Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\

Quantitation Report (QT/LSC Reviewed)

Data File : VU038129.D
Acq On : 12 May 2020 17:08
Operator : JC/MD
Sample : L2570-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP2

Quant Time: May 13 03:26:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 13 01:13:24 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	379703	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	361273	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	183862	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.61	65	137442	3.96	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 79.20%			
7) Chloroethane-d5	1.93	69	128567	4.28	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 85.60%			
11) 1,1-Dichloroethene-d2	2.59	63	181631	3.13	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 62.60%			
20) 2-Butanone-d5	4.68	46	544189	63.51	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 127.02%			
24) Chloroform-d	5.10	84	241607	4.58	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.60%			
26) 1,2-Dichloroethane-d4	5.74	65	148867	4.93	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 98.60%			
32) Benzene-d6	5.76	84	525263	4.85	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.00%			
36) 1,2-Dichloropropane-d6	6.72	67	174900	5.01	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 100.20%			
41) Toluene-d8	7.92	98	469953	4.83	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 96.60%			
43) trans-1,3-Dichloropropene-	8.20	79	66374	4.74	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 94.80%			
46) 2-Hexanone-d5	8.65	63	430835	65.19	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 130.38%#			
57) 1,1,2,2-Tetrachloroethane-	10.77	84	147546	5.35	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 107.00%			
64) 1,2-Dichlorobenzene-d4	12.20	152	179044	5.00	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 100.00%			
Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	20077	0.490	ug/L	87
13) Acetone	2.69	43	28008	5.210	ug/L	76
19) 1,1-Dichloroethane	3.91	63	65221	1.161	ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	84206	2.716	ug/L	100
27) 1,2-Dichloroethane	5.83	62	32020	0.866	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	3578	0.086	ug/L	92
30) Cyclohexane	5.42	56	24822	0.508	ug/L	99
33) Benzene	5.81	78	325618	2.815	ug/L	100
34) Trichloroethene	6.57	95	13607	0.470	ug/L	94
35) Methylcyclohexane	6.79	83	6124	0.131	ug/L #	84
42) Toluene	7.99	91	30925	0.253	ug/L	95
51) Chlorobenzene	9.47	112	289070	3.814	ug/L	99
52) Ethylbenzene	9.59	91	16965	0.128	ug/L	97
53) m,p-Xylene	9.71	106	168315	3.318	ug/L	96
54) o-Xylene	10.11	106	57042	1.163	ug/L	95
56) Isopropylbenzene	10.50	105	15920	0.126	ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	10123	0.169	ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\

Quantitation Report (QT/LSC Reviewed)

Data File : VU038129.D
Acq On : 12 May 2020 17:08
Operator : JC/MD
Sample : L2570-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP2

Quant Time: May 13 03:26:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 13 01:13:24 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
63) 1,4-Dichlorobenzene	11.85	146	29873	0.493	ug/L		97
65) 1,2-Dichlorobenzene	12.22	146	247208	4.295	ug/L		99
68) 1,2,4-trichlorobenzene	13.87	180	7436	0.189	ug/L	#	91

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\

Quantitation Report (QT/LSC Reviewed)

Data File : VU038129.D
Acq On : 12 May 2020 17:08
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Sample : L2570-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

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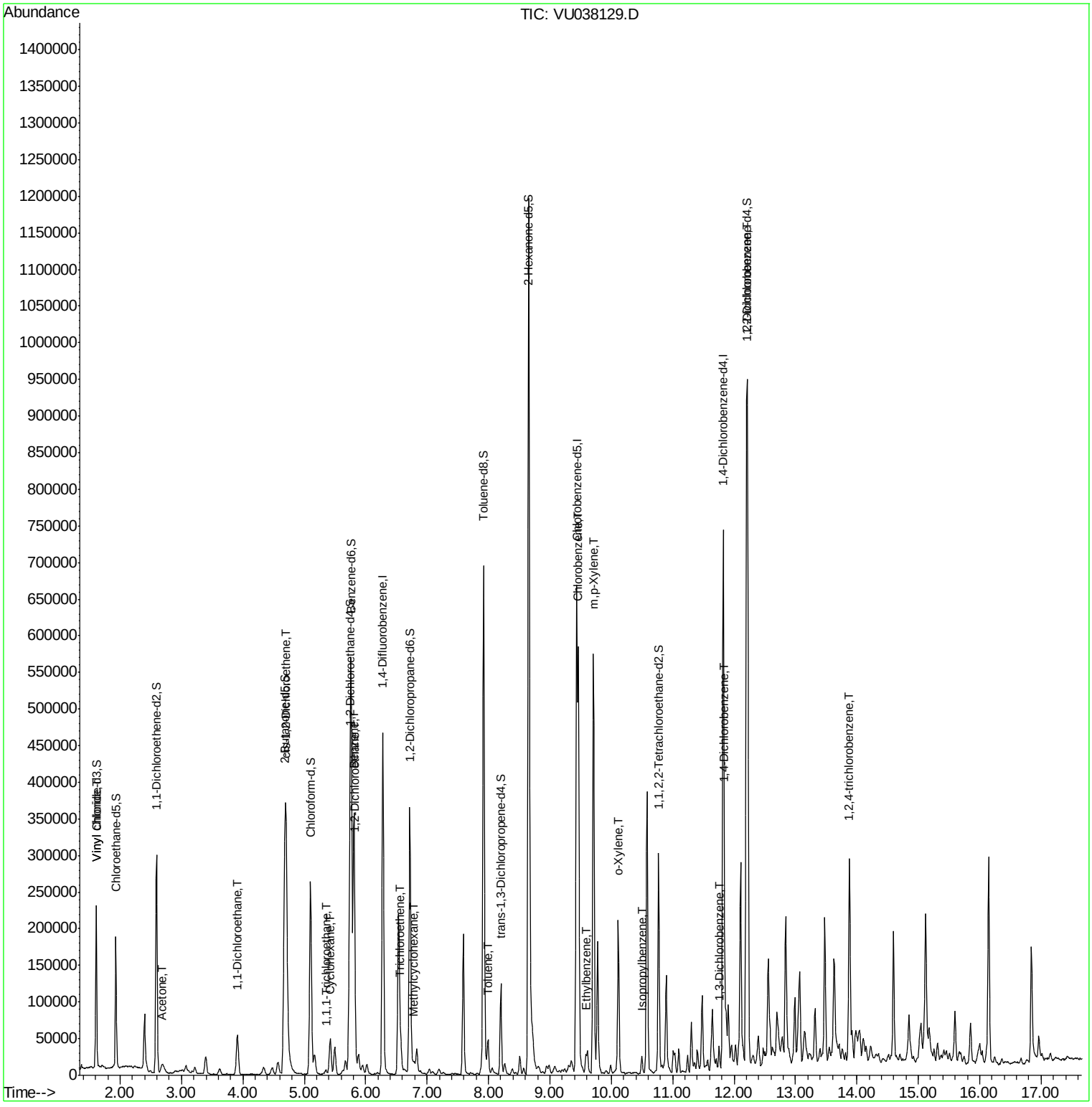
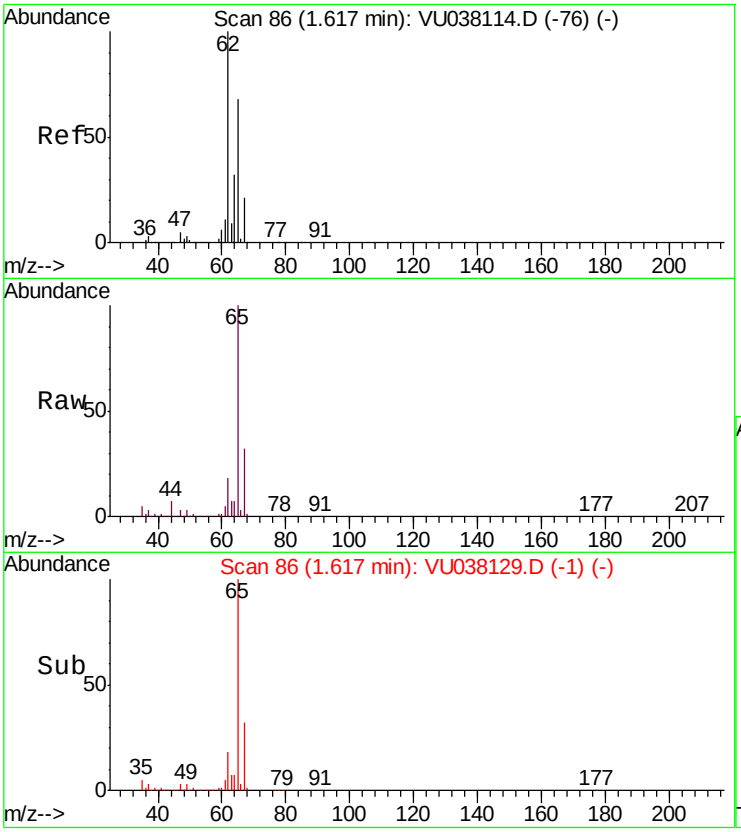
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 13 01:13:24 2020
Response via : Initial Calibration



