Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052319\
Data File : VU032265.D
Acq On : 23 May 2019 13:36
Operator : JC/SP
Sample : K3001-05MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YF0MSD

Quant Time: May 24 02:37:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 24 01:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	374826	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	384092	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	154416	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	86768	4.12	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 82.40%			
7) Chloroethane-d5	1.67	69	92522	4.71	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 94.20%			
11) 1,1-Dichloroethene-d2	2.27	63	183683	4.73	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 94.60%			
20) 2-Butanone-d5	4.19	46	281185	47.36	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 94.72%			
24) Chloroform-d	4.64	84	245760	4.57	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.40%			
26) 1,2-Dichloroethane-d4	5.31	65	135477	4.76	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.20%			
32) Benzene-d6	5.33	84	477792	4.38	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 87.60%			
36) 1,2-Dichloropropane-d6	6.33	67	160845	4.54	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 90.80%			
41) Toluene-d8	7.56	98	432444	4.08	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 81.60%			
43) trans-1,3-Dichloropropene-	7.85	79	58524	4.30	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 86.00%			
46) 2-Hexanone-d5	8.31	63	237580	46.39	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 92.78%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	162860	4.63	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 92.60%			
64) 1,2-Dichlorobenzene-d4	11.86	152	206518	4.85	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 97.00%			
Target Compounds						Qvalue
9) Trichlorofluoromethane	1.88	101	6642	0.316	ug/L	100
12) 1,1-Dichloroethene	2.28	96	84399	6.327	ug/L	81
13) Acetone	2.32	43	13848	7.528	ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	4398	0.307	ug/L #	84
19) 1,1-Dichloroethane	3.44	63	158973	7.189	ug/L	96
22) cis-1,2-Dichloroethene	4.22	96	23379	1.673	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	126376	6.339	ug/L	98
33) Benzene	5.38	78	301238	5.798	ug/L	100
34) Trichloroethene	6.18	95	105670	7.578	ug/L	92
38) Bromodichloromethane	6.76	83	5173	0.318	ug/L	91
42) Toluene	7.63	91	314545	5.698	ug/L	96
47) Tetrachloroethene	8.23	164	8126	0.706	ug/L	92
51) Chlorobenzene	9.12	112	217890	6.167	ug/L	99
52) Ethylbenzene	9.25	91	8140	0.146	ug/L	92
53) m,p-Xylene	9.37	106	14970	0.724	ug/L	85
54) o-Xylene	9.78	106	9691	0.469	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052319\
Data File : VU032265.D
Acq On : 23 May 2019 13:36
Operator : JC/SP
Sample : K3001-05MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YF0MSD

Quant Time: May 24 02:37:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 24 01:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052319\
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Quant Title : TRACE VOA SOM01.0
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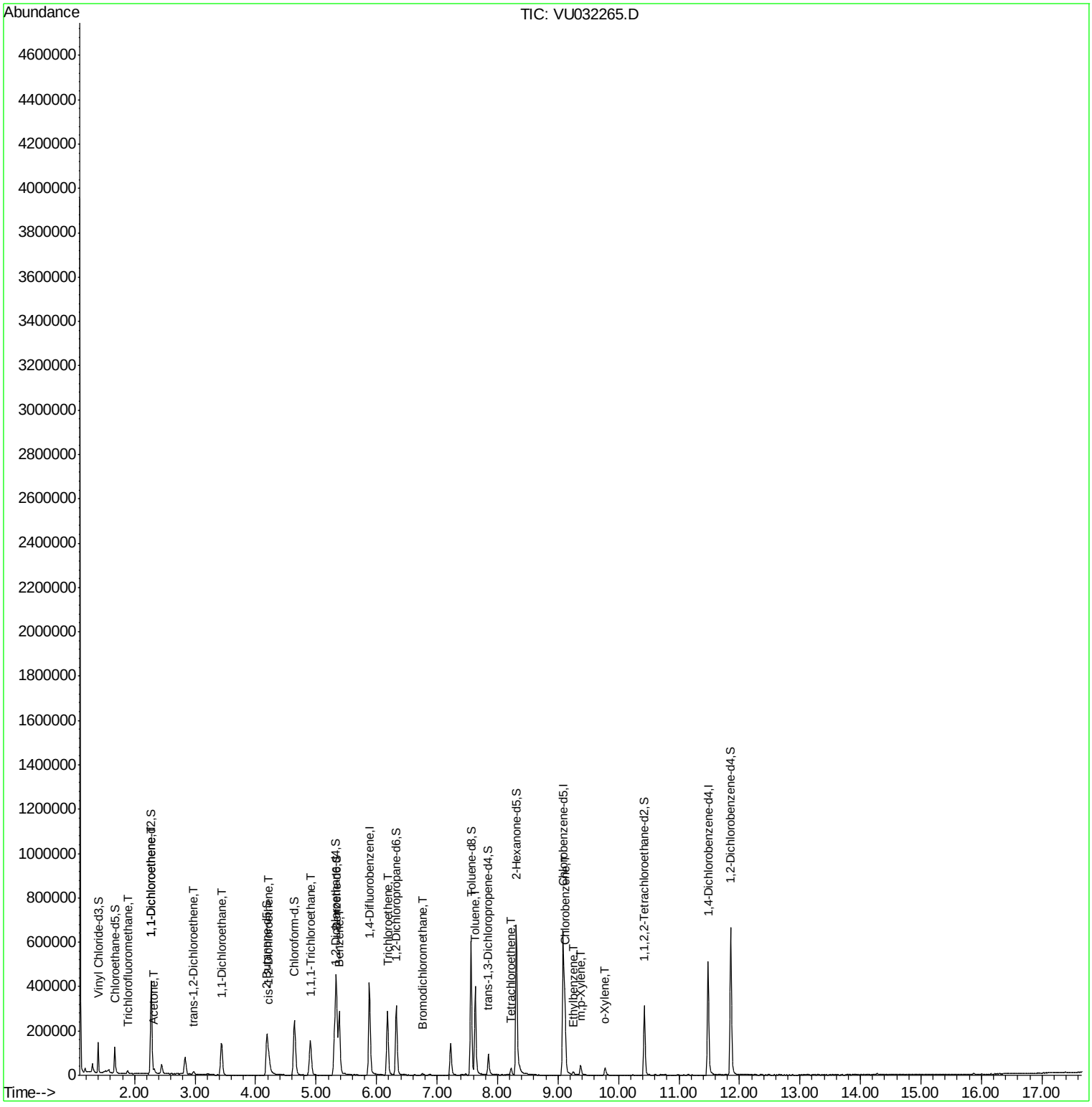
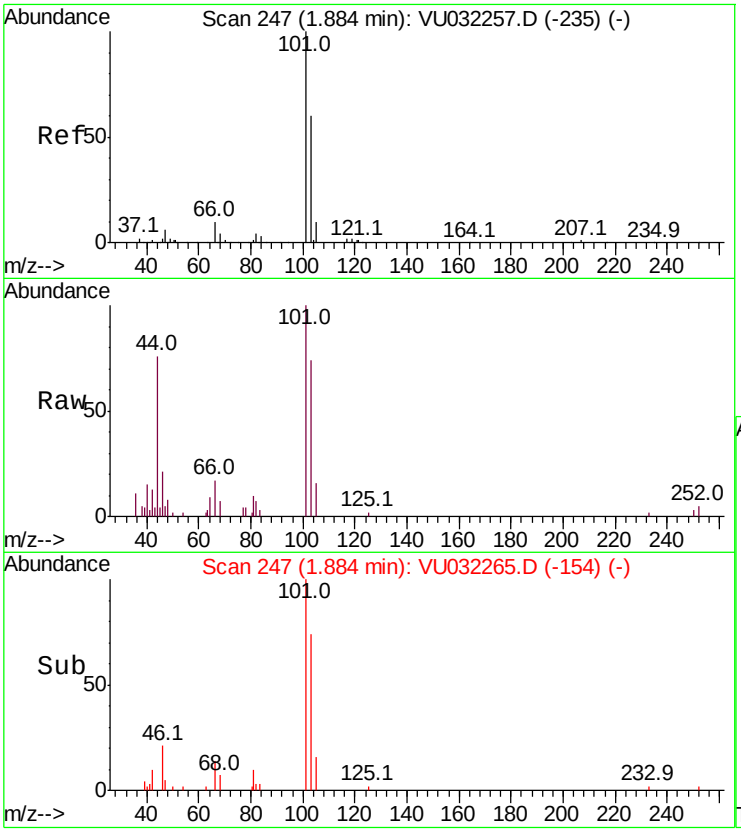
Response via : Initial Calibration



