Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\

Quantitation Report (Not Reviewed)

Data File : VU030459.D
Acq On : 26 Mar 2019 21:27
Operator : JC/SP
Sample : K2063-04DL 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6DL

Quant Time: Mar 27 06:05:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	453331	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	428740	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	186679	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	180118	49.37	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 98.74%			
7) Chloroethane-d5	1.67	69	144077	49.82	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.64%			
11) 1,1-Dichloroethene-d2	2.27	63	248972	35.97	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.94%			
21) 2-Butanone-d5	4.17	46	348289	101.55	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 101.55%			
24) Chloroform-d	4.65	84	298629	47.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.02%			
26) 1,2-Dichloroethane-d4	5.31	65	203914	49.57	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.14%			
32) Benzene-d6	5.34	84	605178	49.22	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.44%			
36) 1,2-Dichloropropane-d6	6.33	67	215727	51.28	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 102.56%			
41) Toluene-d8	7.56	98	526533	47.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.36%			
43) trans-1,3-Dichloropropene-	7.85	79	93275	47.16	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.32%			
47) 2-Hexanone-d5	8.31	63	230009	100.90	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 100.90%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299654	49.78	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.56%			
64) 1,2-Dichlorobenzene-d4	11.86	152	186522	49.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.74%			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2202	0.666	ug/L #	21
13) Acetone	2.32	43	2335	0.673	ug/L	58
29) Cyclohexane	4.99	56	14841	2.287	ug/L	97
33) Benzene	5.39	78	486312	33.321	ug/L	100
35) Methylcyclohexane	6.41	83	9383	1.589	ug/L	92
39) cis-1,3-Dichloropropene	7.22	75	5295	0.889	ug/L	87
42) Toluene	7.63	91	1765501	116.559	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3797	0.725	ug/L	95
48) 2-Hexanone	8.31	43	30343	5.322	ug/L #	71
50) 1,2-Dibromoethane	8.59	107	6046	1.610	ug/L #	89
51) Chlorobenzene	9.12	112	7192	0.783	ug/L	94
52) Ethylbenzene	9.25	91	261263	15.923	ug/L	99
53) m,p-Xylene	9.37	106	340069	57.400	ug/L	98
54) o-xylene	9.77	106	151472	26.203	ug/L	98
55) Styrene	9.78	104	13472	1.353	ug/L #	1
56) Isopropylbenzene	10.17	105	10732	0.701	ug/L	92
59) 1,2,3-Trichloropropane	11.48	75	26381	5.233	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\

Quantitation Report (Not Reviewed)

Data File : VU030459.D
Acq On : 26 Mar 2019 21:27
Operator : JC/SP
Sample : K2063-04DL 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6DL

Quant Time: Mar 27 06:05:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
63) 1,4-Dichlorobenzene	11.50	146	4905	0.780	ug/L		95
65) 1,2-Dichlorobenzene	11.88	146	5091	0.825	ug/L	#	91
69) Naphthalene	13.75	128	55055	3.899	ug/L	#	94

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

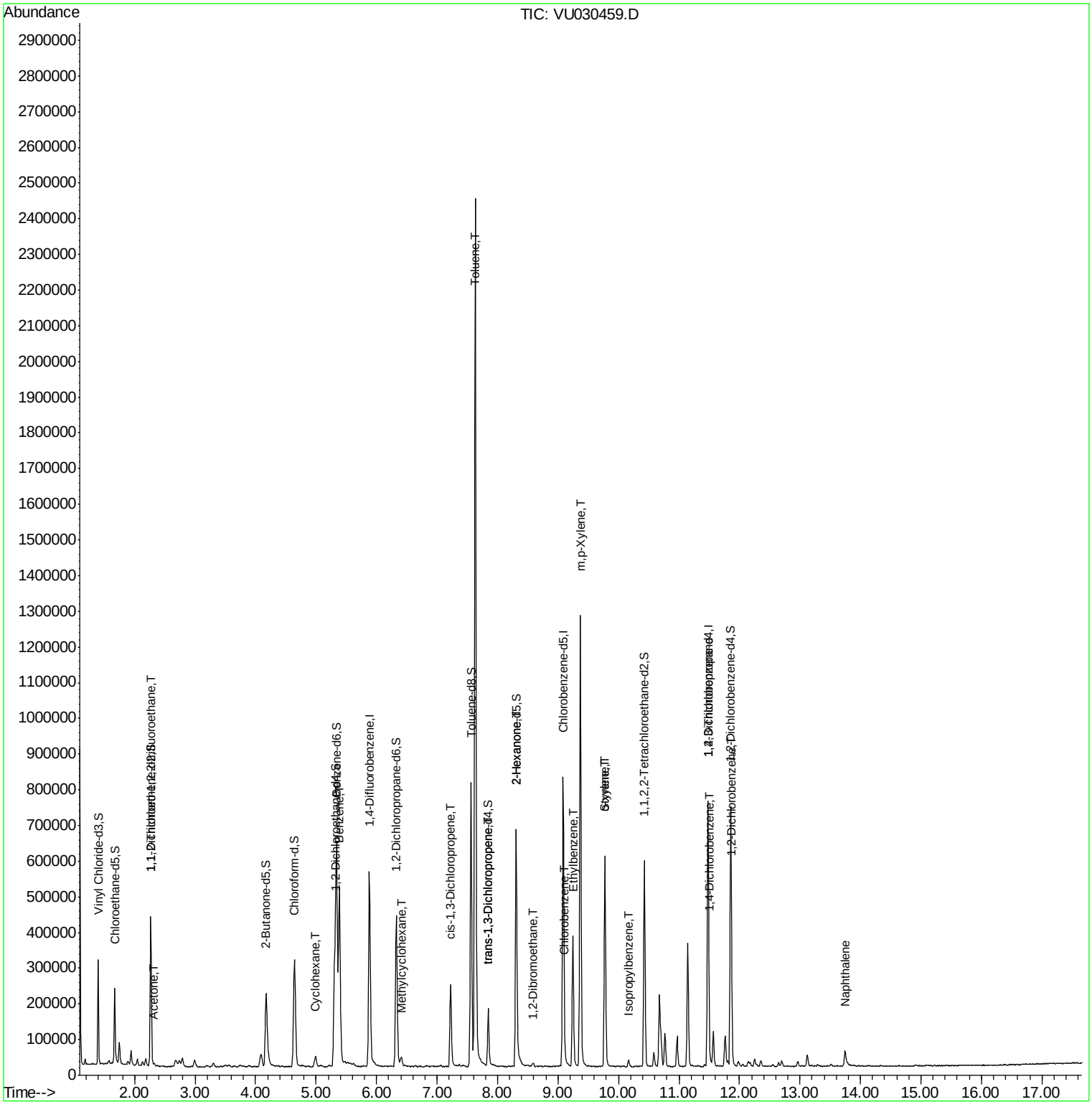
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\

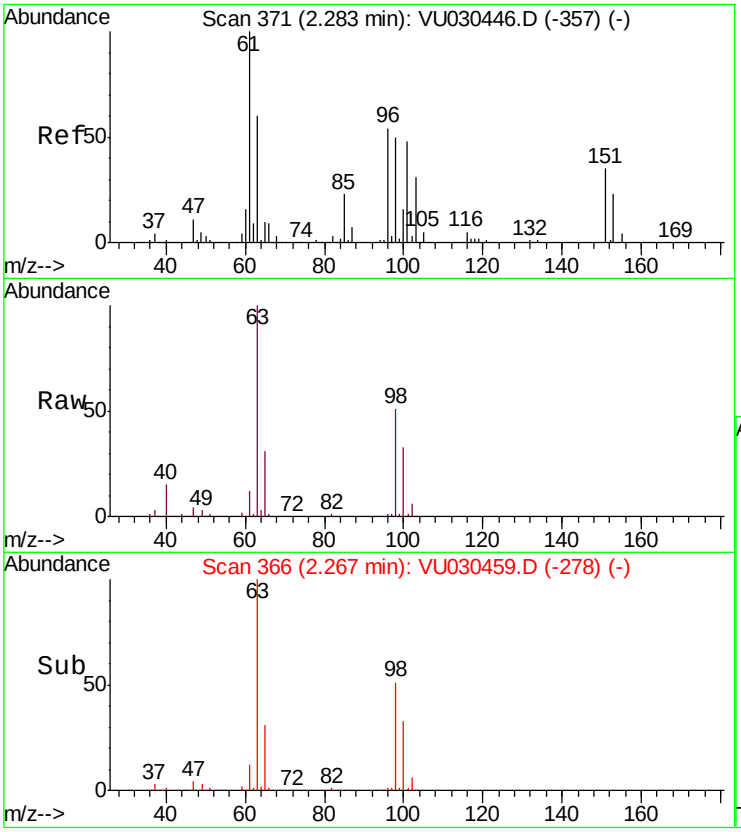
Quantitation Report (Not Reviewed)