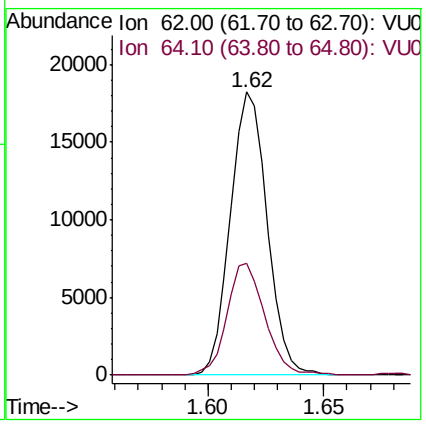


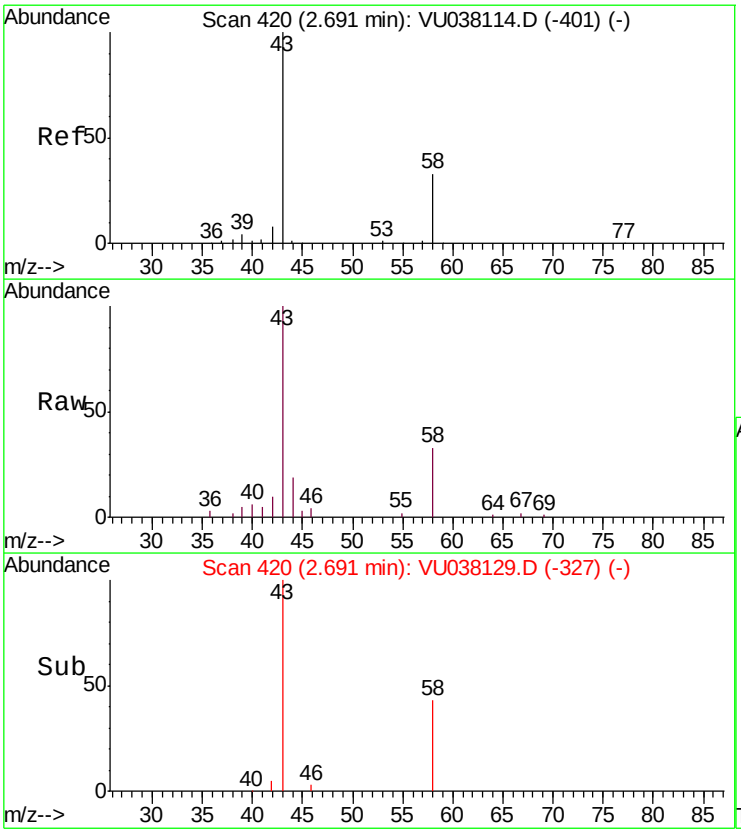
#5
Vinyl chloride
Concen: 0.490 ug/L
RT: 1.62 min Scan# 86
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Instrument :
MSVOA_U
ClientSampleId :
BFSP2

Tgt Ion: 62 Resp: 20077

Ion	Ratio	Lower	Upper
62	100		
64	39.7	22.8	42.4

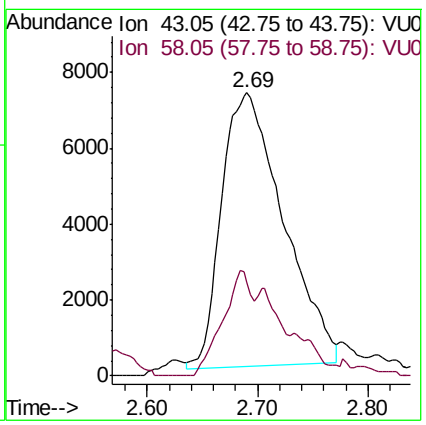


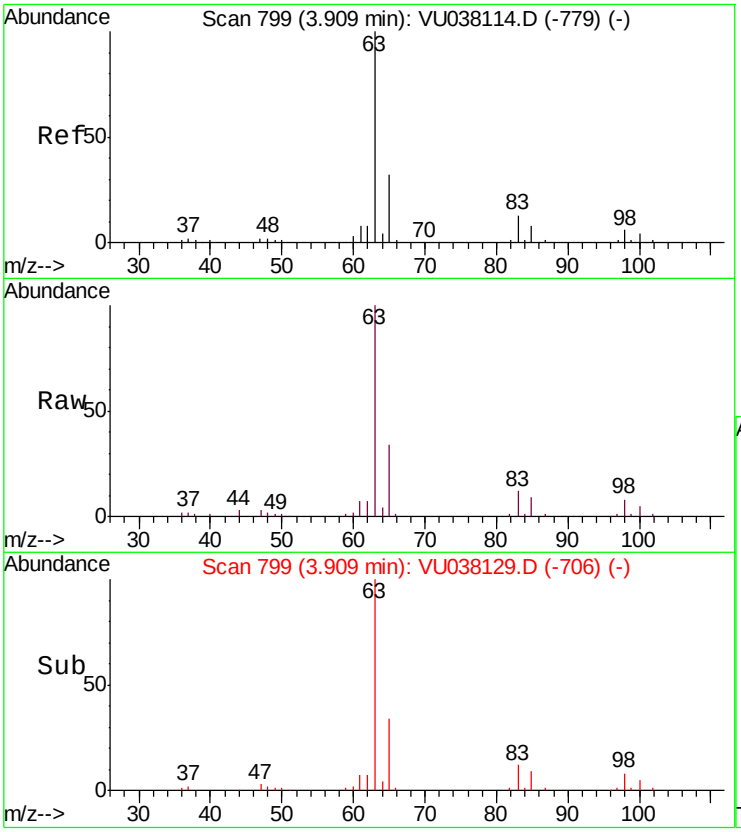


#13
Acetone
Concen: 5.210 ug/L
RT: 2.69 min Scan# 420
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Tgt Ion: 43 Resp: 28008