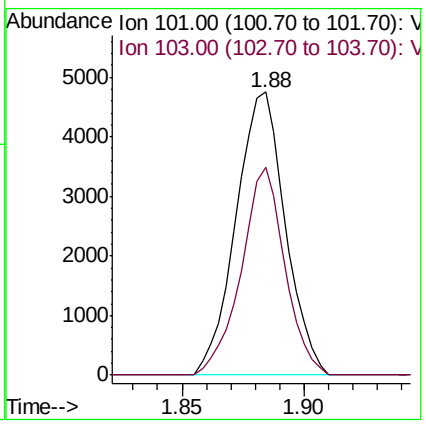


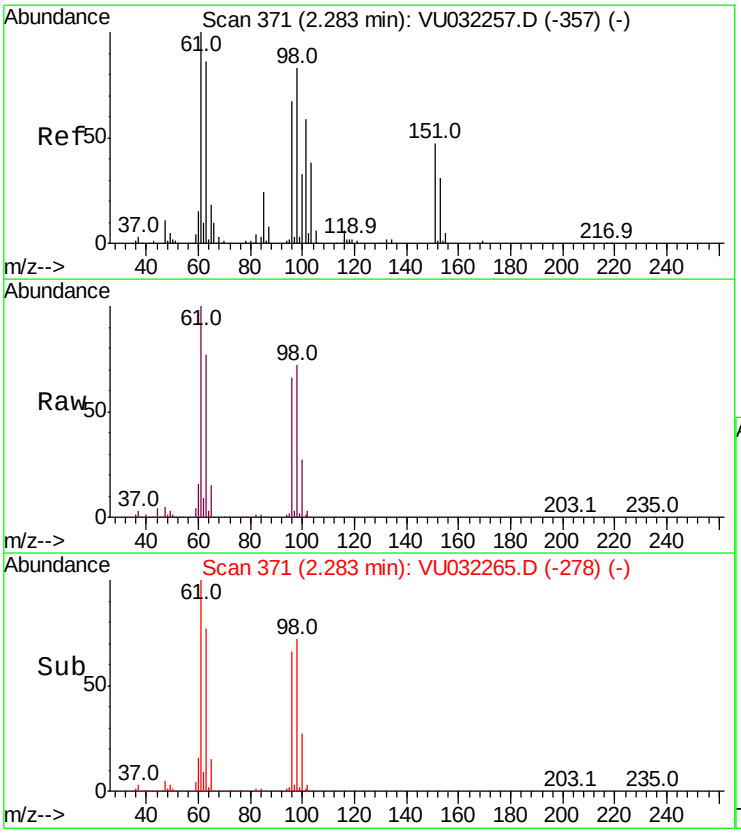
#9
Trichlorofluoromethane
Concen: 0.316 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Tgt Ion:101 Resp: 6642

