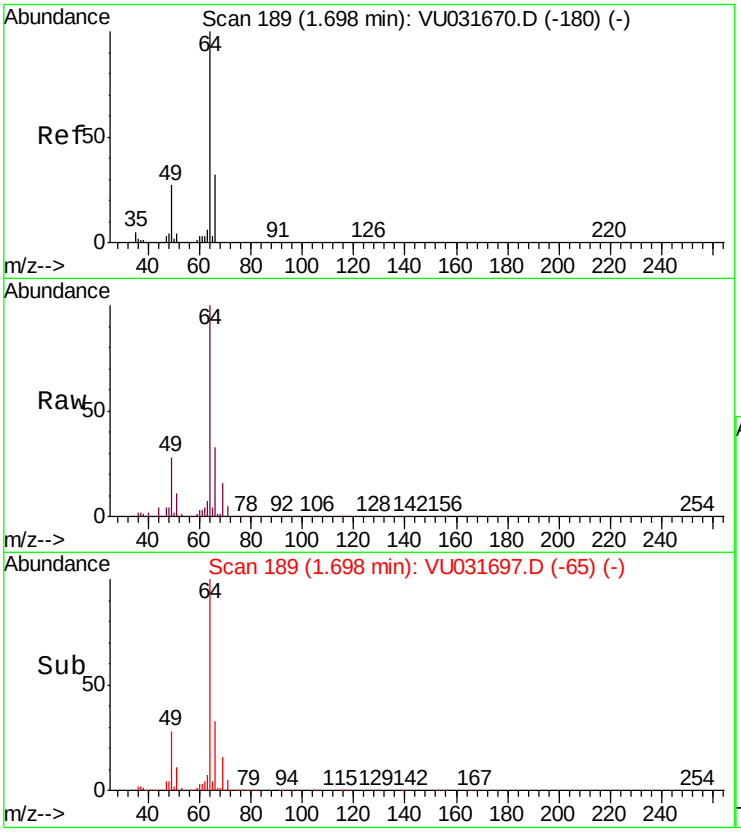


#6
Bromomethane
Concen: 43.350 ug/L
RT: 1.63 min Scan# 168
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 94 Resp: 253453

Ion	Ratio	Lower	Upper
94	100		
96	94.9	65.9	122.5



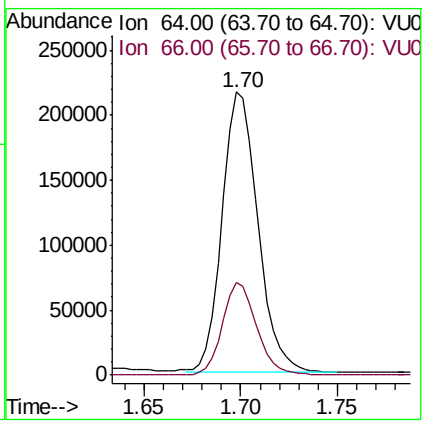


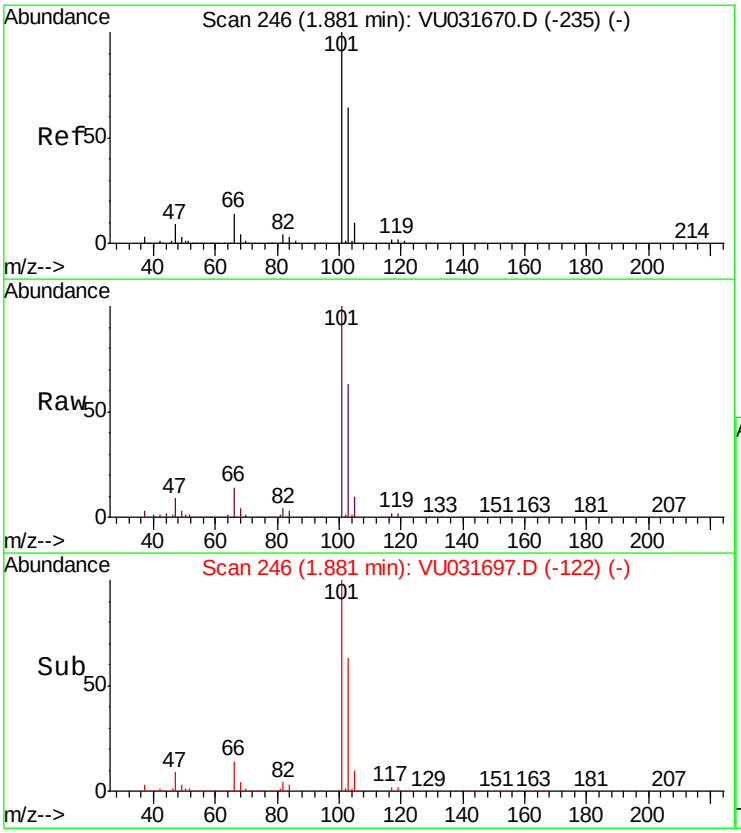
#8
Chloroethane
Concen: 45.547 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 64 Resp: 276027

Ion	Ratio	Lower	Upper
64	100		
66	32.7	23.2	43.0

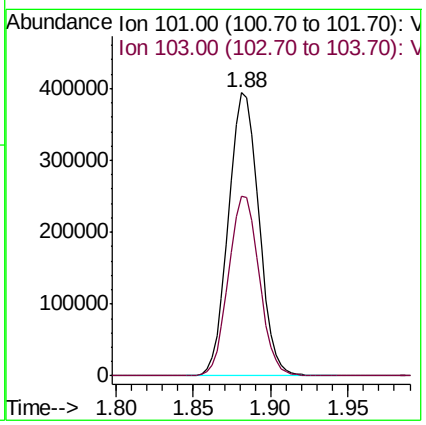


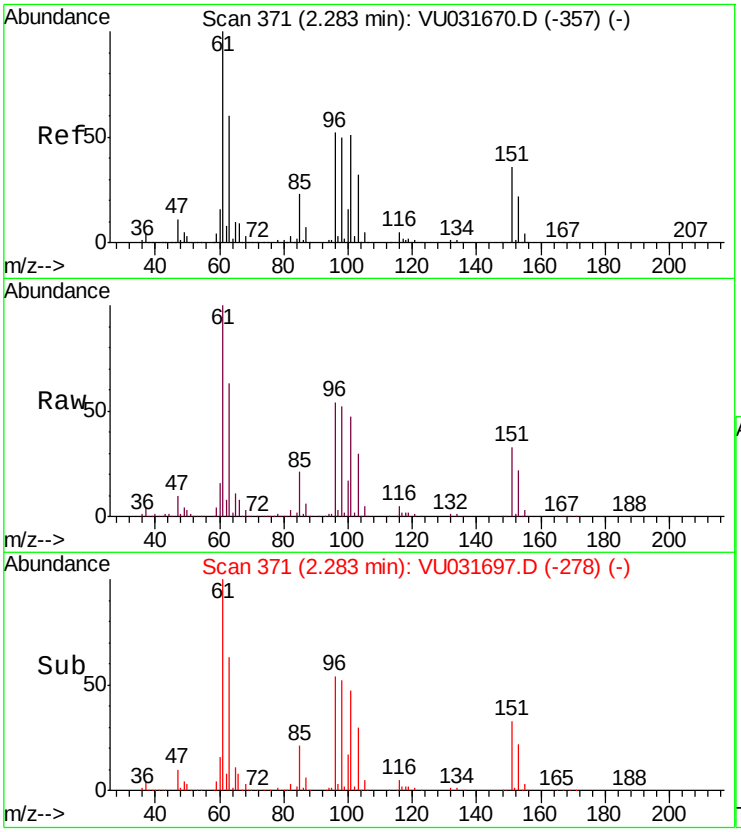


#9
Trichlorofluoromethane
Concen: 42.508 ug/L
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion:101 Resp: 537236

Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.8	76.2



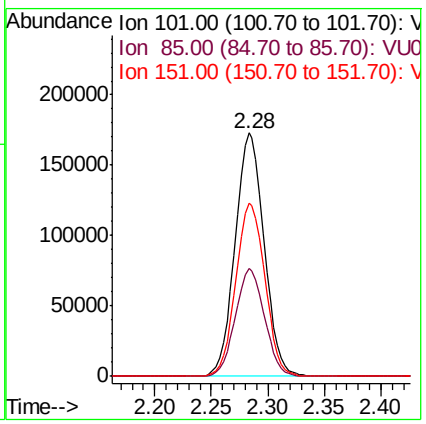


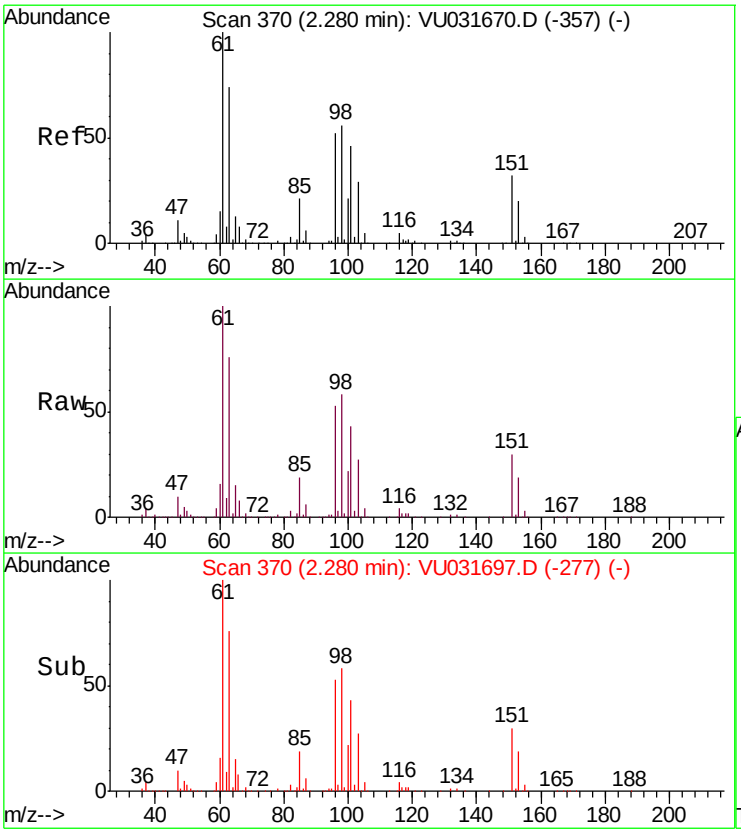
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.242 ug/L
RT: 2.28 min Scan# 371
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion:101 Resp: 308934

Ion	Ratio	Lower	Upper
101	100		
85	44.3	36.1	54.1
151	71.3	56.1	84.1

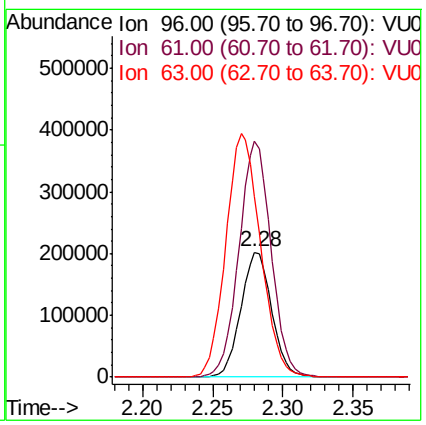


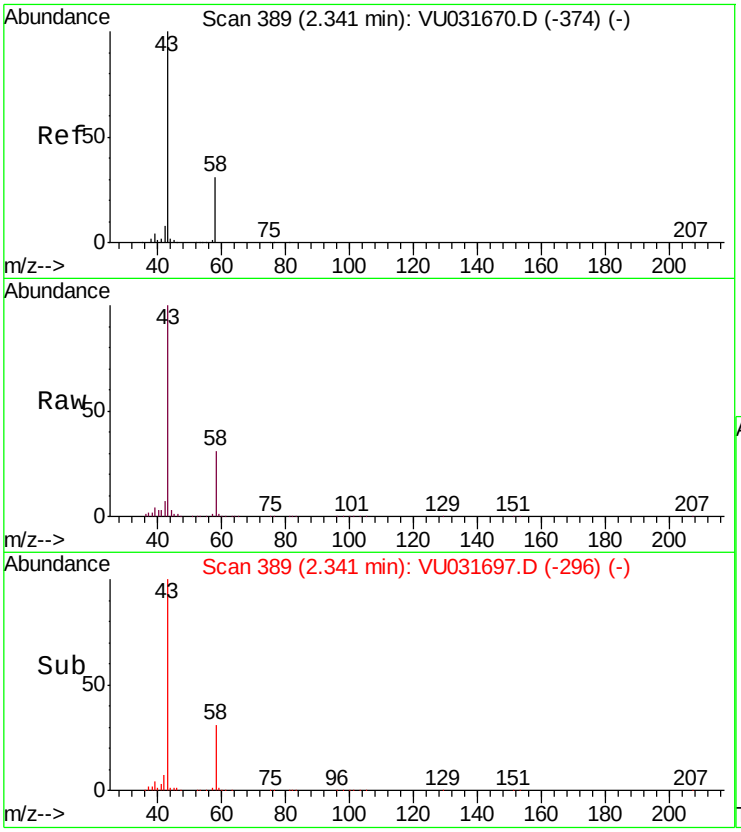


#12
1,1-Dichloroethene
Concen: 44.701 ug/L
RT: 2.28 min Scan# 370
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 96 Resp: 310845

Ion	Ratio	Lower	Upper
96	100		
61	189.3	135.0	250.6
63	144.4	103.5	192.3



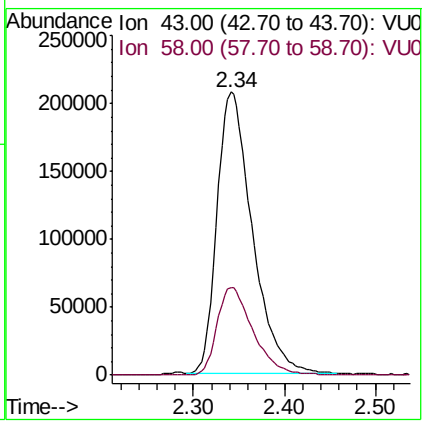


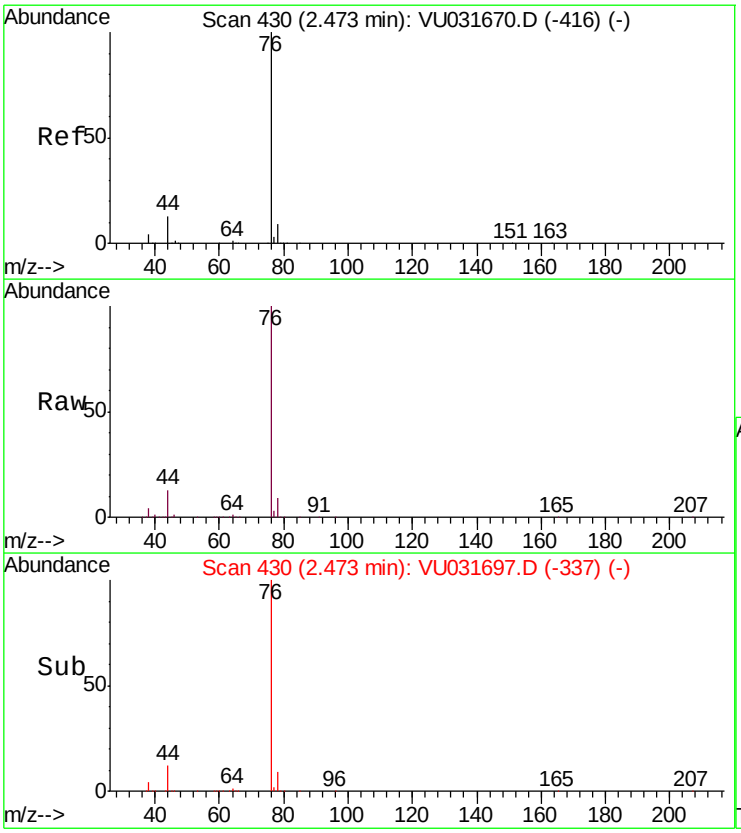
#13
Acetone
Concen: 73.343 ug/L
RT: 2.34 min Scan# 389
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 43 Resp: 558367

Ion	Ratio	Lower	Upper
43	100		
58	31.3	0.0	64.4

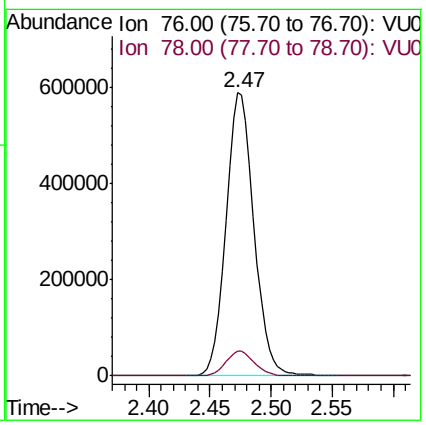


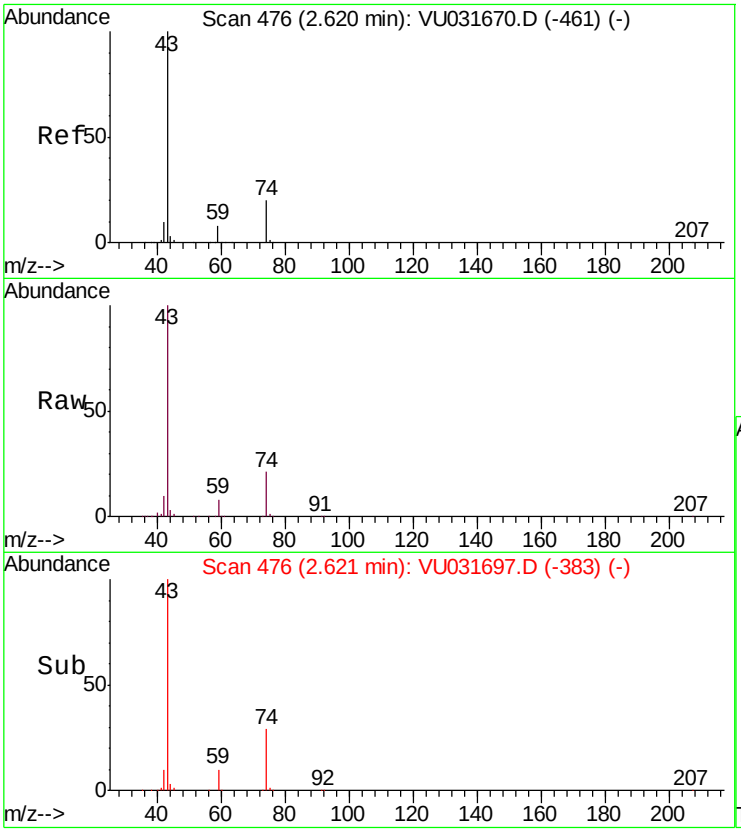


#14
Carbon disulfide
Concen: 40.856 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 76 Resp: 942789