Ion	Ratio	Lower	Upper
43	100		
58	18.2	0.0	63.6



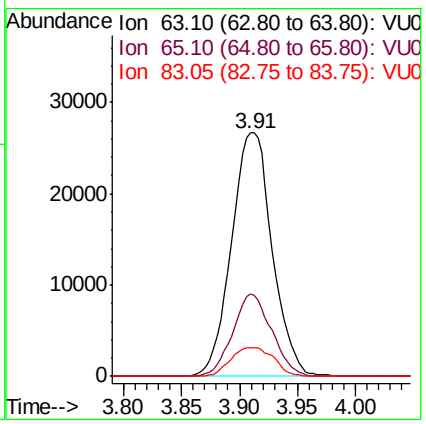


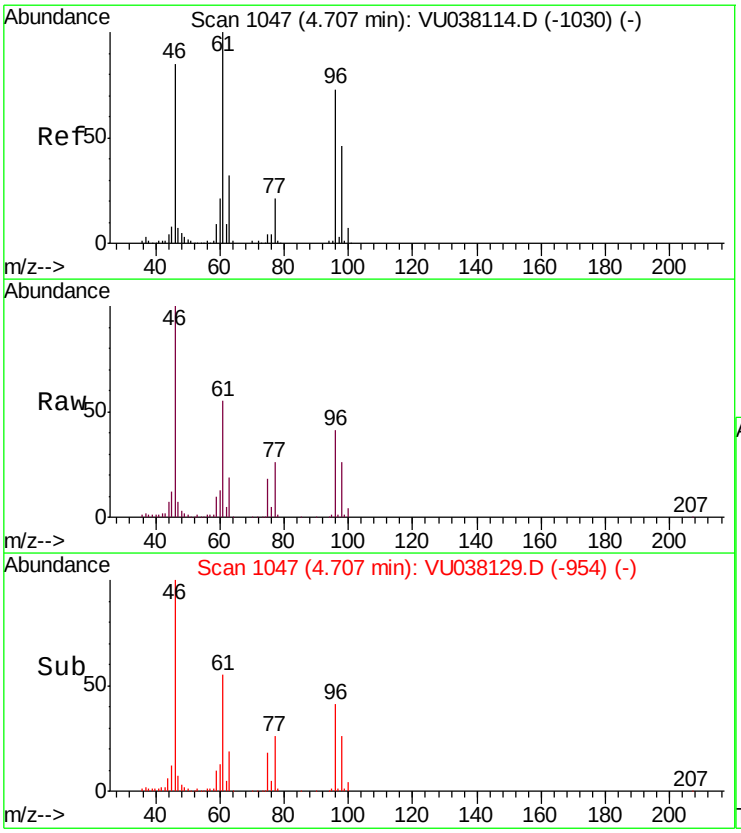
#19
1,1-Dichloroethane
Concen: 1.161 ug/L
RT: 3.91 min Scan# 799
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Instrument : MSVOA_U
ClientSampleId : BFSP2

Tgt Ion: 63 Resp: 65221

Ion	Ratio	Lower	Upper
63	100		
65	34.0	22.5	41.7
83	11.9	8.9	16.5

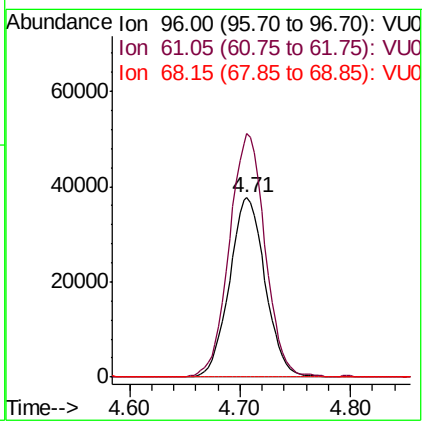


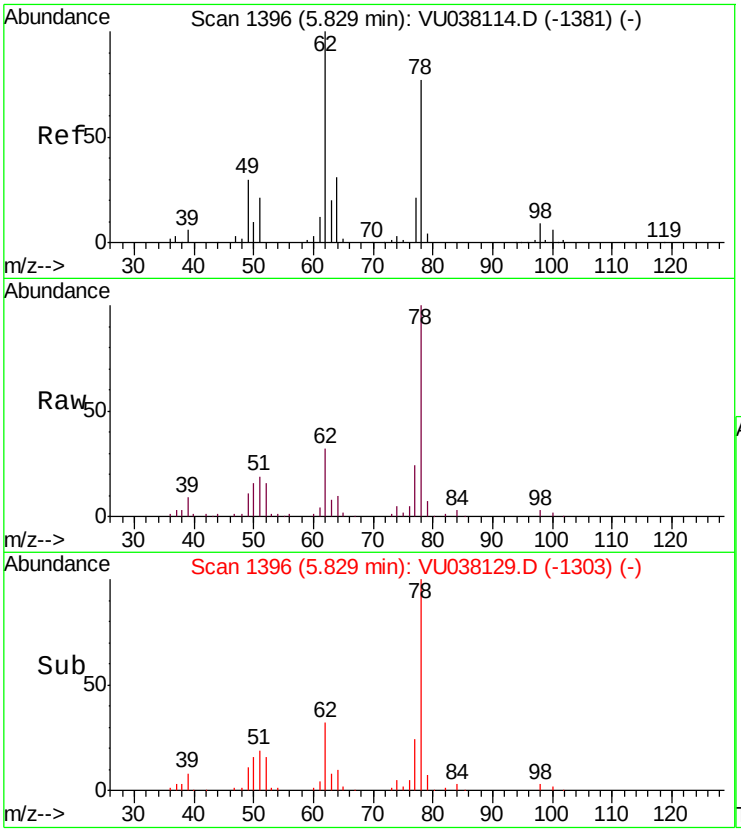


#22
cis-1,2-Dichloroethene
Concen: 2.716 ug/L
RT: 4.71 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Tgt Ion: 96 Resp: 84206

Ion	Ratio	Lower	Upper
96	100		
61	135.7	95.3	176.9
68	0.0	0.0	0.0



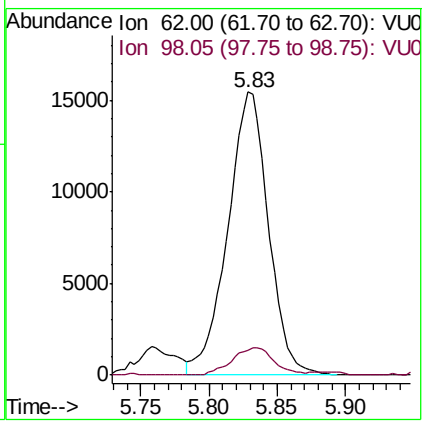


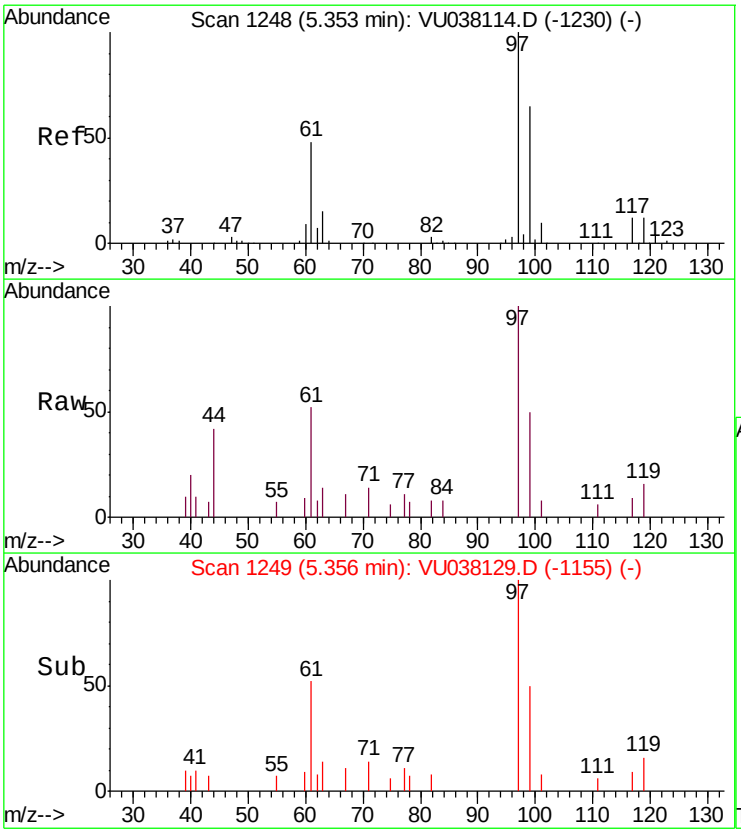
#27
1,2-Dichloroethane
Concen: 0.866 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Instrument :
MSVOA_U
ClientSampleId :
BFSP2

