Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021920\
Data File : VU036845.D
Acq On : 19 Feb 2020 13:21
Operator : JC/MD
Sample : L1580-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBDJ1

Quant Time: Feb 20 05:01:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 20 04:46:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	119124	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	115106	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	48667	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	45585	4.45	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 89.00%			
7) Chloroethane-d5	1.93	69	42743	4.81	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 96.20%			
11) 1,1-Dichloroethene-d2	2.59	63	76063	4.44	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 88.80%			
20) 2-Butanone-d5	4.67	46	105380	49.05	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 98.10%			
24) Chloroform-d	5.11	84	76256	4.82	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.40%			
26) 1,2-Dichloroethane-d4	5.74	65	43109	4.76	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.20%			
32) Benzene-d6	5.76	84	168834	4.82	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.40%			
36) 1,2-Dichloropropane-d6	6.73	67	52208	4.70	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 94.00%			
41) Toluene-d8	7.93	98	149597	4.59	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 91.80%			
43) trans-1,3-Dichloropropene-	8.20	79	18357	4.25	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 85.00%			
46) 2-Hexanone-d5	8.66	63	88965	45.12	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 90.24%			
57) 1,1,2,2-Tetrachloroethane-	10.78	84	40724	4.65	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 93.00%			
64) 1,2-Dichlorobenzene-d4	12.21	152	46490	4.78	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 95.60%			
Target Compounds						Qvalue
3) Chloromethane	1.54	50	40431	4.938	ug/L	100
6) Bromomethane	1.87	94	20935	3.643	ug/L	94
9) Trichlorofluoromethane	2.16	101	97179	7.723	ug/L	99
12) 1,1-Dichloroethene	2.60	96	27742	3.829	ug/L	87
13) Acetone	2.66	43	118777	43.237	ug/L	98
14) Carbon disulfide	2.82	76	130852	7.483	ug/L	100
16) Methylene chloride	3.08	84	24978	2.045	ug/L	98
17) Methyl tert-butyl Ether	3.40	73	174617	8.136	ug/L	99
19) 1,1-Dichloroethane	3.91	63	144929	9.243	ug/L	97
21) 2-Butanone	4.75	43	279182	87.364	ug/L	99
27) 1,2-Dichloroethane	5.83	62	75991	7.119	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	106054	8.389	ug/L	99
30) Cyclohexane	5.42	56	167875	12.501	ug/L	98
34) Trichloroethene	6.57	95	47053	5.203	ug/L	96
35) Methylcyclohexane	6.79	83	99709	6.949	ug/L	98
37) 1,2-Dichloropropane	6.83	63	21515	2.219	ug/L	99
42) Toluene	8.00	91	327403	8.586	ug/L	97

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Data File : VU036845.D
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Operator : JC/MD
Sample : L1580-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBDJ1

Quant Time: Feb 20 05:01:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 20 04:46:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.58	164	50882	8.272	ug/L	95
48) 2-Hexanone	8.71	43	233403	43.599	ug/L	98
50) 1,2-Dibromoethane	8.95	107	91749	15.062	ug/L	98
51) Chlorobenzene	9.47	112	242045	10.261	ug/L	99
52) Ethylbenzene	9.59	91	261121	6.131	ug/L	100
53) m,p-Xylene	9.72	106	198189	12.645	ug/L	92
54) o-Xylene	10.12	106	79092	5.139	ug/L	95
55) Styrene	10.13	104	129416	4.988	ug/L	100
56) Isopropylbenzene	10.50	105	127859	3.104	ug/L	99
61) Bromoform	10.31	173	16728	4.989	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	68047	4.094	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	182765	11.306	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	4290	3.556	ug/L	95
70) 1,2,3-Trichlorobenzene	14.37	180	72378	9.060	ug/L	98

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

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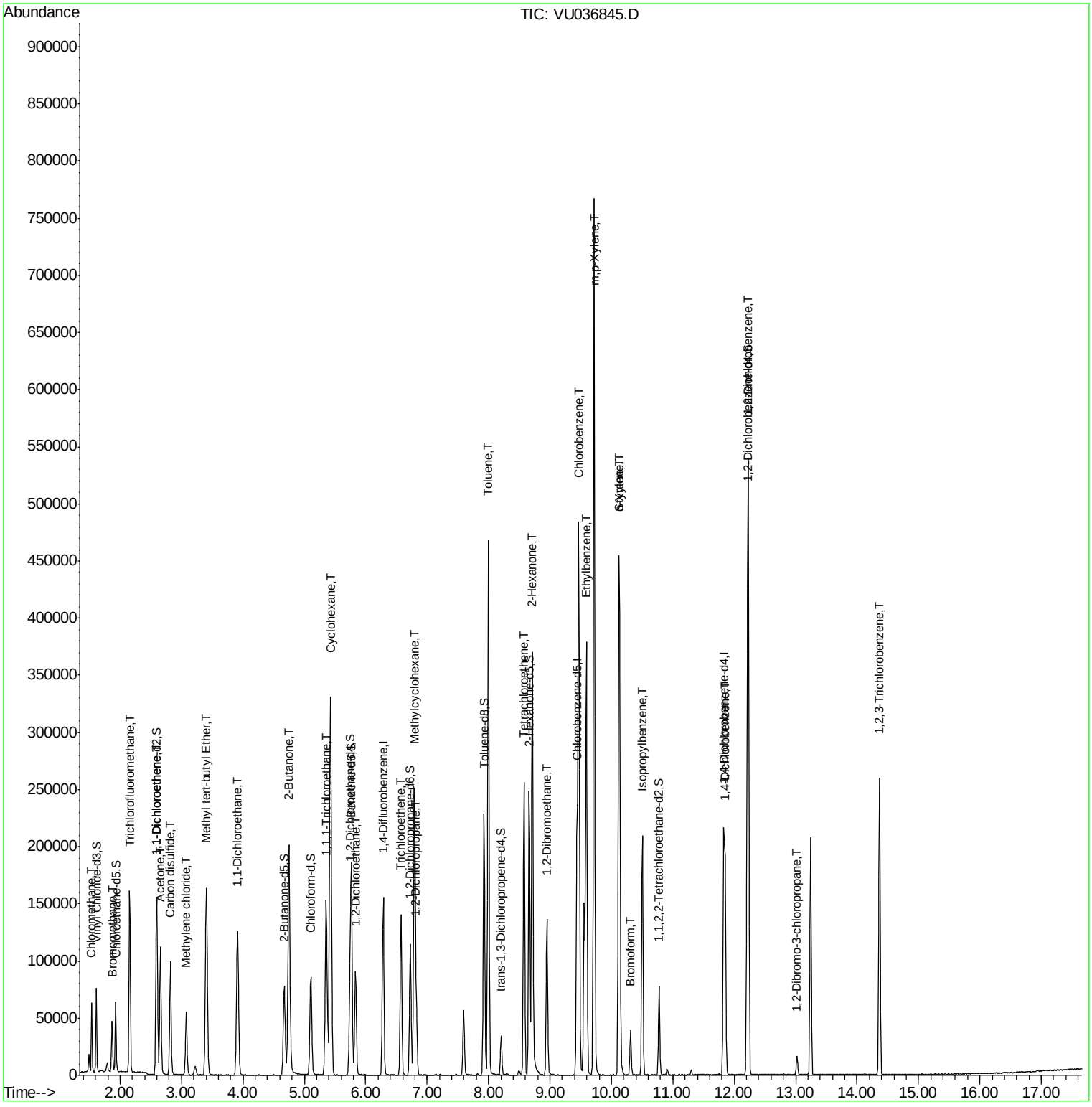
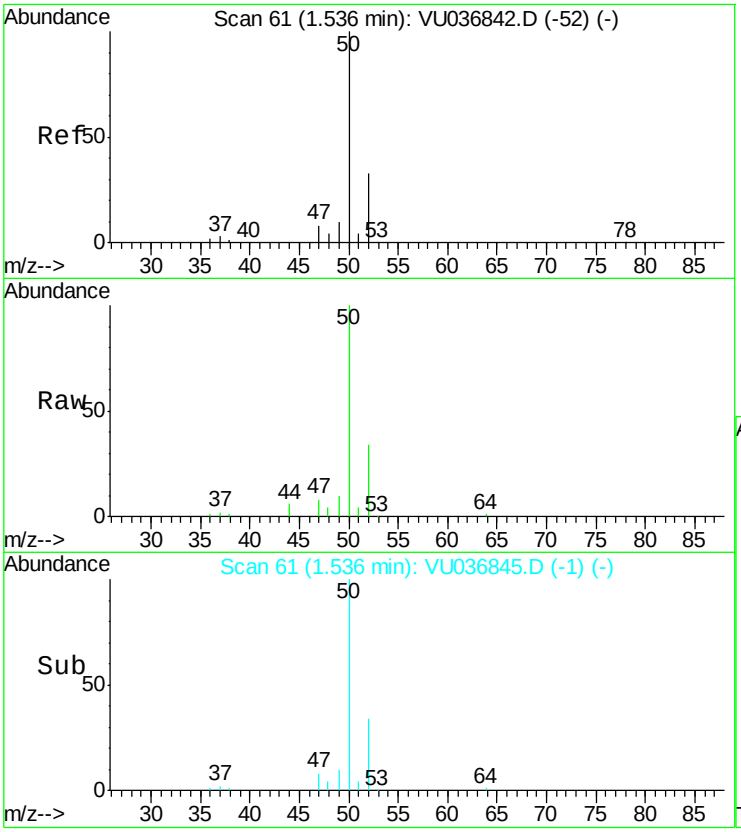
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 20 04:46:21 2020
Response via : Initial Calibration



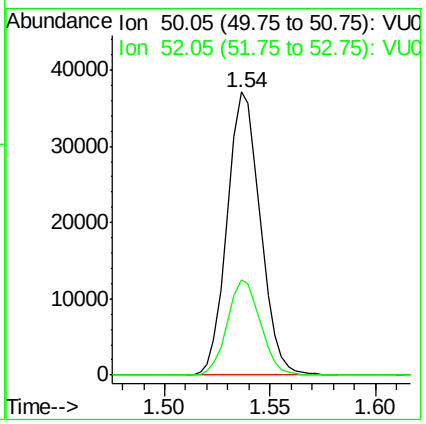


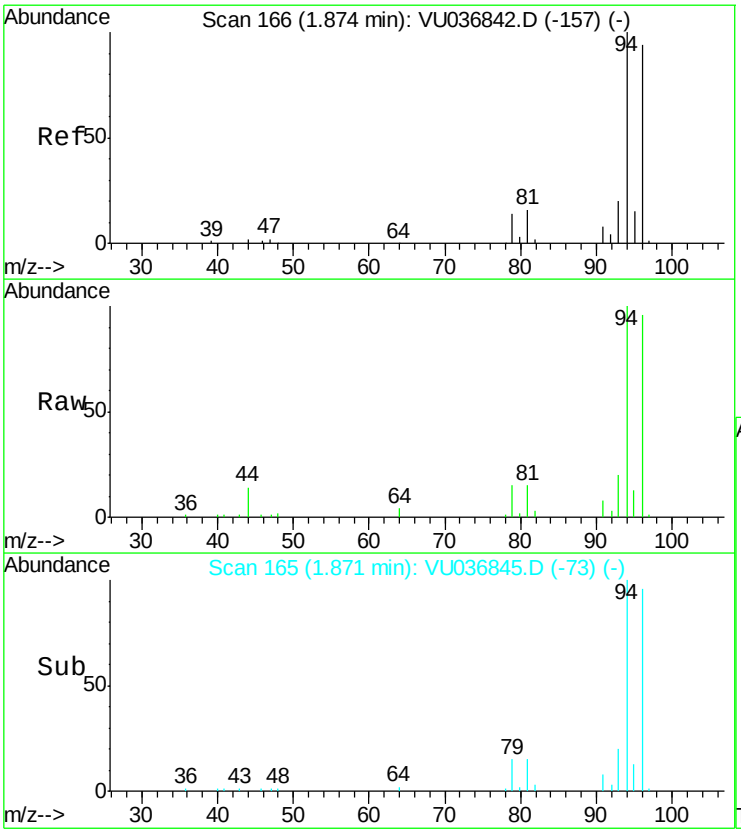
#3
Chloromethane
Concen: 4.938 ug/L
RT: 1.54 min Scan# 61
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
DBDJ1