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7



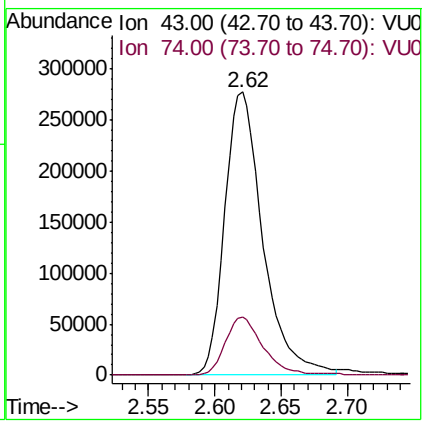


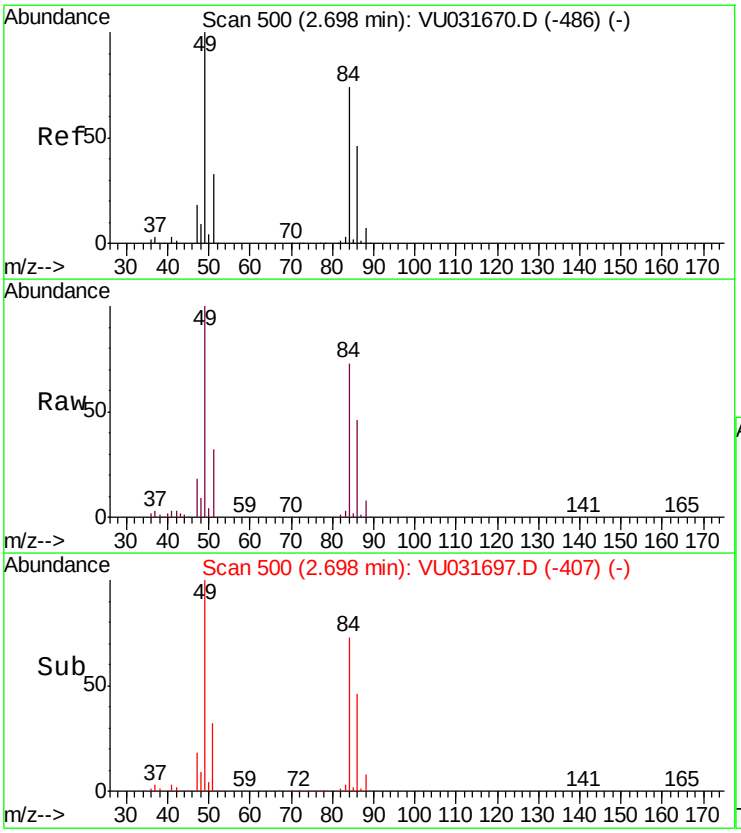
#15
Methyl Acetate
Concen: 47.913 ug/L
RT: 2.62 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 43 Resp: 551932

Ion	Ratio	Lower	Upper
43	100		
74	20.6	15.7	23.5

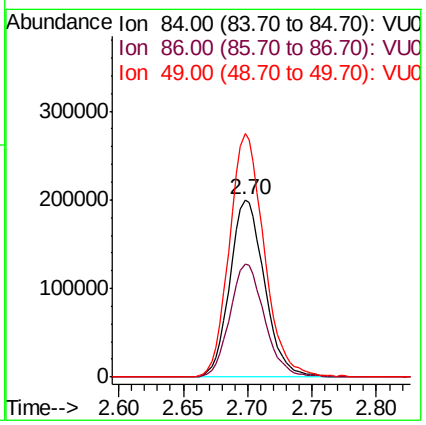


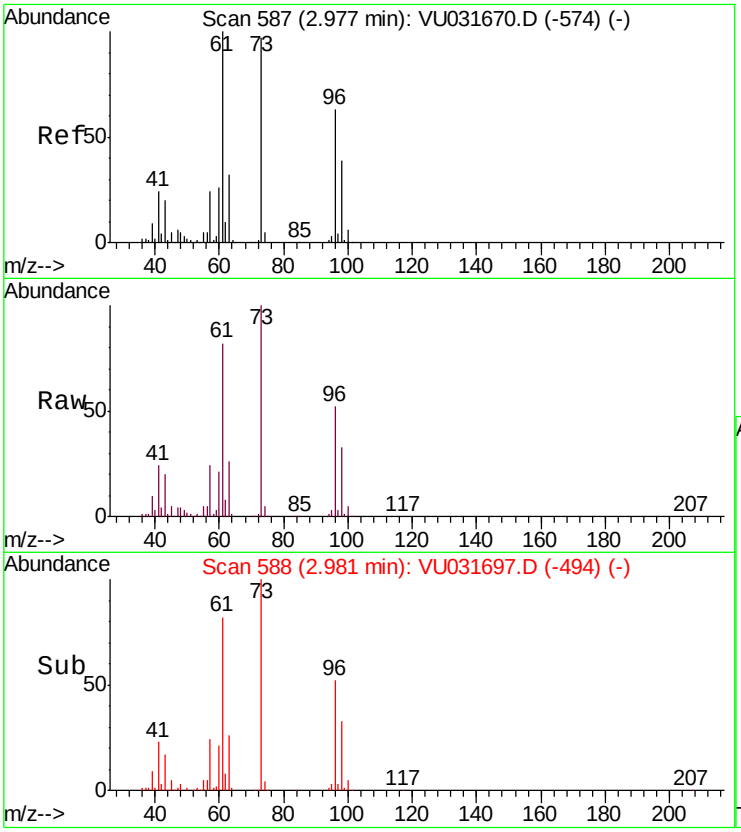


#16
Methylene chloride
Concen: 45.530 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 84 Resp: 373640

Ion	Ratio	Lower	Upper
84	100		
86	63.8	44.7	83.1
49	137.4	96.5	179.3



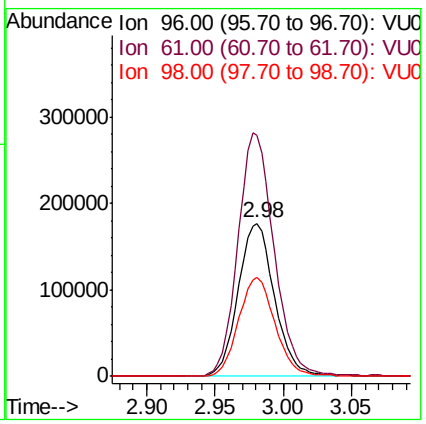


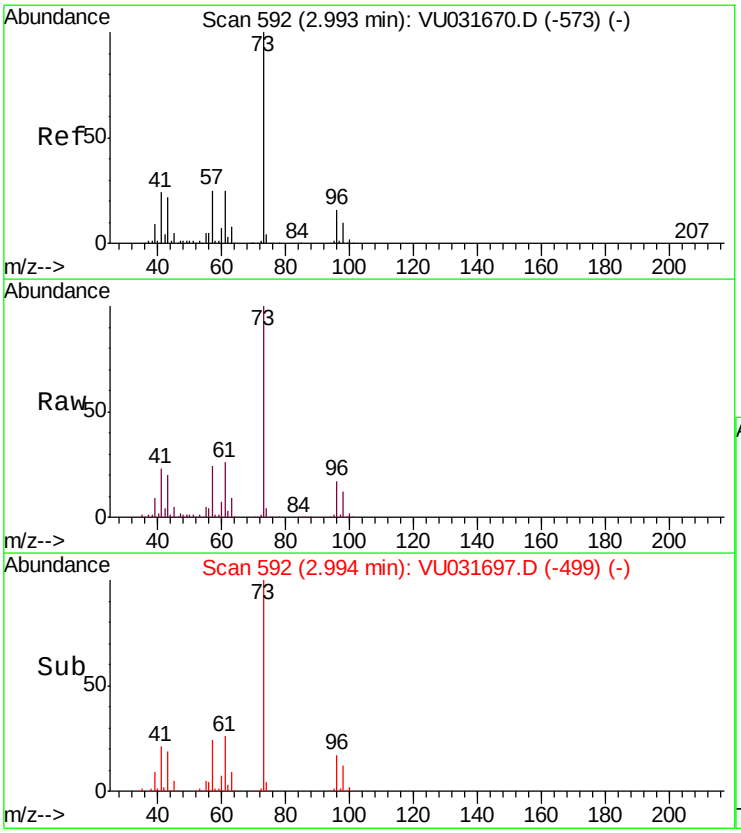
#17
trans-1,2-Dichloroethene
Concen: 45.251 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 96 Resp: 327886

Ion	Ratio	Lower	Upper
96	100		
61	157.8	114.5	212.7
98	64.6	45.4	84.2

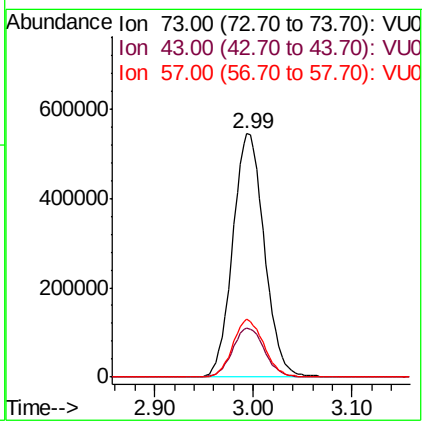


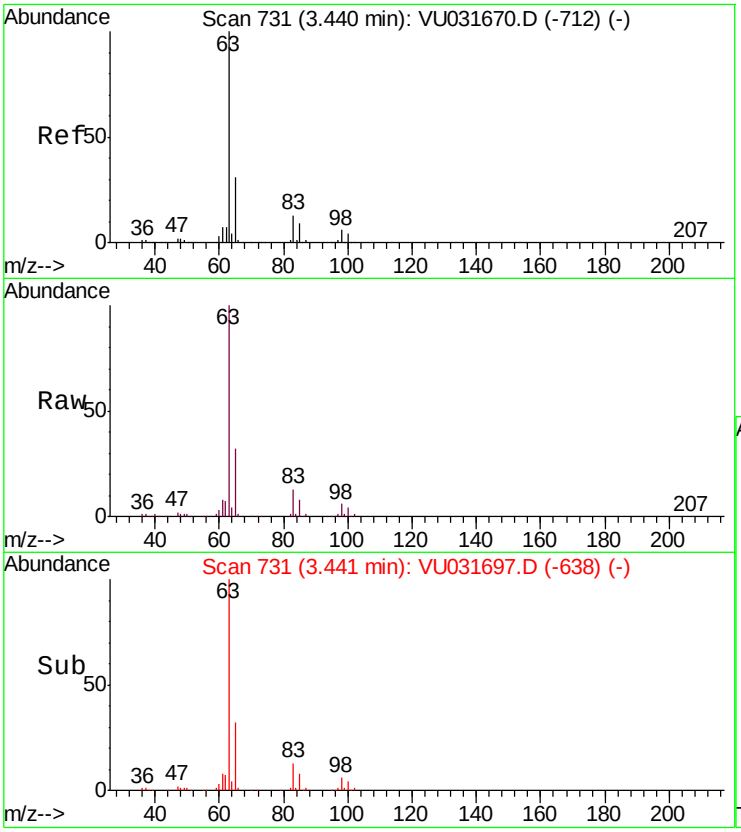


#18
Methyl tert-butyl Ether
Concen: 52.408 ug/L
RT: 2.99 min Scan# 592
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 73 Resp: 1209866

Ion	Ratio	Lower	Upper
73	100		
43	20.1	17.0	25.4
57	23.4	19.5	29.3



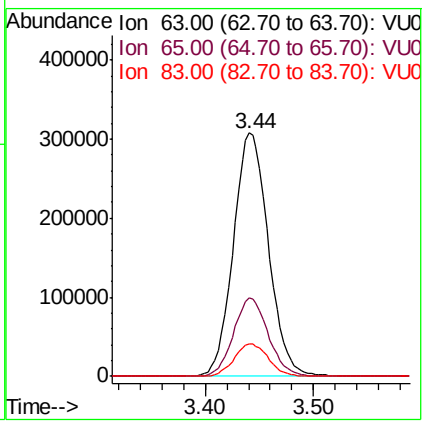


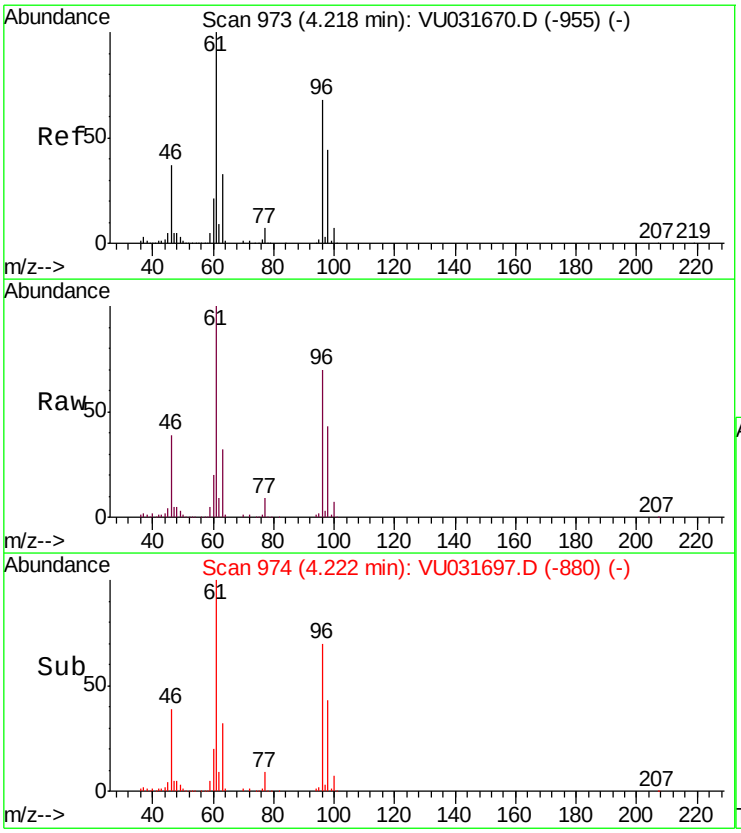
#19
1,1-Dichloroethane
Concen: 45.610 ug/L
RT: 3.44 min Scan# 731
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument : MSVOA_U
ClientSampleId : VSTD05059

Tgt Ion: 63 Resp: 696014

Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.0	40.8
83	13.4	8.8	16.4

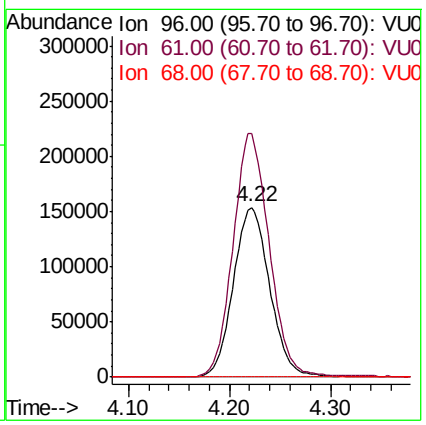


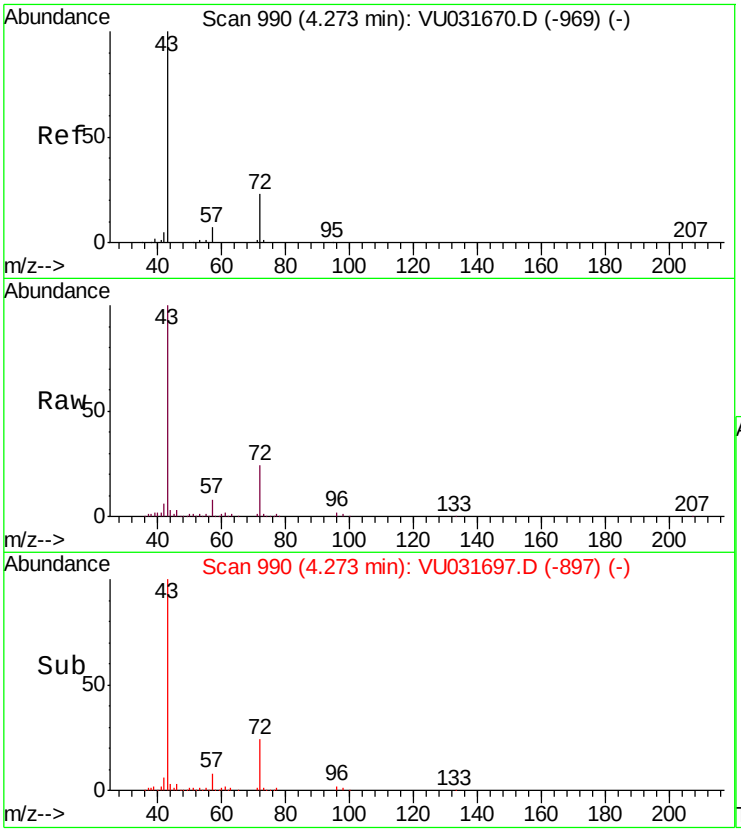


#20
cis-1,2-Dichloroethene
Concen: 49.452 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 96 Resp: 384366