Tgt Ion: 62 Resp: 32020

Ion	Ratio	Lower	Upper
62	100		
98	9.0	7.8	11.8

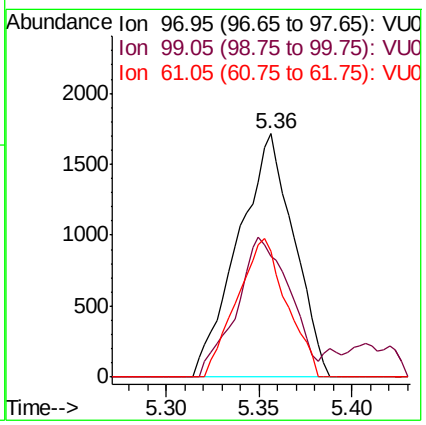


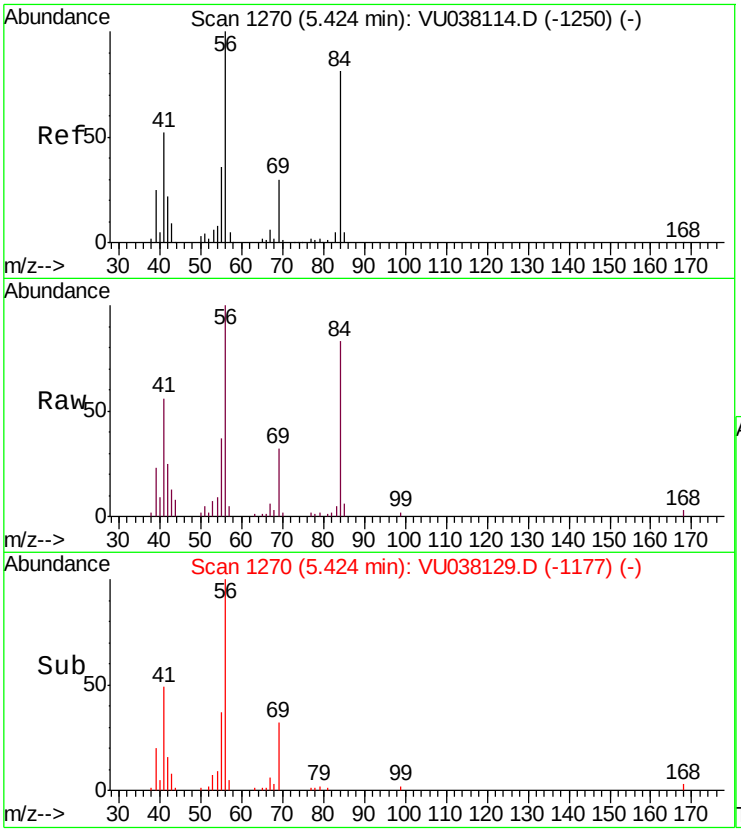


#29
1,1,1-Trichloroethane
Concen: 0.086 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Tgt Ion: 97 Resp: 3578

Ion	Ratio	Lower	Upper
97	100		
99	55.3	51.0	76.4
61	50.8	38.2	57.4



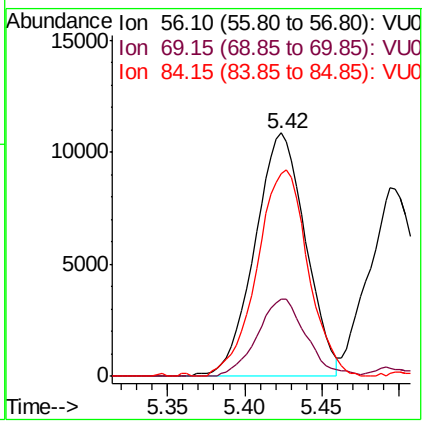


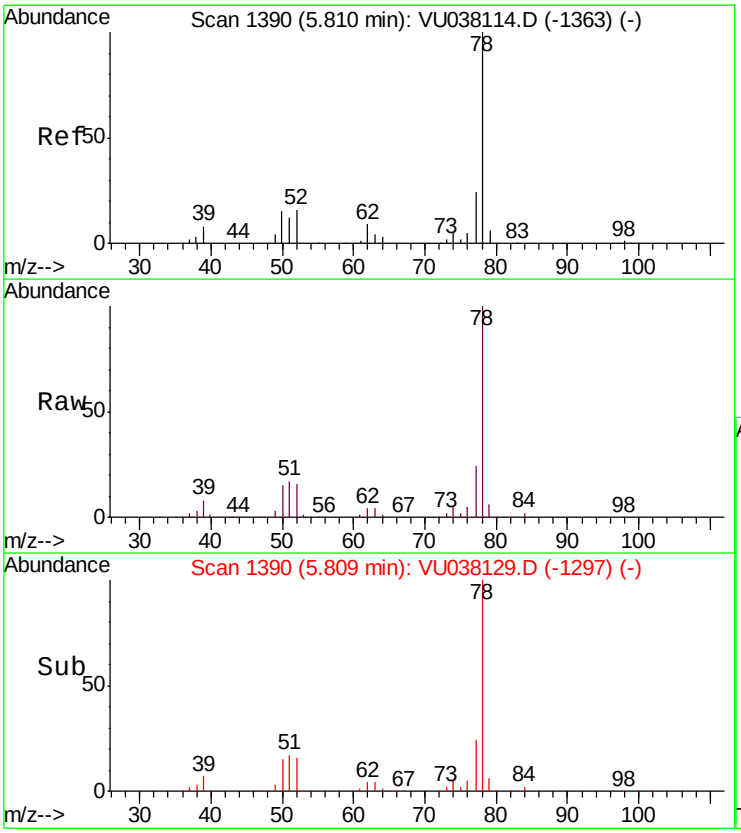
#30
Cyclohexane
Concen: 0.508 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Instrument :
MSVOA_U
ClientSampleId :
BFSP2

Tgt Ion: 56 Resp: 24822

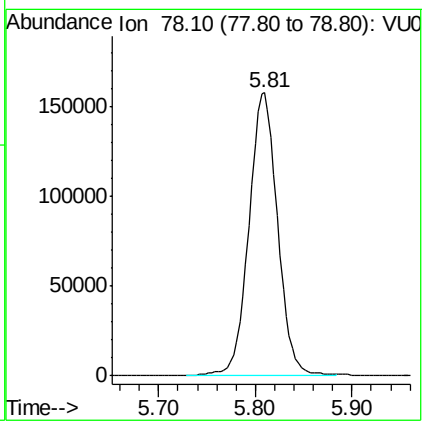
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.2	36.4
84	85.1	68.5	102.7

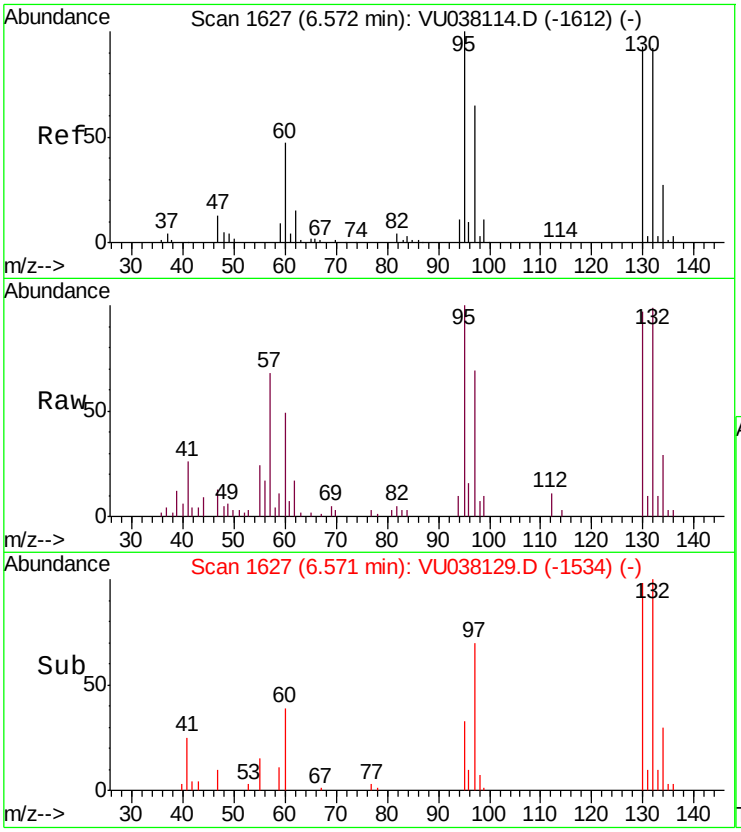




#33
Benzene
Concen: 2.815 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Tgt Ion: 78 Resp: 325618