Data File : VU030459.D
Acq On : 26 Mar 2019 21:27
Operator : JC/SP
Sample : K2063-04DL 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6DL

Quant Time: Mar 27 06:05:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration



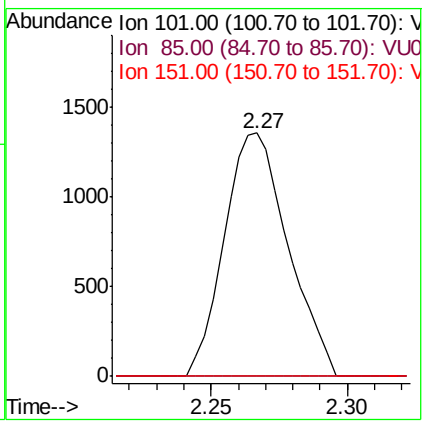


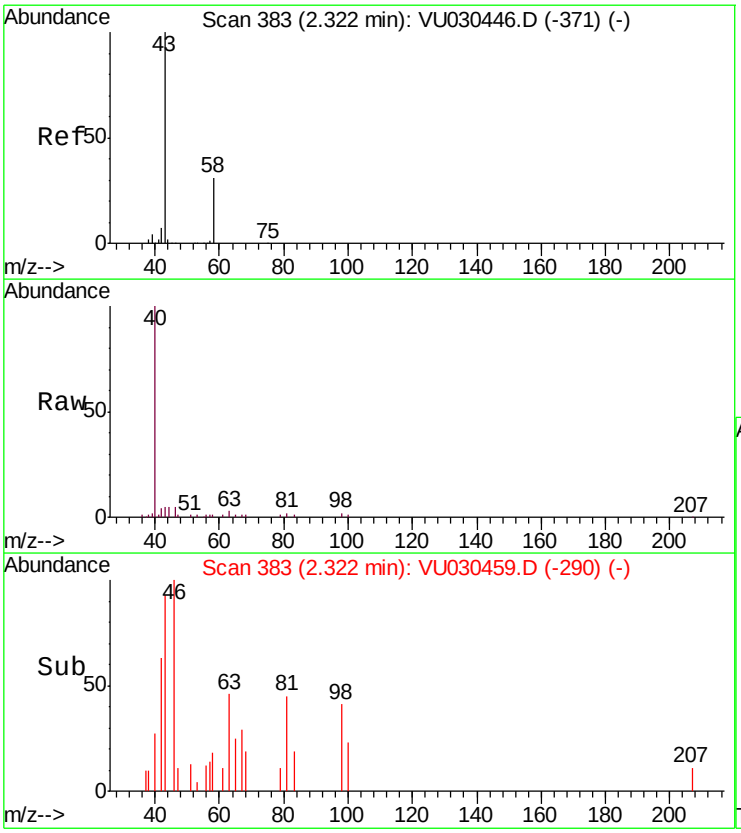
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.666 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.02 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Instrument : MSVOA_U
ClientSampleId : DB6R6DL

Tgt Ion:101 Resp: 2202

Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.8	52.2#
151	0.0	56.6	85.0#

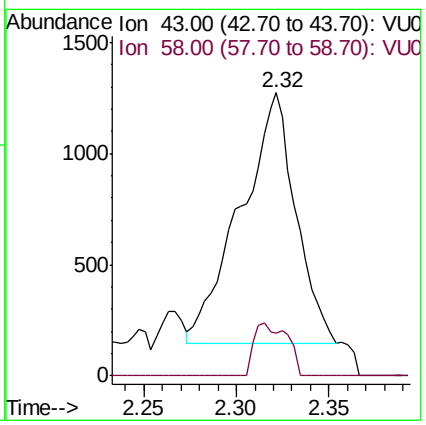


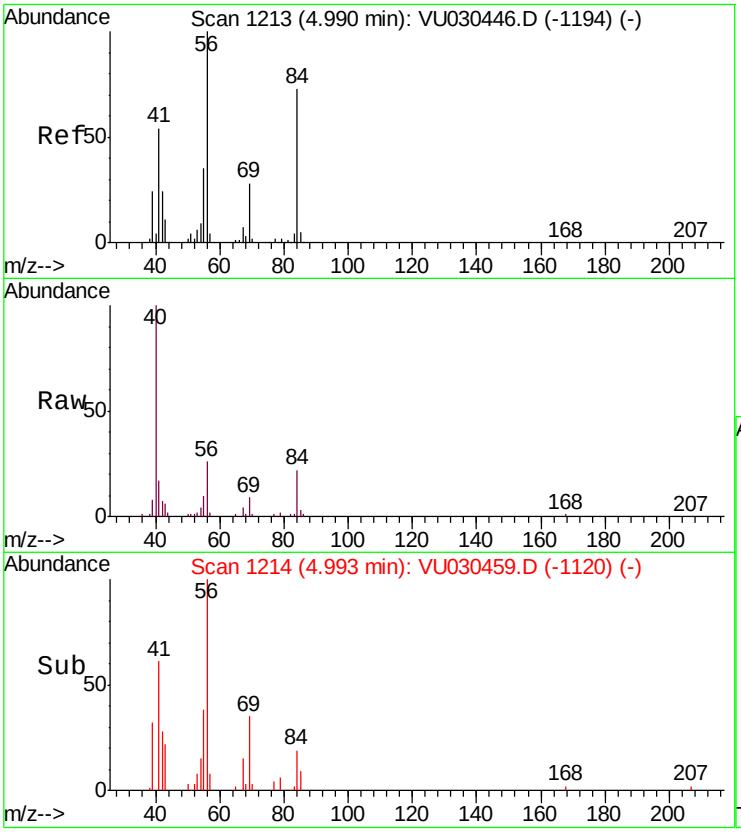


#13
Acetone
Concen: 0.673 ug/L
RT: 2.32 min Scan# 383
Delta R.T. -0.00 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Tgt Ion: 43 Resp: 2335