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.9	77.9

Instrument :
MSVOA_U
ClientSampleId :
E3YF0MSD

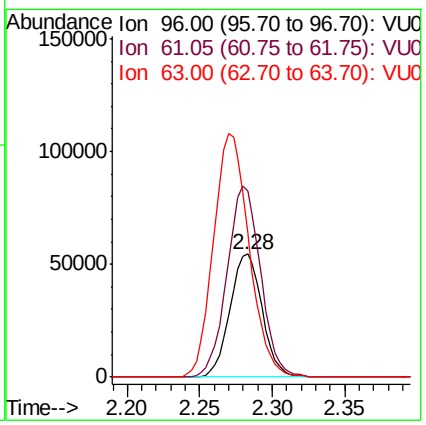


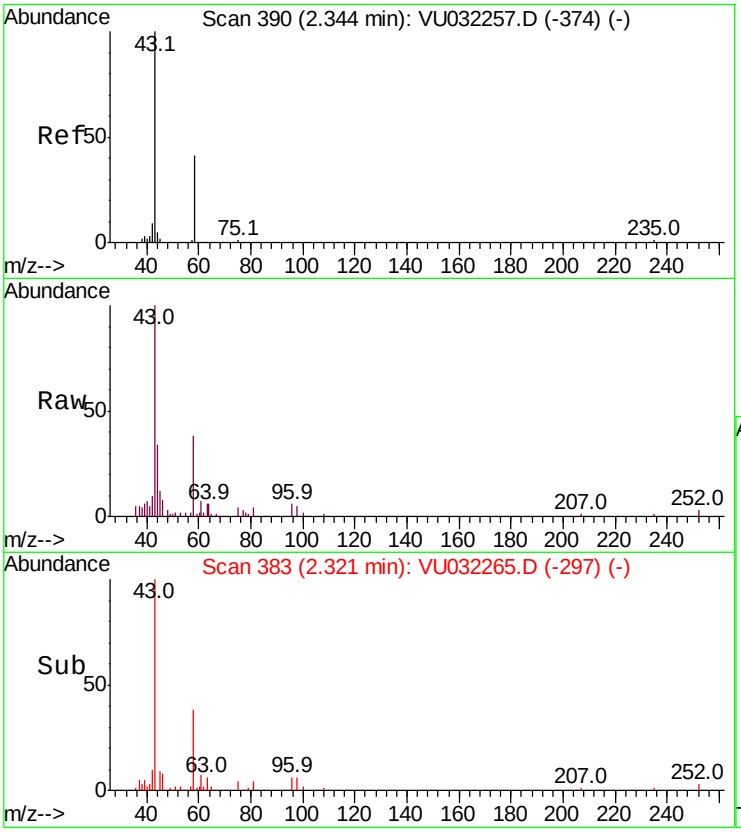


#12
1,1-Dichloroethene
Concen: 6.327 ug/L
RT: 2.28 min Scan# 371
Delta R.T. -0.00 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Tgt Ion: 96 Resp: 84399

Ion	Ratio	Lower	Upper
96	100		
61	151.0	113.8	211.3
63	117.0	108.8	202.2



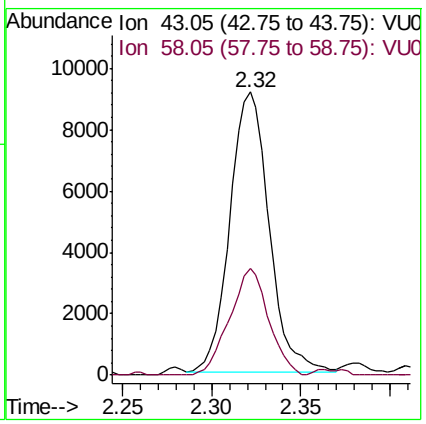


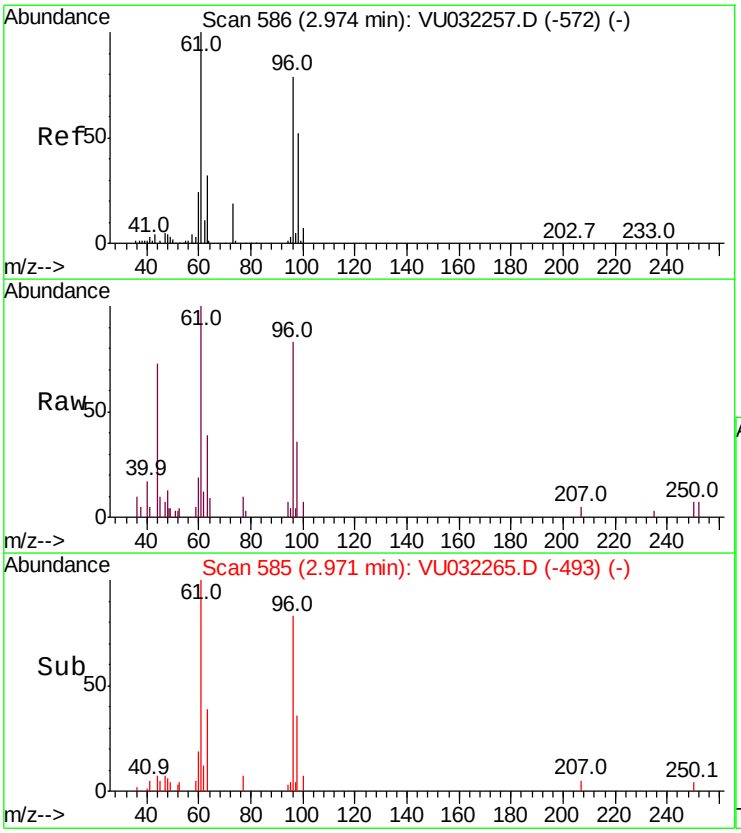
#13
Acetone
Concen: 7.528 ug/L
RT: 2.32 min Scan# 383
Delta R.T. -0.02 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
E3YF0MSD

Tgt Ion: 43 Resp: 13848

Ion	Ratio	Lower	Upper
43	100		
58	38.0	0.0	72.6

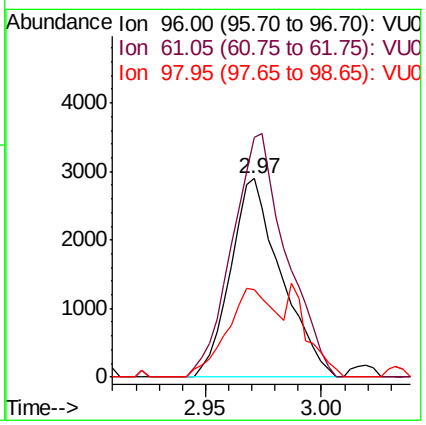


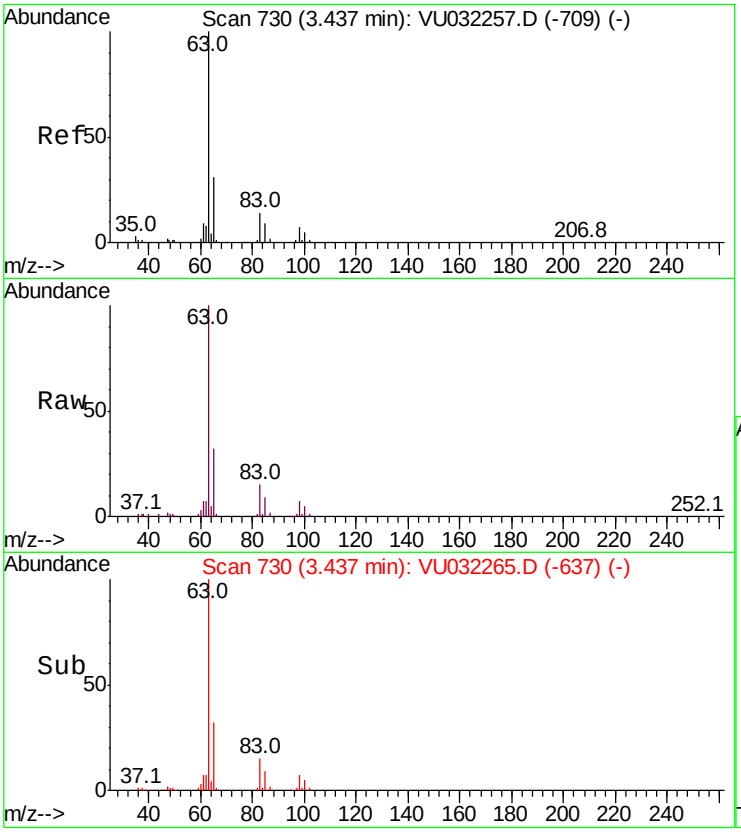


#18
trans-1,2-Dichloroethene
Concen: 0.307 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Tgt Ion: 96 Resp: 4398

