Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU103119\
Data File : VU035567.D
Acq On : 30 Oct 2019 17:51
Operator : JC/SP
Sample : K5538-01DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1DL

Quant Time: Oct 31 00:26:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 00:14:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	659443	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	628408	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	234920	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.62	65	236856	44.47	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 88.94%			
7) Chloroethane-d5	1.93	69	202533	47.62	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.24%			
11) 1,1-Dichloroethene-d2	2.59	63	291689	35.22	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 70.44%			
21) 2-Butanone-d5	4.69	46	358622	115.27	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 115.27%			
24) Chloroform-d	5.11	84	401121	48.76	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.52%			
26) 1,2-Dichloroethane-d4	5.75	65	256154	50.84	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.68%			
32) Benzene-d6	5.77	84	852864	52.06	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.12%			
36) 1,2-Dichloropropane-d6	6.74	67	279718	52.66	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 105.32%			
41) Toluene-d8	7.93	98	772623	50.01	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.02%			
43) trans-1,3-Dichloropropene-	8.22	79	127122	51.95	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 103.90%			
47) 2-Hexanone-d5	8.68	63	229533	112.74	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 112.74%			
57) 1,1,2,2-Tetrachloroethane-	10.79	84	377732	50.00	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 100.00%			
64) 1,2-Dichlorobenzene-d4	12.22	152	246191	51.96	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.92%			
Target Compounds						Qvalue
5) Vinyl chloride	1.62	62	33085	5.486	ug/L #	78
13) Acetone	2.67	43	33090	12.089	ug/L	99
19) 1,1-Dichloroethane	3.93	63	18887	2.308	ug/L	94
20) cis-1,2-Dichloroethene	4.72	96	116244	24.295	ug/L	99
22) 2-Butanone	4.78	43	10656	2.949	ug/L	92
29) Cyclohexane	5.43	56	6683	1.043	ug/L	97
33) Benzene	5.82	78	459170	25.999	ug/L	100
35) Methylcyclohexane	6.80	83	8017	1.229	ug/L	98
42) Toluene	8.01	91	1090243	58.900	ug/L	100
52) Ethylbenzene	9.60	91	210135	10.619	ug/L	98
53) m,p-Xylene	9.73	106	248453	33.460	ug/L	98
54) o-xylene	10.13	106	166523	22.945	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	17684	2.344	ug/L	98

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

Quantitation Report (QT/LSC Reviewed)

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Sample : K5538-01DL 5X
Misc : 5.0mL/MSVOA_U/WATER
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Instrument :
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ClientSampleId :
BF6M1DL

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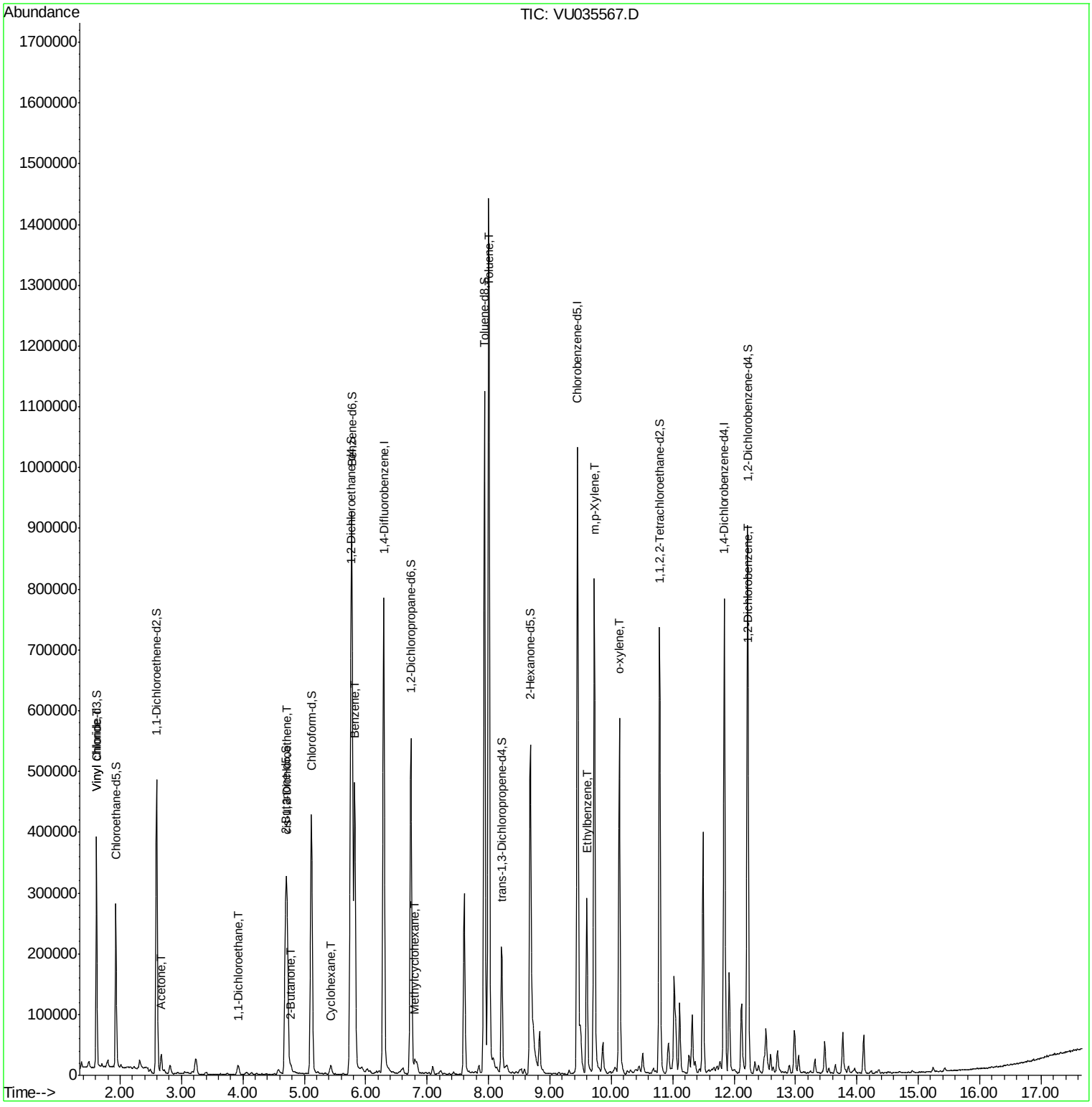
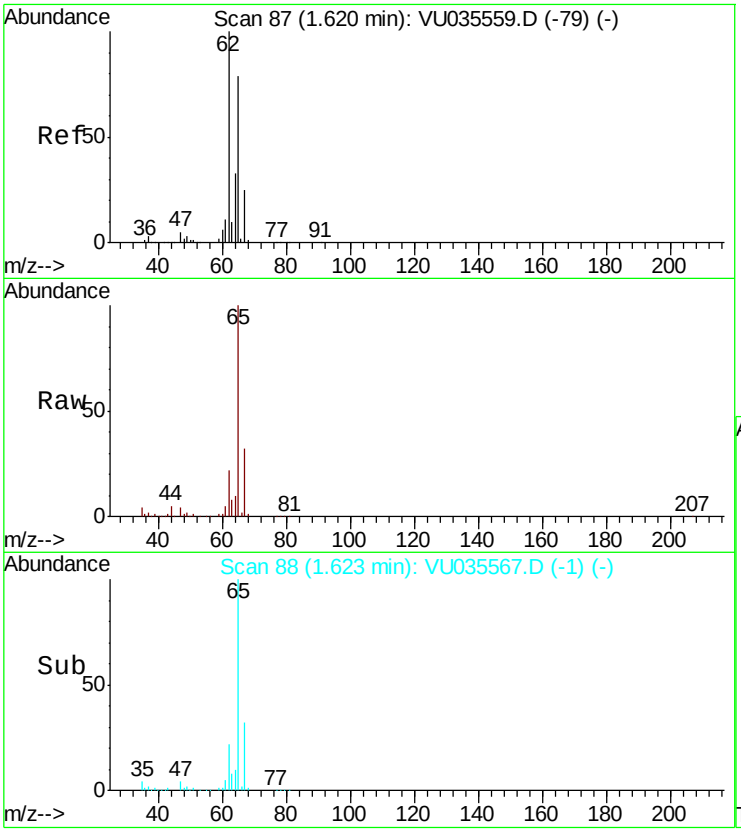
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 00:14:38 2019
Response via : Initial Calibration