Ion	Ratio	Lower	Upper
43	100		
58	8.4	0.0	62.8



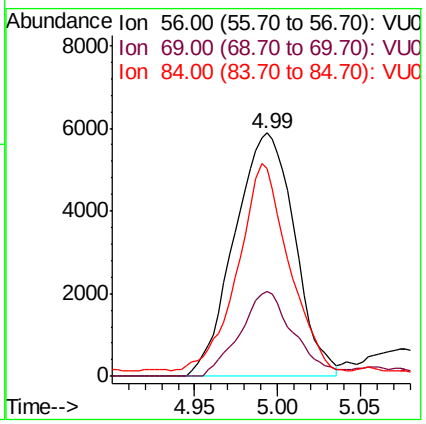


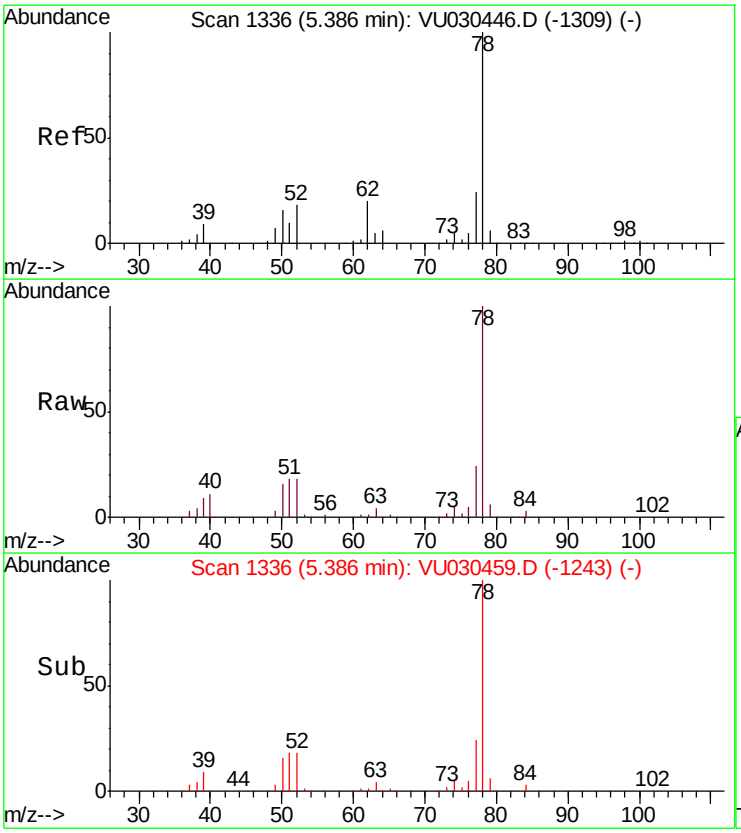
#29
Cyclohexane
Concen: 2.287 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
DB6R6DL

Tgt Ion: 56 Resp: 14841

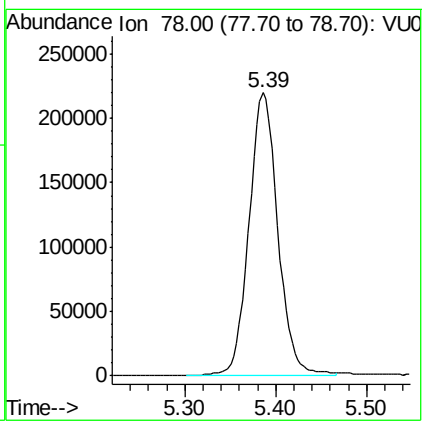
Ion	Ratio	Lower	Upper
56	100		
69	31.0	22.9	34.3
84	71.7	58.9	88.3

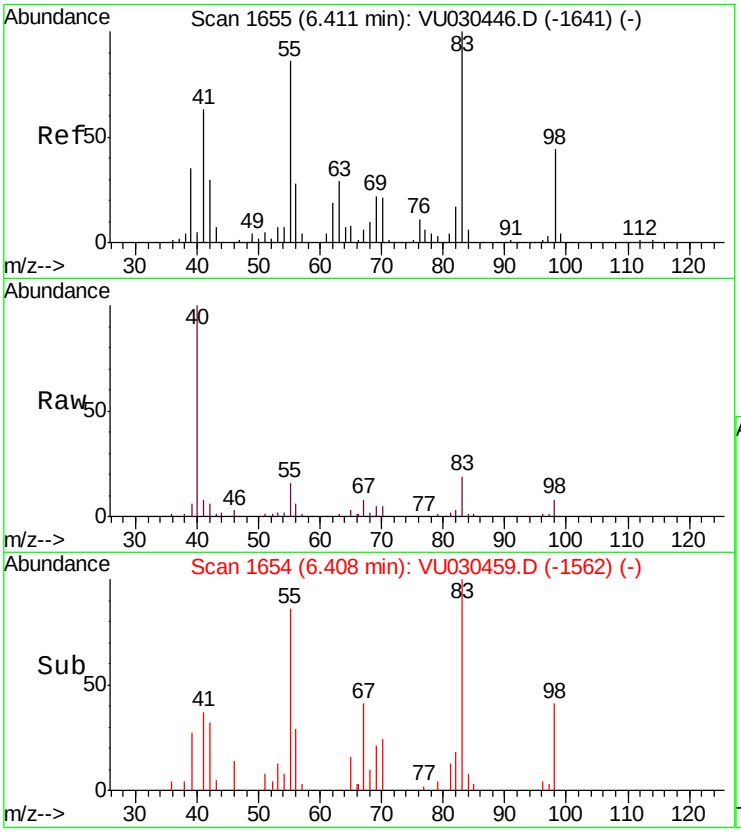




#33
Benzene
Concen: 33.321 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Tgt Ion: 78 Resp: 486312



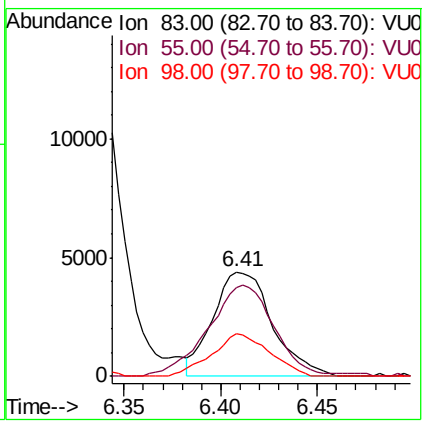


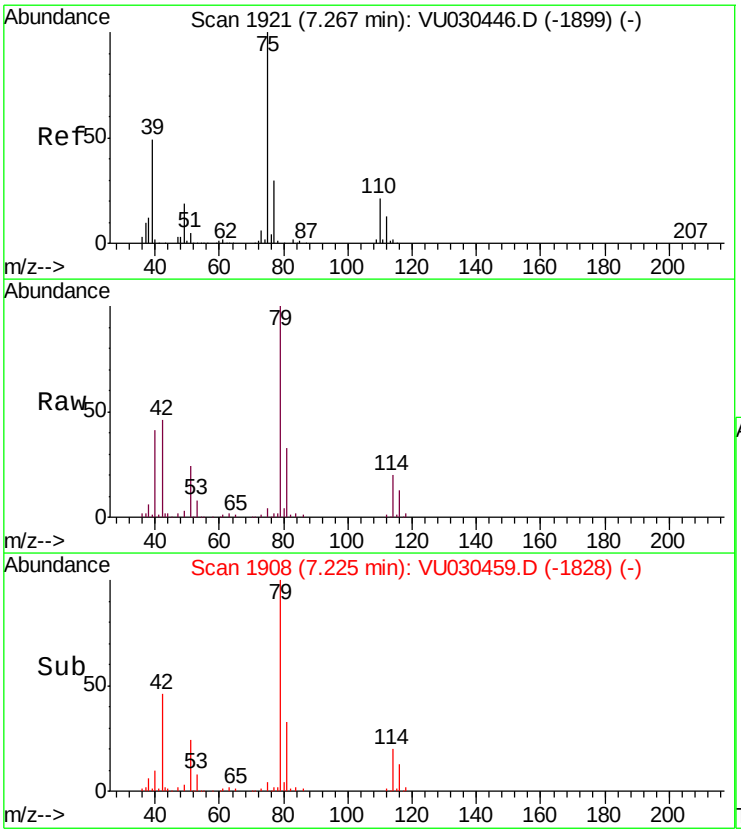
#35
Methylcyclohexane
Concen: 1.589 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
DB6R6DL