Ion	Ratio	Lower	Upper
96	100		
61	120.8	90.6	168.3
98	43.9	49.5	91.9#



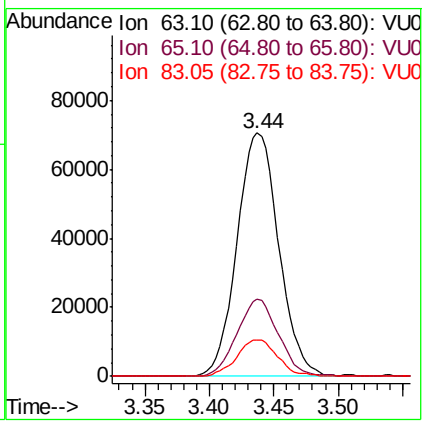


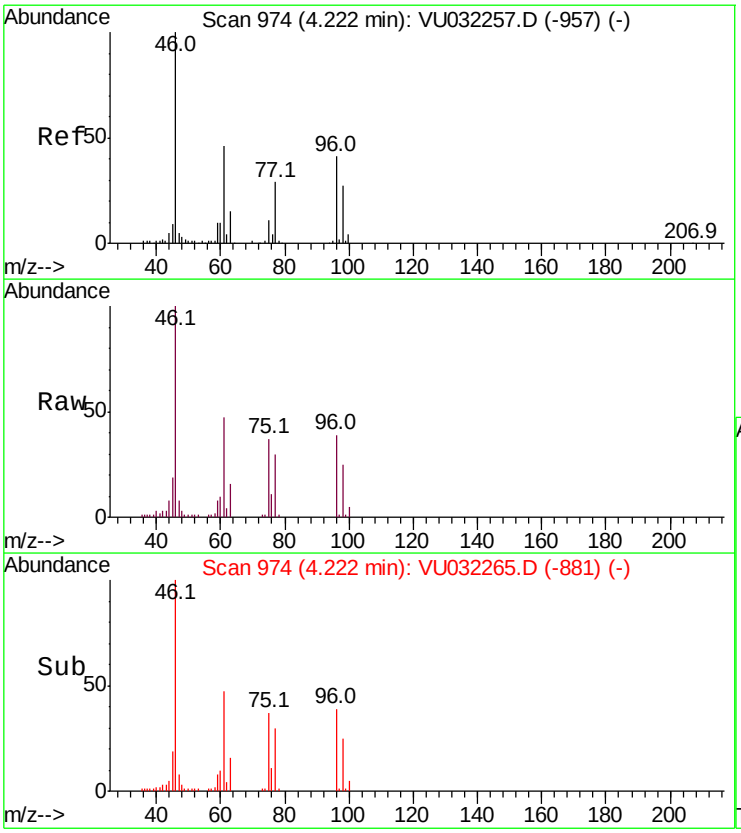
#19
1,1-Dichloroethane
Concen: 7.189 ug/L
RT: 3.44 min Scan# 730
Delta R.T. -0.00 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Instrument : MSVOA_U
ClientSampleId : E3YF0MSD

Tgt Ion: 63 Resp: 158973

Ion	Ratio	Lower	Upper
63	100		
65	31.6	23.5	43.7
83	15.1	8.8	16.3

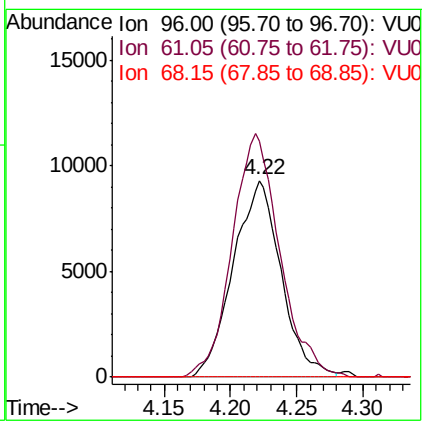


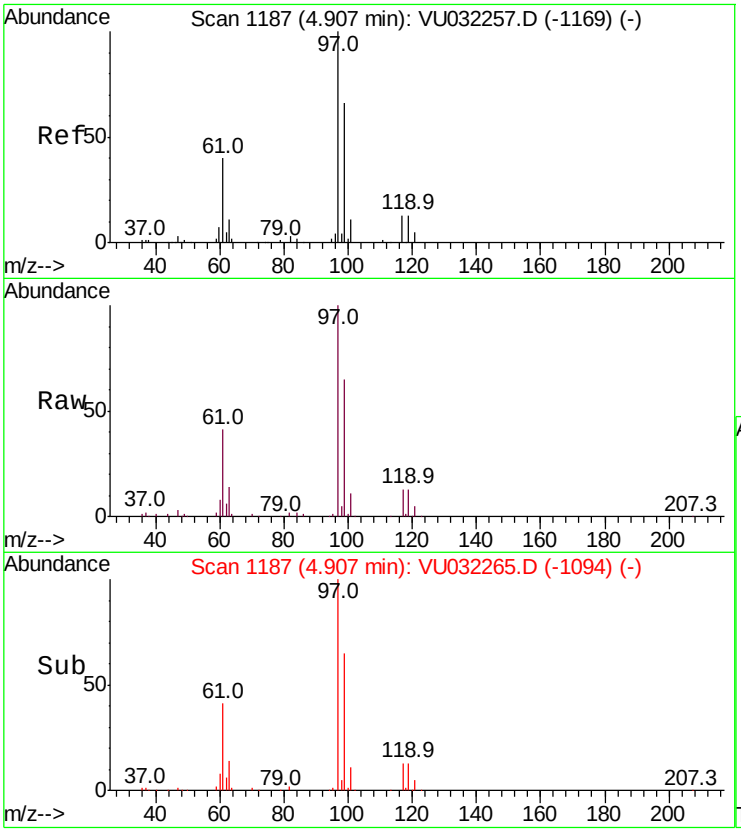


#22
cis-1,2-Dichloroethene
Concen: 1.673 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Tgt Ion: 96 Resp: 23379