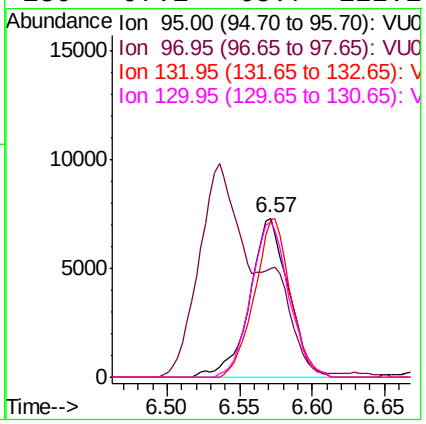


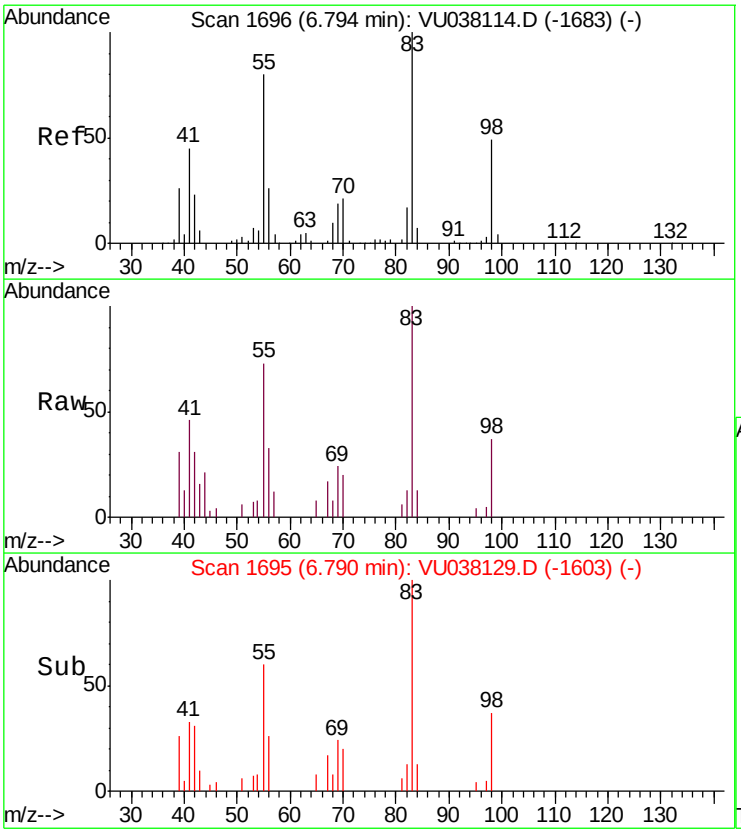
#34
Trichloroethene
Concen: 0.470 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Instrument :
MSVOA_U
ClientSampleId :
BFSP2

Tgt Ion: 95 Resp: 13607

Ion	Ratio	Lower	Upper
95	100		
97	68.7	44.9	83.3
132	98.6	63.3	117.5
130	97.1	65.7	122.1

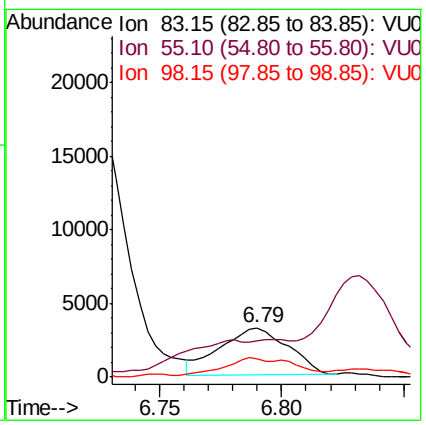


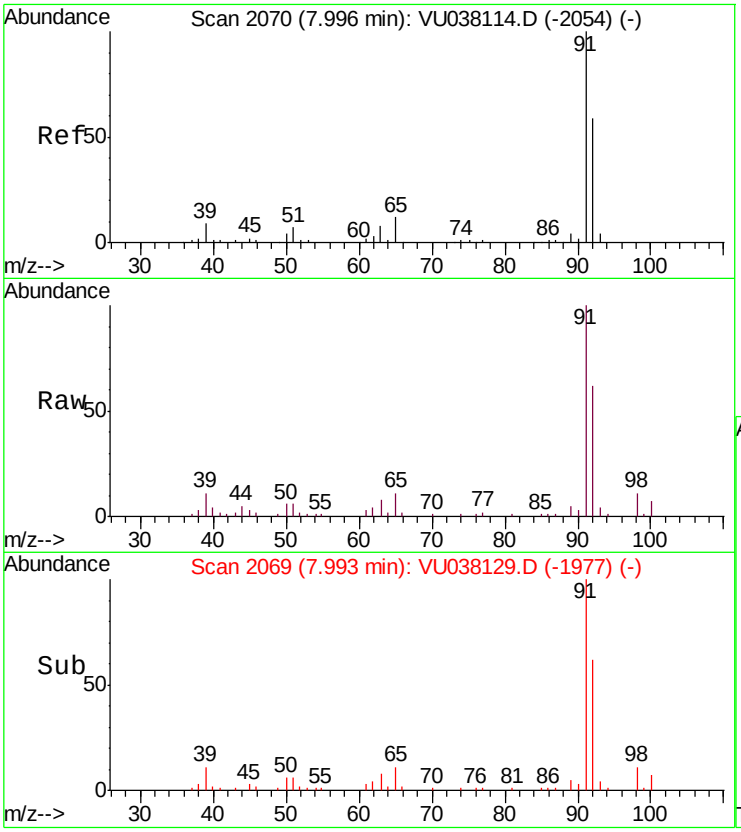


#35
Methylcyclohexane
Concen: 0.131 ug/L
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Tgt Ion: 83 Resp: 6124

Ion	Ratio	Lower	Upper
83	100		
55	62.9	66.7	100.1#
98	45.4	39.4	59.2



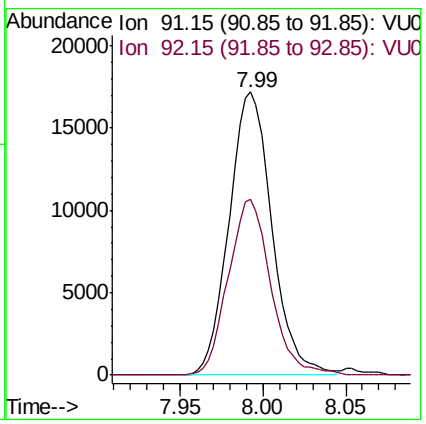


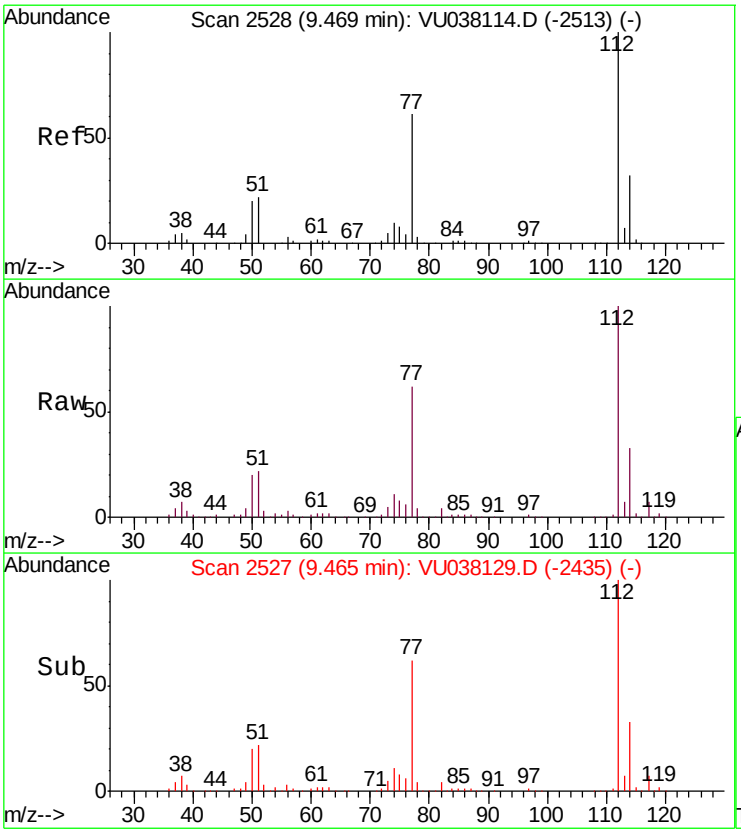
#42
Toluene
Concen: 0.253 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Instrument : MSVOA_U
ClientSampleId : BFSP2