Tgt Ion: 83 Resp: 9383

Ion	Ratio	Lower	Upper
83	100		
55	96.8	71.4	107.0
98	39.5	36.0	54.0

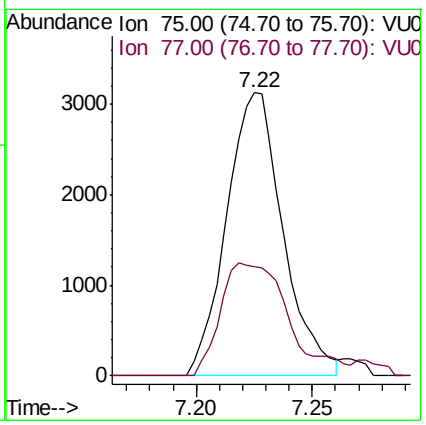


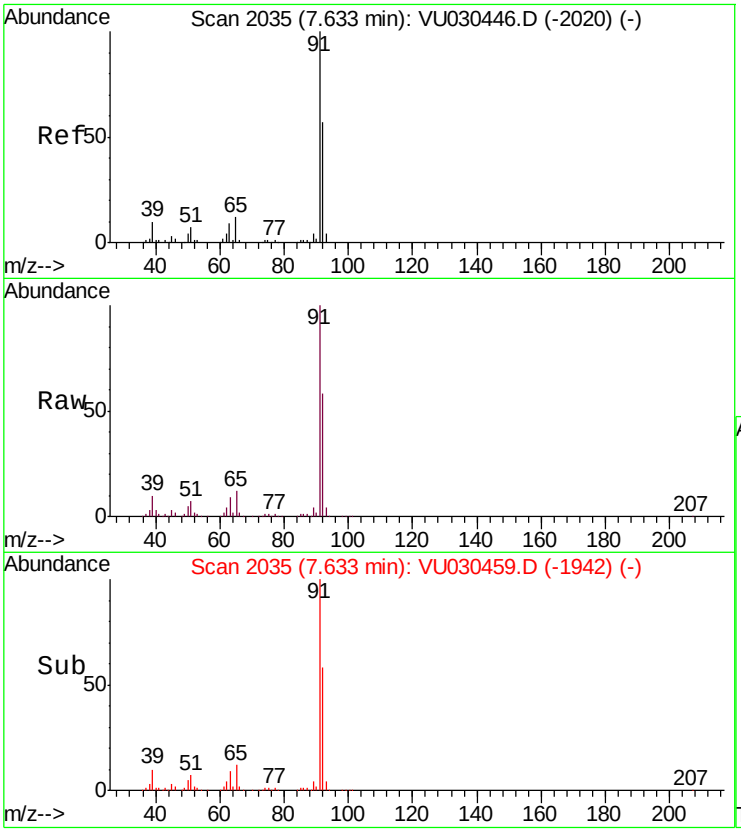


#39
cis-1,3-Dichloropropene
Concen: 0.889 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Tgt Ion: 75 Resp: 5295

Ion	Ratio	Lower	Upper
75	100		
77	38.6	21.8	40.6



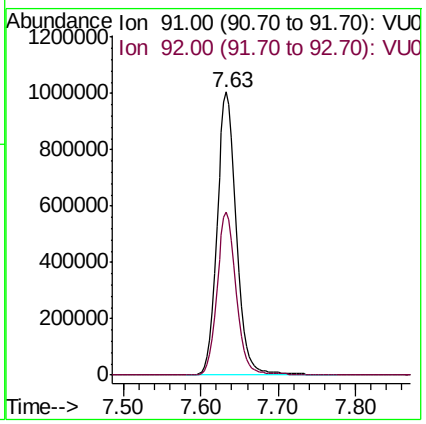


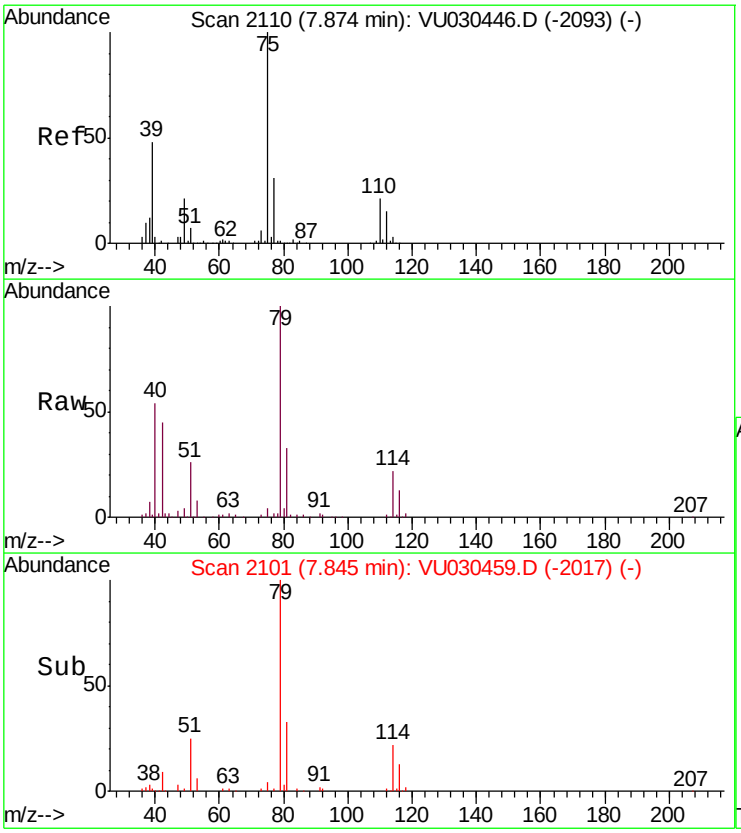
#42
Toluene
Concen: 116.559 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
DB6R6DL

Tgt Ion: 91 Resp: 1765501

Ion	Ratio	Lower	Upper
91	100		
92	57.6	39.7	73.7

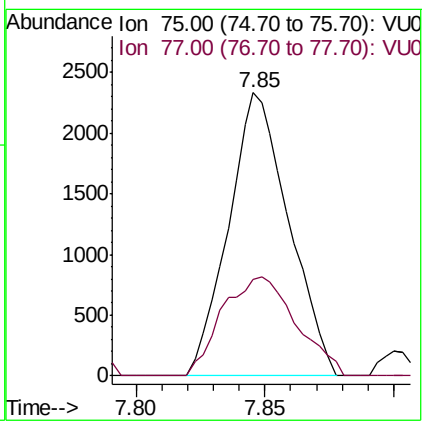


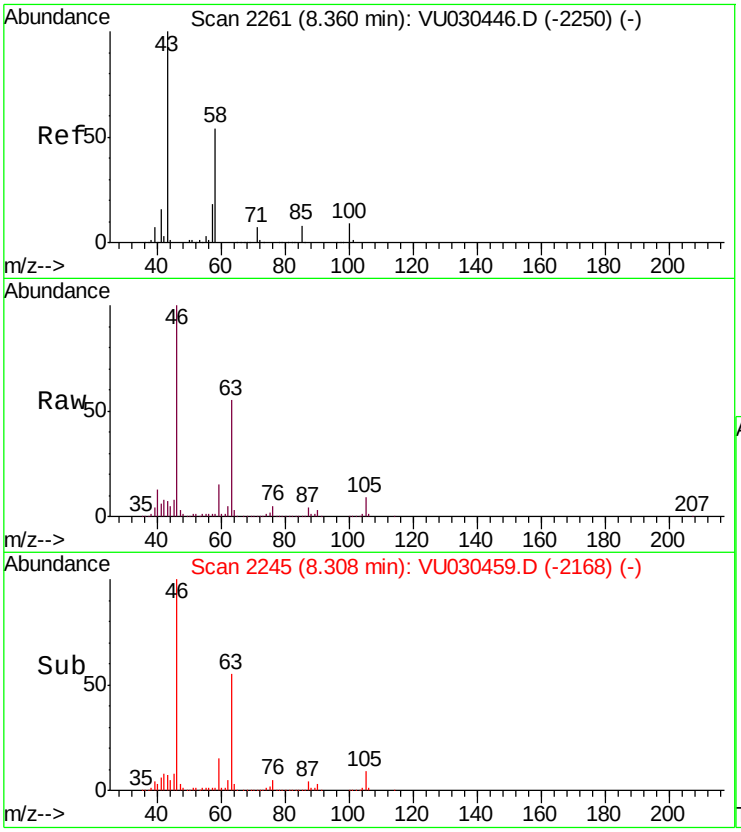


#44
trans-1,3-Dichloropropene
Concen: 0.725 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Tgt Ion: 75 Resp: 3797