Ion	Ratio	Lower	Upper
96	100		
61	120.3	82.5	153.1
68	0.0	0.0	0.0



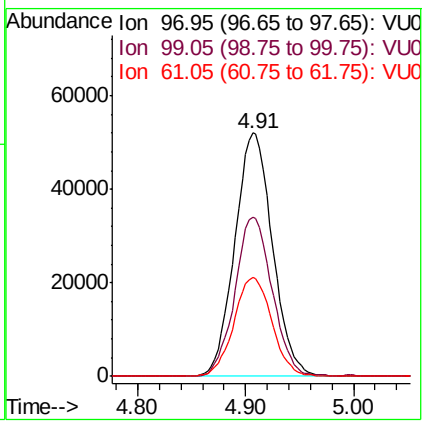


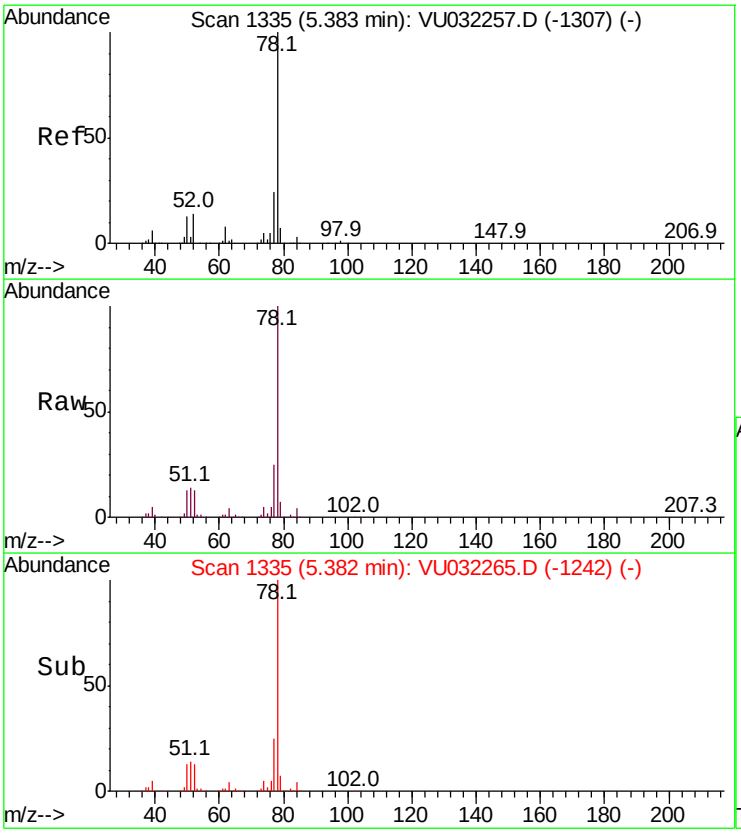
#29
1,1,1-Trichloroethane
Concen: 6.339 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
E3YF0MSD

Tgt Ion: 97 Resp: 126376

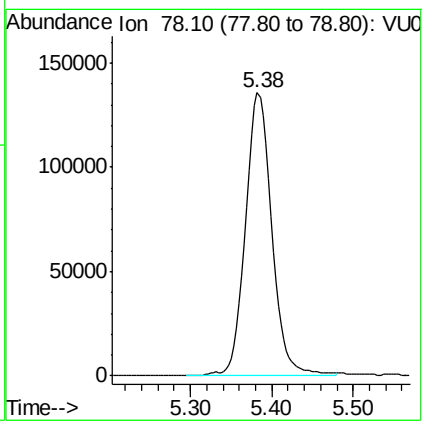
Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.3	75.5
61	41.1	34.1	51.1

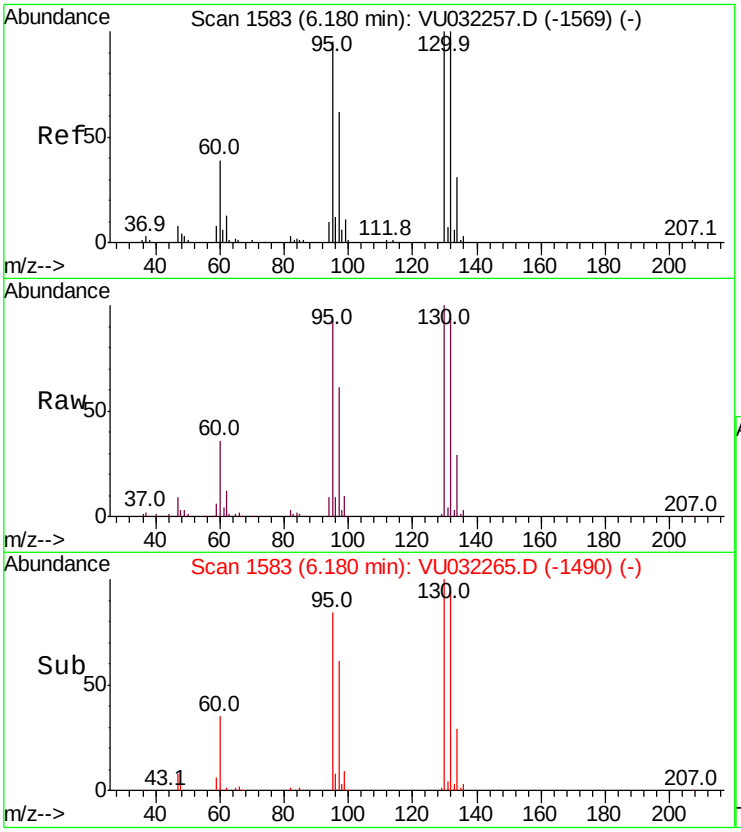




#33
Benzene
Concen: 5.798 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Tgt Ion: 78 Resp: 301238