Tgt Ion: 91 Resp: 30925

Ion	Ratio	Lower	Upper
91	100		
92	62.1	40.9	75.9

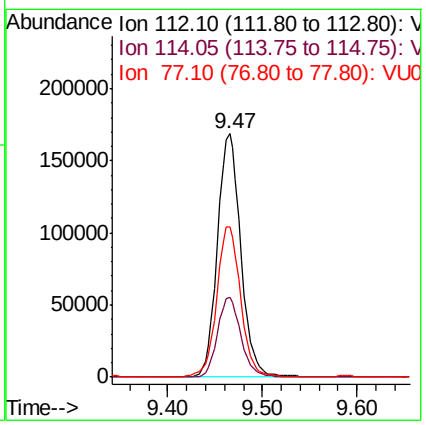


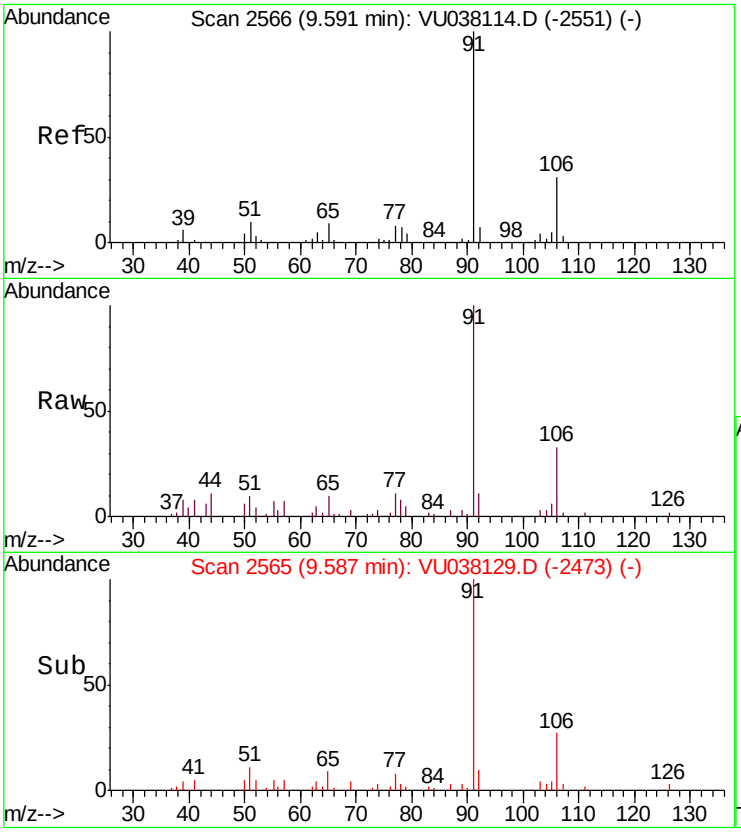


#51
Chlorobenzene
Concen: 3.814 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Tgt Ion:112 Resp: 289070

Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.5	41.7
77	61.9	49.9	74.9



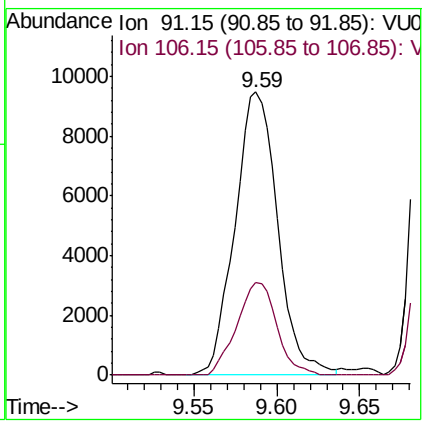


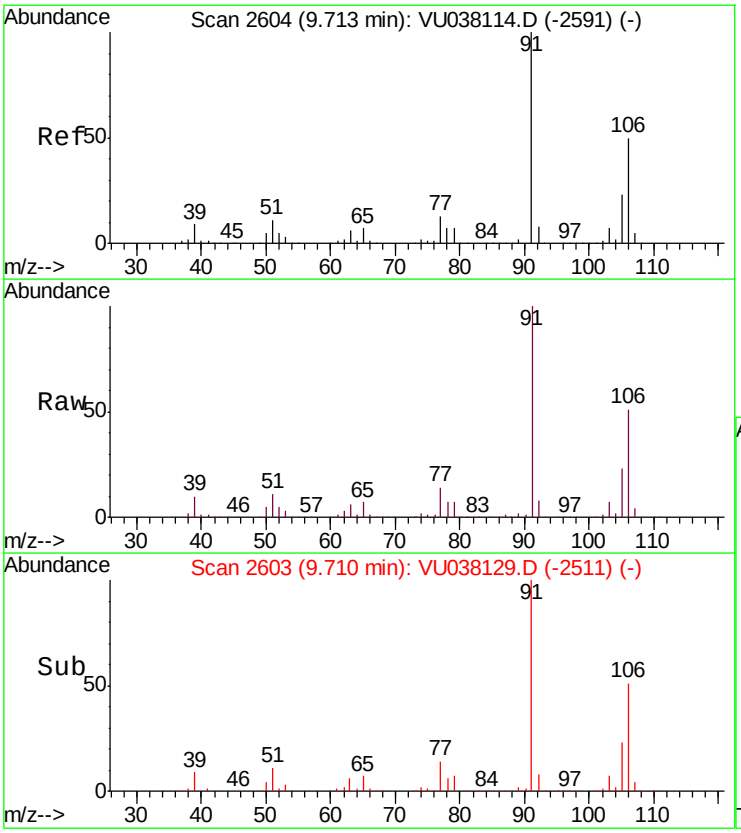
#52
Ethylbenzene
Concen: 0.128 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Instrument : MSVOA_U
ClientSampleId : BFSP2

Tgt Ion: 91 Resp: 16965

Ion	Ratio	Lower	Upper
91	100		
106	32.6	21.8	40.4

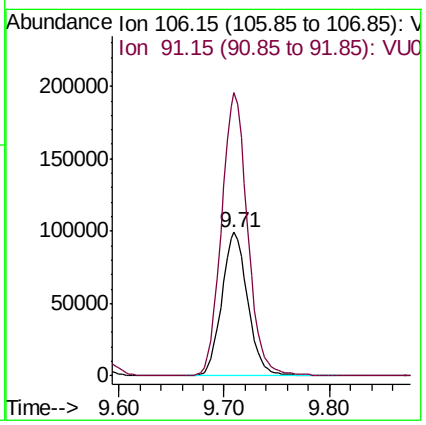


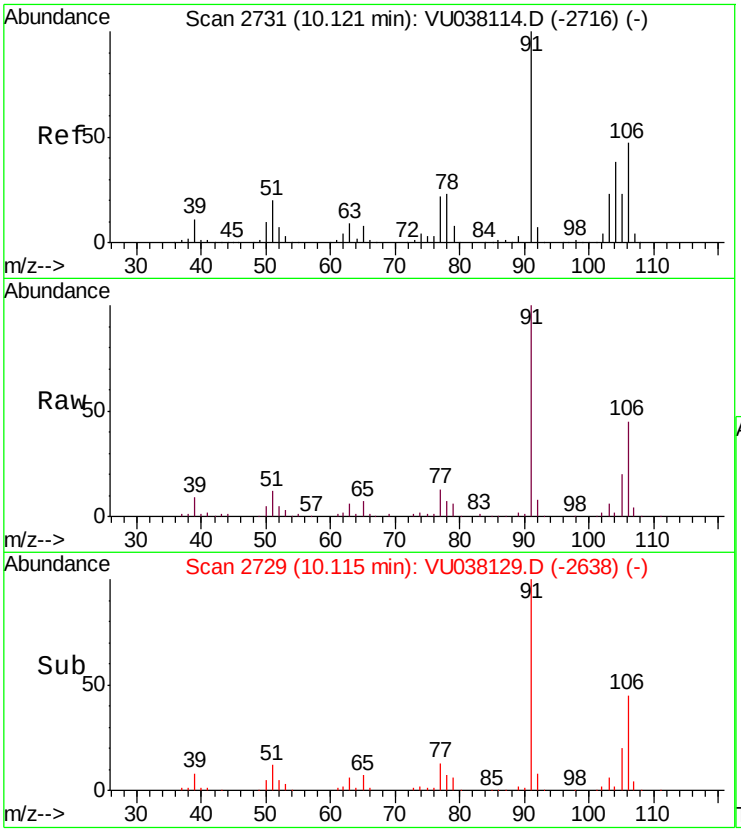


#53
m,p-Xylene
Concen: 3.318 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Tgt Ion:106 Resp: 168315