Ion	Ratio	Lower	Upper
96	100		
61	143.4	99.5	184.7
68	0.0	0.0	0.0



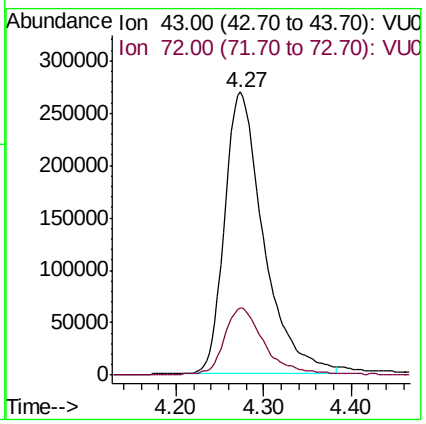


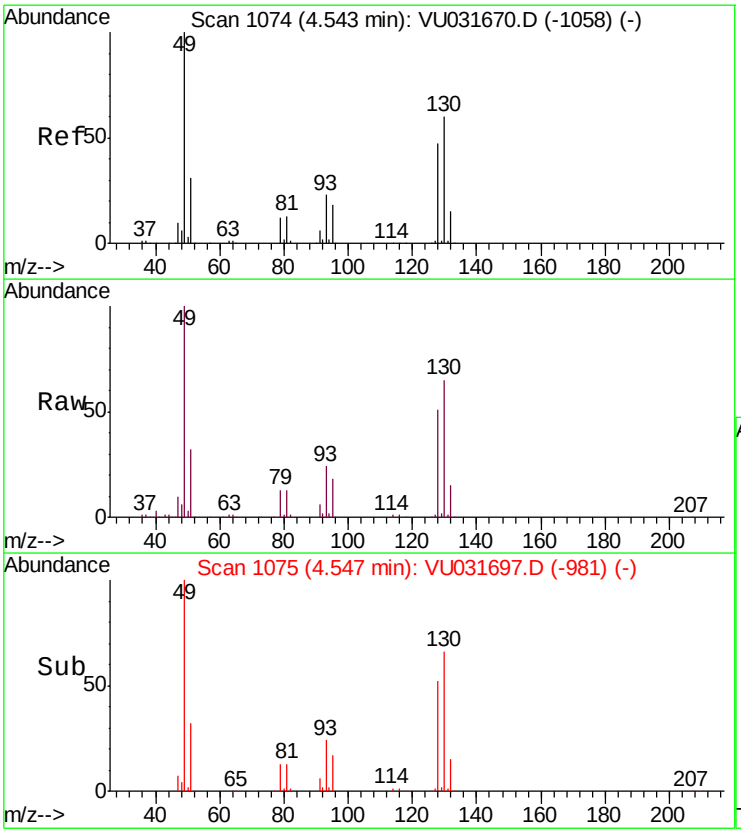
#22
2-Butanone
Concen: 99.040 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 43 Resp: 835352

Ion	Ratio	Lower	Upper
43	100		
72	24.8	11.4	34.2

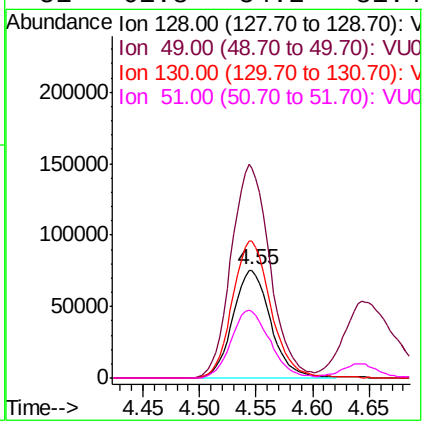


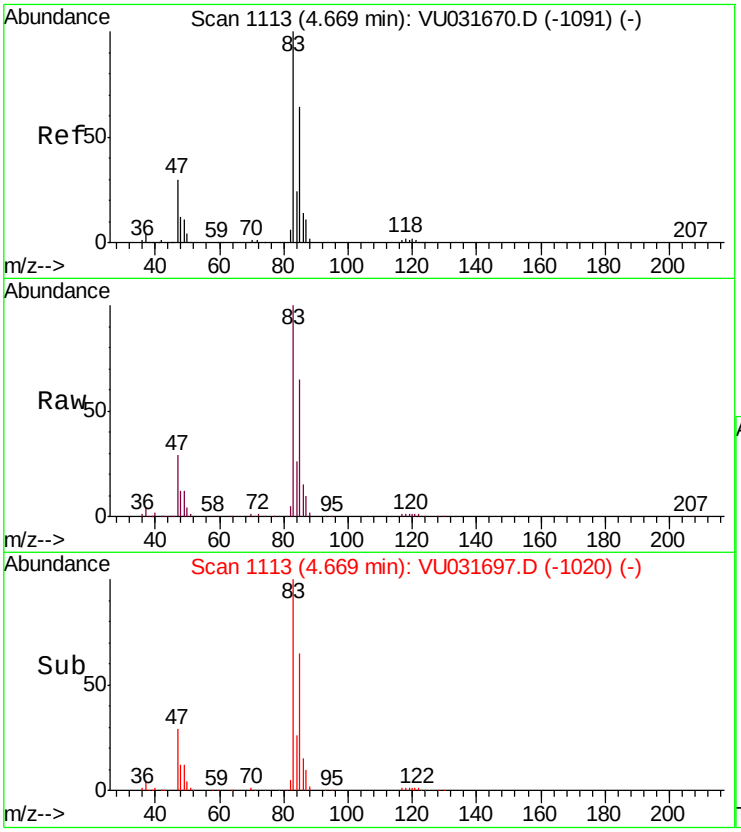


#23
Bromochloromethane
Concen: 46.433 ug/L
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion:128 Resp: 175370

Ion	Ratio	Lower	Upper
128	100		
49	195.6	152.6	283.4
130	127.4	93.7	173.9
51	61.8	54.2	81.4



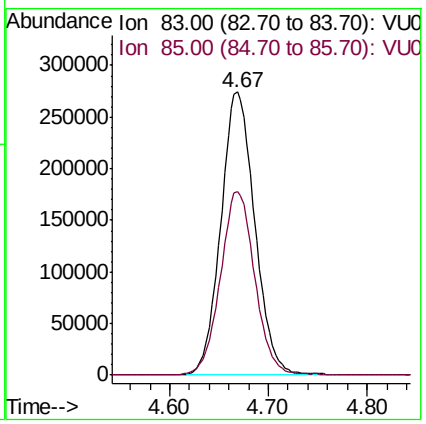


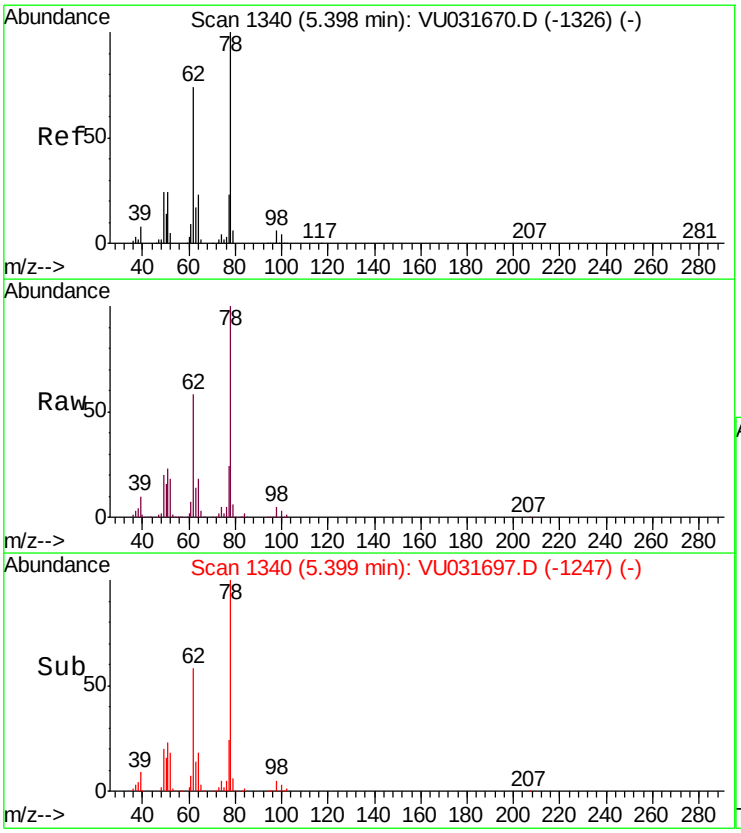
#25
Chloroform
Concen: 45.247 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 83 Resp: 660269

Ion	Ratio	Lower	Upper
83	100		
85	65.1	44.9	83.3

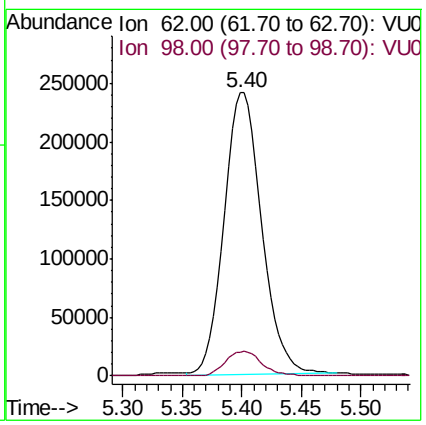


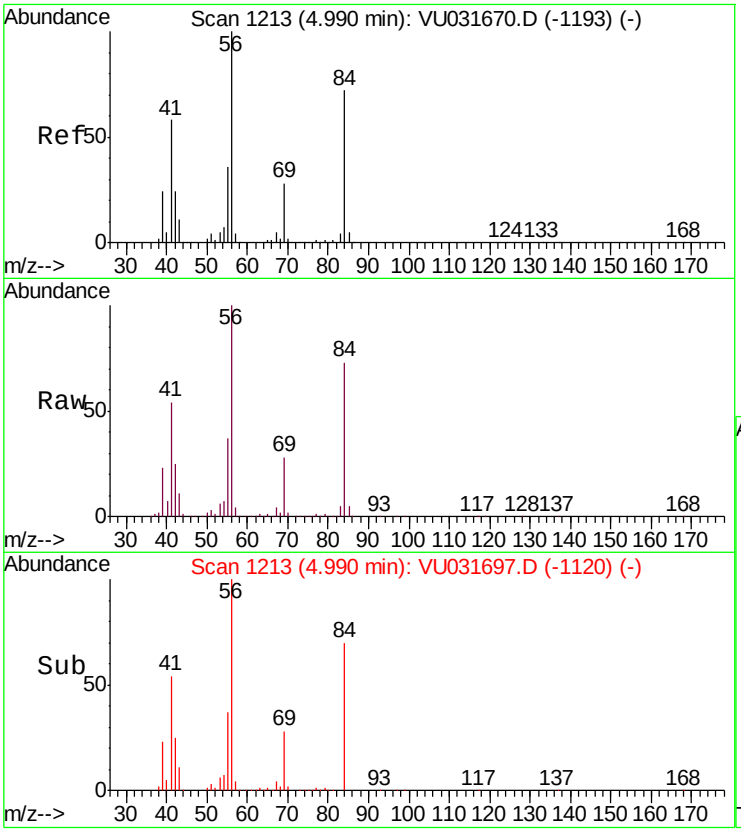


#27
1,2-Dichloroethane
Concen: 44.626 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 62 Resp: 528948

Ion	Ratio	Lower	Upper
62	100		
98	8.5	7.1	10.7



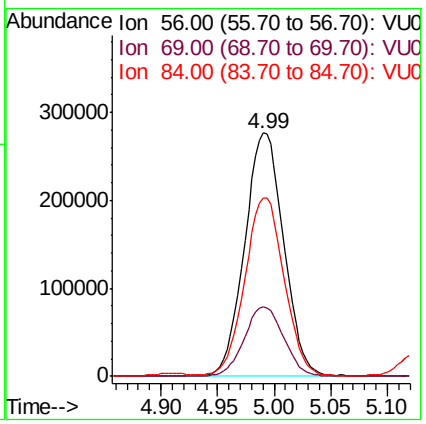


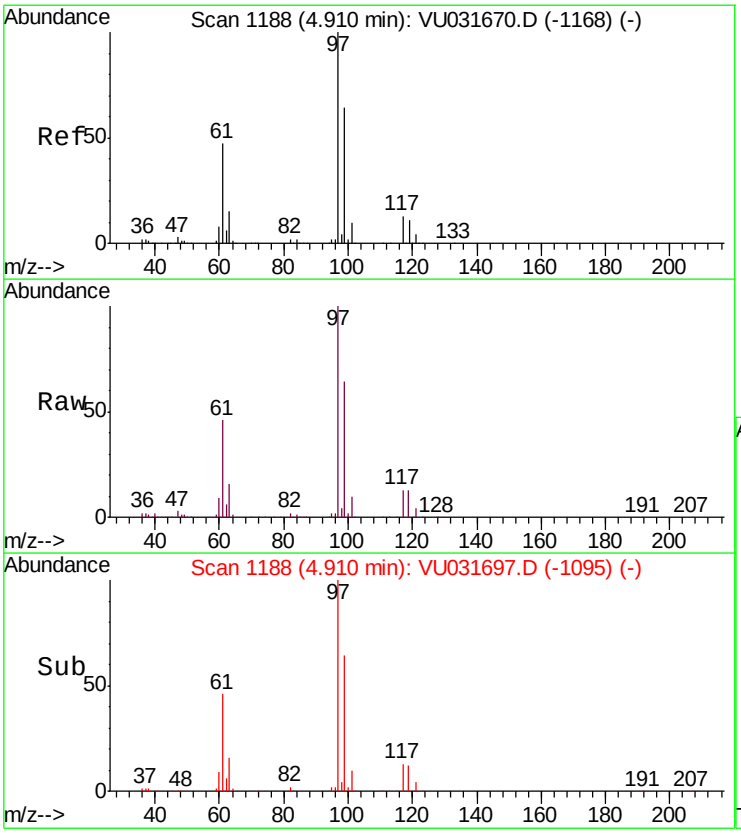
#29
Cyclohexane
Concen: 48.379 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 56 Resp: 663428

Ion	Ratio	Lower	Upper
56	100		
69	28.9	22.3	33.5
84	73.7	57.5	86.3

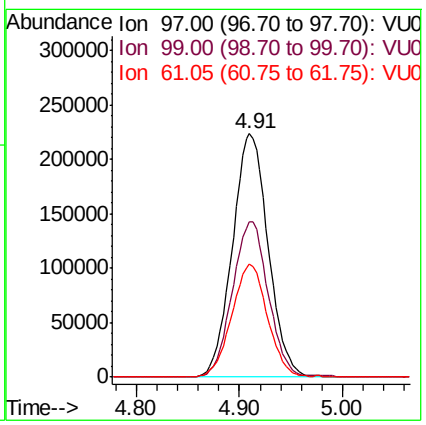


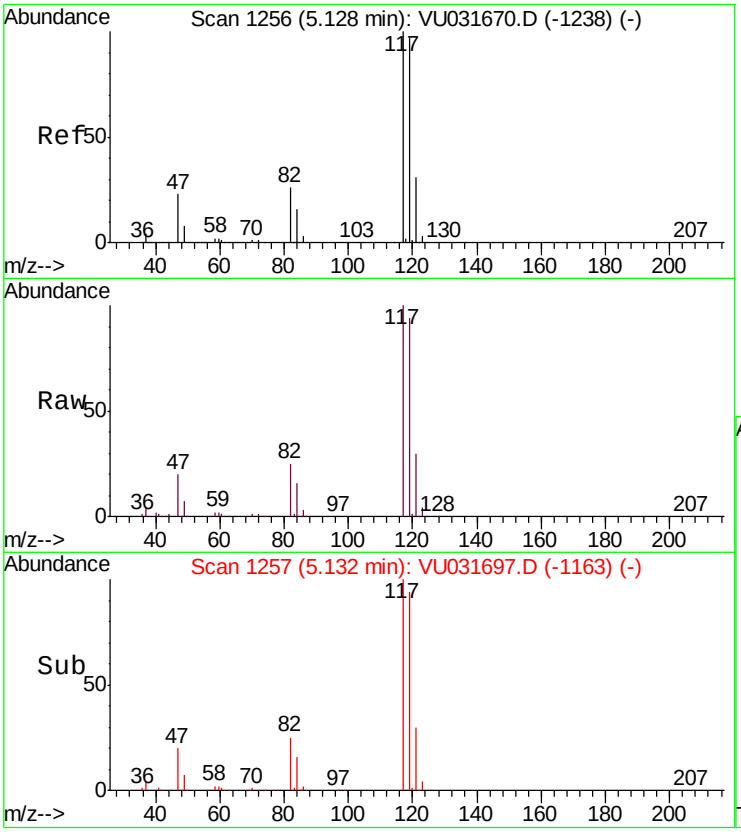


#30
1,1,1-Trichloroethane
Concen: 44.342 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 97 Resp: 538306

Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	46.4	38.7	58.1



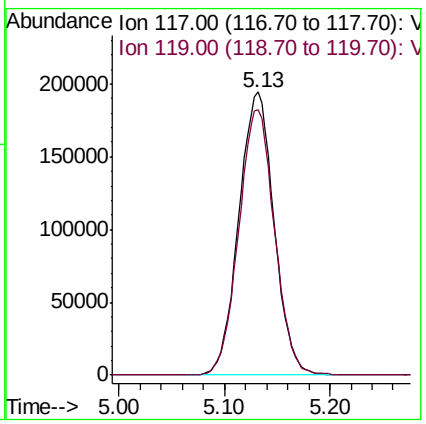


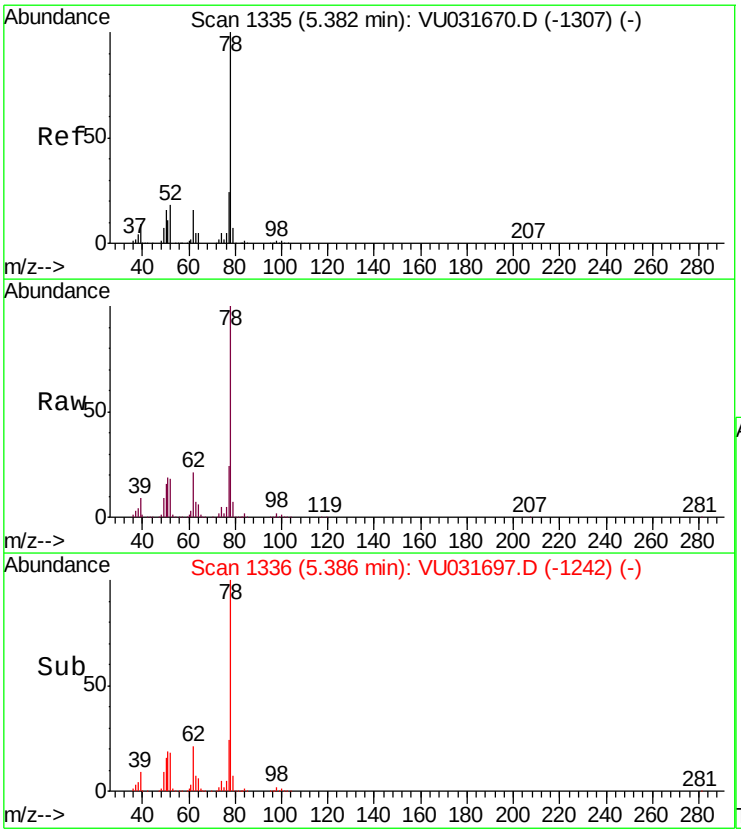
#31
Carbon tetrachloride
Concen: 43.520 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion:117 Resp: 451578

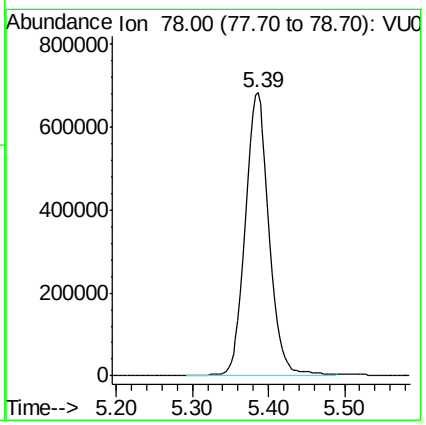
Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.6	114.8

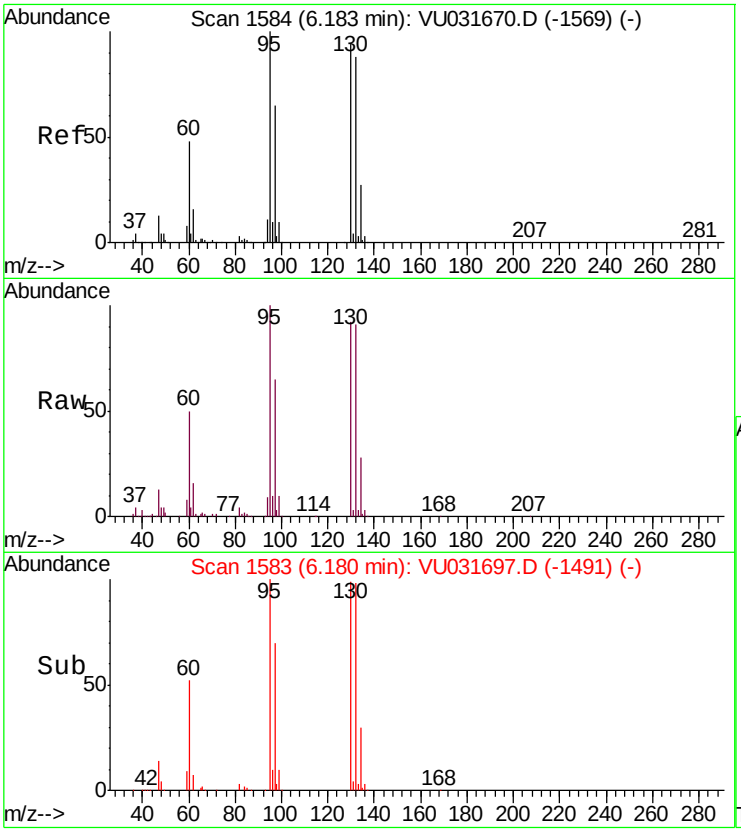




#33
Benzene
Concen: 46.845 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 78 Resp: 1492288



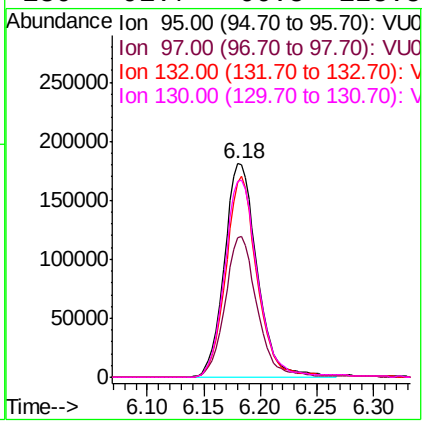


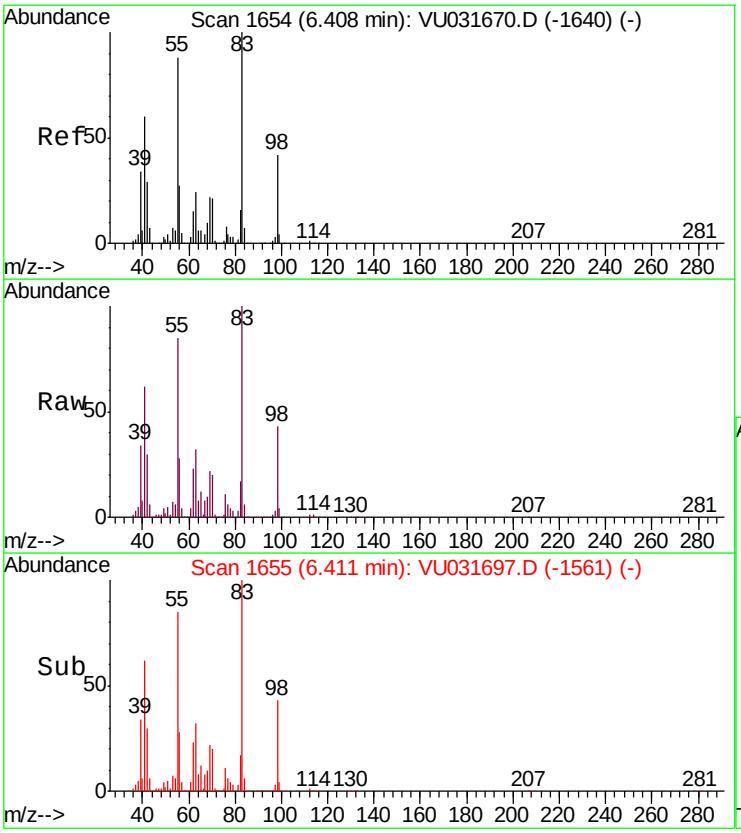
#34
Trichloroethene
Concen: 47.528 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument : MSVOA_U
ClientSampleId : VSTD05059

Tgt Ion: 95 Resp: 367009

Ion	Ratio	Lower	Upper
95	100		
97	65.3	44.8	83.2
132	91.3	63.1	117.1
130	91.7	66.5	123.5

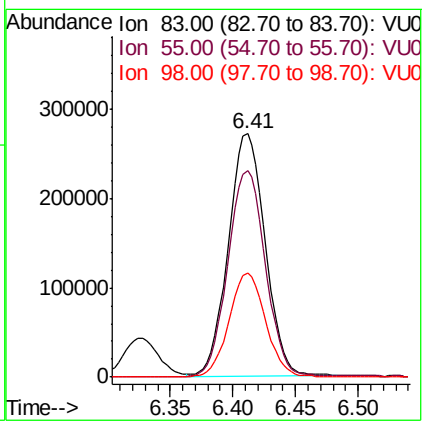


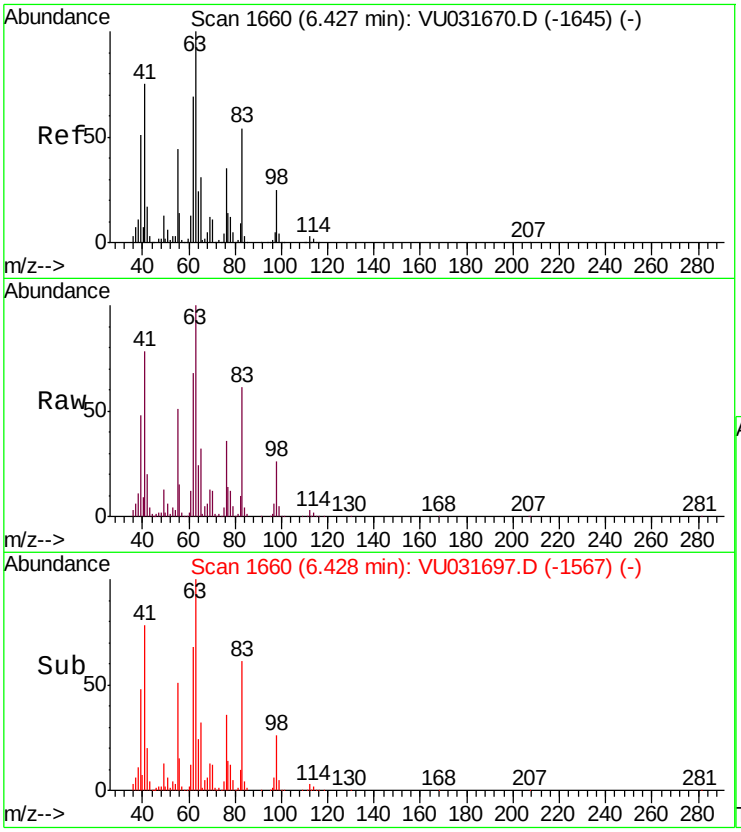


#35
Methylcyclohexane
Concen: 47.712 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 83 Resp: 552157

Ion	Ratio	Lower	Upper
83	100		
55	87.2	73.0	109.4
98	42.7	35.3	52.9



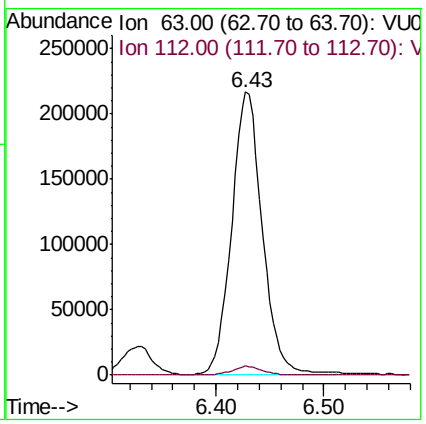


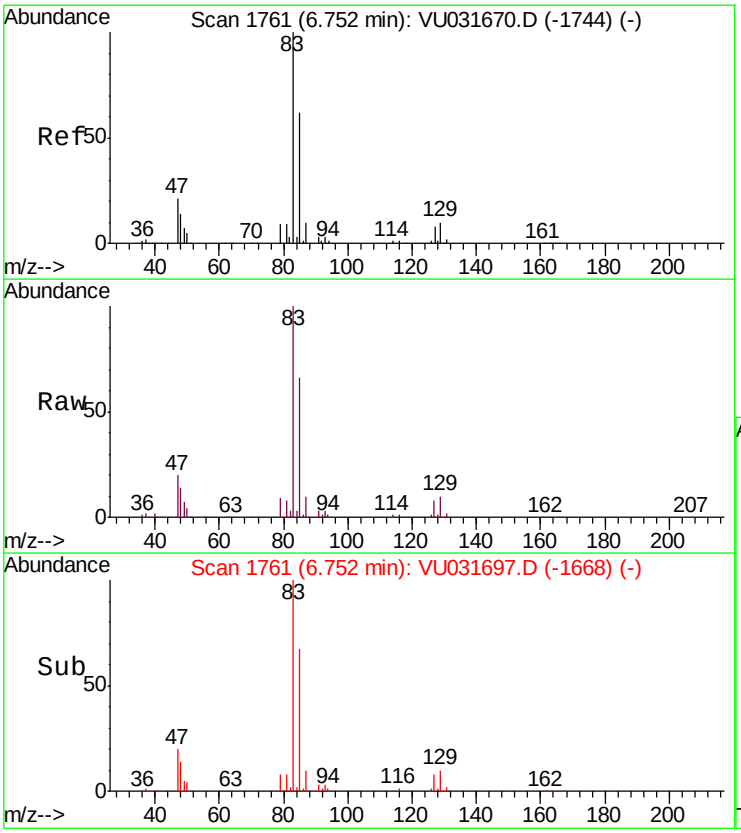
#37
1,2-Dichloropropane
Concen: 47.196 ug/L
RT: 6.43 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument : MSVOA_U
ClientSampleId : VSTD05059

Tgt Ion: 63 Resp: 426826

Ion	Ratio	Lower	Upper
63	100		
112	3.3	2.7	4.1

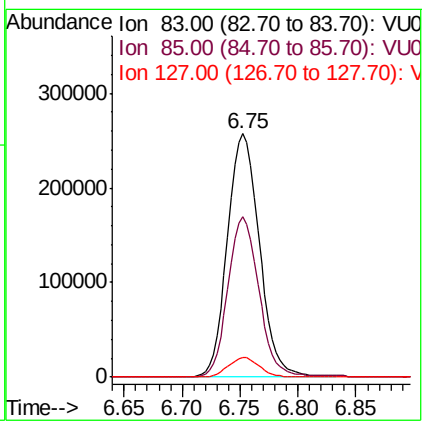


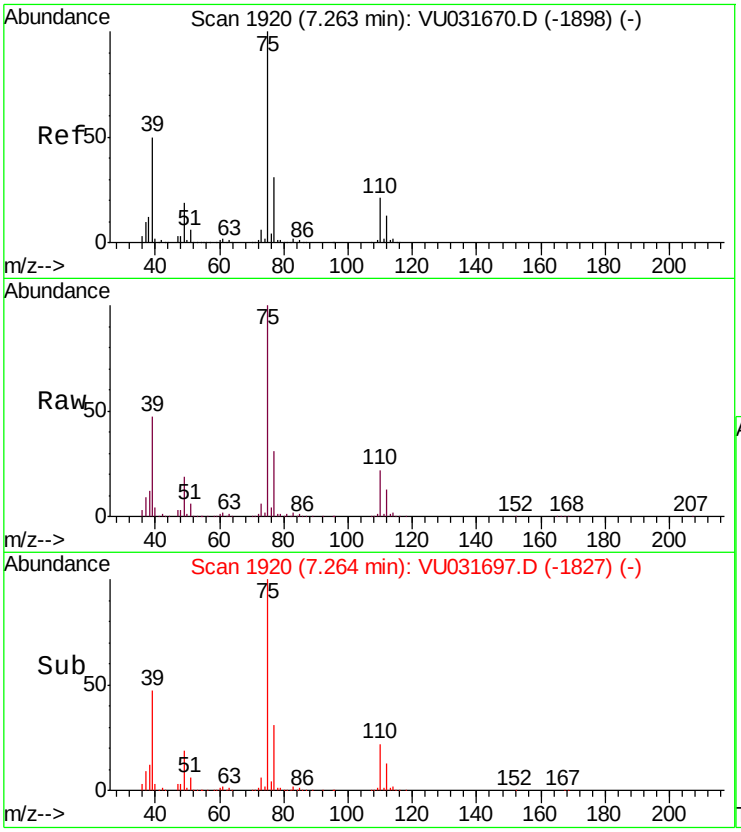


#38
Bromodichloromethane
Concen: 44.872 ug/L
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 83 Resp: 492040