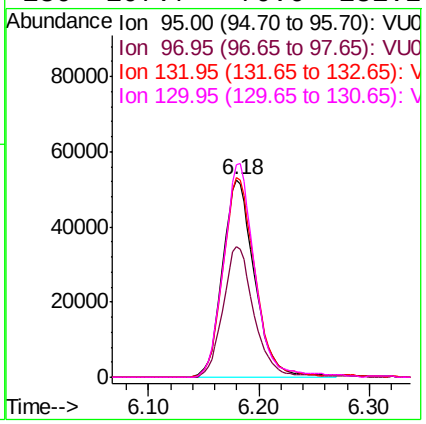


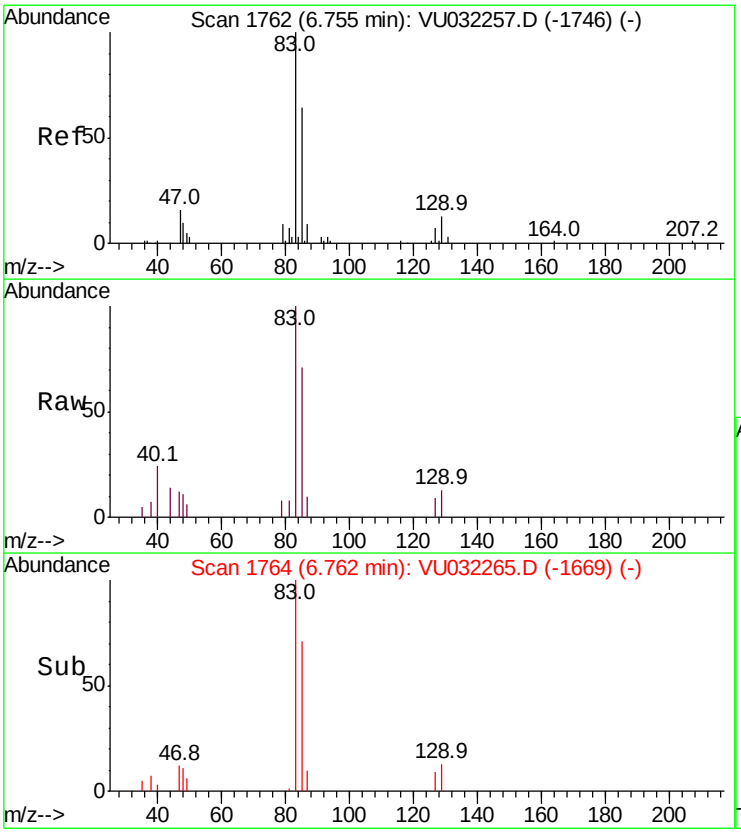
#34
Trichloroethene
Concen: 7.578 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Instrument : MSVOA_U
ClientSampleId : E3YF0MSD

Tgt Ion: 95 Resp: 105670

Ion	Ratio	Lower	Upper
95	100		
97	66.1	39.9	74.1
132	101.0	65.9	122.5
130	107.7	70.6	131.2

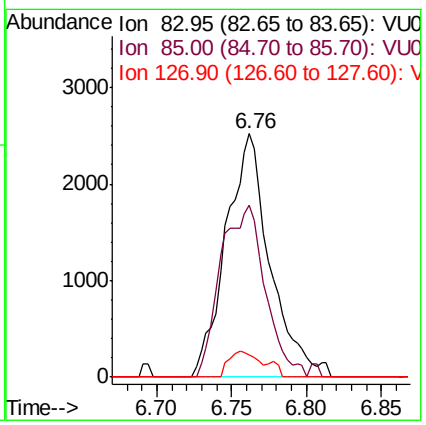


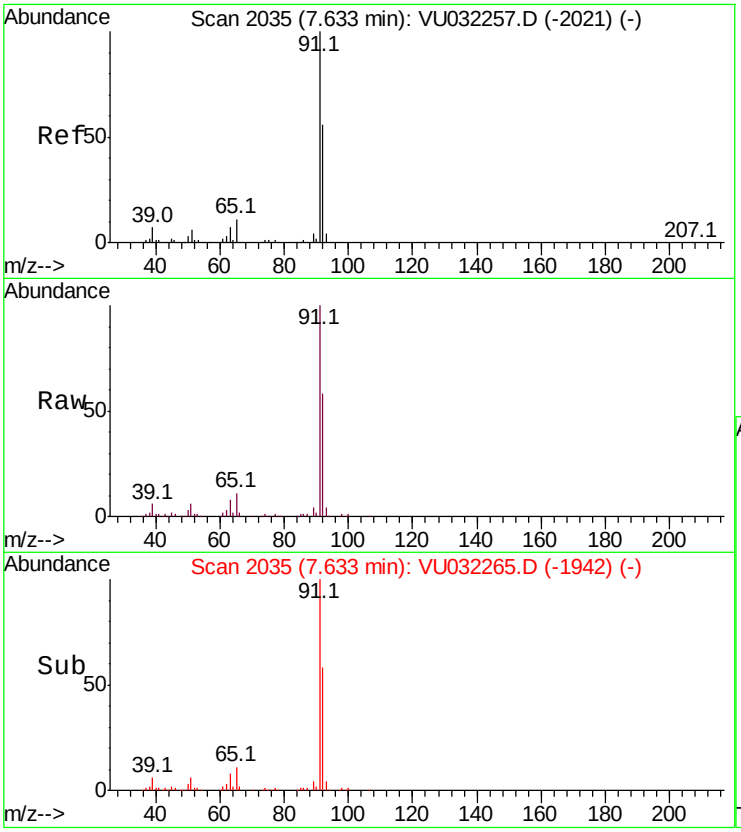


#38
Bromodichloromethane
Concen: 0.318 ug/L
RT: 6.76 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Tgt Ion: 83 Resp: 5173