Ion	Ratio	Lower	Upper
75	100		
77	34.1	22.0	40.8



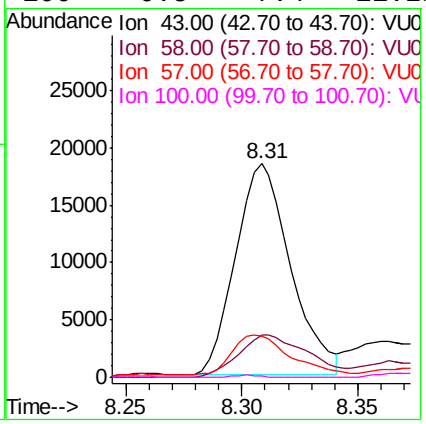


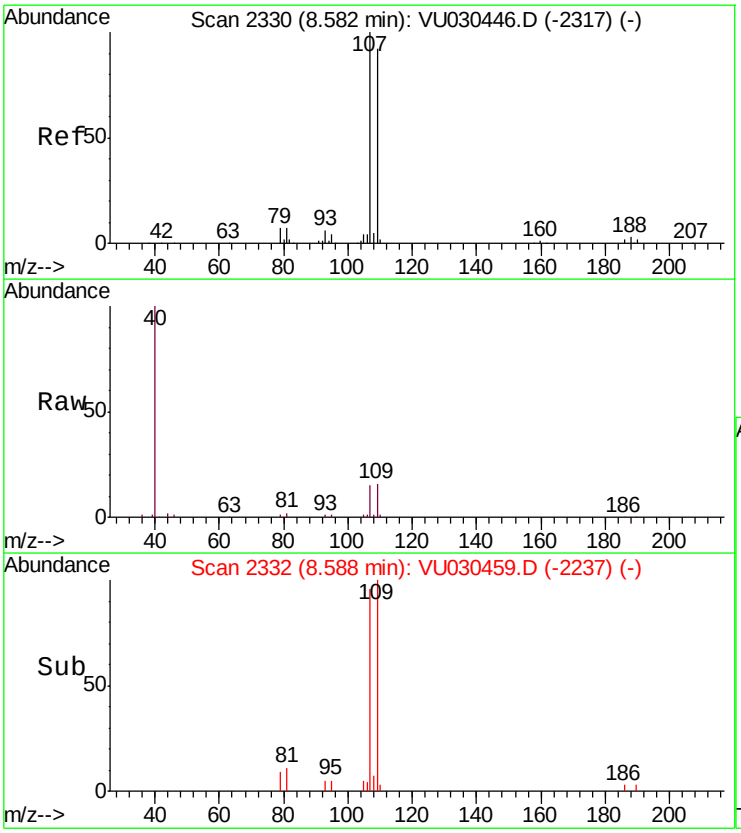
#48
2-Hexanone
Concen: 5.322 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Instrument : MSVOA_U
ClientSampleId : DB6R6DL

Tgt Ion: 43 Resp: 30343

Ion	Ratio	Lower	Upper
43	100		
58	25.1	42.5	63.7#
57	20.1	15.0	22.6
100	0.5	7.4	11.2#

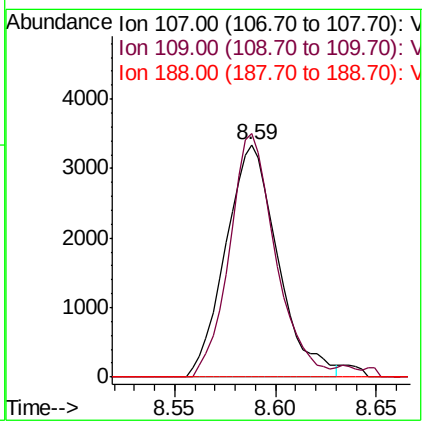


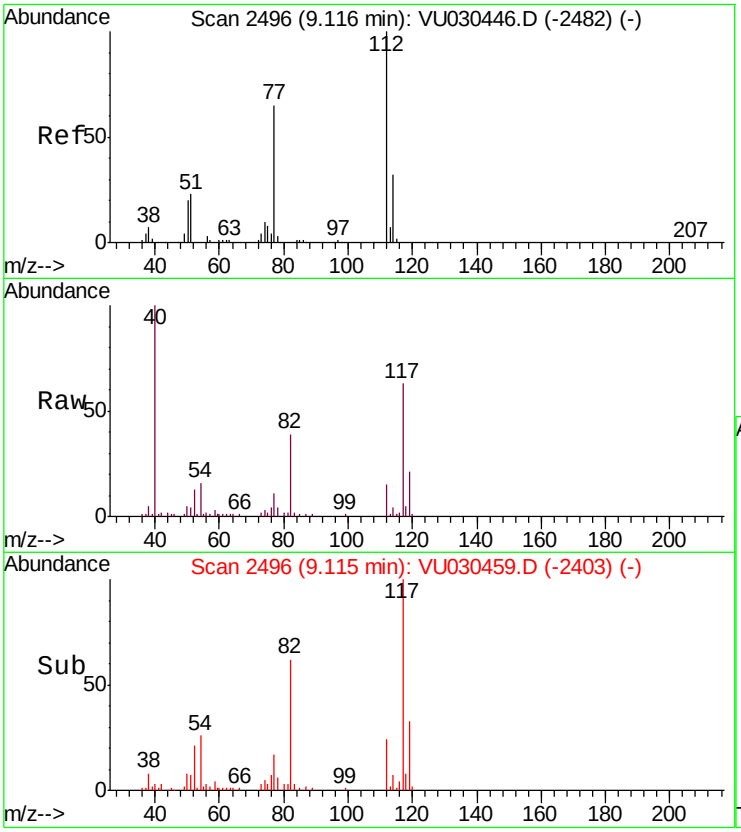


#50
1,2-Dibromoethane
Concen: 1.610 ug/L
RT: 8.59 min Scan# 2332
Delta R.T. 0.01 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Tgt Ion:107 Resp: 6046

Ion	Ratio	Lower	Upper
107	100		
109	104.6	65.8	122.2
188	0.0	2.6	4.0#



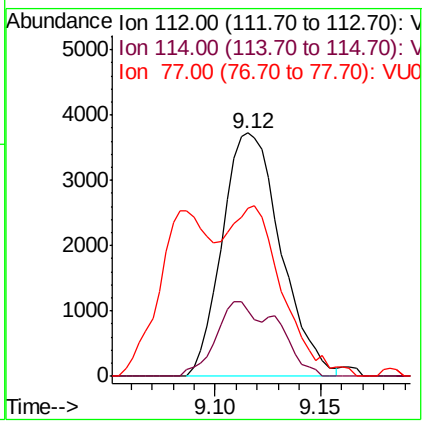


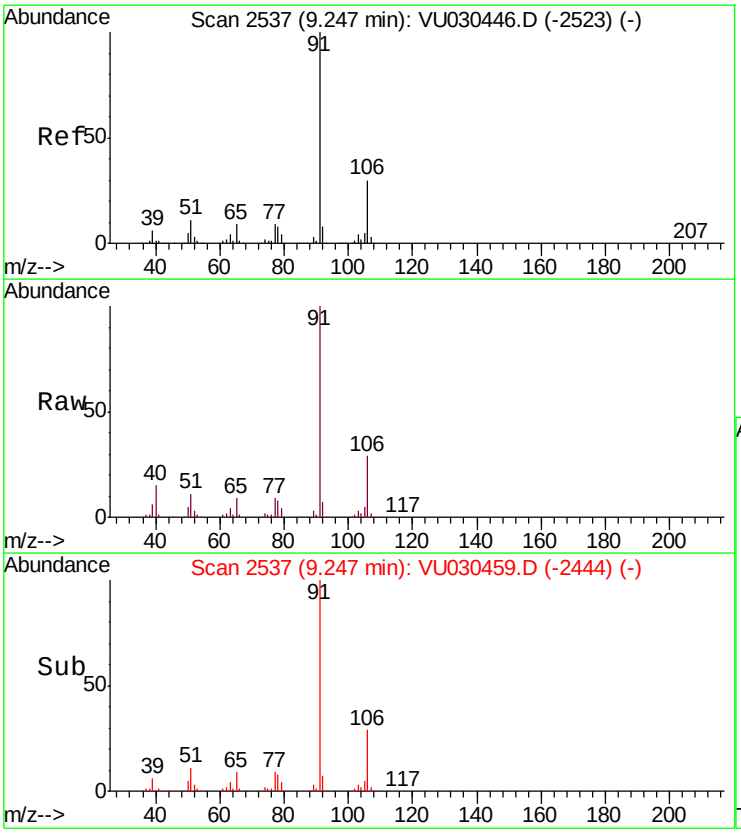
#51
Chlorobenzene
Concen: 0.783 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
DB6R6DL