Ion	Ratio	Lower	Upper
83	100		
85	65.8	43.7	81.1
127	8.2	6.7	10.1



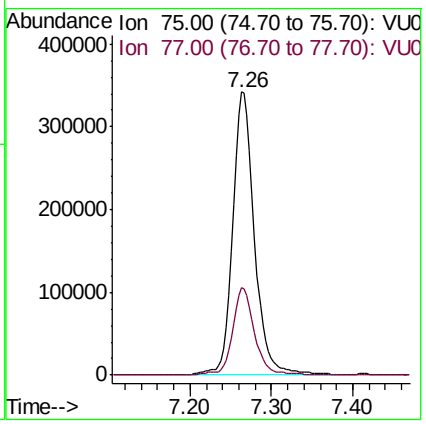


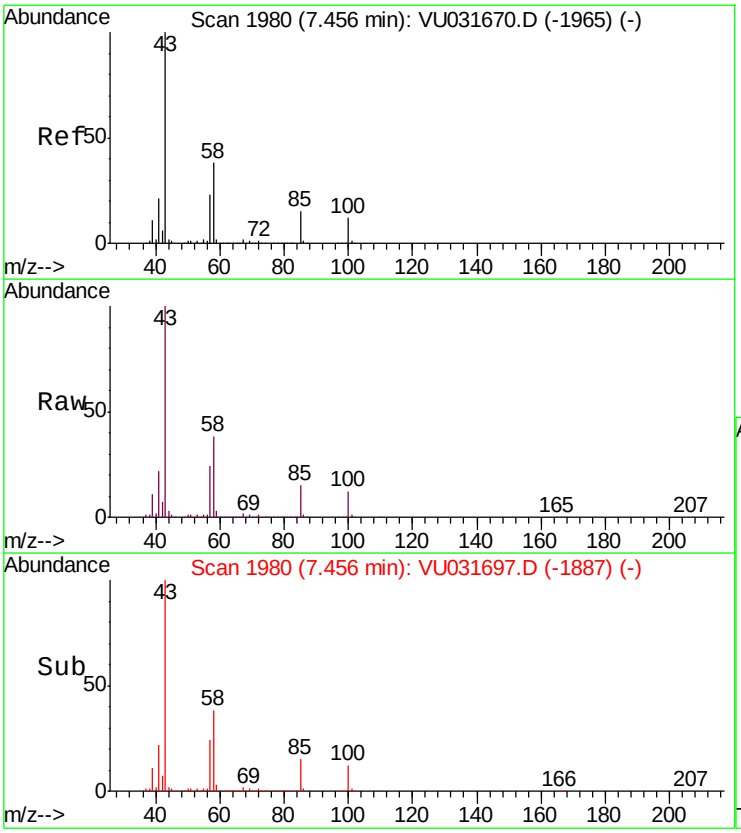
#39
cis-1,3-Dichloropropene
Concen: 53.539 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 75 Resp: 639793

Ion	Ratio	Lower	Upper
75	100		
77	30.7	22.1	41.1

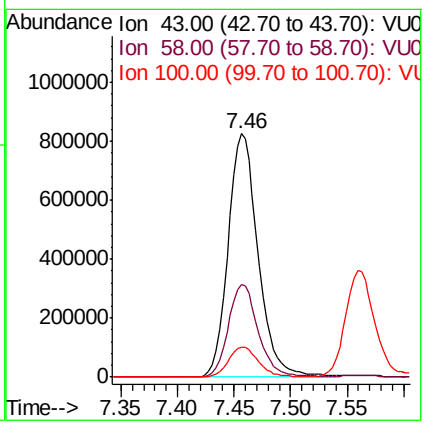


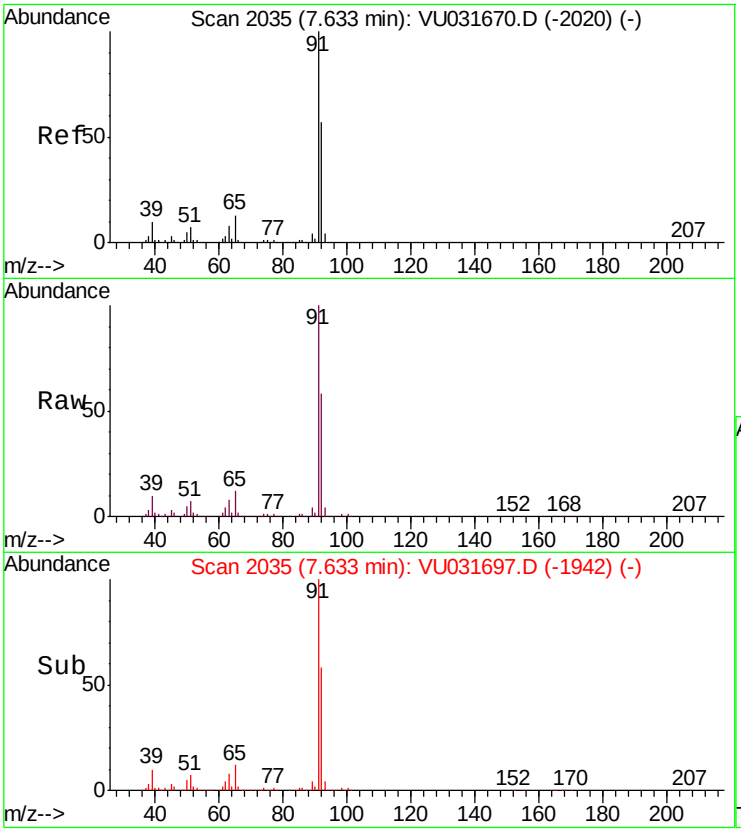


#40
4-Methyl-2-pentanone
Concen: 109.266 ug/L
RT: 7.46 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 43 Resp: 1520336

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.1	45.1
100	12.3	9.6	14.4



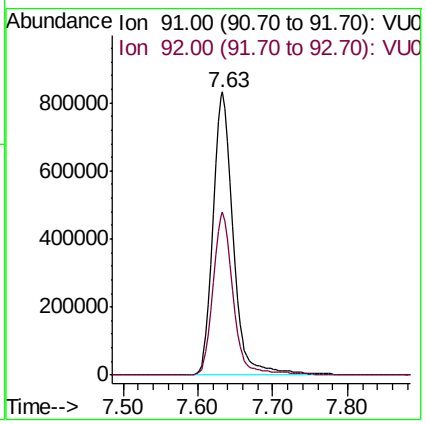


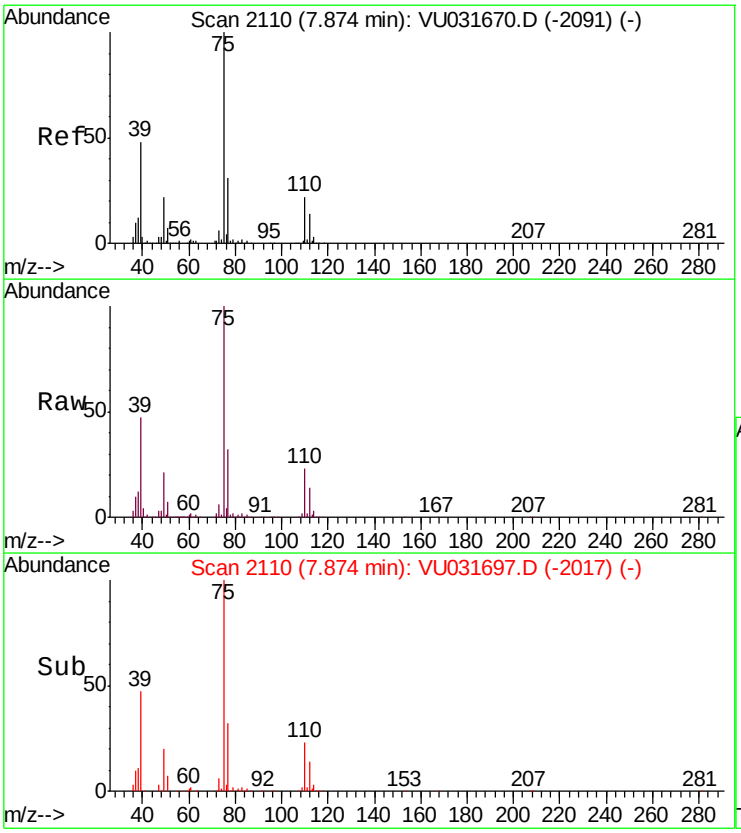
#42
Toluene
Concen: 49.534 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 91 Resp: 1571858

Ion	Ratio	Lower	Upper
91	100		
92	57.5	39.0	72.4

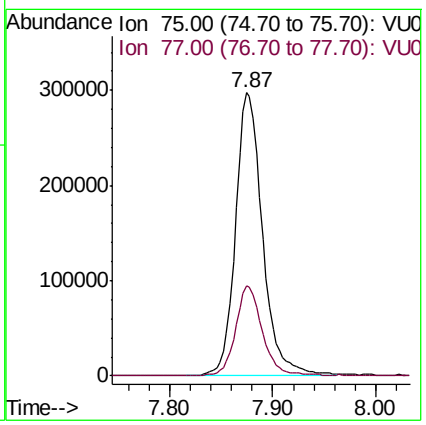


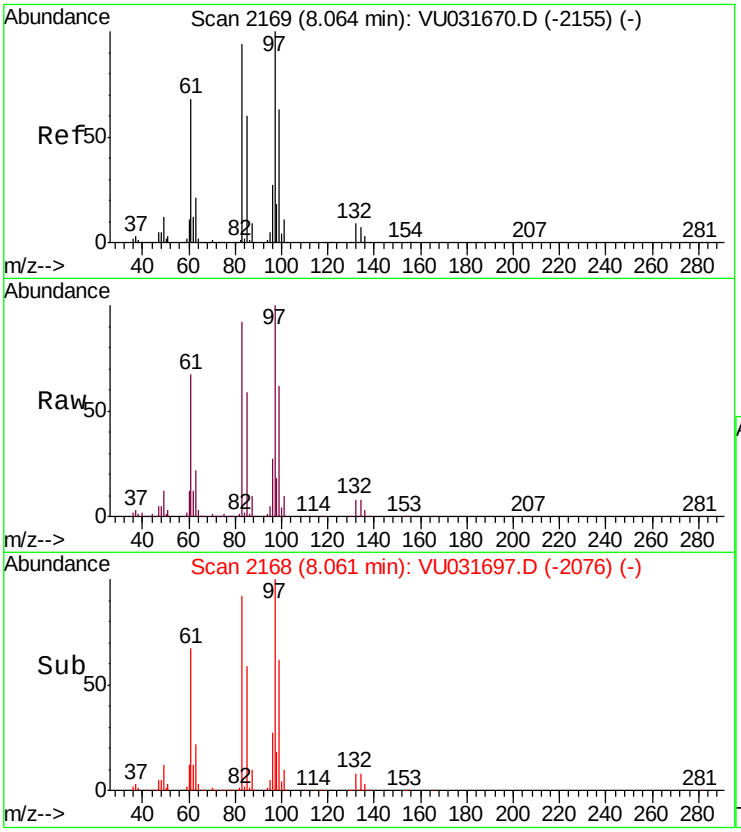


#44
trans-1,3-Dichloropropene
Concen: 50.270 ug/L
RT: 7.87 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 75 Resp: 544865

Ion	Ratio	Lower	Upper
75	100		
77	31.7	22.1	41.1



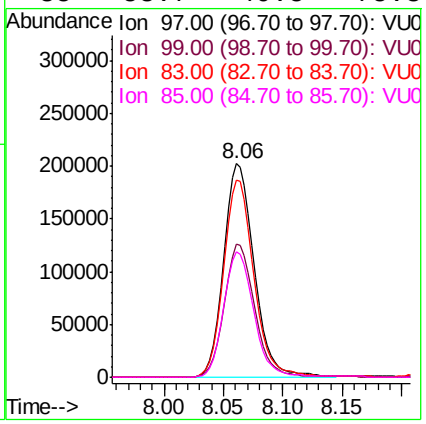


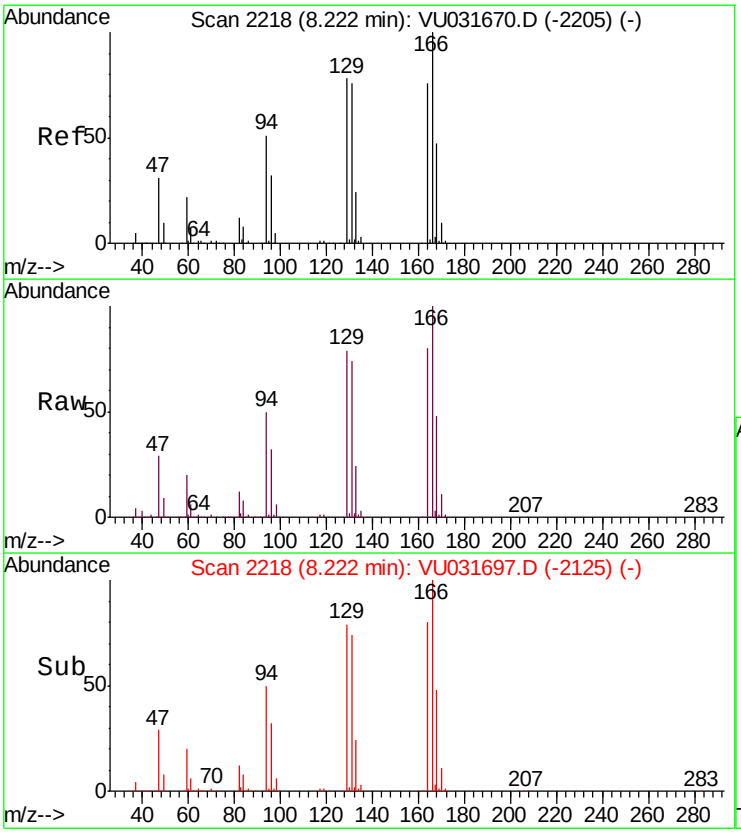
#45
1,1,2-Trichloroethane
Concen: 48.280 ug/L
RT: 8.06 min Scan# 2168
Delta R.T. -0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument : MSVOA_U
ClientSampleId : VSTD05059

Tgt Ion: 97 Resp: 359955

Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.0	80.0
83	92.4	63.6	118.2
85	58.7	40.5	75.3

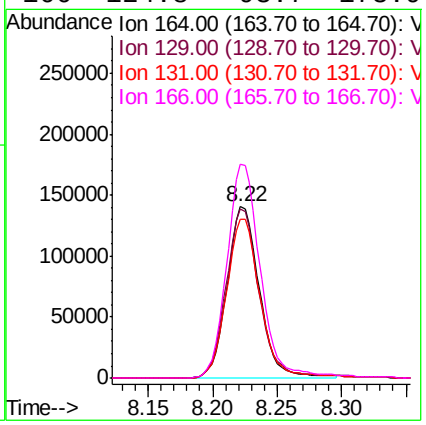


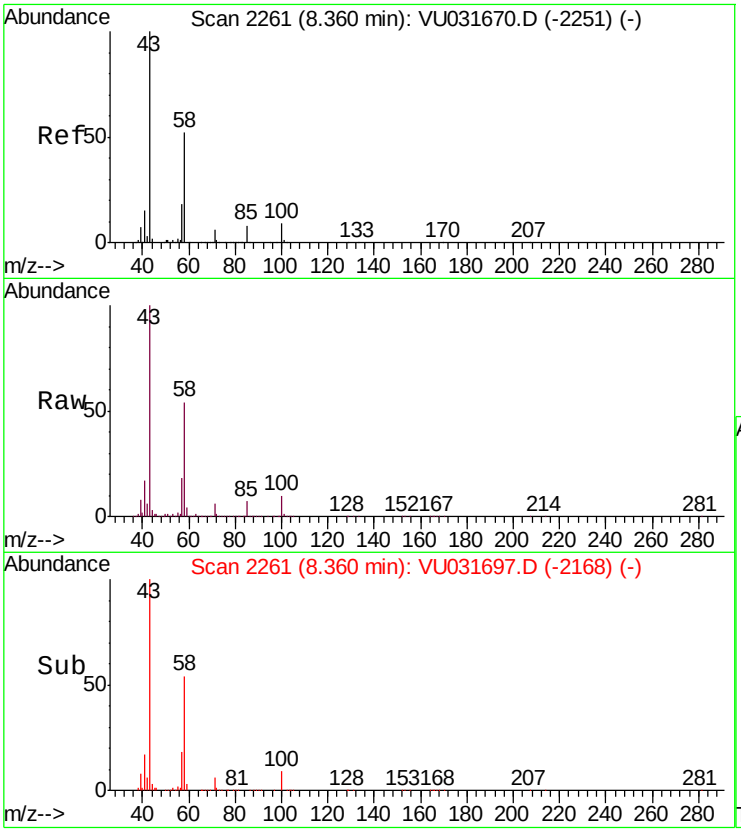


#46
Tetrachloroethene
Concen: 46.431 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion:164 Resp: 244428

Ion	Ratio	Lower	Upper
164	100		
129	98.6	71.5	132.9
131	92.6	69.0	128.2
166	124.8	93.7	173.9