Tgt Ion: 50 Resp: 40431

Ion	Ratio	Lower	Upper
50	100		
52	33.8	23.8	44.2

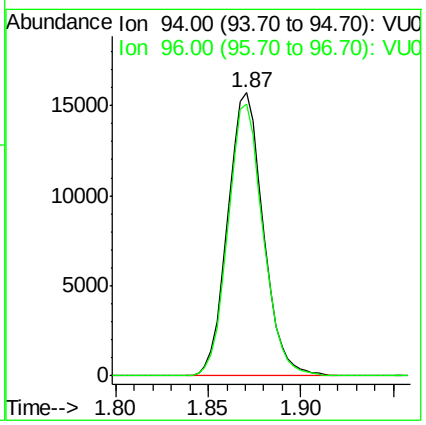


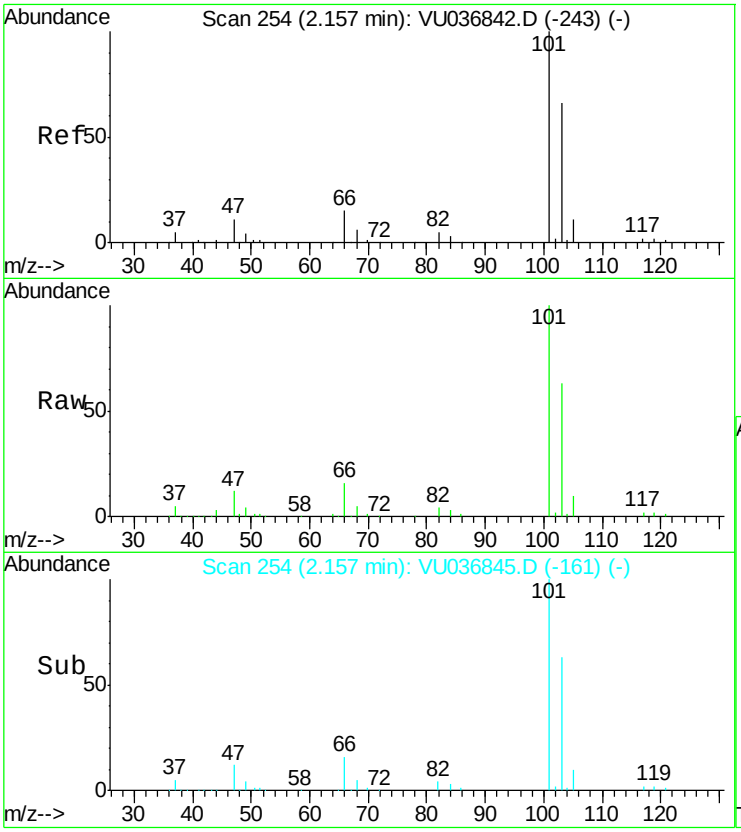


#6
Bromomethane
Concen: 3.643 ug/L
RT: 1.87 min Scan# 165
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion: 94 Resp: 20935

Ion	Ratio	Lower	Upper
94	100		
96	96.2	63.3	117.7



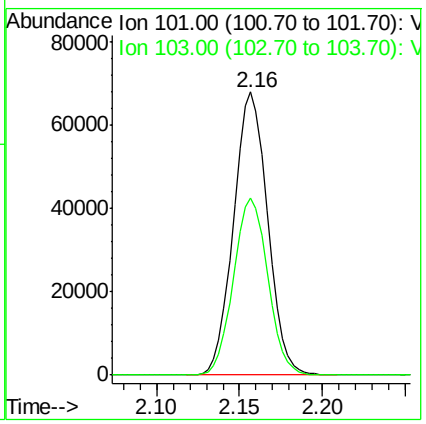


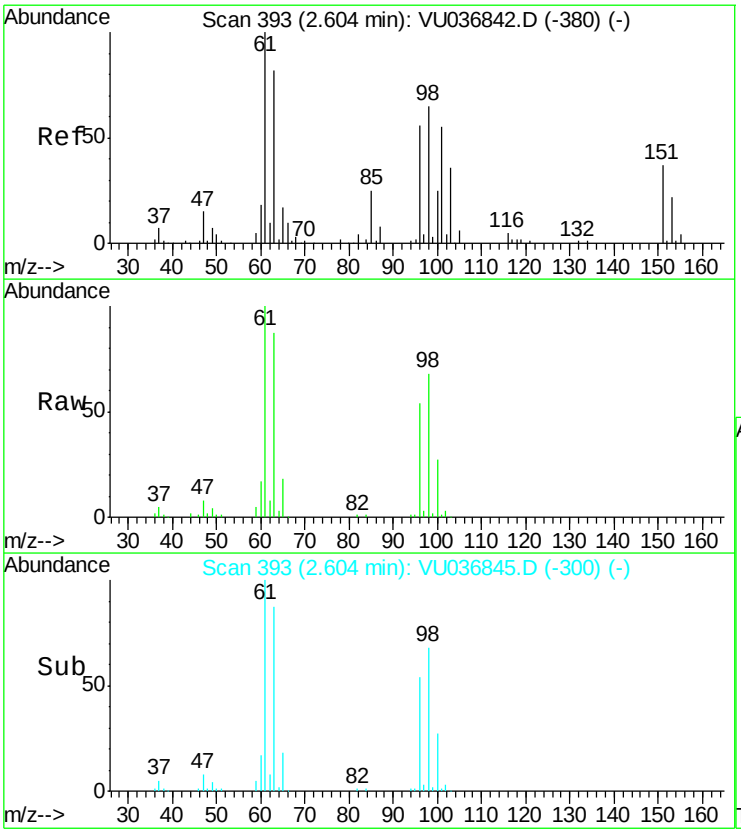
#9
Trichlorofluoromethane
Concen: 7.723 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
DBDJ1

Tgt Ion:101 Resp: 97179

Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.0	76.6

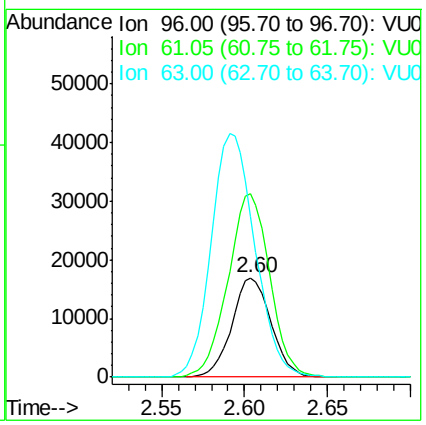


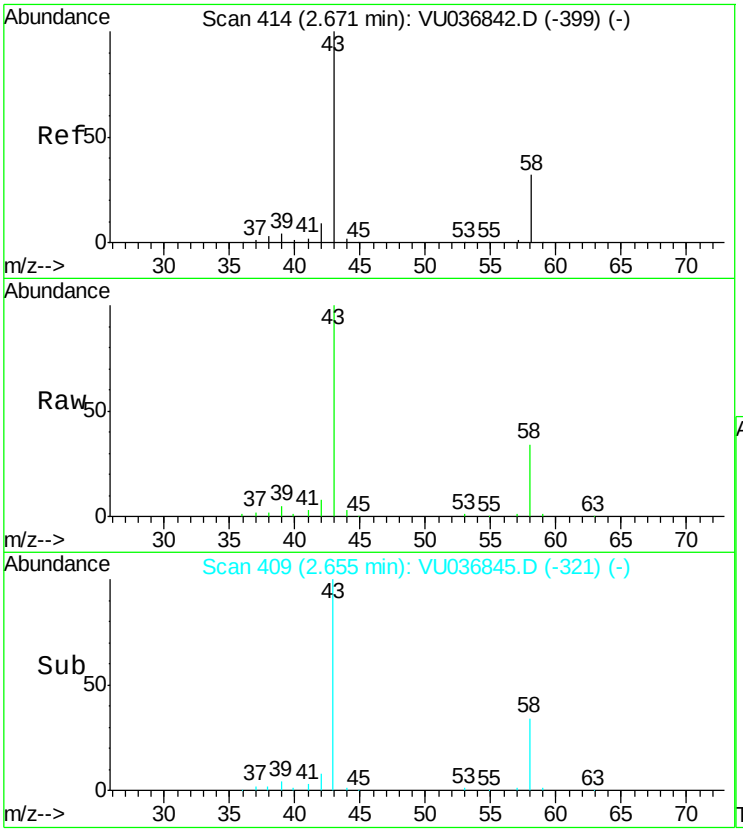


#12
1,1-Dichloroethene
Concen: 3.829 ug/L
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion: 96 Resp: 27742

Ion	Ratio	Lower	Upper
96	100		
61	184.0	126.4	234.8
63	160.8	89.5	166.3



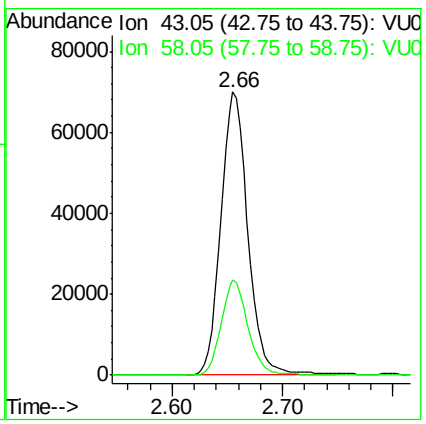


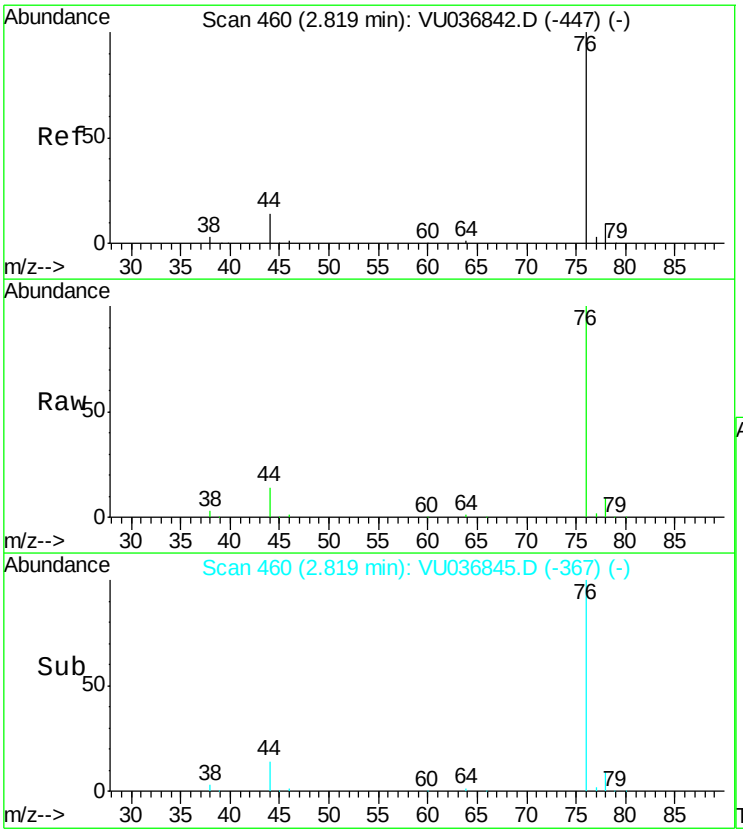
#13
Acetone
Concen: 43.237 ug/L
RT: 2.66 min Scan# 409
Delta R.T. -0.02 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument : MSVOA_U
ClientSampleId : DBDJ1