Ion	Ratio	Lower	Upper
106	100		
91	196.8	142.1	263.9



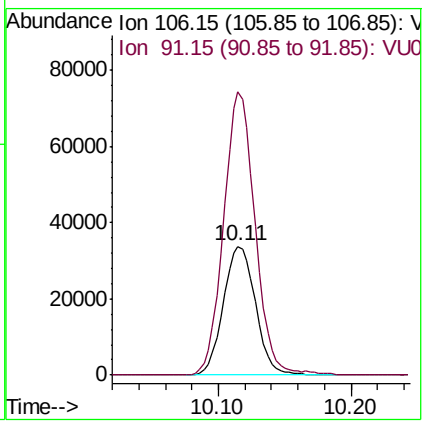


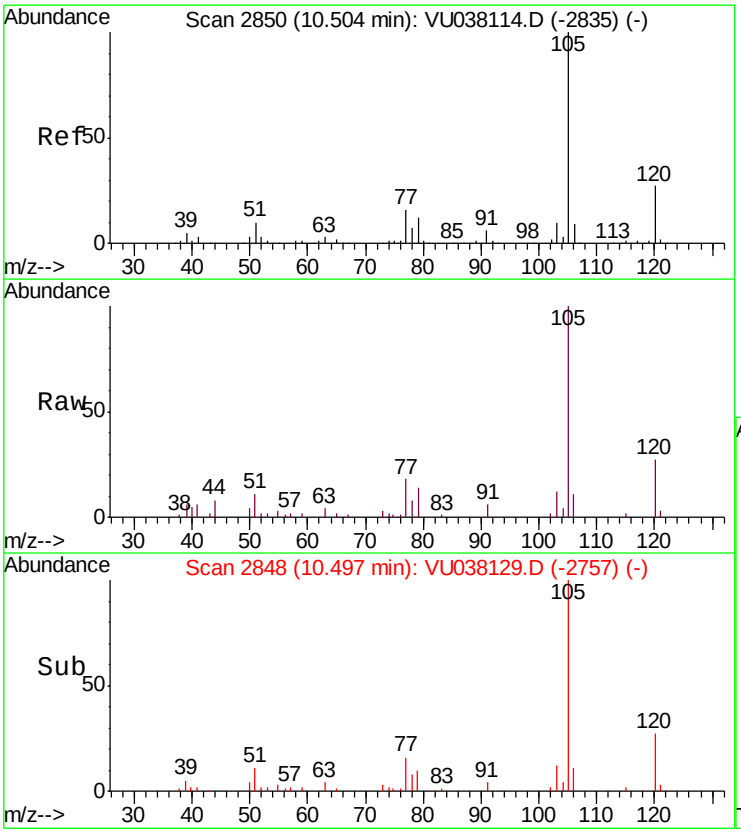
#54
o-Xylene
Concen: 1.163 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.01 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Instrument :
MSVOA_U
ClientSampleId :
BFSP2

Tgt Ion:106 Resp: 57042

Ion	Ratio	Lower	Upper
106	100		
91	220.1	148.5	275.9

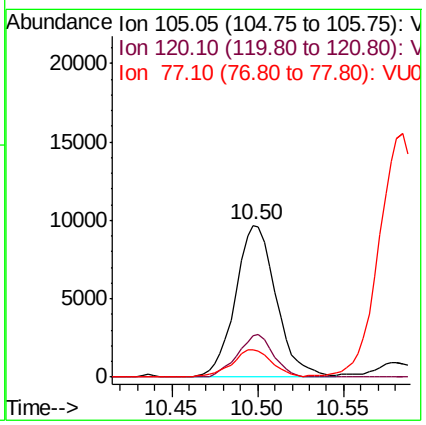


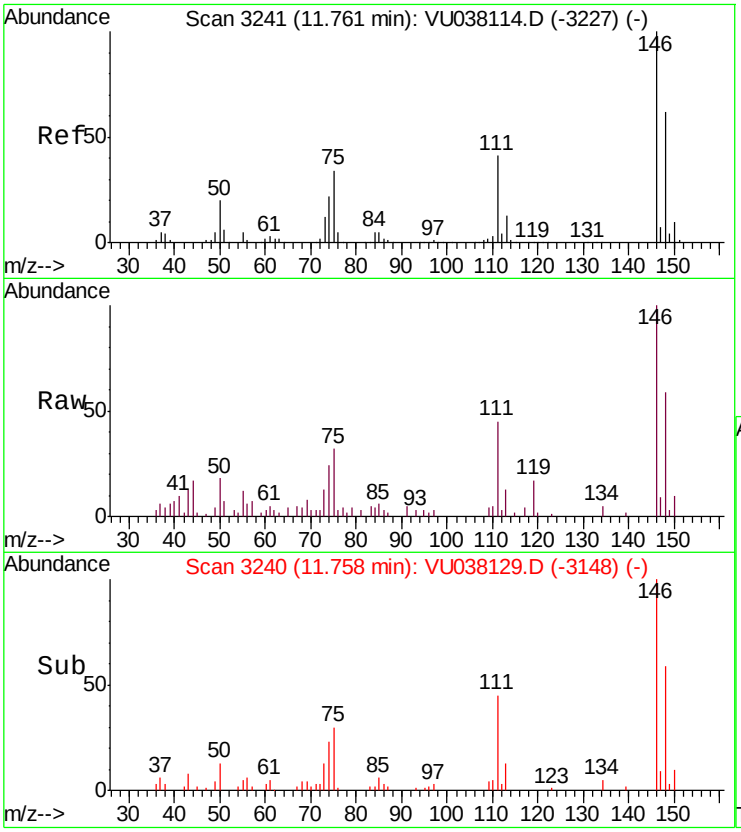


#56
Isopropylbenzene
Concen: 0.126 ug/L
RT: 10.50 min Scan# 2848
Delta R.T. -0.01 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Tgt Ion:105 Resp: 15920