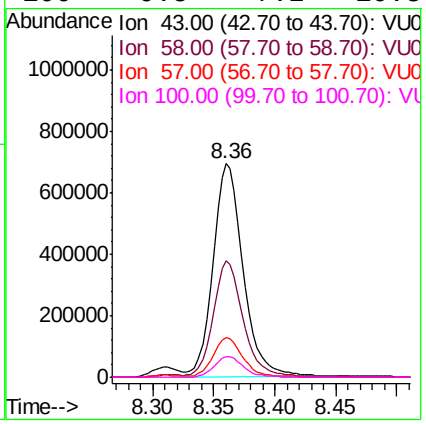


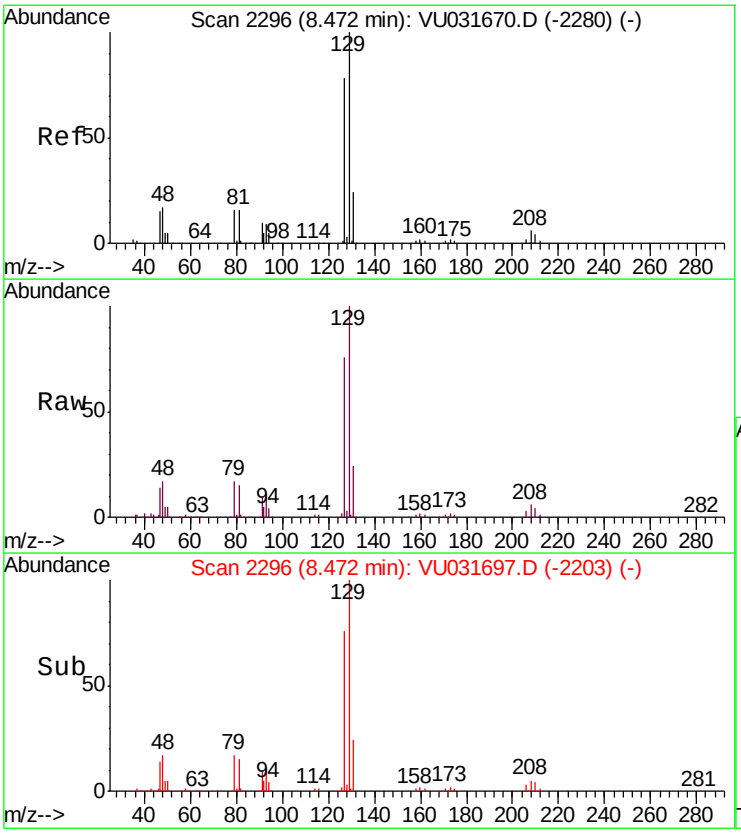
#48
2-Hexanone
Concen: 106.085 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 43 Resp: 1193834

Ion	Ratio	Lower	Upper
43	100		
58	54.5	42.1	63.1
57	18.4	14.6	22.0
100	9.5	7.2	10.8

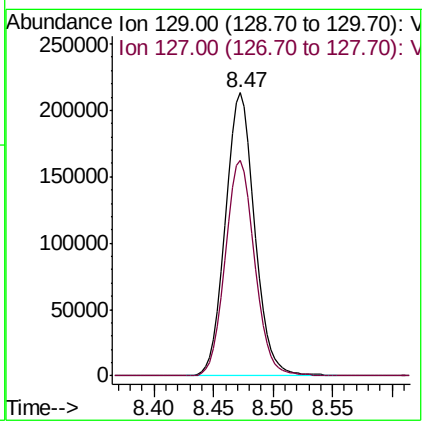


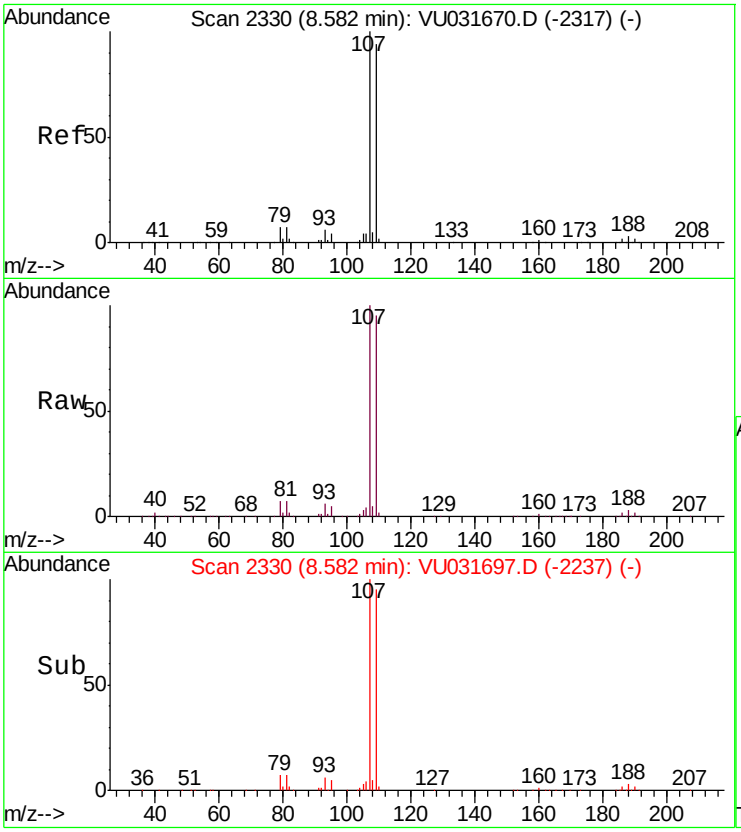


#49
Dibromochloromethane
Concen: 47.045 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion:129 Resp: 364946

Ion	Ratio	Lower	Upper
129	100		
127	76.2	54.0	100.2



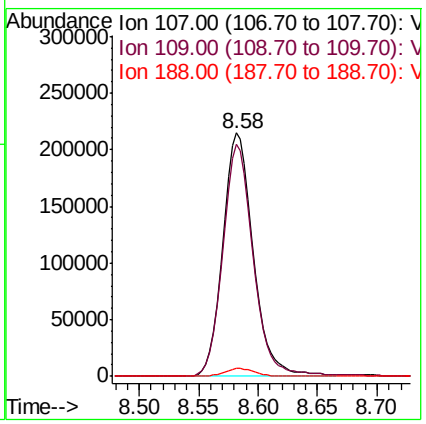


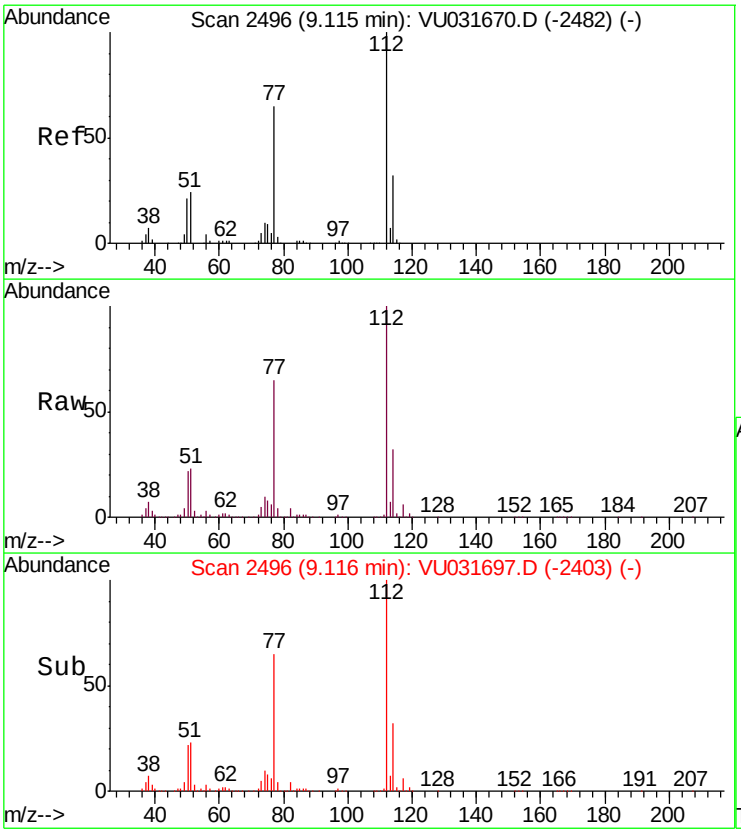
#50
1,2-Dibromoethane
Concen: 48.346 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion:107 Resp: 380681

Ion	Ratio	Lower	Upper
107	100		
109	95.2	64.9	120.5
188	3.3	2.4	3.6

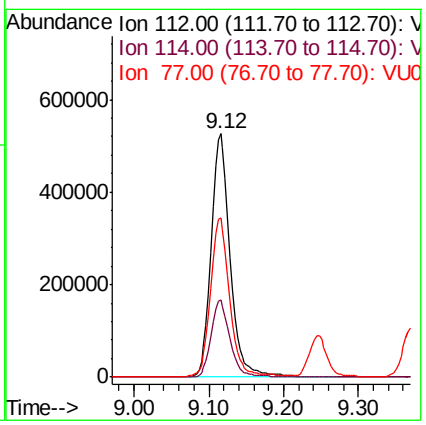


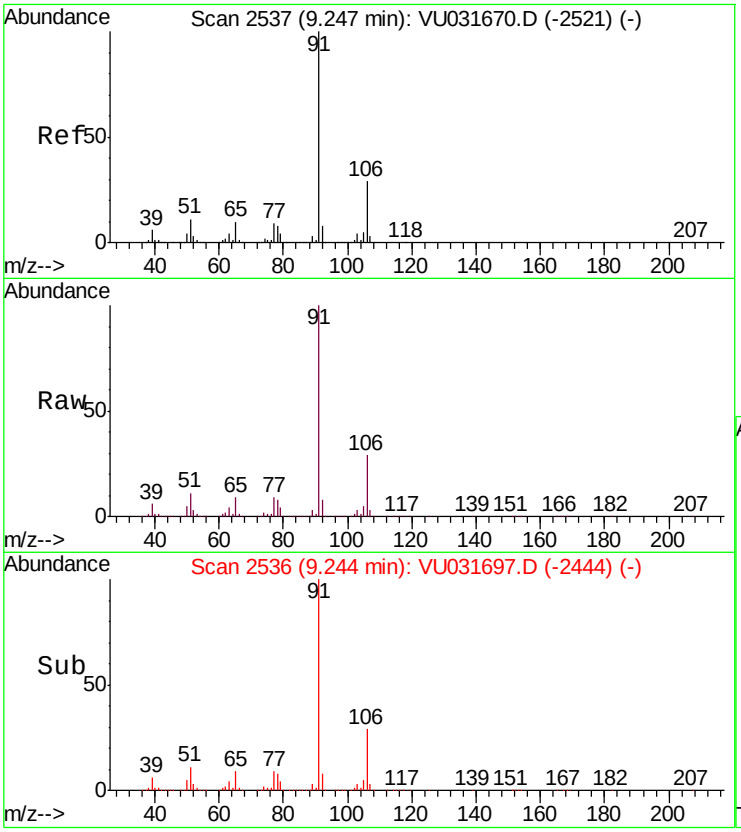


#51
Chlorobenzene
Concen: 49.545 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion:112 Resp: 929074

Ion	Ratio	Lower	Upper
112	100		
114	31.6	23.3	43.3
77	65.2	53.0	79.4



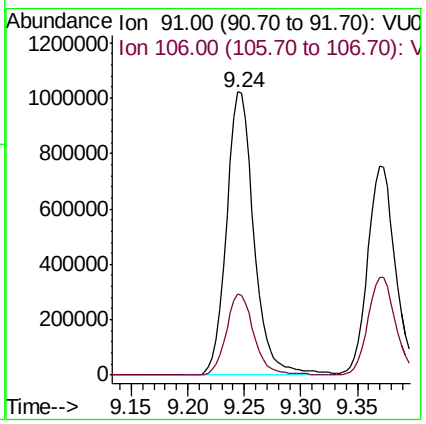


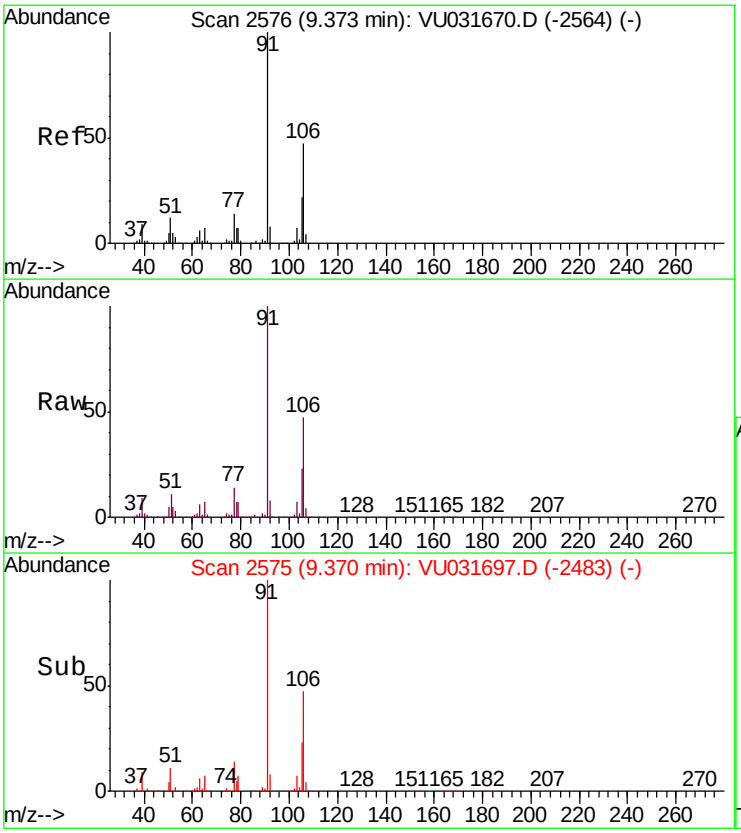
#52
Ethylbenzene
Concen: 52.570 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 91 Resp: 1730446

Ion	Ratio	Lower	Upper
91	100		
106	28.8	20.4	37.8

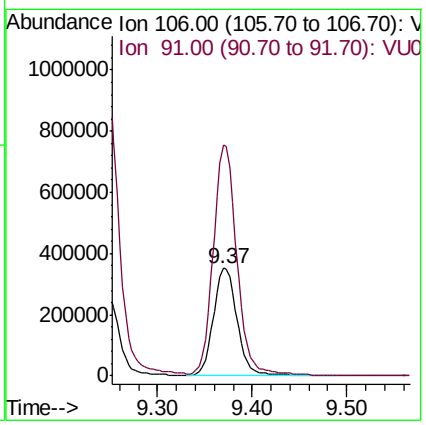


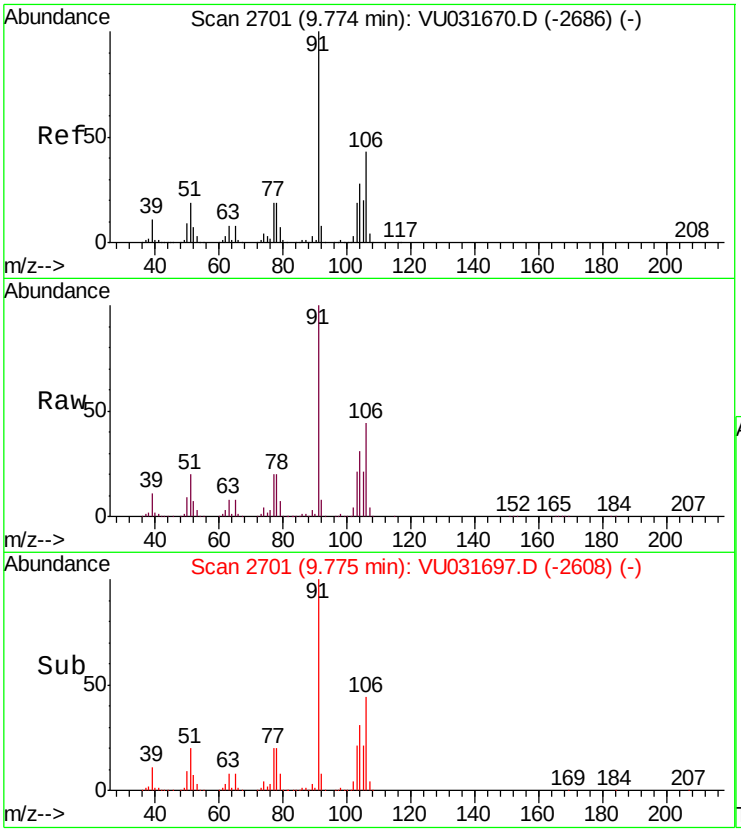


#53
m,p-Xylene
Concen: 53.878 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion:106 Resp: 617906

Ion	Ratio	Lower	Upper
106	100		
91	214.3	152.2	282.6



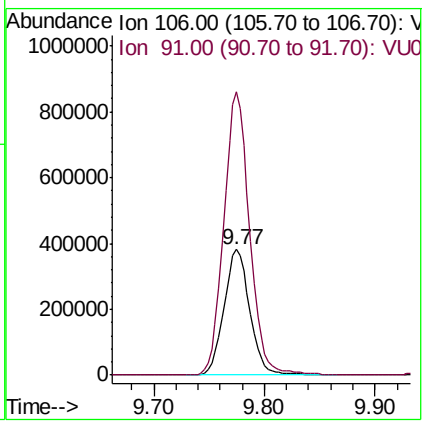


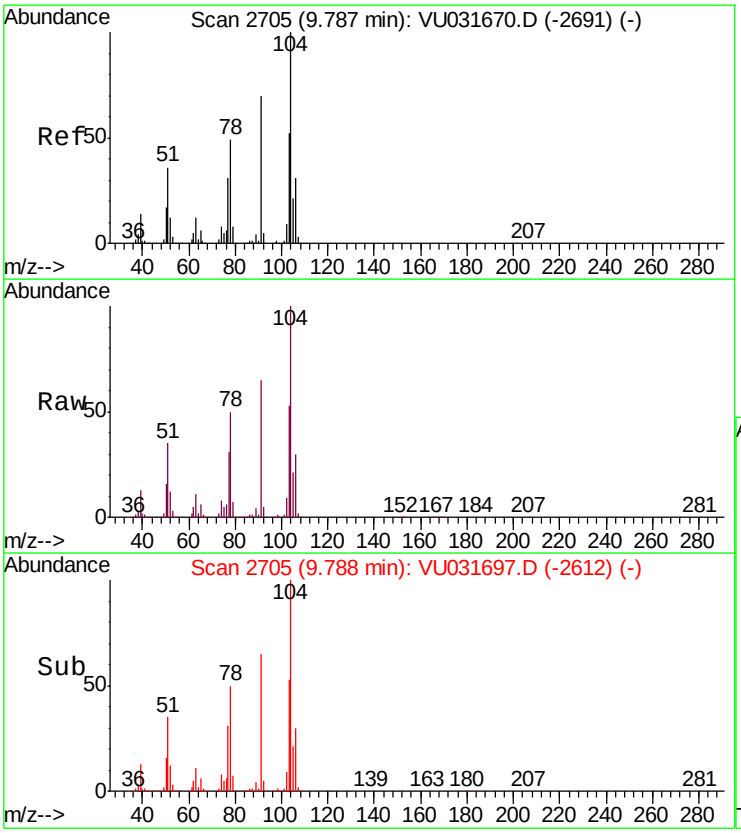
#54
o-xylene
Concen: 54.433 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion:106 Resp: 618899