Tgt Ion:112 Resp: 7192

Ion	Ratio	Lower	Upper
112	100		
114	27.2	21.5	39.9
77	69.0	51.4	77.0

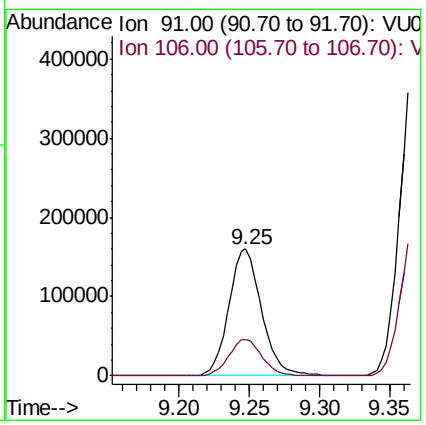


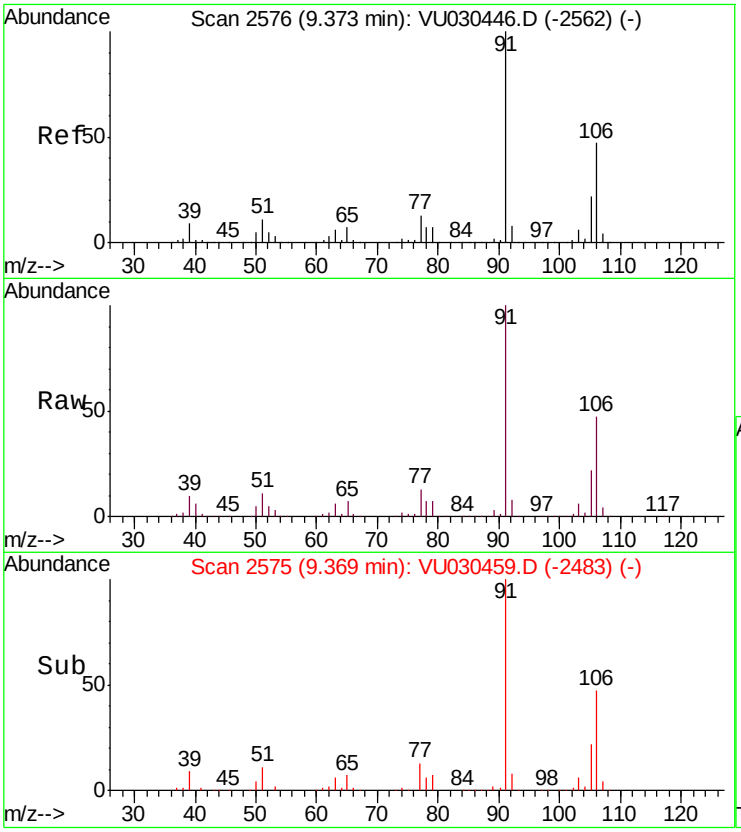


#52
Ethylbenzene
Concen: 15.923 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Tgt Ion: 91 Resp: 261263

Ion	Ratio	Lower	Upper
91	100		
106	29.1	20.6	38.2



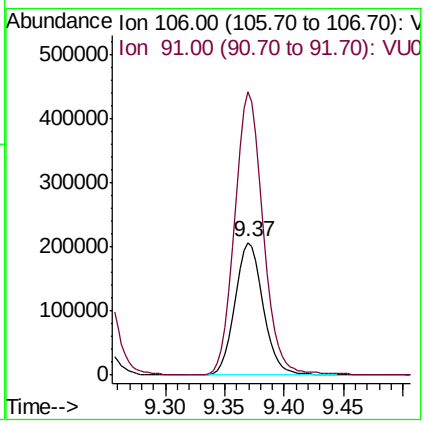


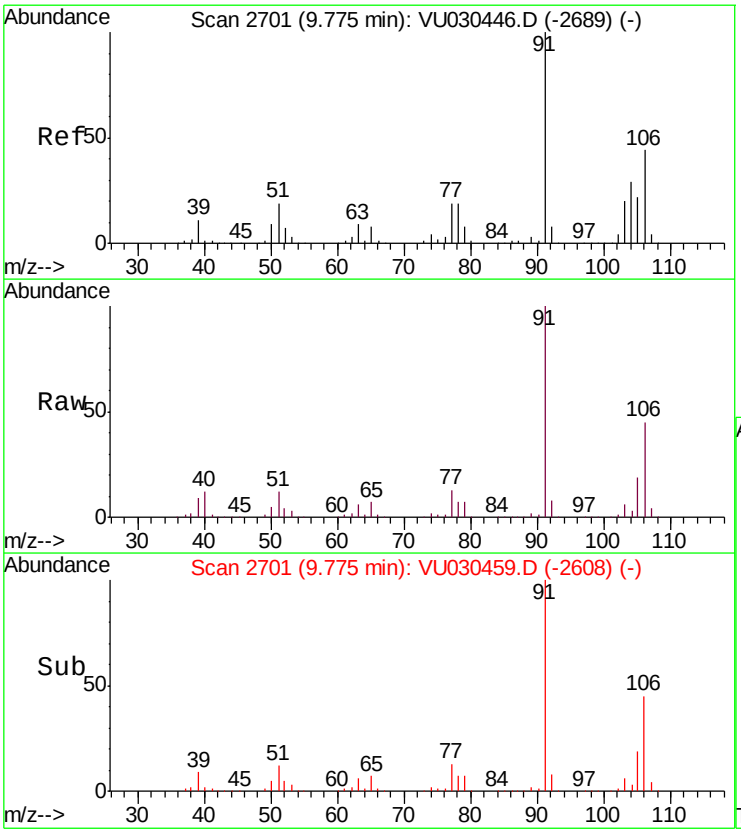
#53
m,p-Xylene
Concen: 57.400 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Instrument :
MSVOA_U
ClientSampleId :
DB6R6DL

Tgt Ion:106 Resp: 340069

Ion	Ratio	Lower	Upper
106	100		
91	213.2	151.2	280.8

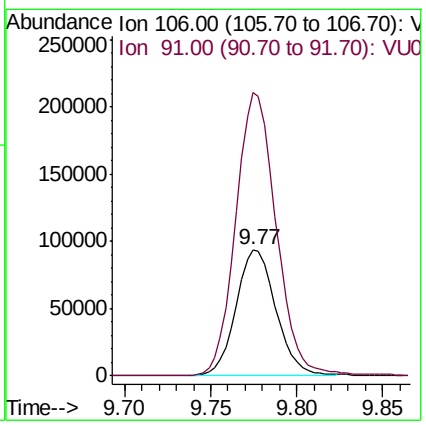


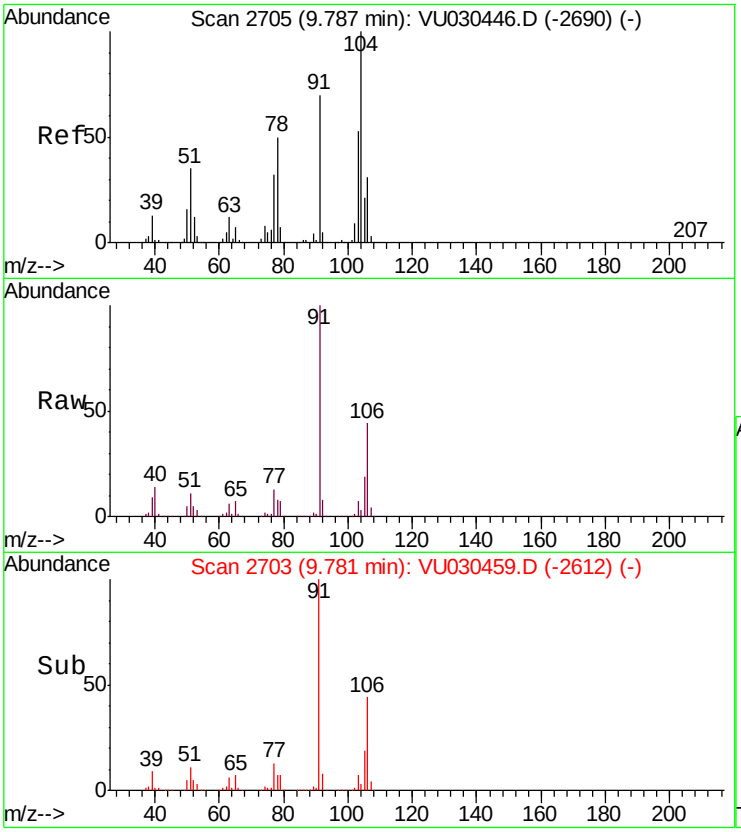


#54
o-xylene
Concen: 26.203 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Tgt Ion:106 Resp: 151472