Tgt Ion: 43 Resp: 118777

Ion	Ratio	Lower	Upper
43	100		
58	33.2	0.0	64.2

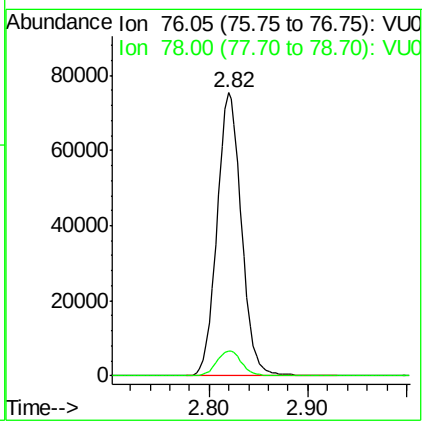


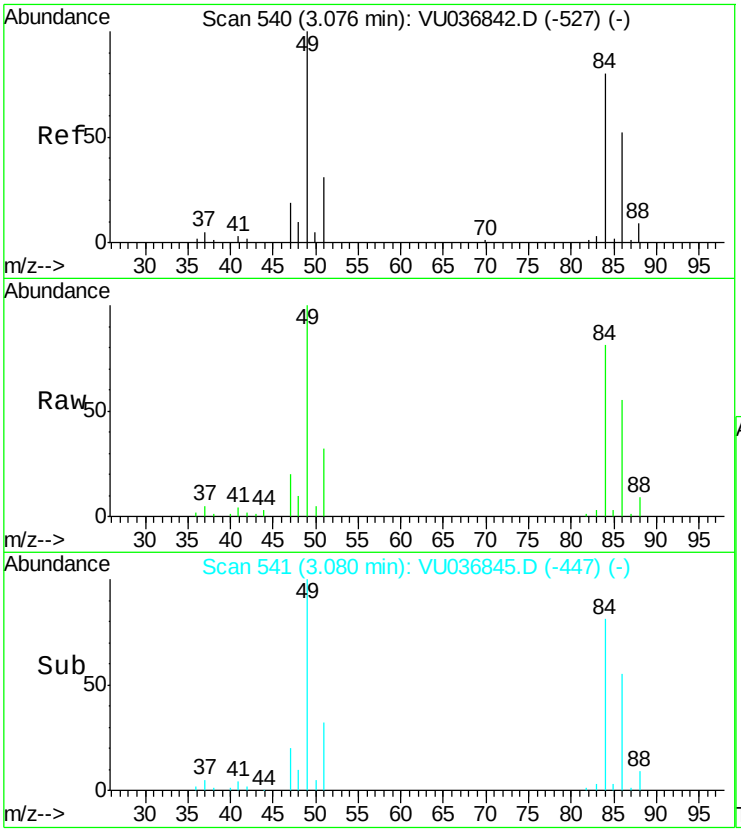


#14
Carbon disulfide
Concen: 7.483 ug/L
RT: 2.82 min Scan# 460
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion: 76 Resp: 130852

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8



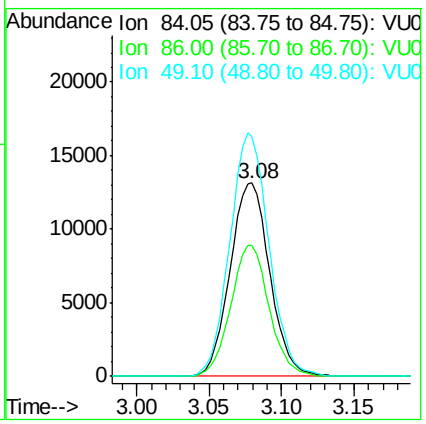


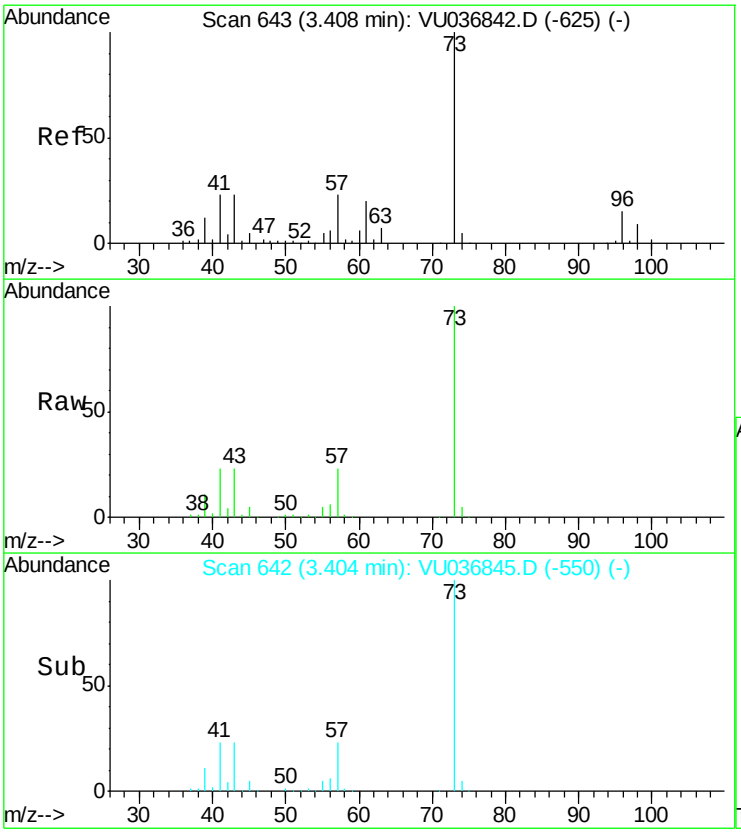
#16
Methylene chloride
Concen: 2.045 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument : MSVOA_U
ClientSampleId : DBDJ1

Tgt Ion: 84 Resp: 24978

Ion	Ratio	Lower	Upper
84	100		
86	67.6	44.7	82.9
49	124.0	86.7	160.9

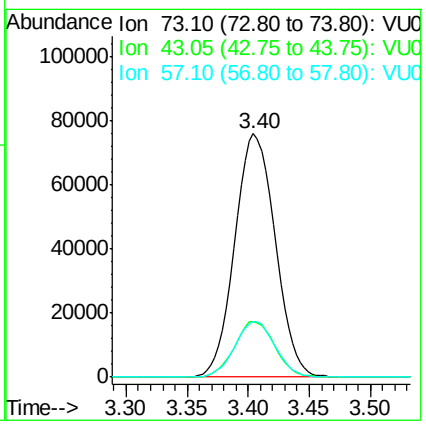


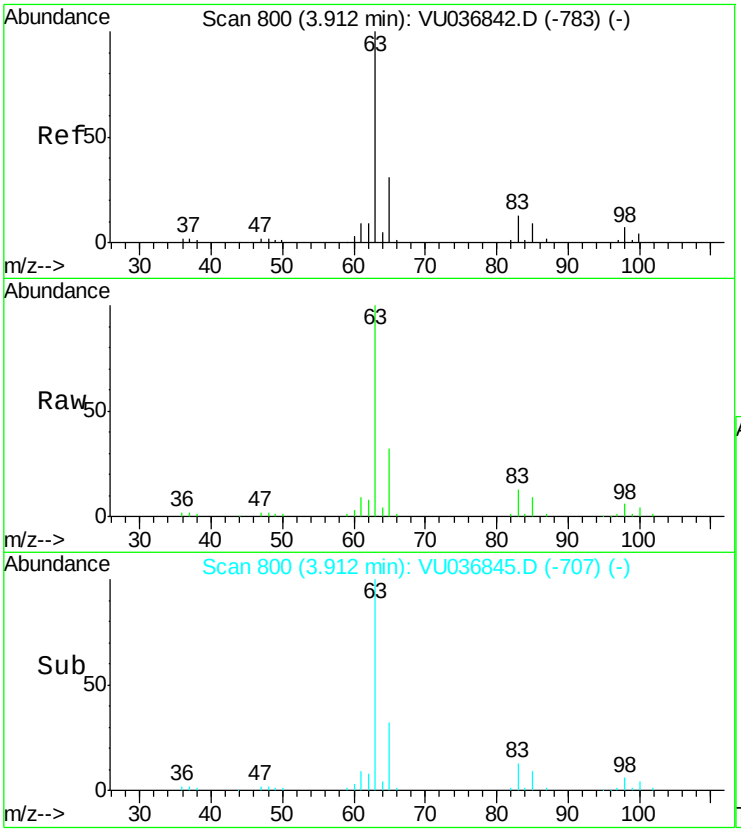


#17
Methyl tert-butyl Ether
Concen: 8.136 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion: 73 Resp: 174617

Ion	Ratio	Lower	Upper
73	100		
43	23.0	18.7	28.1
57	22.7	17.9	26.9



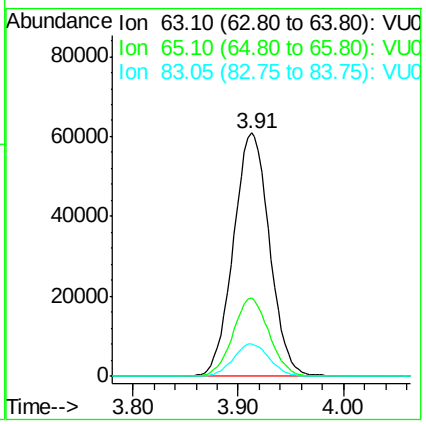


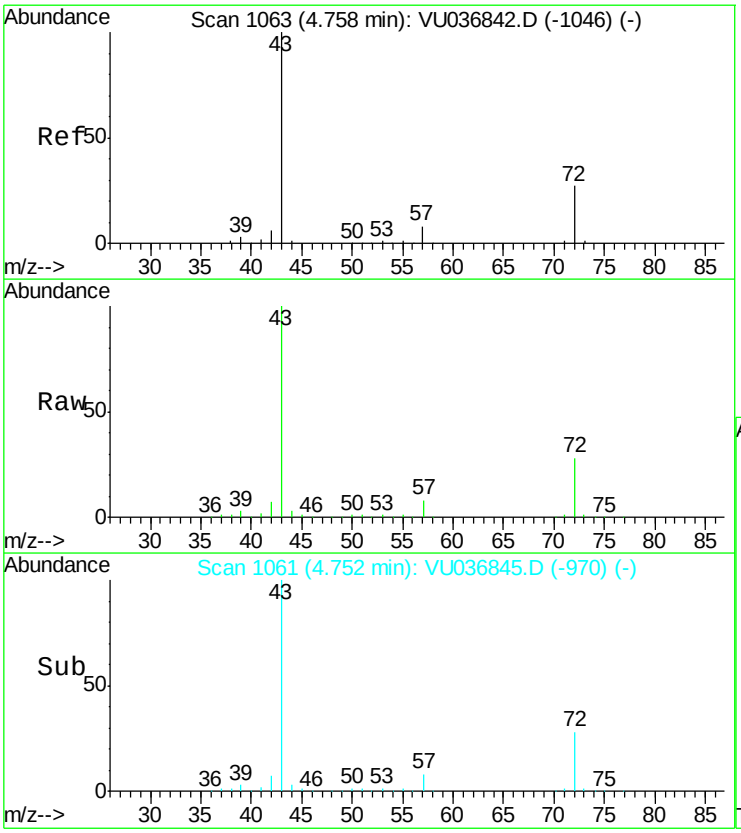
#19
1,1-Dichloroethane
Concen: 9.243 ug/L
RT: 3.91 min Scan# 800
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
DBDJ1