Ion	Ratio	Lower	Upper
106	100		
91	225.5	163.2	303.2

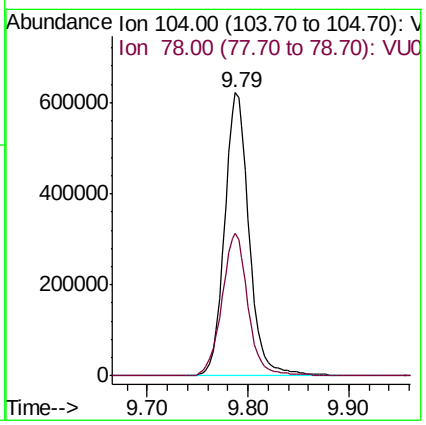


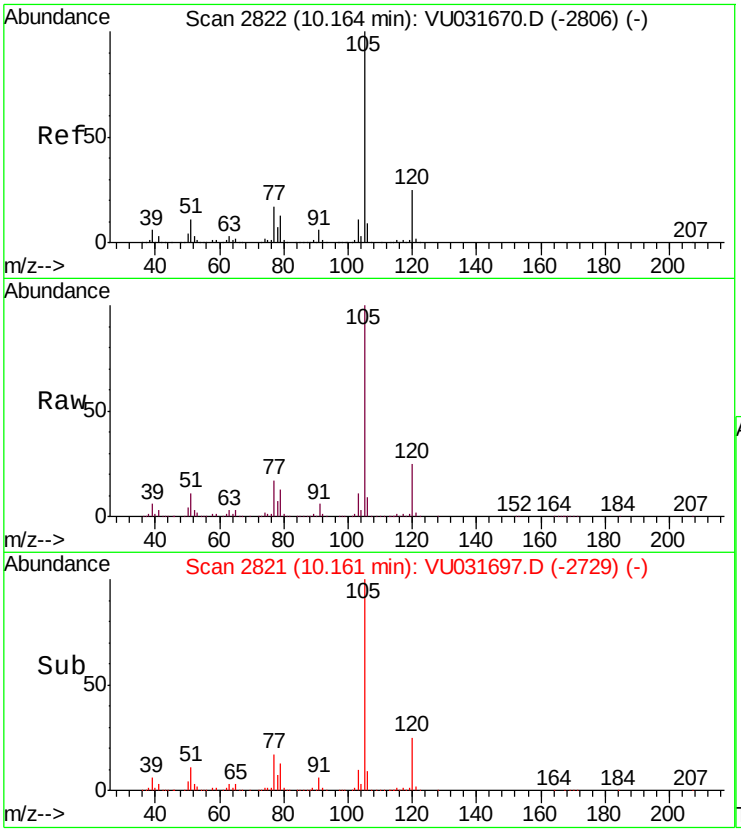


#55
Styrene
Concen: 54.209 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion:104 Resp: 1053038

Ion	Ratio	Lower	Upper
104	100		
78	50.4	35.4	65.7



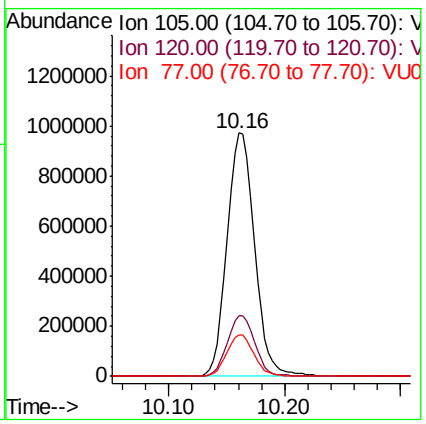


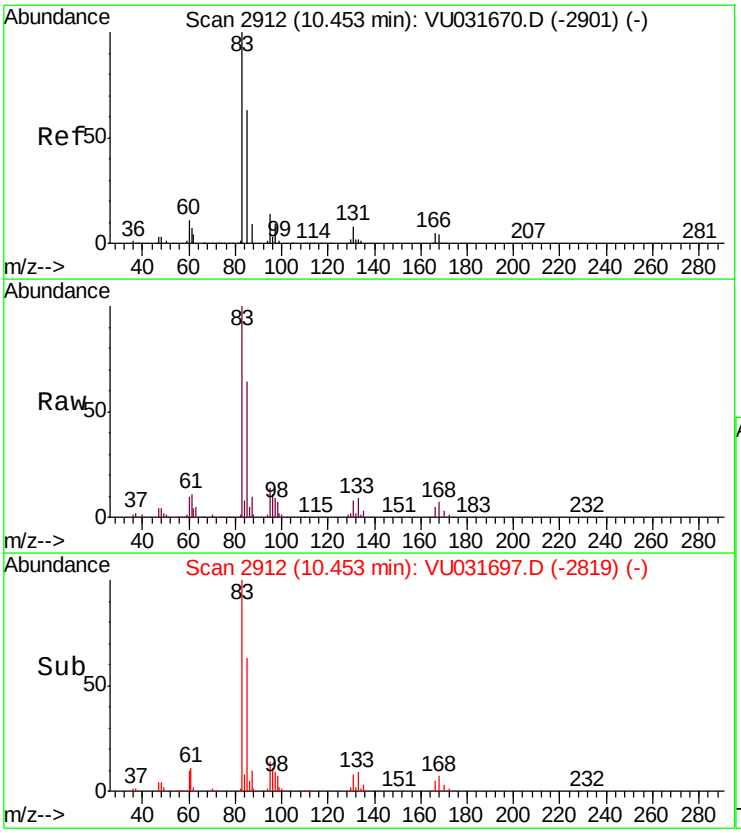
#56
Isopropylbenzene
Concen: 53.185 ug/L
RT: 10.16 min Scan# 2821
Delta R.T. -0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument : MSVOA_U
ClientSampleId : VSTD05059

Tgt Ion:105 Resp: 1590150

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.1	30.1
77	16.8	13.8	20.6

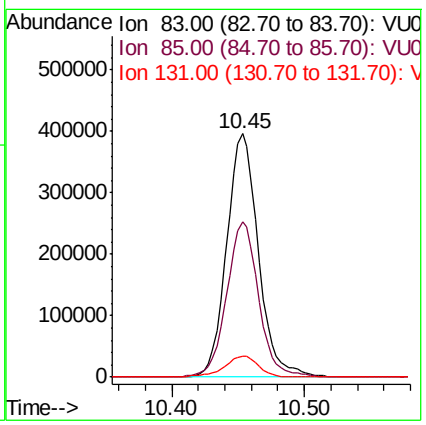


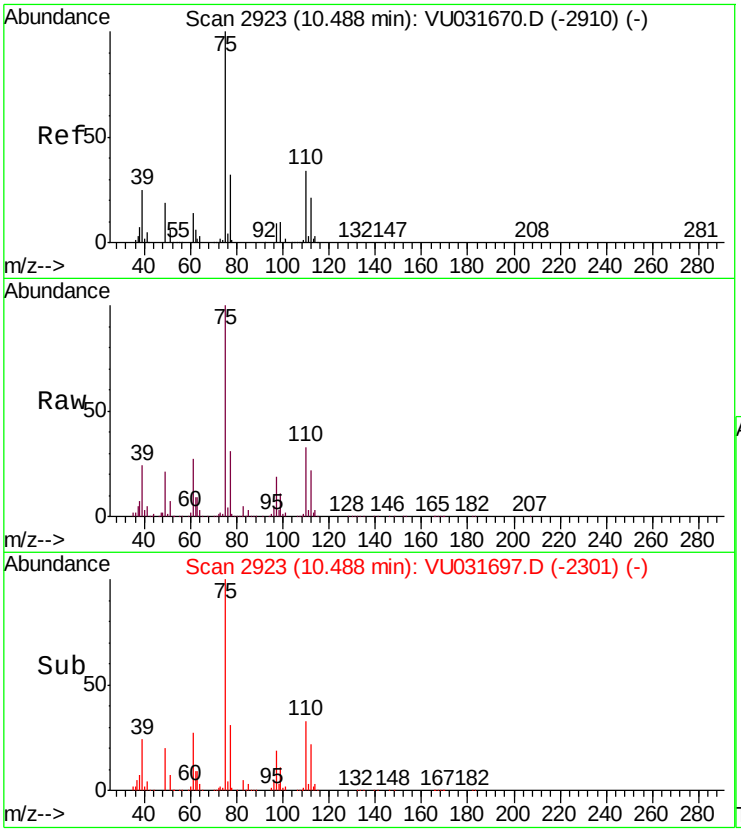


#58
1,1,2,2-Tetrachloroethane
Concen: 49.695 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 83 Resp: 657463

Ion	Ratio	Lower	Upper
83	100		
85	63.7	46.0	85.4
131	8.5	7.3	10.9



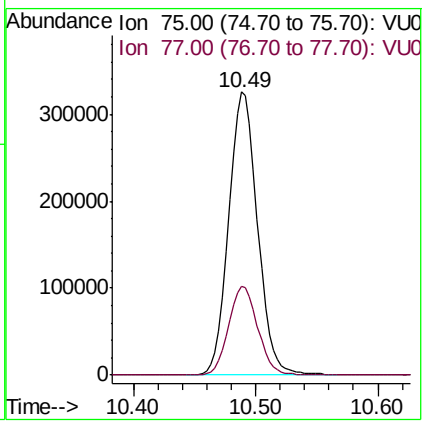


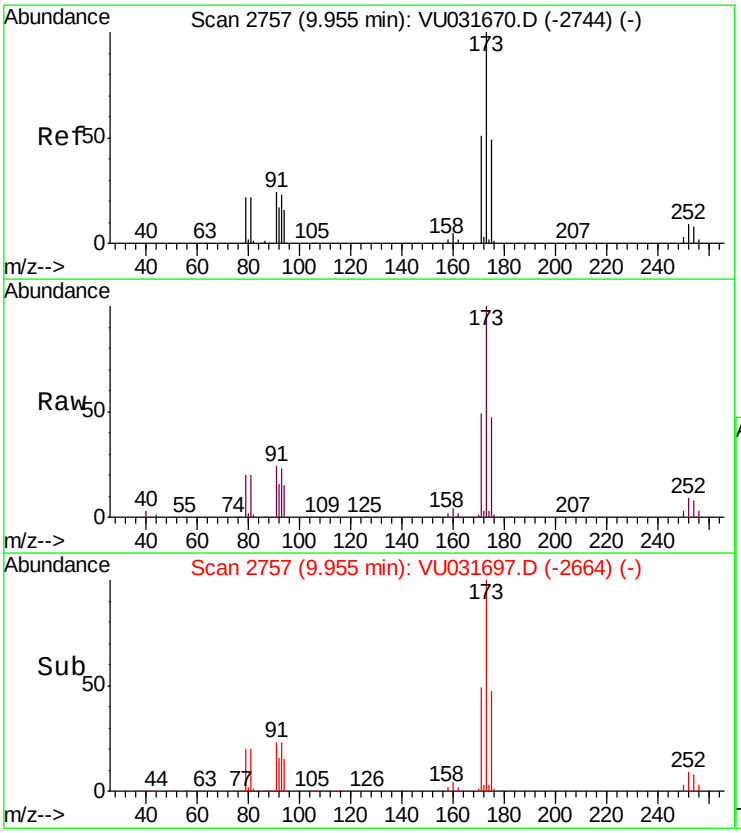
#59
1,2,3-Trichloropropane
Concen: 50.099 ug/L
RT: 10.49 min Scan# 2923
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument : MSVOA_U
ClientSampleId : VSTD05059

Tgt Ion: 75 Resp: 537181

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.9	38.9

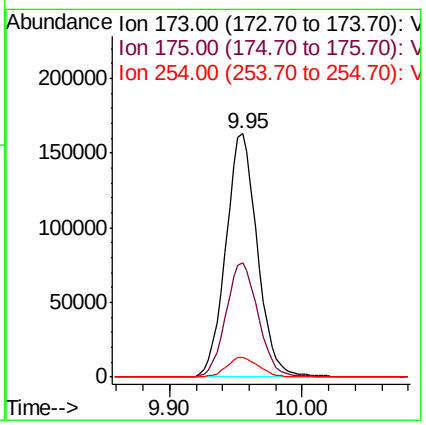


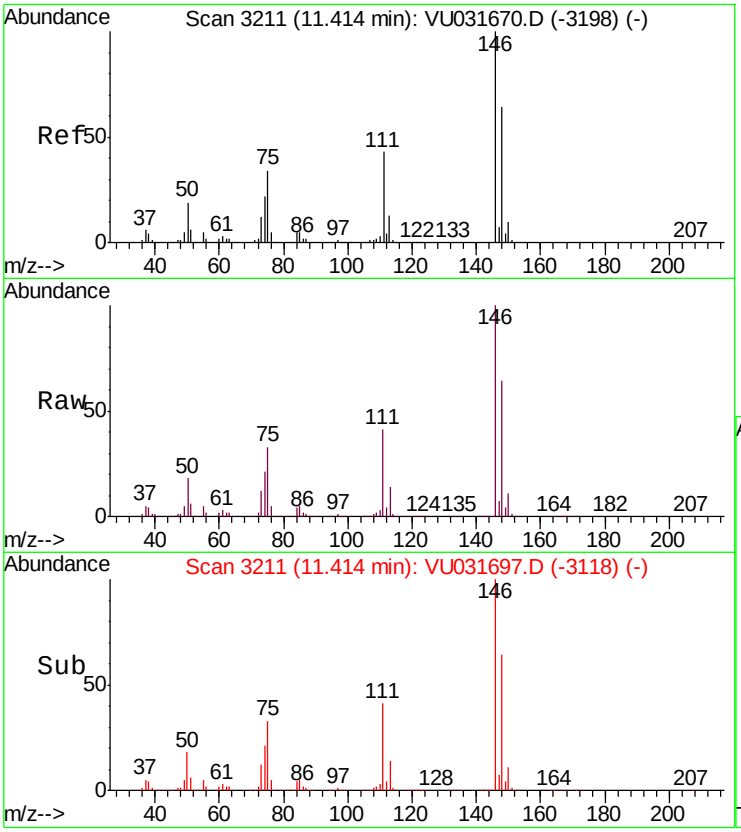


#61
Bromoform
Concen: 45.208 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion:173 Resp: 269312

Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.3	57.5
254	8.3	6.6	9.8



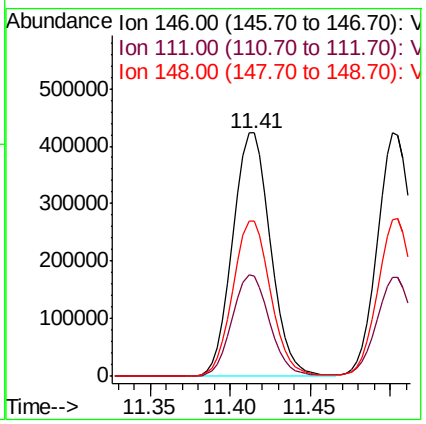


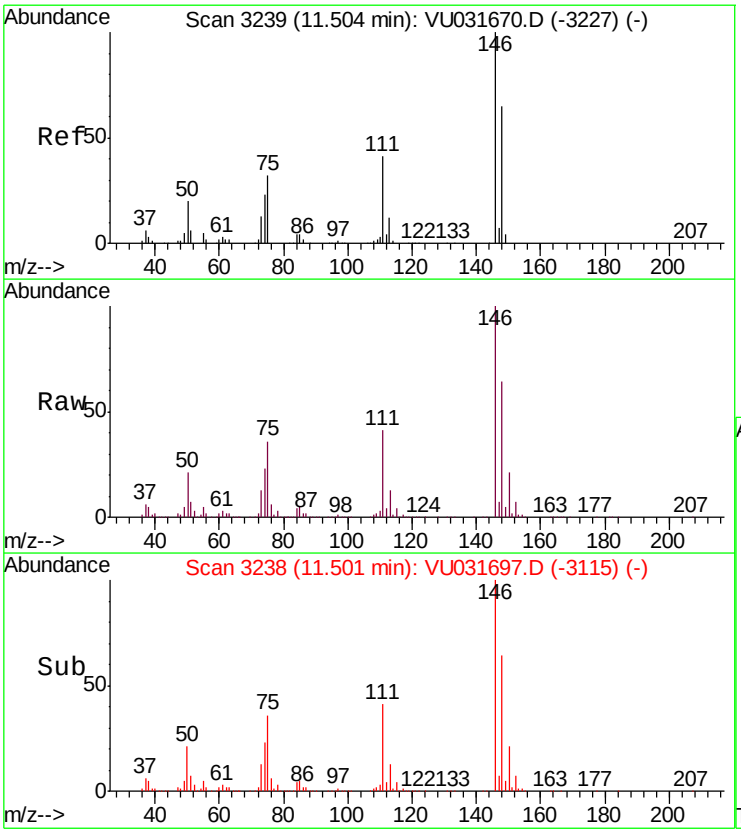
#62
1,3-Dichlorobenzene
Concen: 51.365 ug/L
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion:146 Resp: 683296