Ion	Ratio	Lower	Upper
106	100		
91	223.9	159.6	296.4



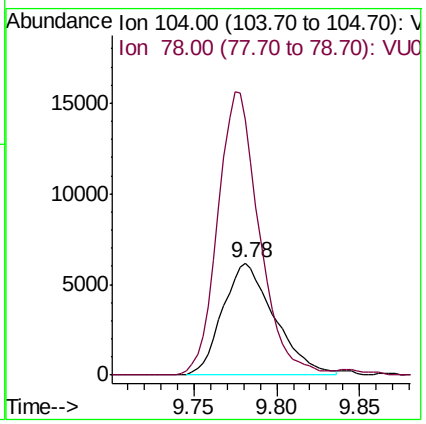


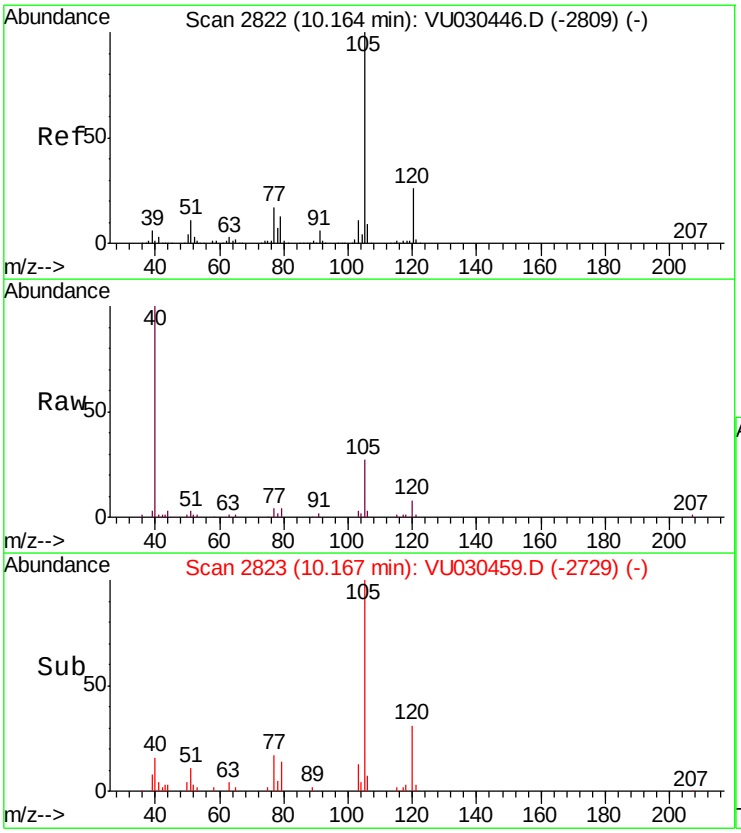
#55
Styrene
Concen: 1.353 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. -0.01 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Instrument : MSVOA_U
ClientSampleId : DB6R6DL

Tgt Ion:104 Resp: 13472

Ion	Ratio	Lower	Upper
104	100		
78	227.2	35.1	65.3#

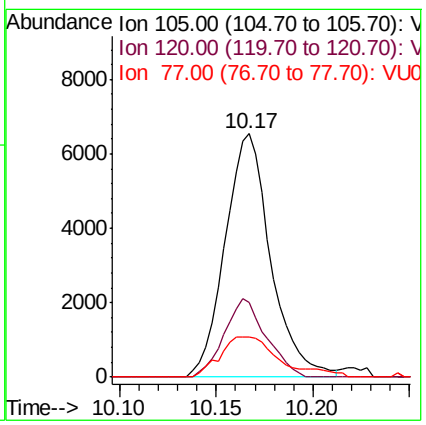


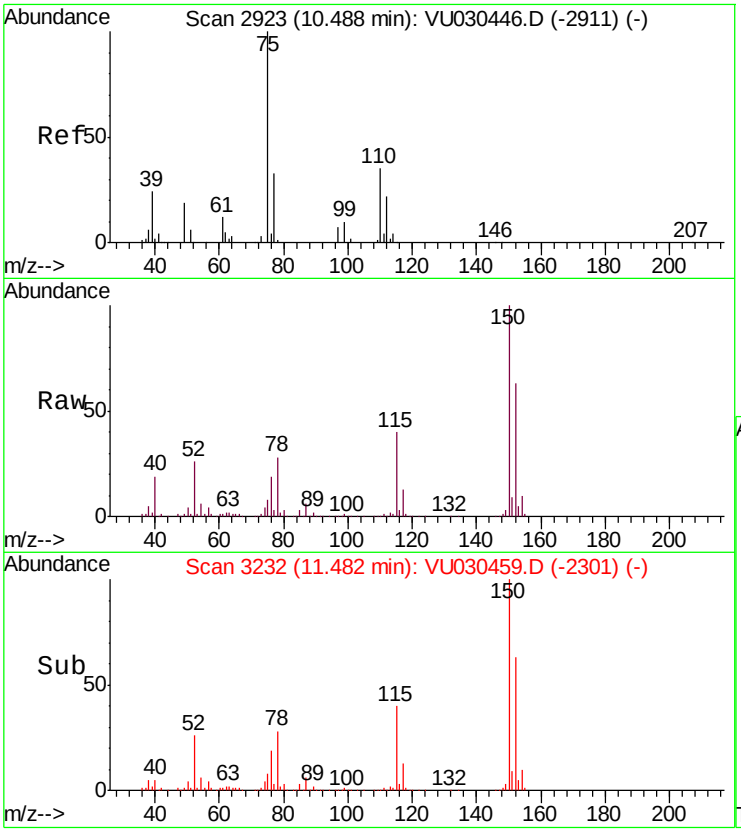


#56
Isopropylbenzene
Concen: 0.701 ug/L
RT: 10.17 min Scan# 2823
Delta R.T. 0.00 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Tgt Ion:105 Resp: 10732