Tgt Ion: 63 Resp: 144929

Ion	Ratio	Lower	Upper
63	100		
65	32.5	21.6	40.2
83	13.3	8.8	16.3

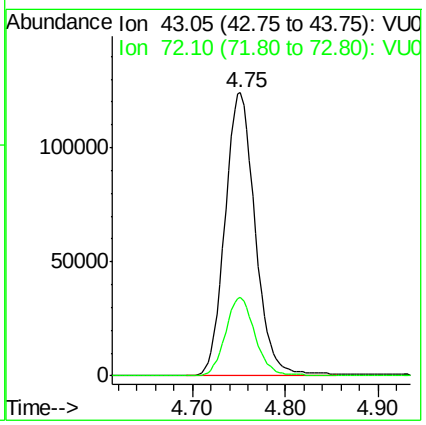


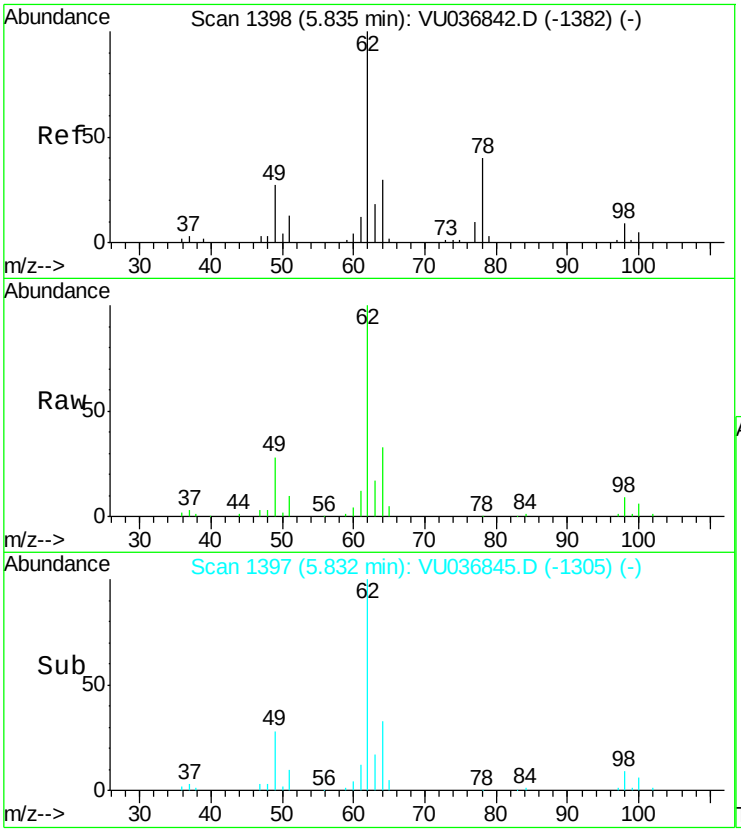


#21
2-Butanone
Concen: 87.364 ug/L
RT: 4.75 min Scan# 1061
Delta R.T. -0.01 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion: 43 Resp: 279182

Ion	Ratio	Lower	Upper
43	100		
72	27.5	14.0	41.9



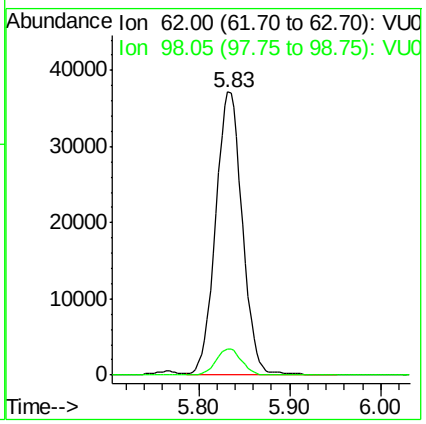


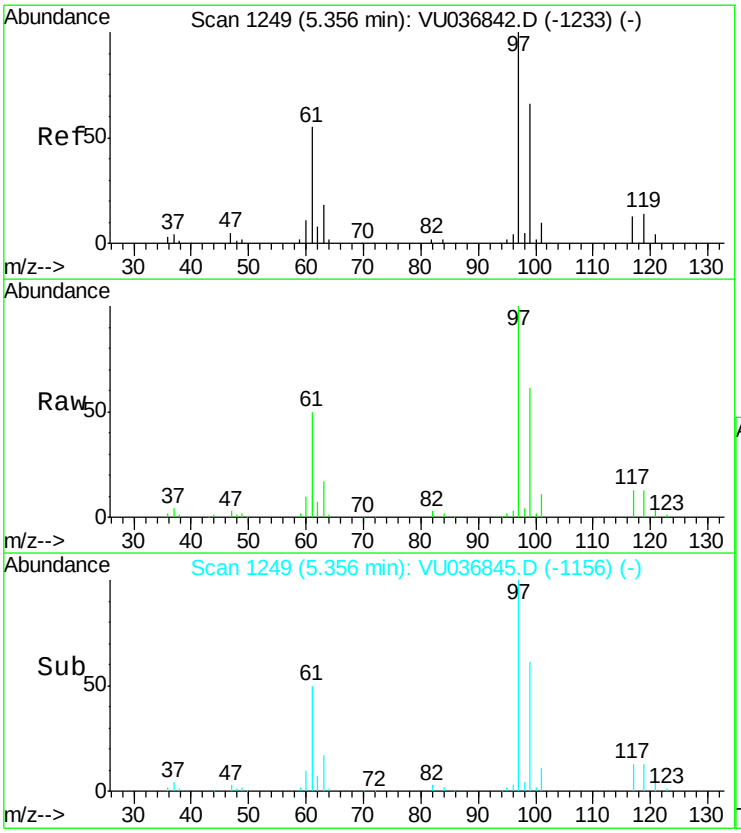
#27
1,2-Dichloroethane
Concen: 7.119 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument : MSVOA_U
ClientSampleId : DBDJ1

Tgt Ion: 62 Resp: 75991

Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.0	10.4

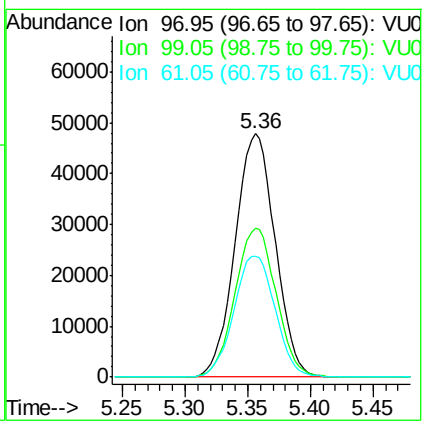


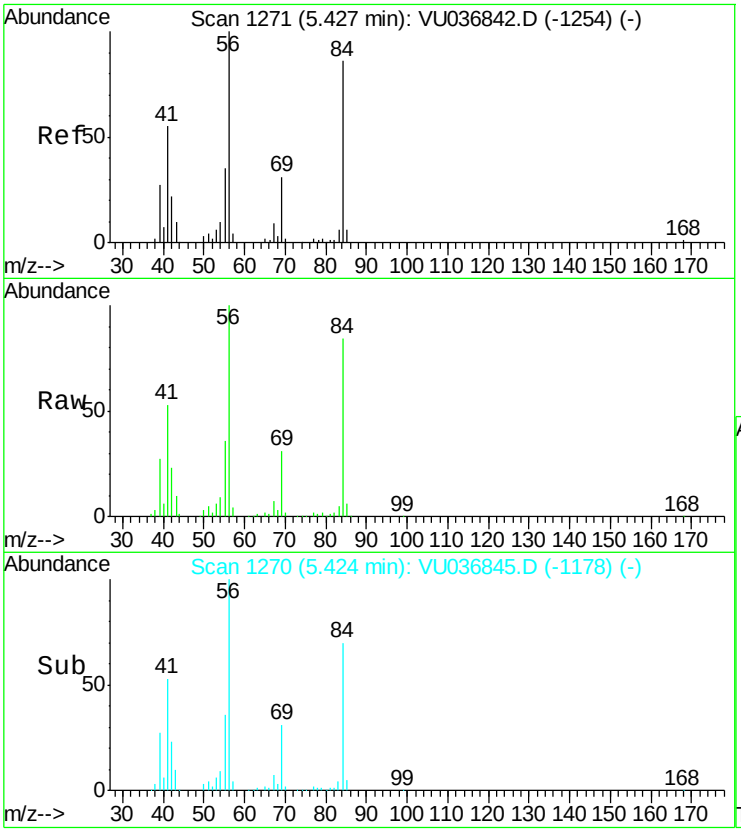


#29
1,1,1-Trichloroethane
Concen: 8.389 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion: 97 Resp: 106054

Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.0	76.4
61	51.5	41.6	62.4



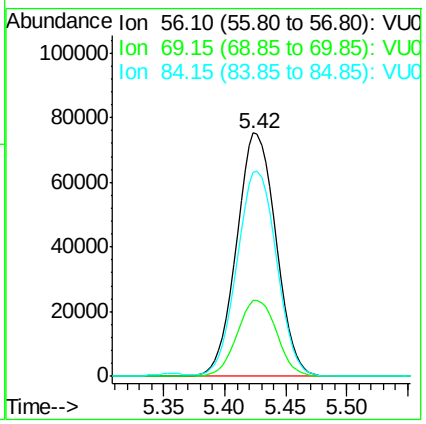


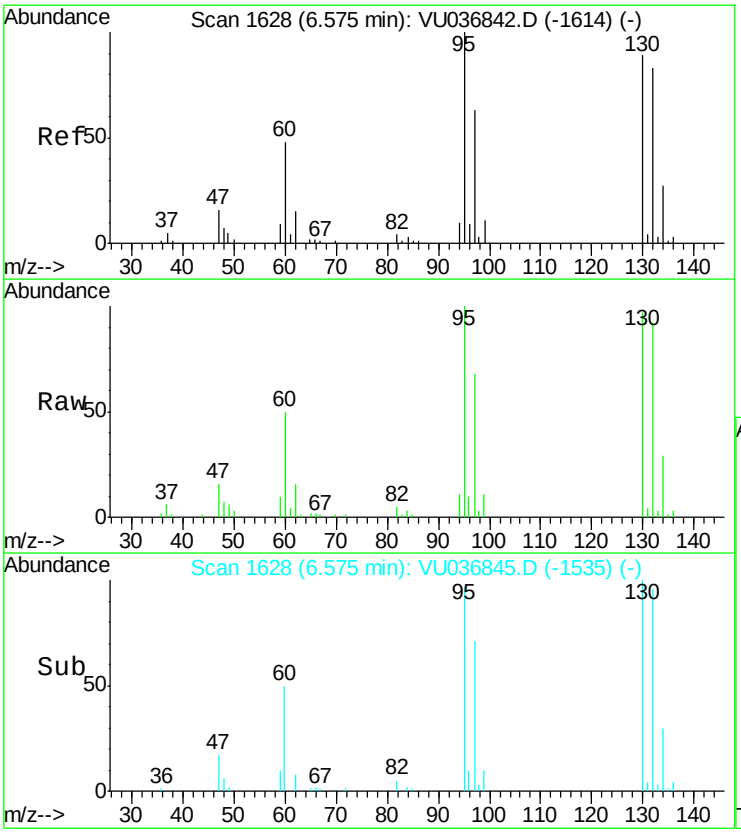
#30
Cyclohexane
Concen: 12.501 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument : MSVOA_U
ClientSampleId : DBDJ1