Ion	Ratio	Lower	Upper
83	100		
85	70.9	44.4	82.4
127	9.3	7.0	10.6



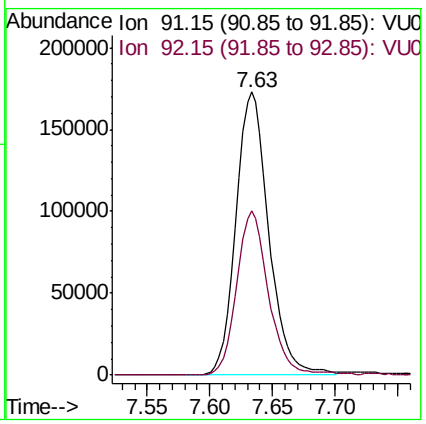


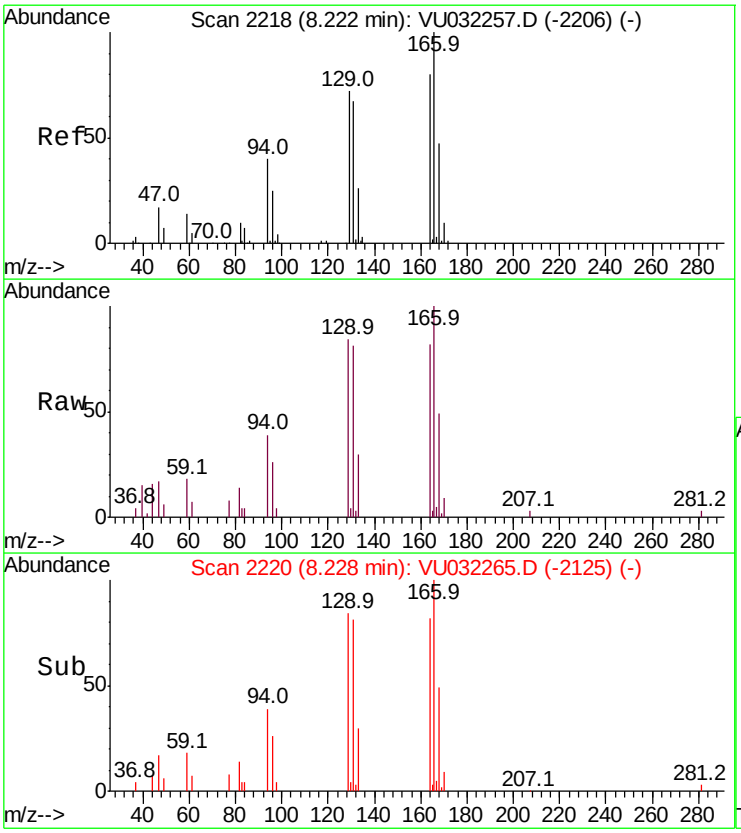
#42
Toluene
Concen: 5.698 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Instrument : MSVOA_U
ClientSampleId : E3YF0MSD

Tgt Ion: 91 Resp: 314545

Ion	Ratio	Lower	Upper
91	100		
92	57.9	38.5	71.5

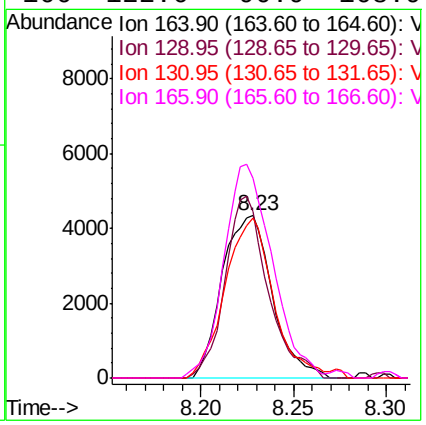


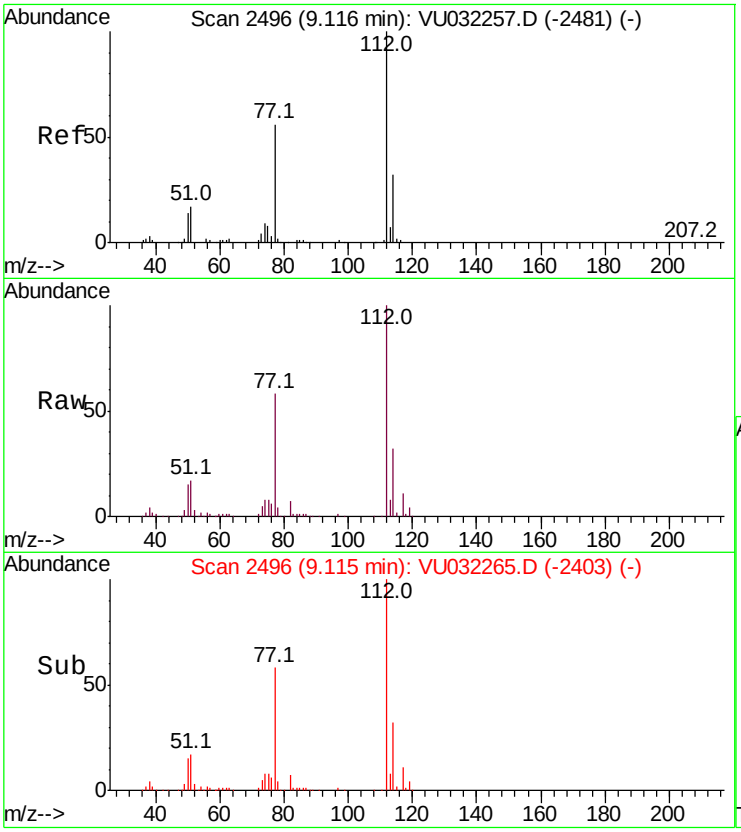


#47
Tetrachloroethene
Concen: 0.706 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.01 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Tgt Ion:164 Resp: 8126

Ion	Ratio	Lower	Upper
164	100		
129	102.4	67.1	124.7
131	98.7	62.2	115.4
166	122.6	90.9	168.9



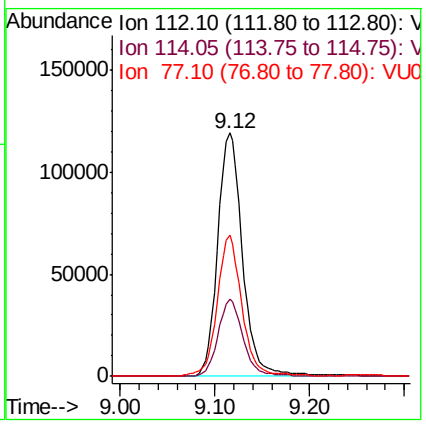


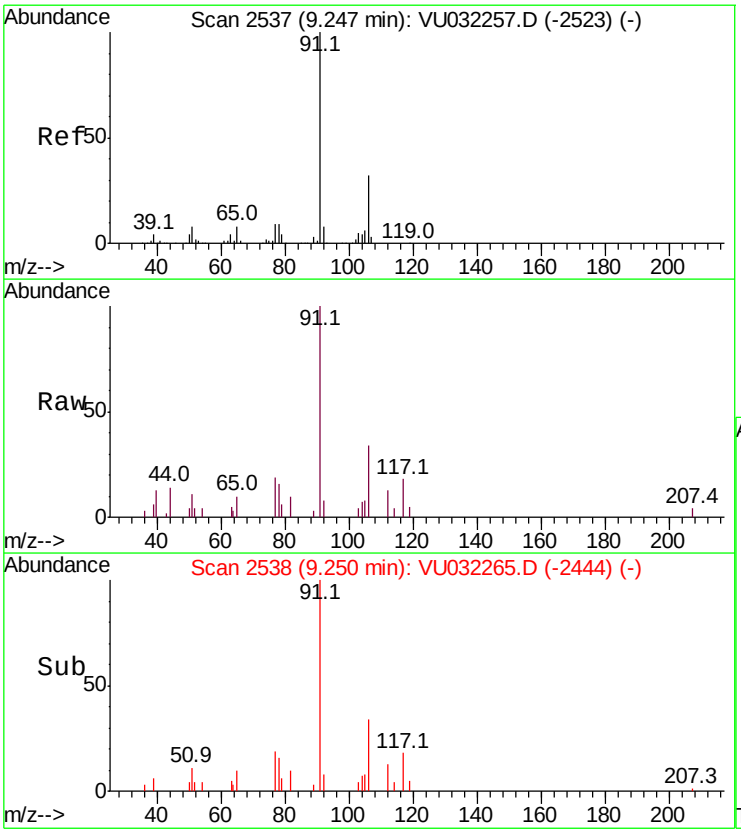
#51
Chlorobenzene
Concen: 6.167 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Instrument : MSVOA_U
ClientSampleId : E3YF0MSD