Ion	Ratio	Lower	Upper
146	100		
111	41.0	29.8	55.4
148	63.7	45.1	83.9

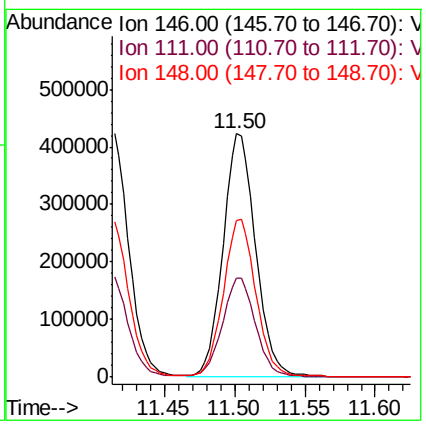


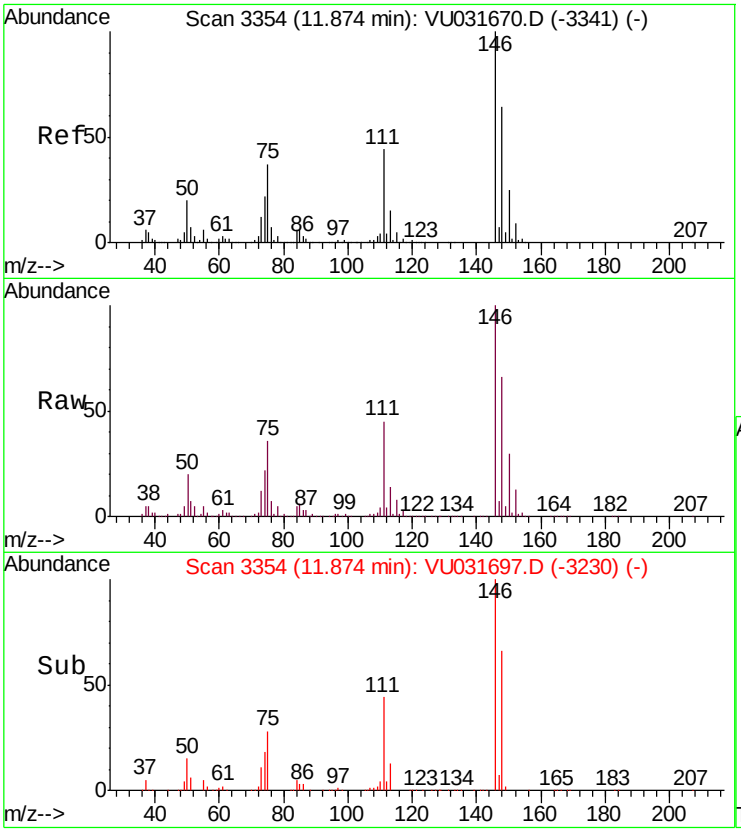


#63
1,4-Dichlorobenzene
Concen: 49.284 ug/L
RT: 11.50 min Scan# 3238
Delta R.T. -0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion:146 Resp: 678971

Ion	Ratio	Lower	Upper
146	100		
111	40.7	28.2	52.4
148	64.2	45.4	84.4



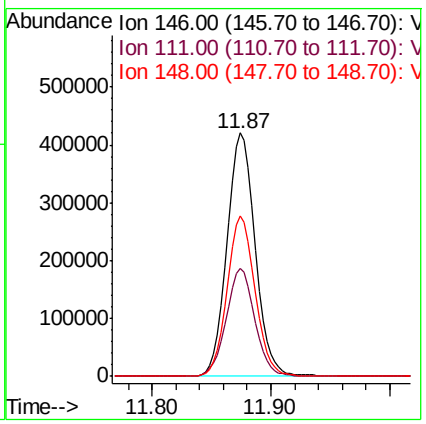


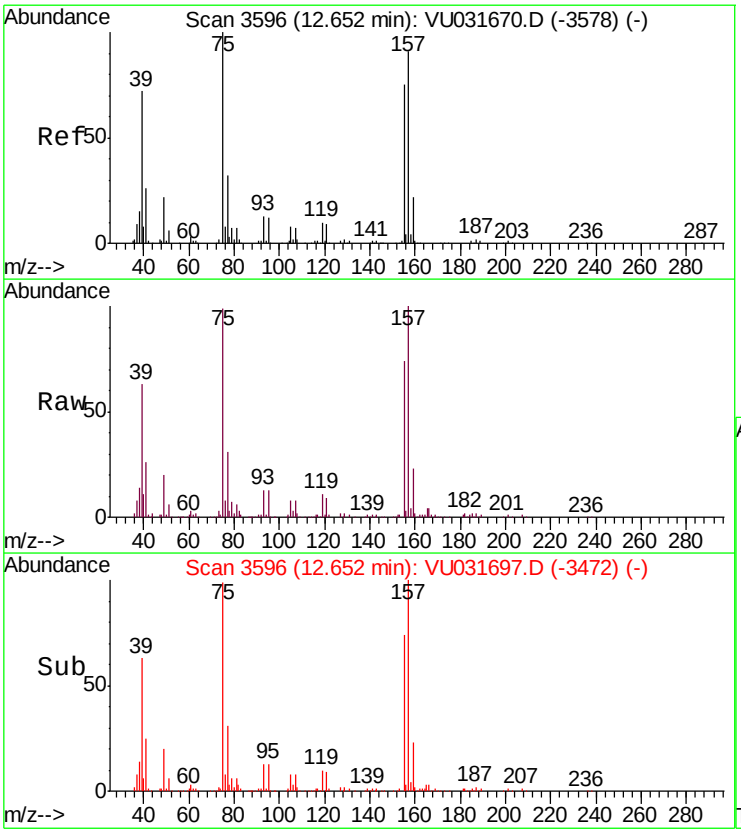
#65
1,2-Dichlorobenzene
Concen: 48.716 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion:146 Resp: 688743

Ion	Ratio	Lower	Upper
146	100		
111	44.6	35.9	53.9
148	66.0	50.5	75.7

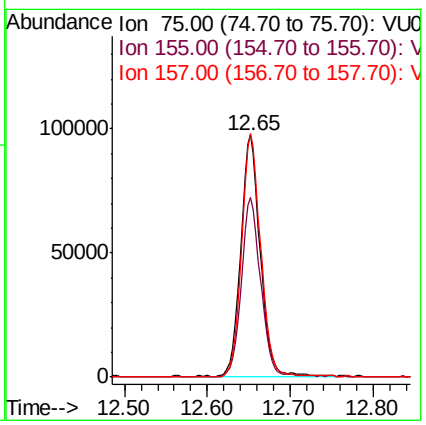


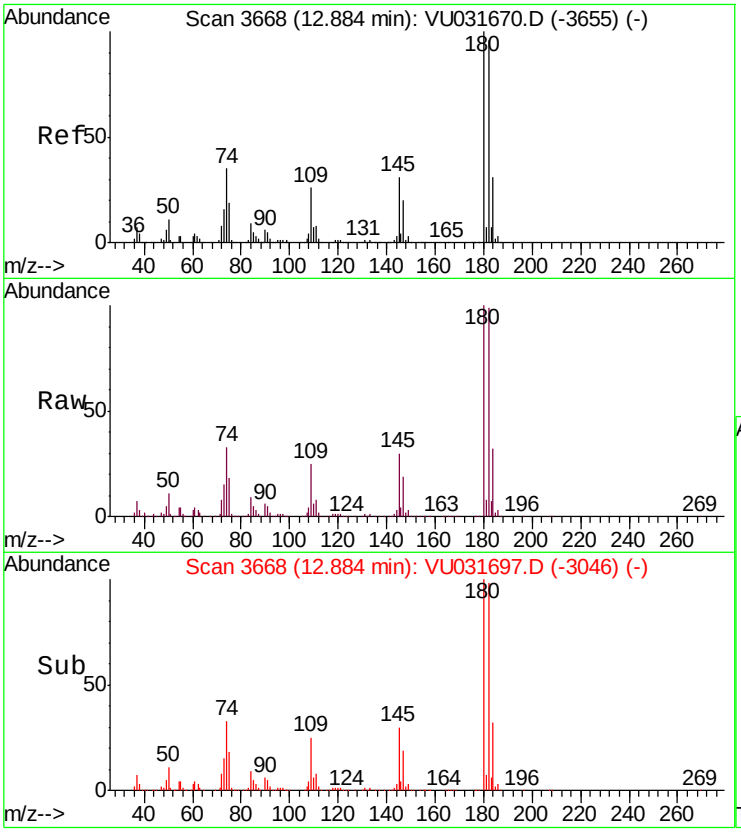


#66
1,2-Dibromo-3-chloropropane
Concen: 48.382 ug/L
RT: 12.65 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion: 75 Resp: 158755

Ion	Ratio	Lower	Upper
75	100		
155	74.2	54.0	81.0
157	100.7	69.1	103.7



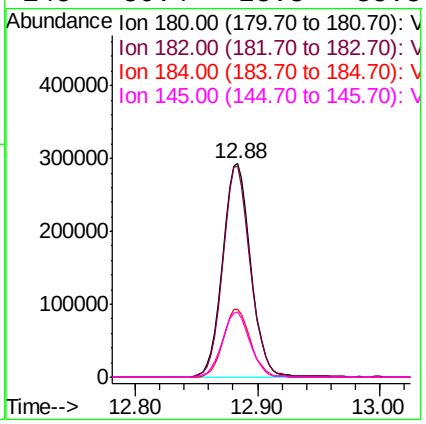


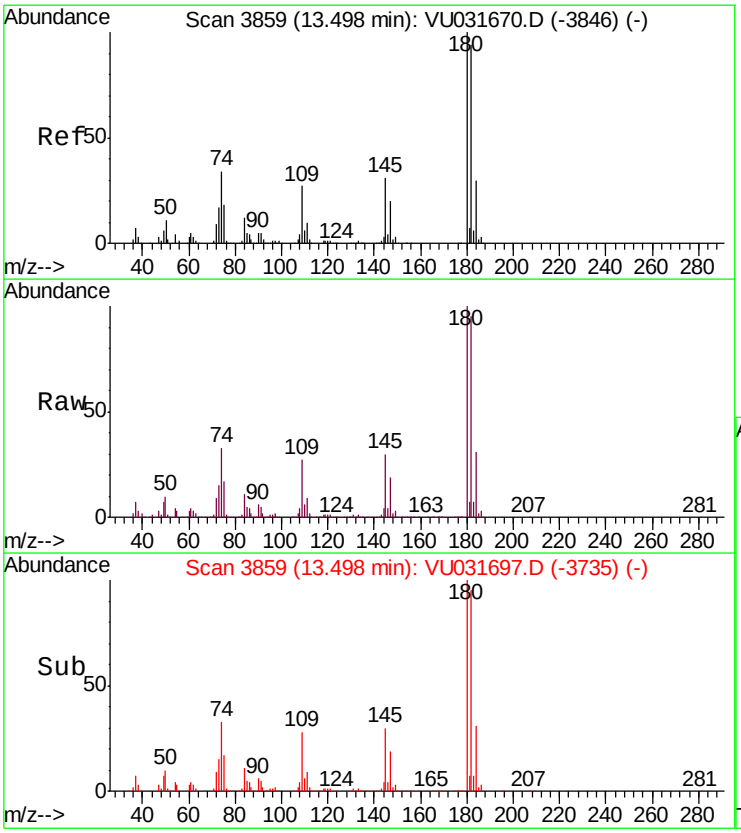
#67
1,3,5-Trichlorobenzene
Concen: 47.577 ug/L
RT: 12.88 min Scan# 3668
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion:180 Resp: 474030

Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.3	115.9
184	30.7	24.4	36.6
145	30.4	23.8	35.8

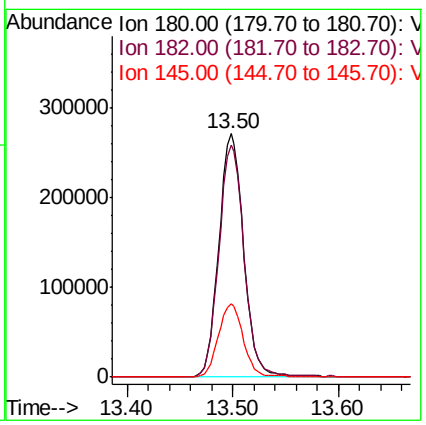


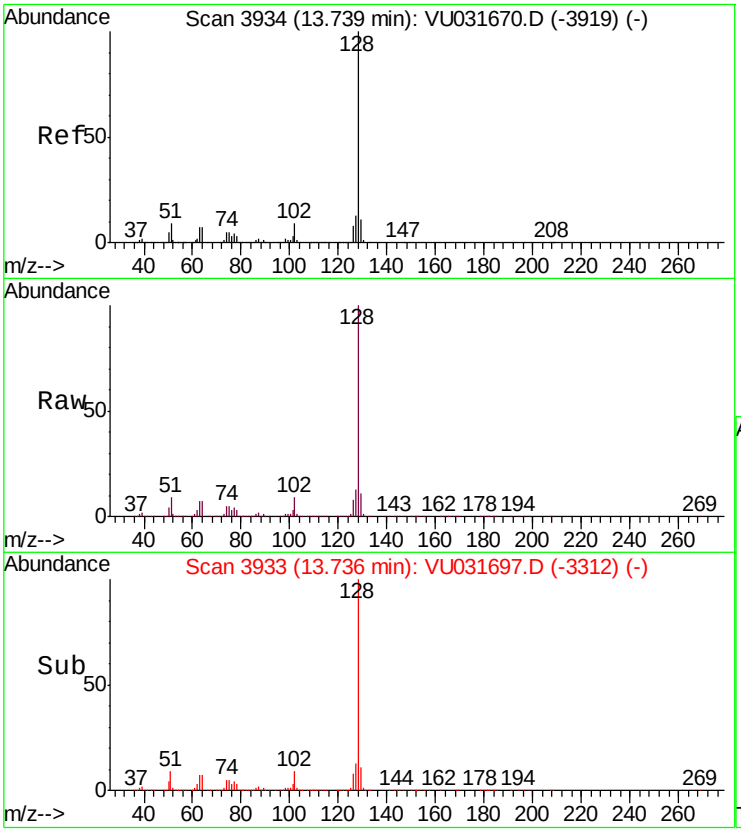


#68
1,2,4-trichlorobenzene
Concen: 55.978 ug/L
RT: 13.50 min Scan# 3859
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion:180 Resp: 441539

Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.8
145	30.4	24.5	36.7



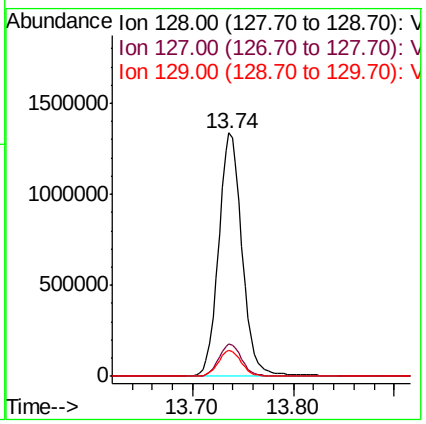


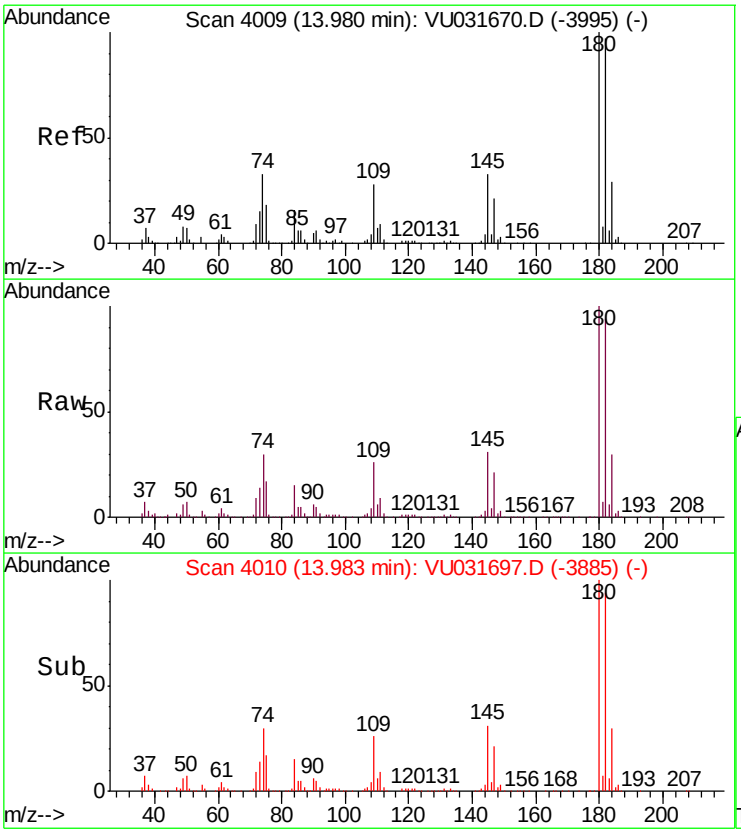
#69
Naphthalene
Concen: 80.851 ug/L
RT: 13.74 min Scan# 3933
Delta R.T. -0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion:128 Resp: 2174371

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.7	8.7	13.1





#70
1,2,3-Trichlorobenzene
Concen: 51.049 ug/L
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU031697.D
Acq: 01 May 2019 20:31

Tgt Ion:180 Resp: 458432

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.1	114.1
145	32.4	26.0	39.0