Tgt Ion: 56 Resp: 167875

Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.6	37.0
84	85.2	70.0	105.0

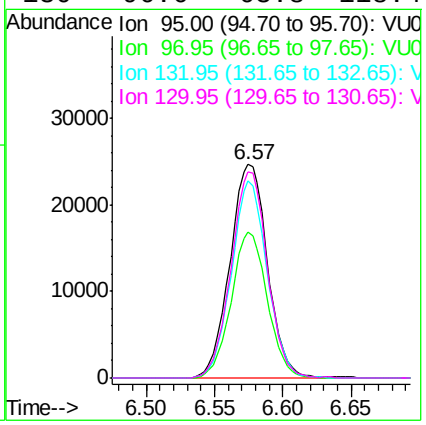


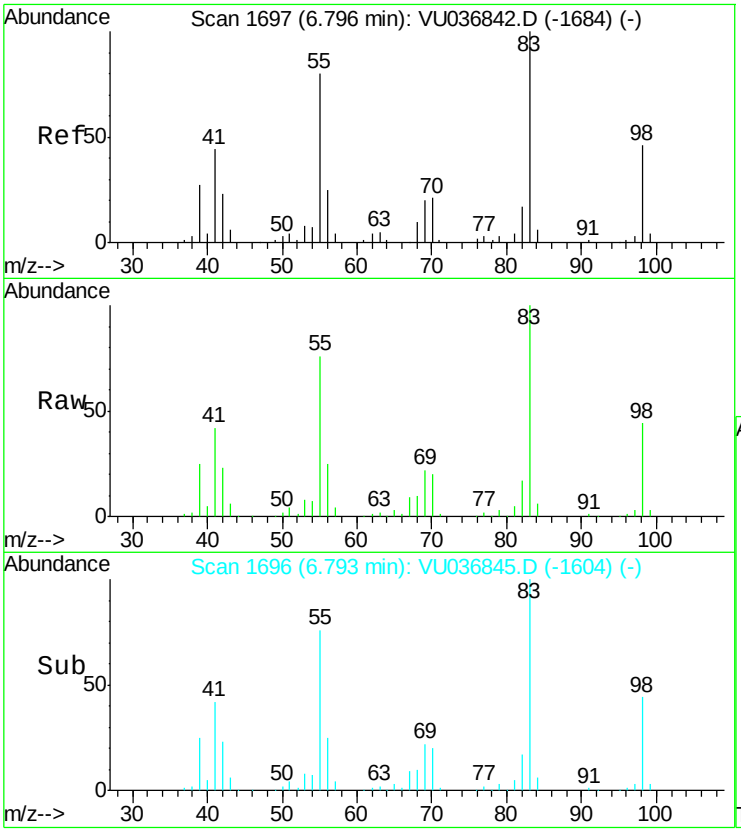


#34
Trichloroethene
Concen: 5.203 ug/L
RT: 6.57 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion: 95 Resp: 47053

Ion	Ratio	Lower	Upper
95	100		
97	68.3	45.6	84.8
132	92.3	62.8	116.6
130	96.6	63.8	118.4



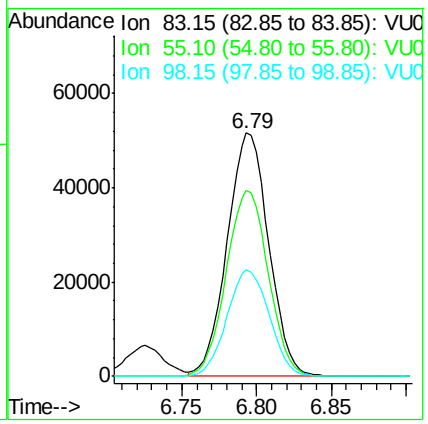


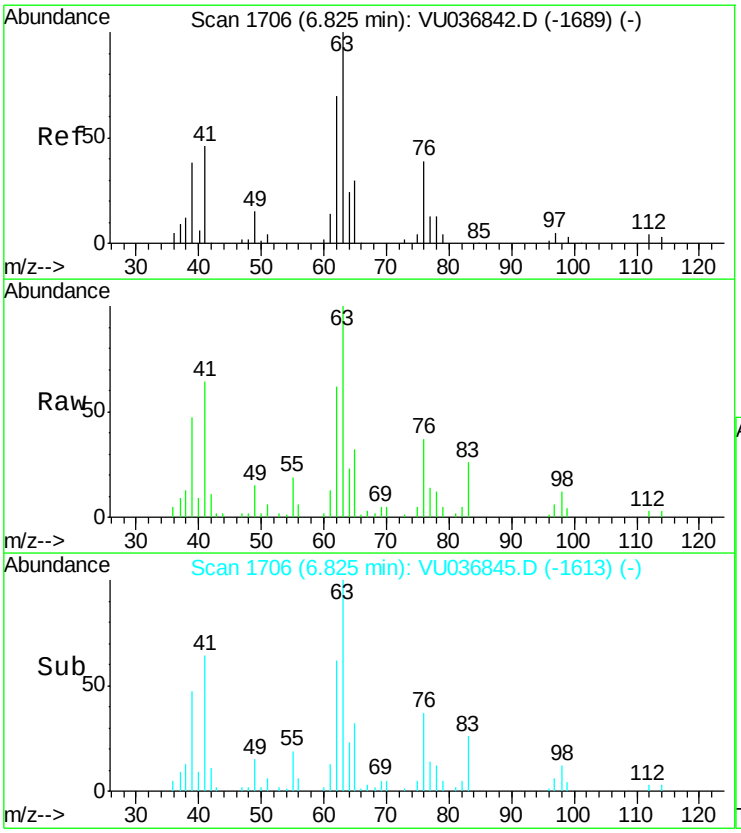
#35
Methylcyclohexane
Concen: 6.949 ug/L
RT: 6.79 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument : MSVOA_U
ClientSampleId : DBDJ1

Tgt Ion: 83 Resp: 99709

Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.0	91.4
98	44.6	34.2	51.4

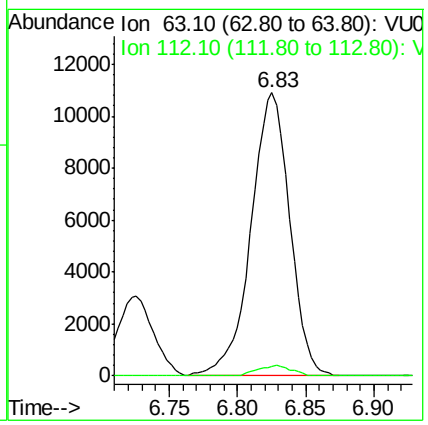


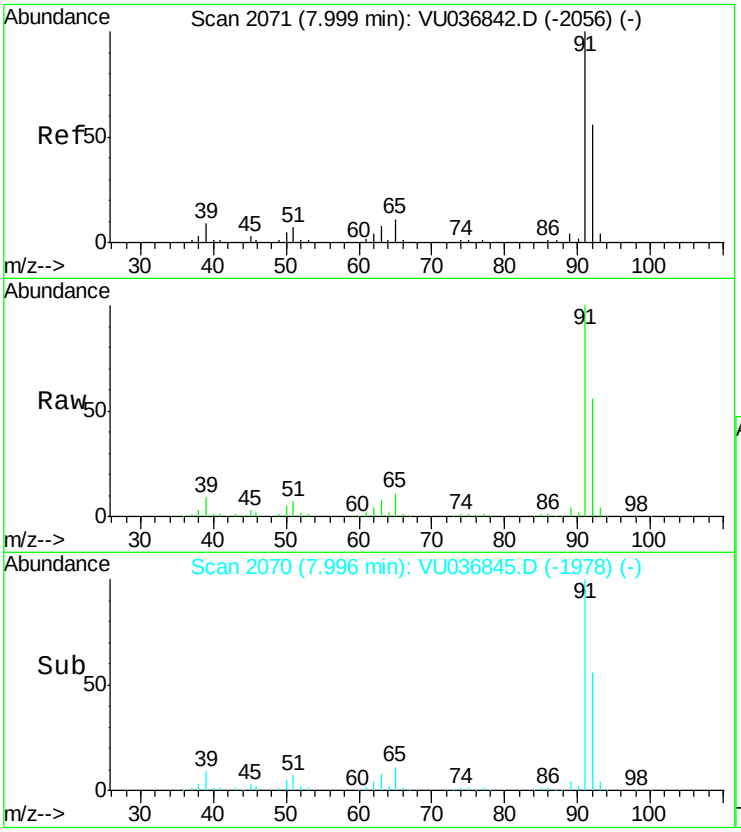


#37
1,2-Dichloropropane
Concen: 2.219 ug/L
RT: 6.83 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion: 63 Resp: 21515

Ion	Ratio	Lower	Upper
63	100		
112	3.2	3.0	4.4



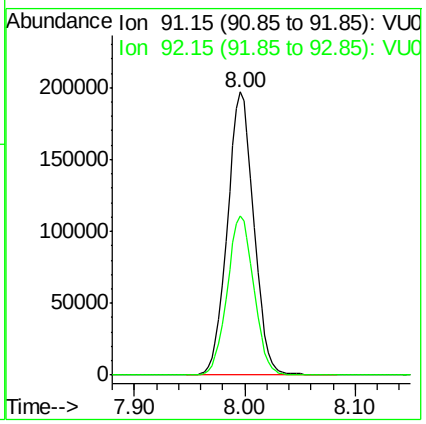


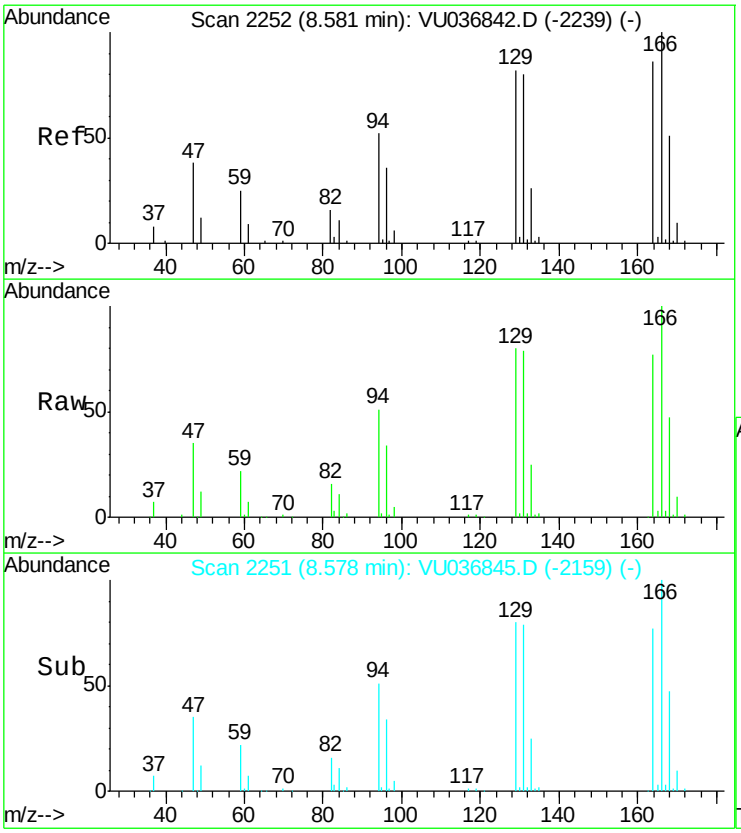
#42
Toluene
Concen: 8.586 ug/L
RT: 8.00 min Scan# 2070
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument : MSVOA_U
ClientSampleId : DBDJ1

Tgt Ion: 91 Resp: 327403

Ion	Ratio	Lower	Upper
91	100		
92	56.5	41.2	76.4

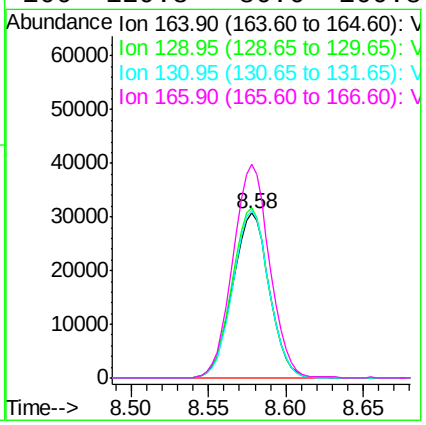


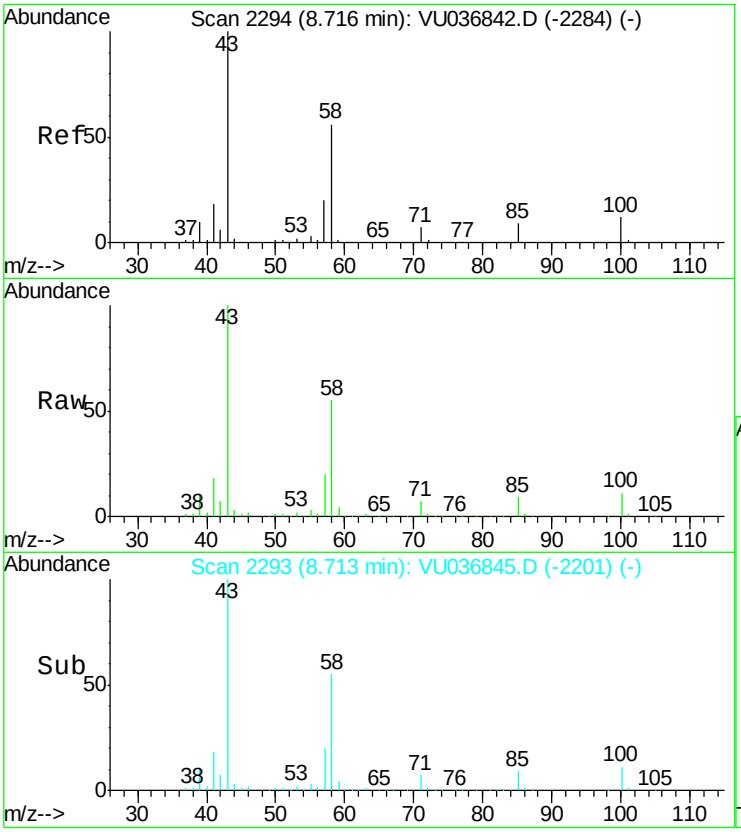


#47
Tetrachloroethene
Concen: 8.272 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion:164 Resp: 50882