Ion	Ratio	Lower	Upper
105	100		
120	29.3	20.2	30.2
77	19.6	13.2	19.8



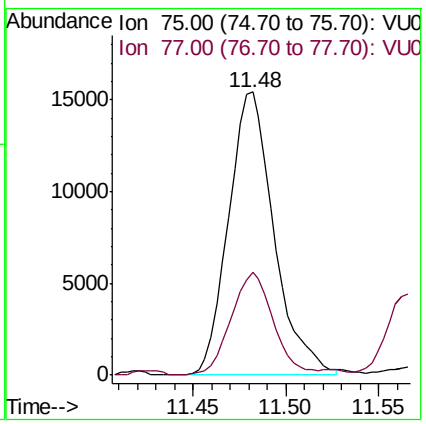


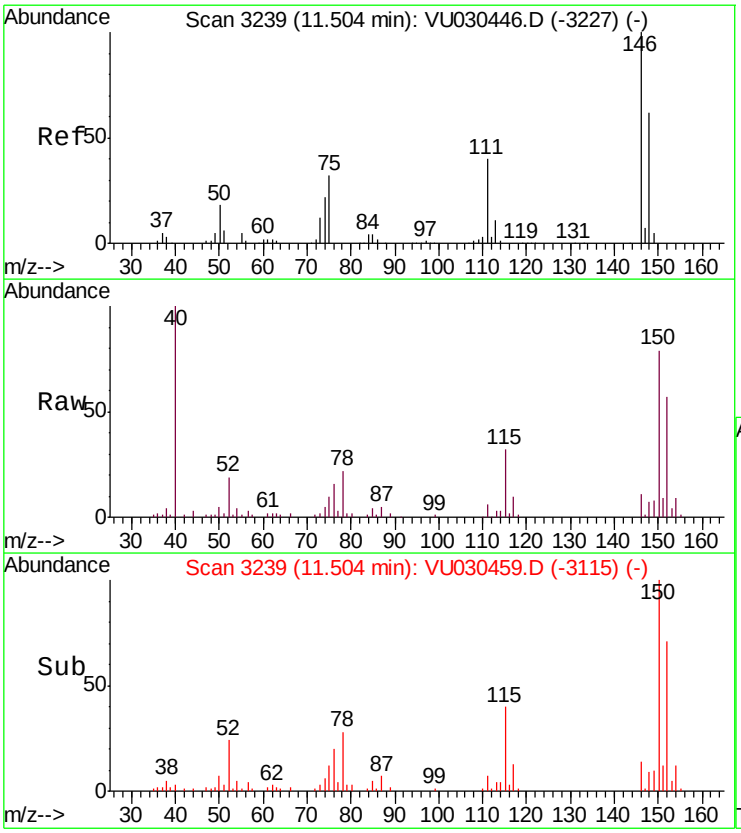
#59
1,2,3-Trichloropropane
Concen: 5.233 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Instrument : MSVOA_U
ClientSampleId : DB6R6DL

Tgt Ion: 75 Resp: 26381

Ion	Ratio	Lower	Upper
75	100		
77	33.6	25.4	38.2

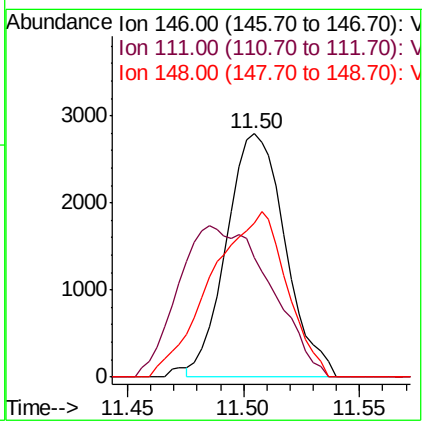


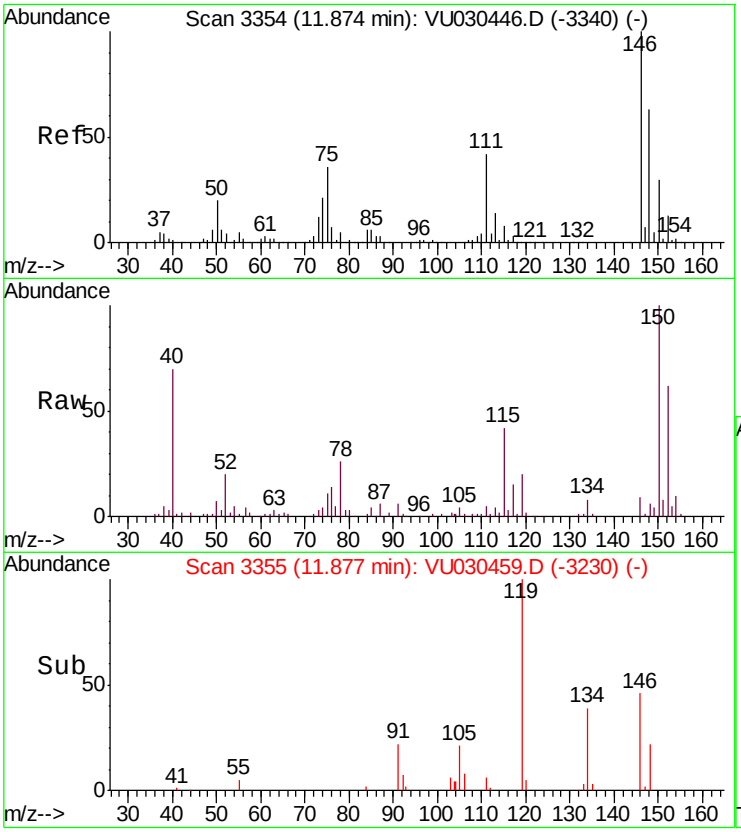


#63
1,4-Dichlorobenzene
Concen: 0.780 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Tgt Ion:146 Resp: 4905

Ion	Ratio	Lower	Upper
146	100		
111	49.2	28.7	53.3
148	63.4	44.3	82.3



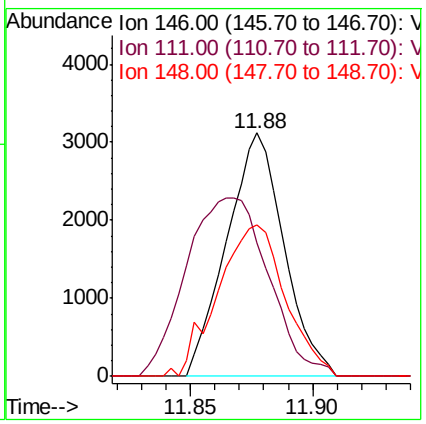


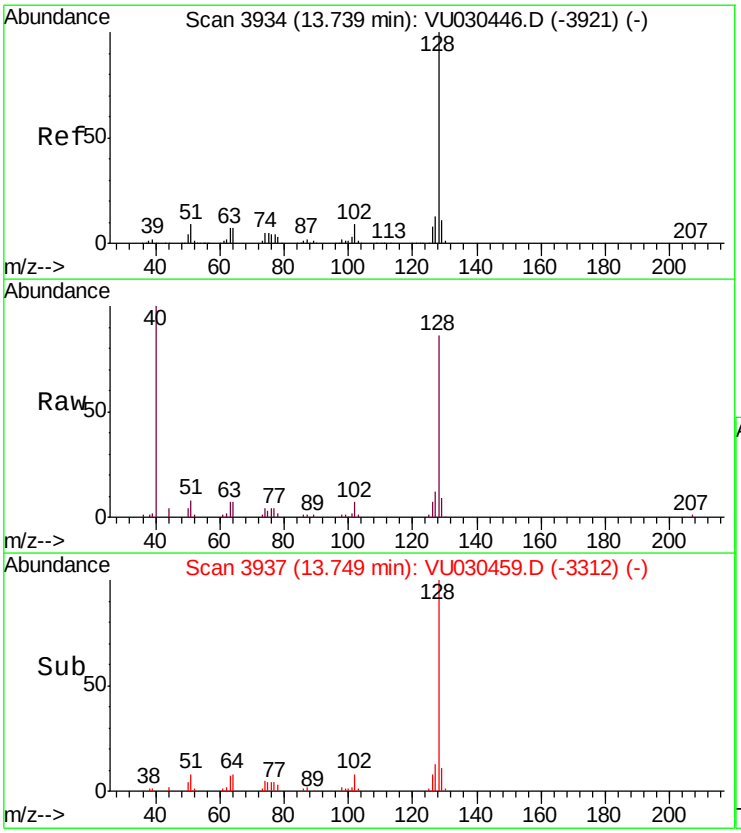
#65
1,2-Dichlorobenzene
Concen: 0.825 ug/L
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Instrument : MSVOA_U
ClientSampleId : DB6R6DL

Tgt Ion:146 Resp: 5091

Ion	Ratio	Lower	Upper
146	100		
111	55.1	34.9	52.3#
148	62.3	51.2	76.8





#69
Naphthalene
Concen: 3.899 ug/L
RT: 13.75 min Scan# 3937
Delta R.T. 0.01 min
Lab File: VU030459.D
Acq: 26 Mar 2019 21:27

Tgt Ion:128 Resp: 55055

Ion	Ratio	Lower	Upper
128	100		
127	10.0	10.4	15.6#
129	8.6	8.4	12.6