Ion	Ratio	Lower	Upper
105	100		
120	24.4	21.0	31.6
77	17.6	13.0	19.4



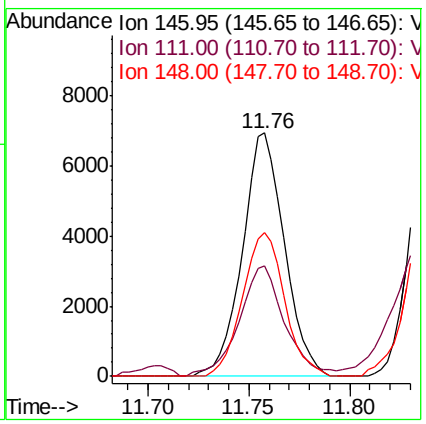


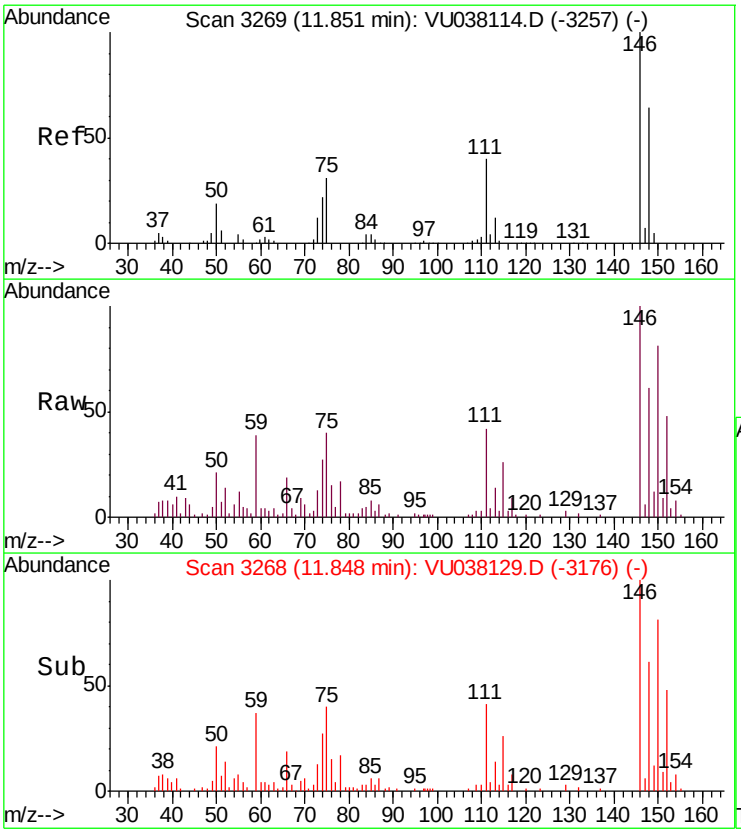
#62
1,3-Dichlorobenzene
Concen: 0.169 ug/L
RT: 11.76 min Scan# 3240
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Instrument : MSVOA_U
ClientSampleId : BFSP2

Tgt Ion:146 Resp: 10123

Ion	Ratio	Lower	Upper
146	100		
111	45.2	28.6	53.2
148	59.1	45.2	84.0

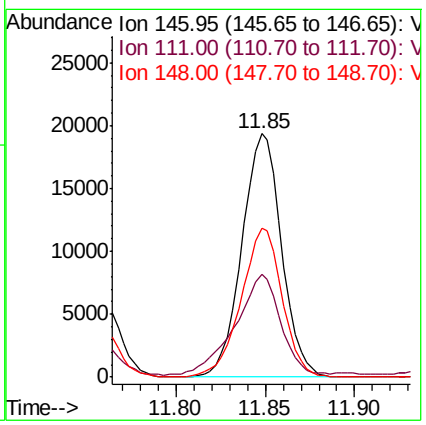


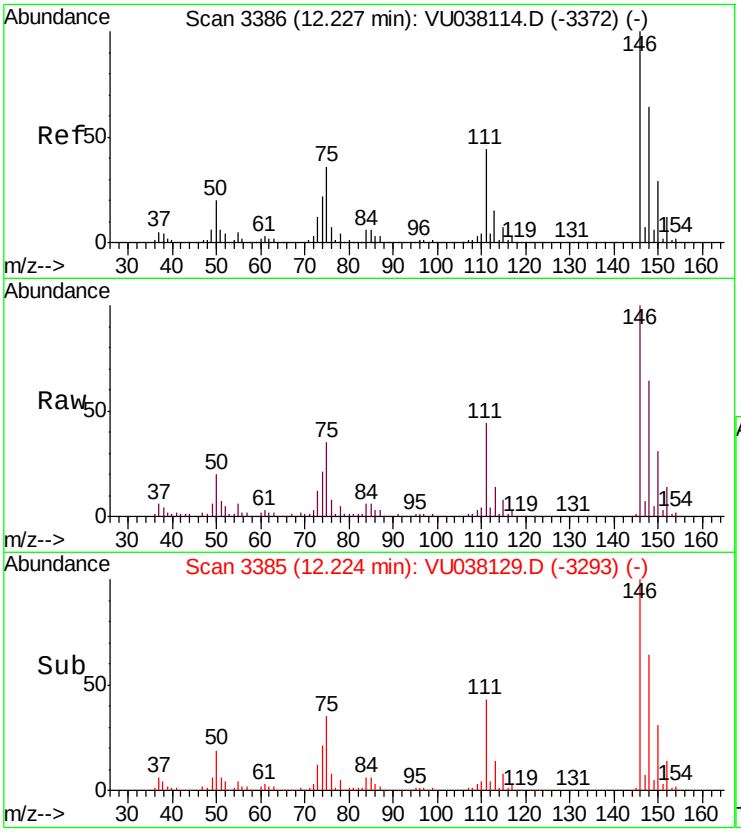


#63
1,4-Dichlorobenzene
Concen: 0.493 ug/L
RT: 11.85 min Scan# 3268
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Tgt Ion:146 Resp: 29873

Ion	Ratio	Lower	Upper
146	100		
111	42.2	27.2	50.6
148	61.3	43.8	81.3



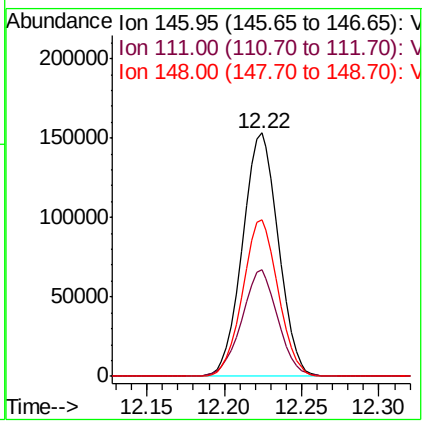


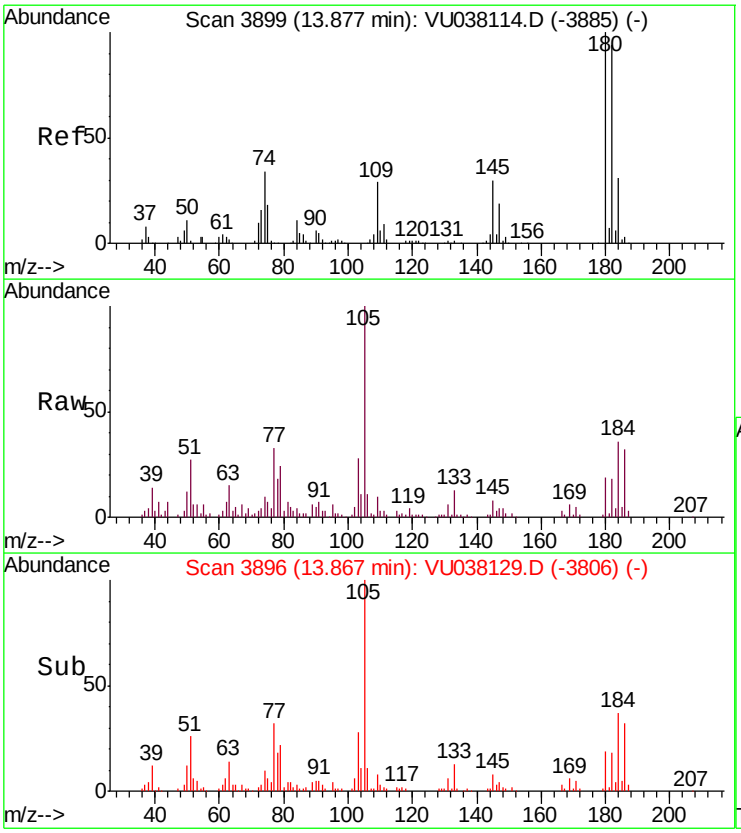
#65
1,2-Dichlorobenzene
Concen: 4.295 ug/L
RT: 12.22 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Instrument :
MSVOA_U
ClientSampleId :
BFSP2

Tgt Ion:146 Resp: 247208

Ion	Ratio	Lower	Upper
146	100		
111	43.7	35.3	52.9
148	64.3	51.0	76.4





#68
1,2,4-trichlorobenzene
Concen: 0.189 ug/L
RT: 13.87 min Scan# 3896
Delta R.T. -0.01 min
Lab File: VU038129.D
Acq: 12 May 2020 17:08

Tgt Ion:180 Resp: 7436

Ion	Ratio	Lower	Upper
180	100		
182	99.7	75.0	112.6
145	41.9	24.8	37.2#