Ion	Ratio	Lower	Upper
164	100		
129	103.2	68.0	126.4
131	101.9	69.4	128.8
166	129.8	86.6	160.8



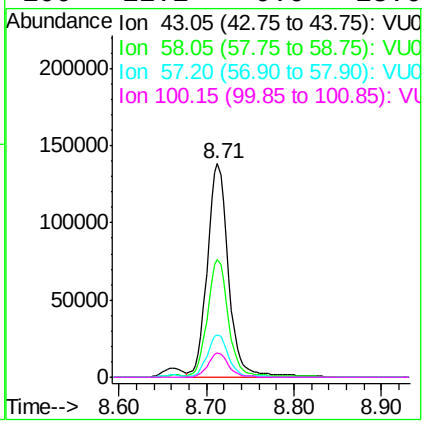


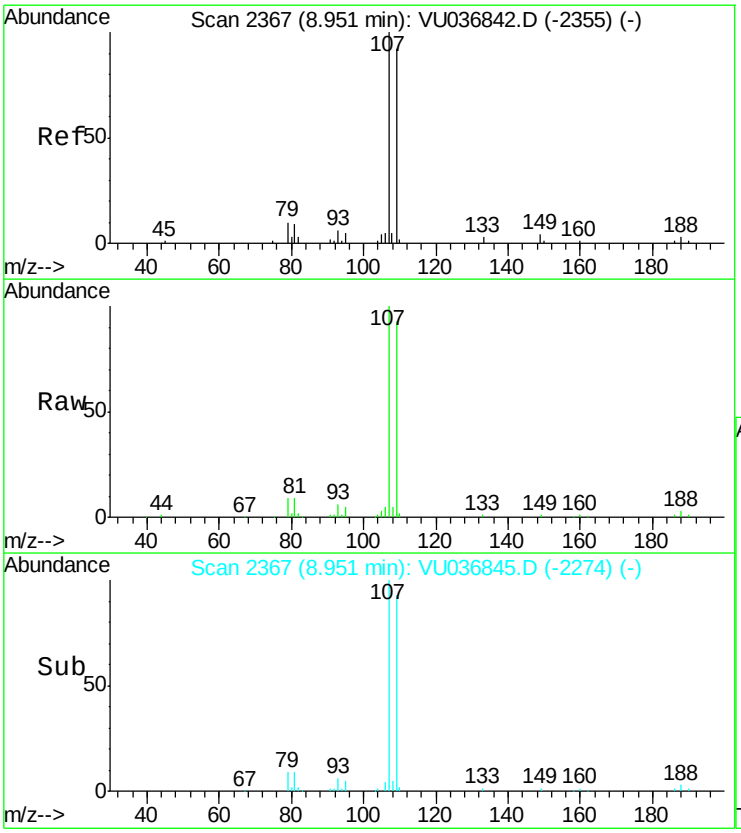
#48
2-Hexanone
Concen: 43.599 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument : MSVOA_U
ClientSampleId : DBDJ1

Tgt Ion: 43 Resp: 233403

Ion	Ratio	Lower	Upper
43	100		
58	53.2	43.6	65.4
57	19.6	15.0	22.4
100	11.1	9.0	13.6

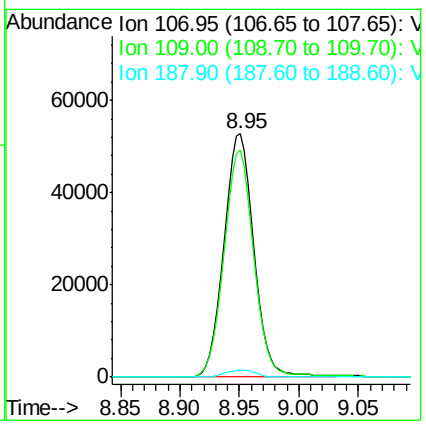


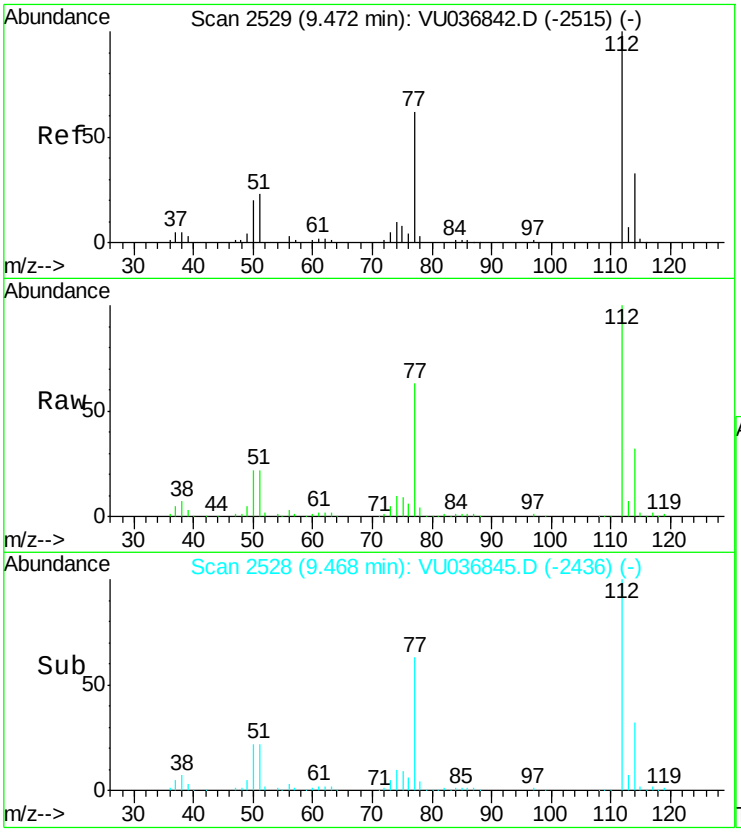


#50
1,2-Dibromoethane
Concen: 15.062 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion:107 Resp: 91749

Ion	Ratio	Lower	Upper
107	100		
109	93.1	66.4	123.2
188	2.8	2.4	3.6



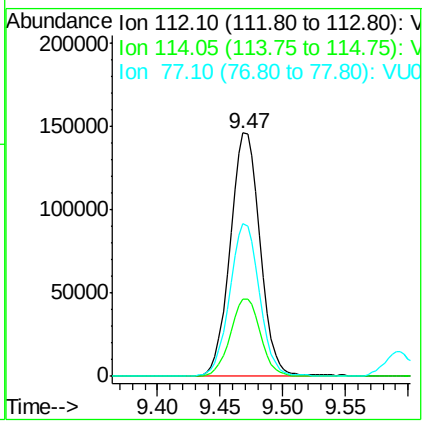


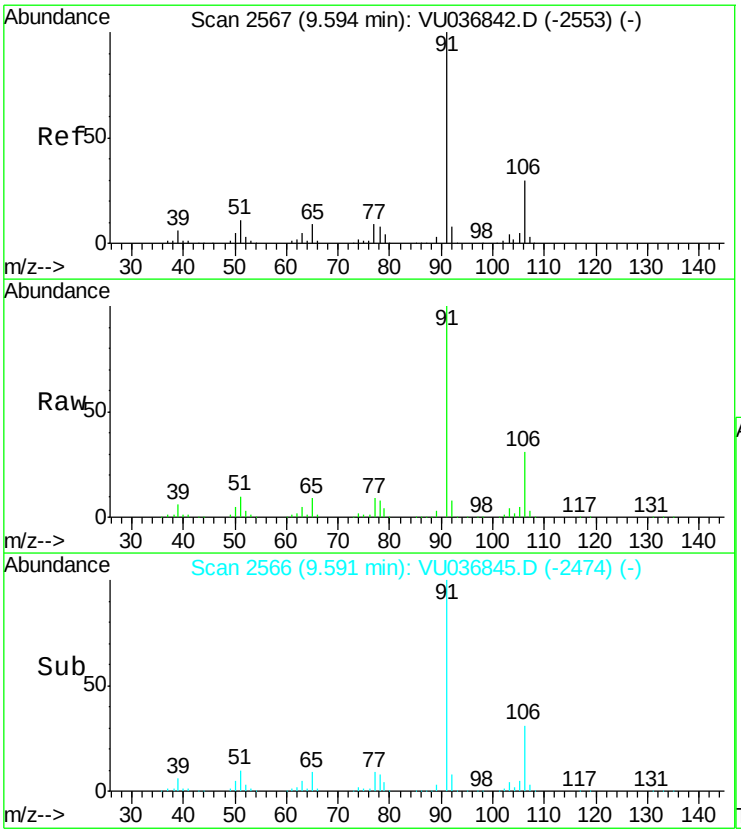
#51
Chlorobenzene
Concen: 10.261 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument : MSVOA_U
ClientSampleId : DBDJ1

Tgt Ion:112 Resp: 242045

Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.9	42.5
77	62.6	51.0	76.4

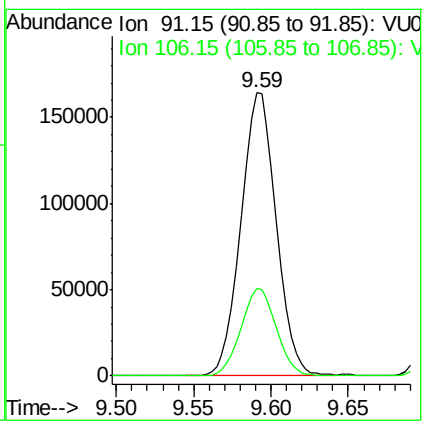


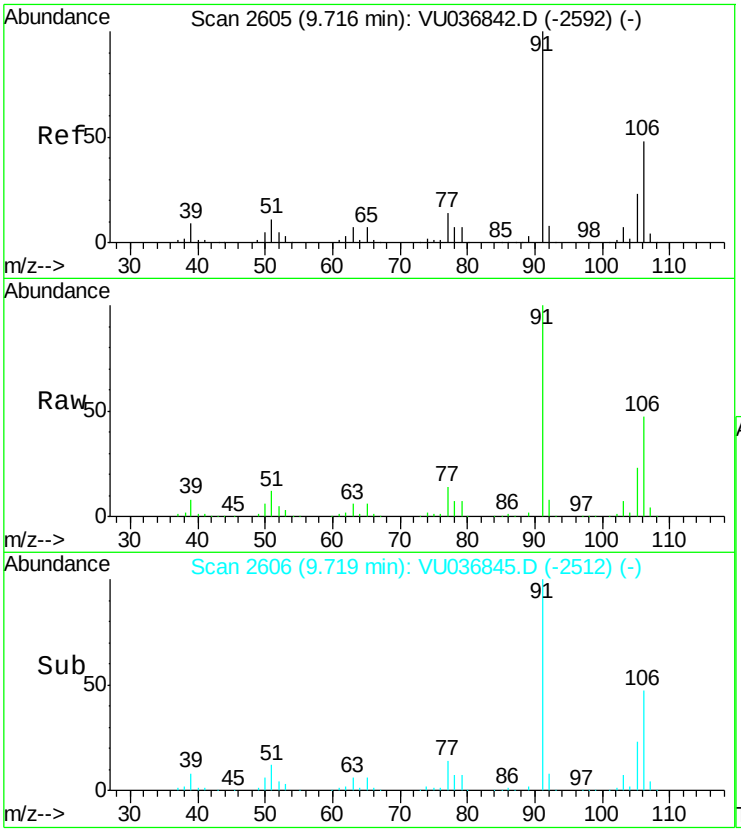


#52
Ethylbenzene
Concen: 6.131 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion: 91 Resp: 261121