Tgt Ion:112 Resp: 217890

Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.6	42.0
77	58.1	46.8	70.2

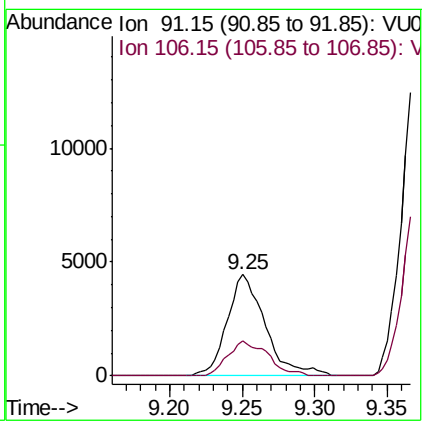


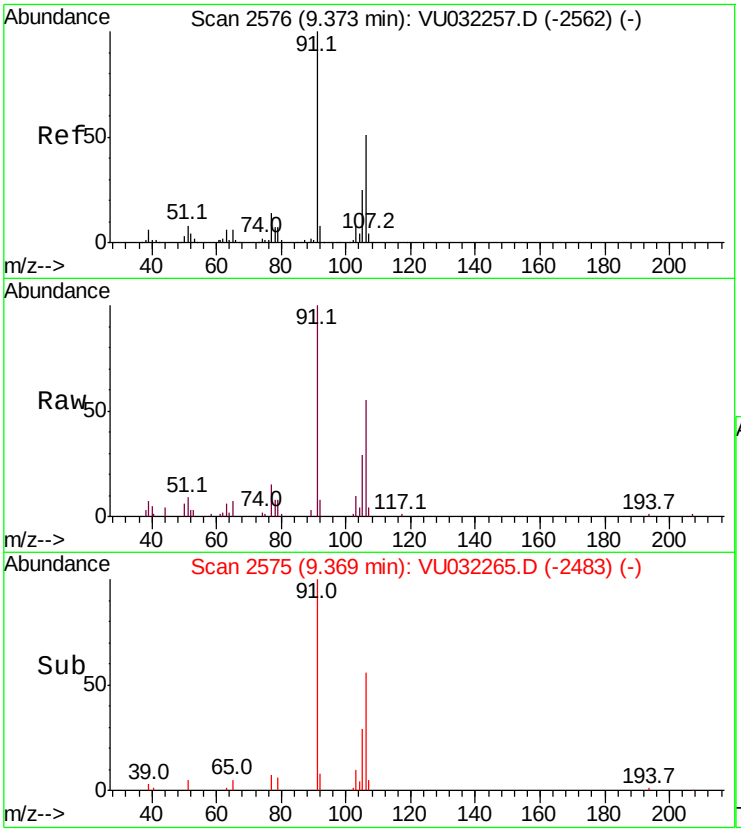


#52
Ethylbenzene
Concen: 0.146 ug/L
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Tgt Ion: 91 Resp: 8140

Ion	Ratio	Lower	Upper
91	100		
106	34.3	20.9	38.9



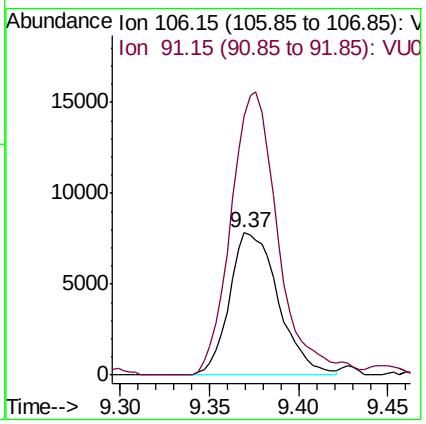


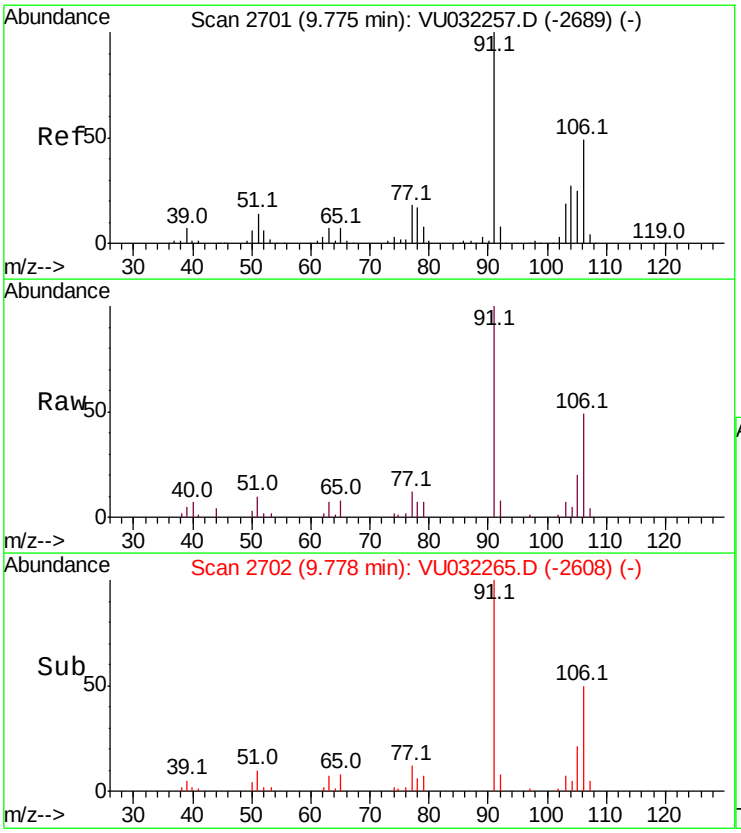
#53
m,p-Xylene
Concen: 0.724 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
E3YF0MSD

Tgt Ion:106 Resp: 14970

Ion	Ratio	Lower	Upper
106	100		
91	182.7	143.9	267.2





#54
o-Xylene
Concen: 0.469 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU032265.D
Acq: 23 May 2019 13:36

Tgt Ion:106 Resp: 9691

Ion	Ratio	Lower	Upper
106	100		
91	204.9	147.8	274.4