Ion	Ratio	Lower	Upper
91	100		
106	30.8	21.5	39.9



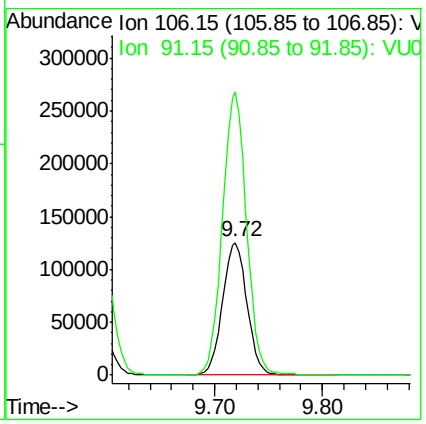


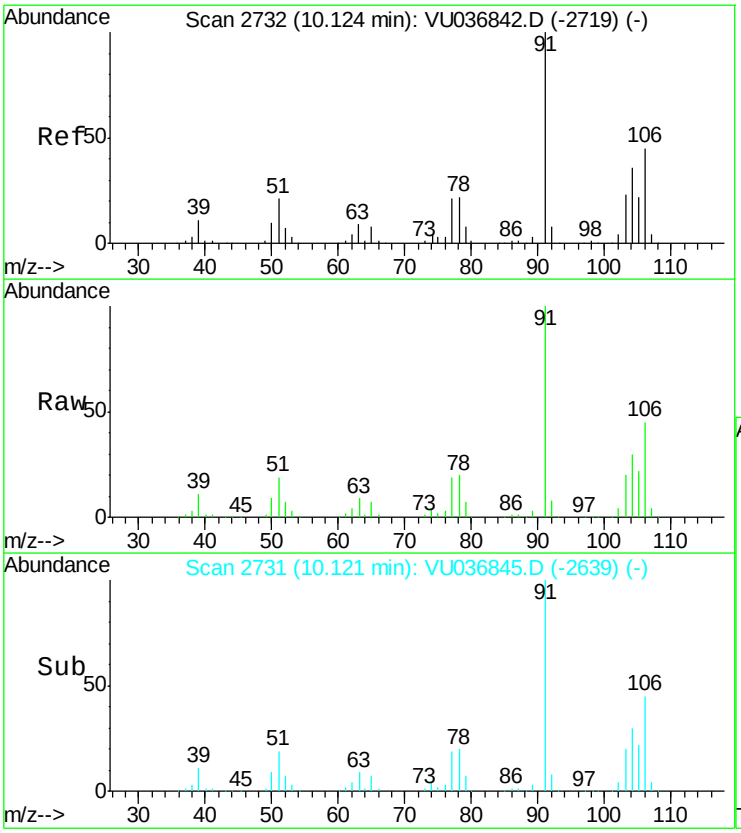
#53
m,p-Xylene
Concen: 12.645 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument : MSVOA_U
ClientSampleId : DBDJ1

Tgt Ion:106 Resp: 198189

Ion	Ratio	Lower	Upper
106	100		
91	213.1	141.1	262.0

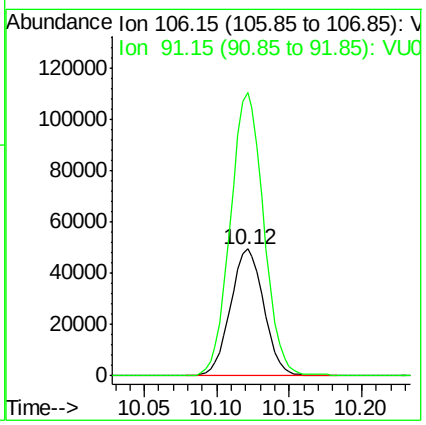


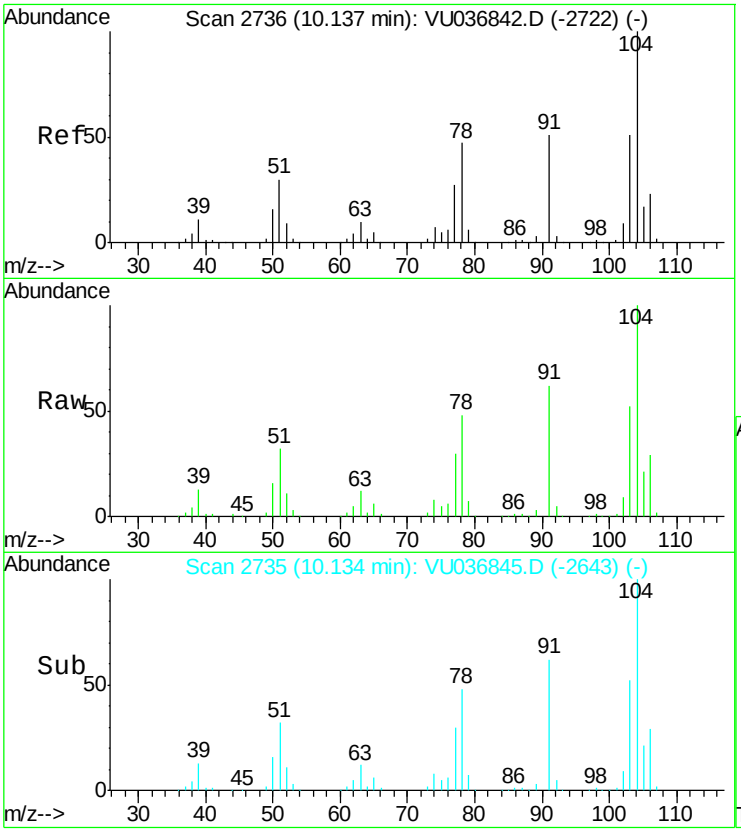


#54
o-Xylene
Concen: 5.139 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion:106 Resp: 79092

Ion	Ratio	Lower	Upper
106	100		
91	223.2	151.1	280.5



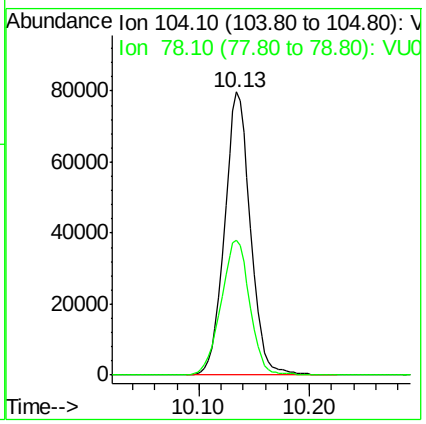


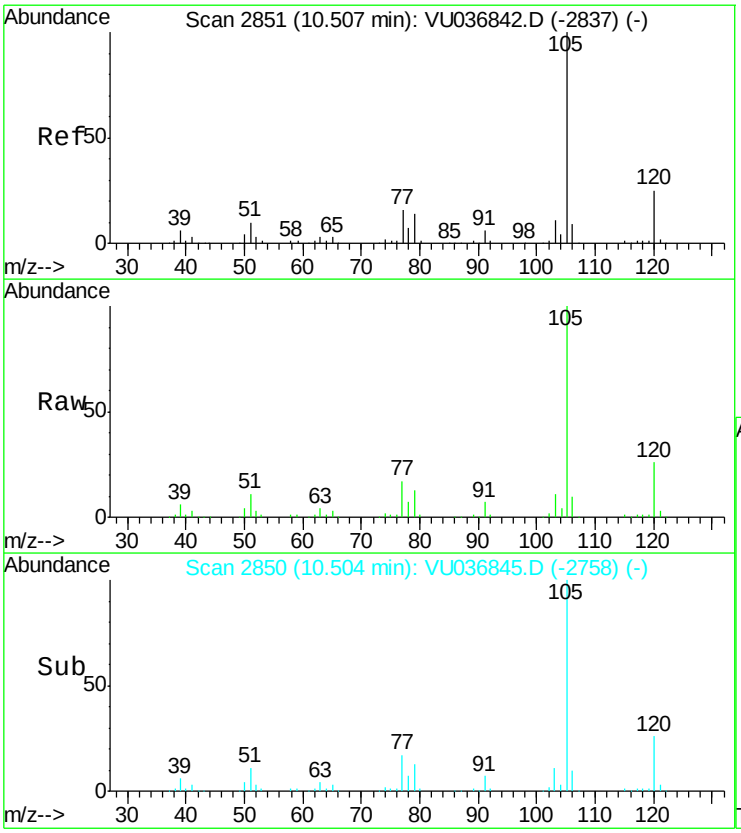
#55
Stvrene
Concen: 4.988 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
DBDJ1

Tgt Ion:104 Resp: 129416

Ion	Ratio	Lower	Upper
104	100		
78	47.9	33.5	62.3

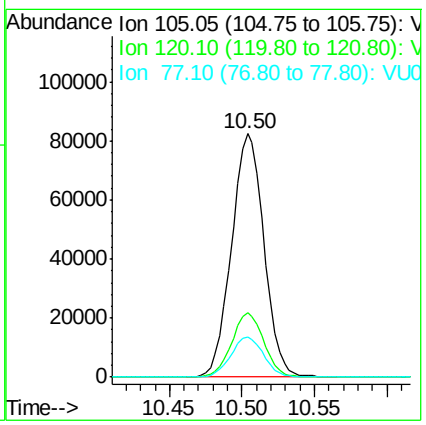


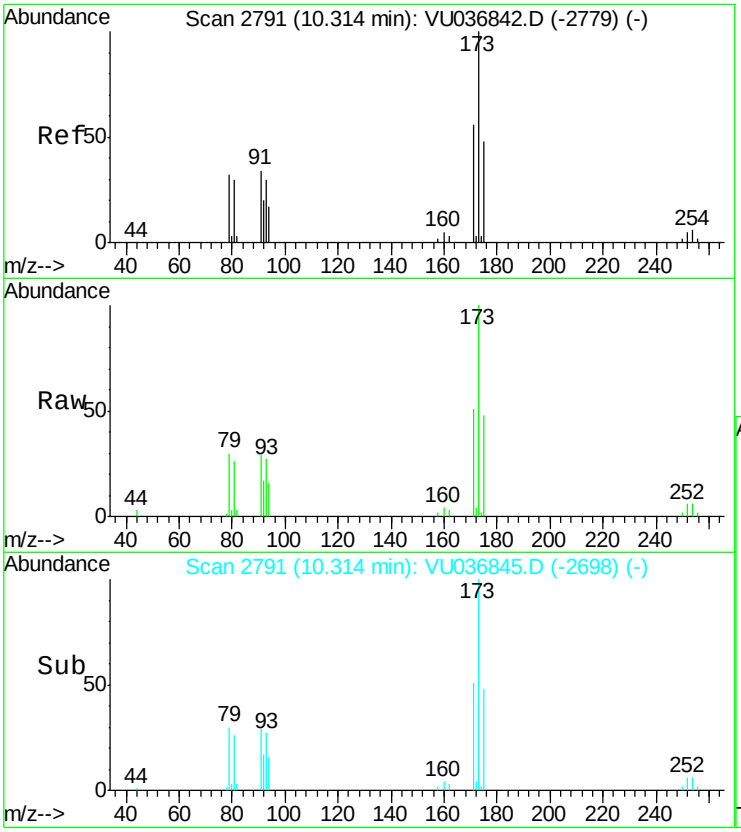


#56
Isopropylbenzene
Concen: 3.104 ug/L
RT: 10.50 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion:105 Resp: 127859

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.5	30.7
77	16.8	13.0	19.6



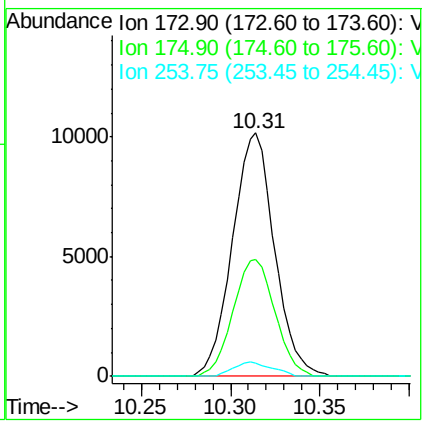


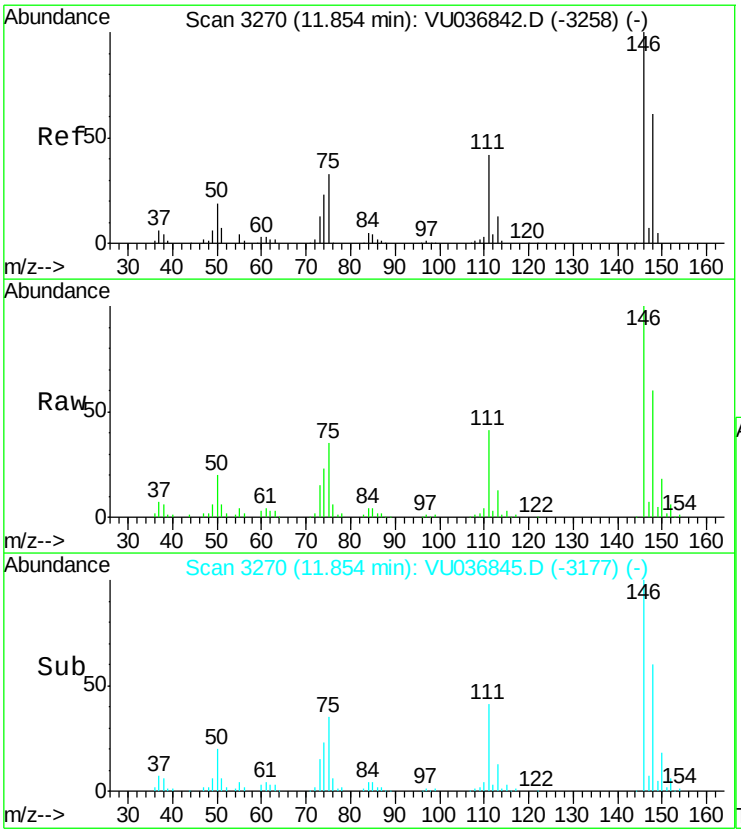
#61
Bromoform
Concen: 4.989 ug/L
RT: 10.31 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument : MSVOA_U
ClientSampleId : DBDJ1

Tgt Ion:173 Resp: 16728

Ion	Ratio	Lower	Upper
173	100		
175	47.7	39.9	59.9
254	5.5	4.6	6.8

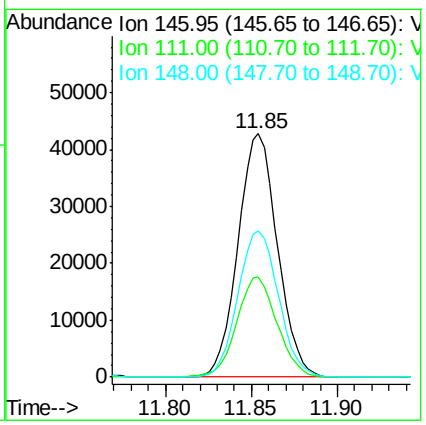


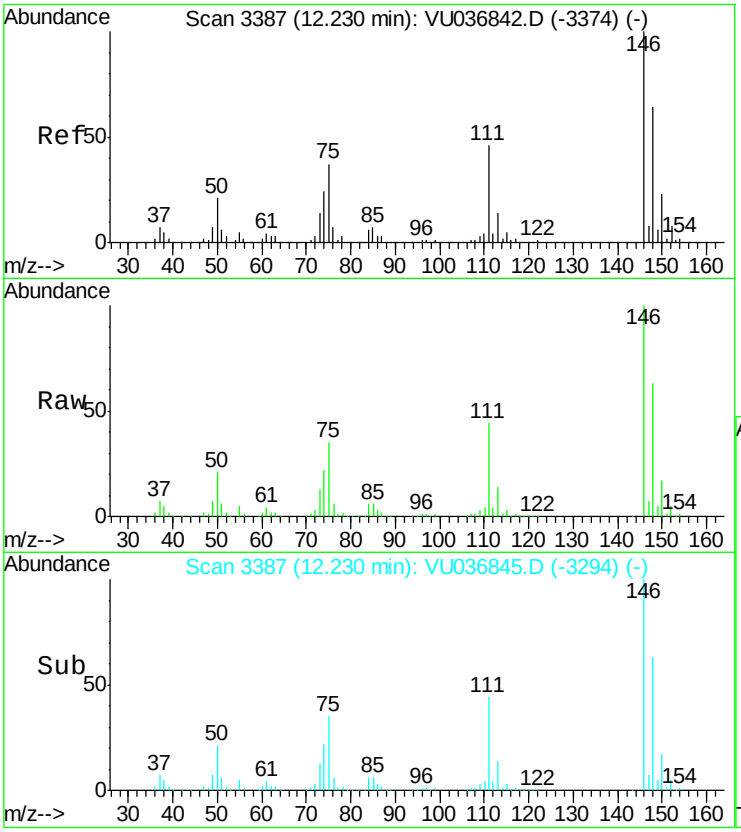


#63
1,4-Dichlorobenzene
Concen: 4.094 ug/L
RT: 11.85 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion:146 Resp: 68047

Ion	Ratio	Lower	Upper
146	100		
111	41.0	29.2	54.2
148	60.0	44.3	82.3



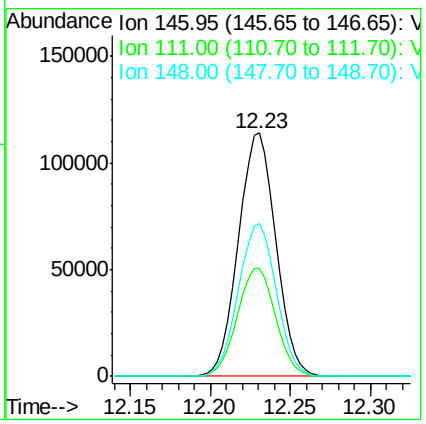


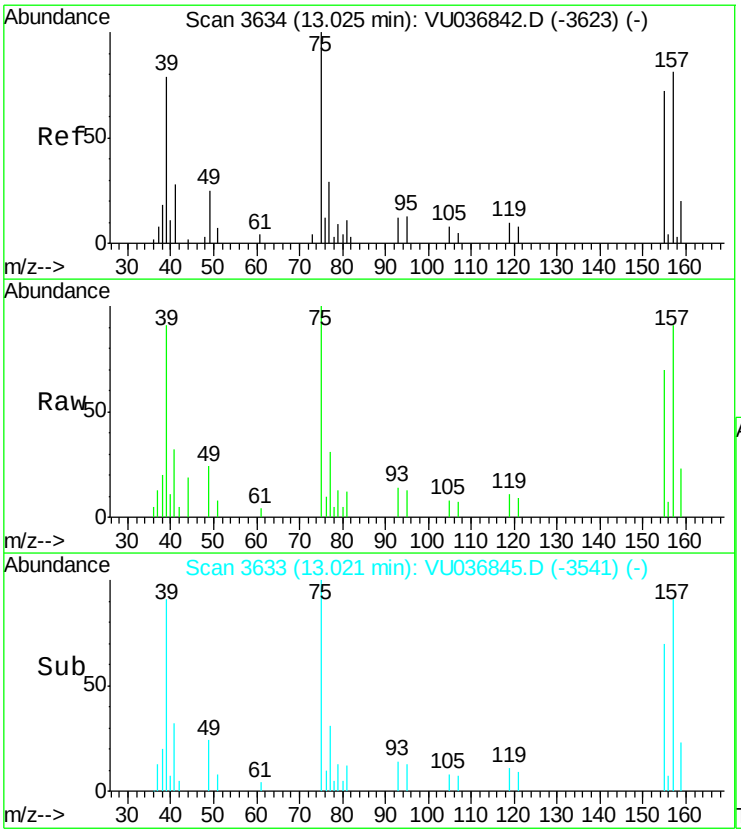
#65
1,2-Dichlorobenzene
Concen: 11.306 ug/L
RT: 12.23 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
DBDJ1

Tgt Ion:146 Resp: 182765

Ion	Ratio	Lower	Upper
146	100		
111	44.3	35.9	53.9
148	62.7	50.4	75.6

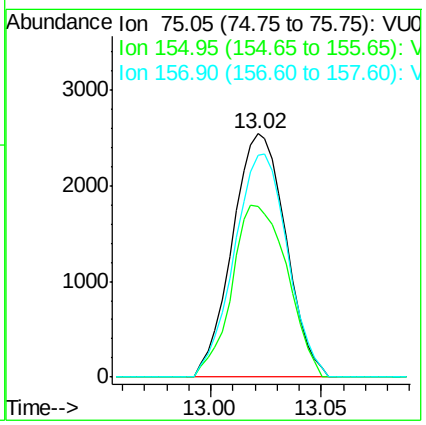


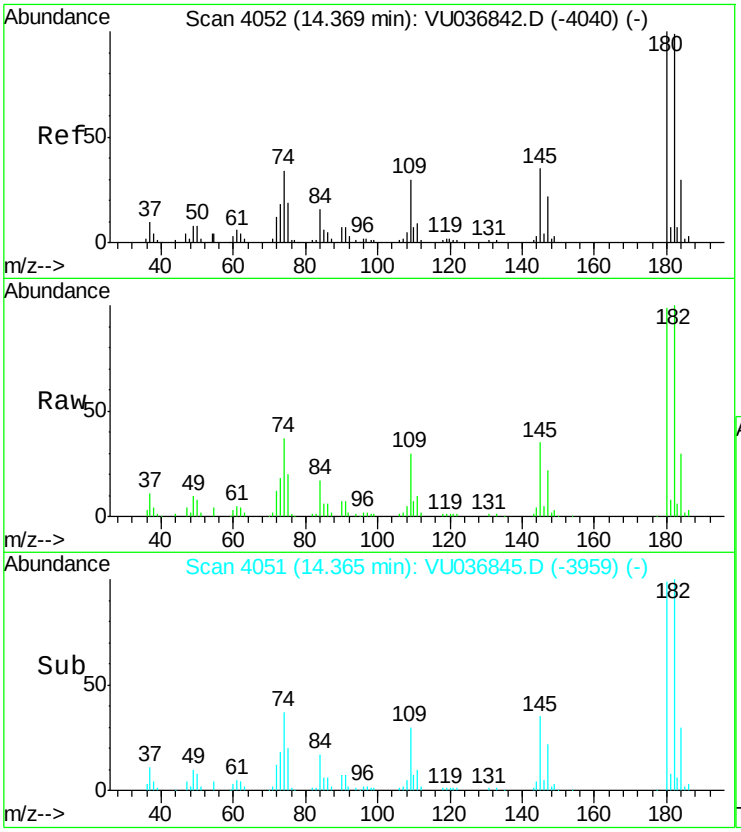


#66
1,2-Dibromo-3-chloropropane
Concen: 3.556 ug/L
RT: 13.02 min Scan# 3633
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Tgt Ion: 75 Resp: 4290

Ion	Ratio	Lower	Upper
75	100		
155	69.9	52.9	79.3
157	91.3	69.2	103.8





#70
1,2,3-Trichlorobenzene
Concen: 9.060 ug/L
RT: 14.37 min Scan# 4051
Delta R.T. -0.00 min
Lab File: VU036845.D
Acq: 19 Feb 2020 13:21

Instrument :
MSVOA_U
ClientSampleId :
DBDJ1

Tgt Ion:180 Resp: 72378

Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.2	117.4
145	34.0	27.0	40.6