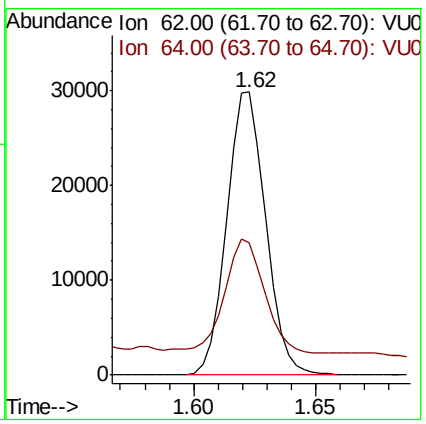


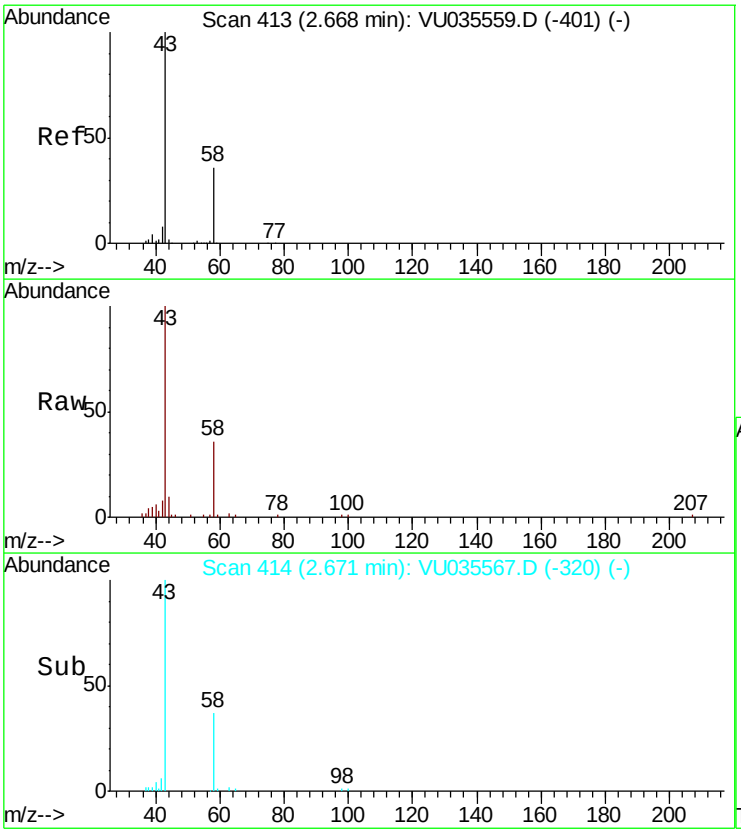
#5
Vinyl chloride
Concen: 5.486 ug/L
RT: 1.62 min Scan# 88
Delta R.T. 0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Instrument :
MSVOA_U
ClientSampleId :
BF6M1DL

Tgt Ion: 62 Resp: 33085

Ion	Ratio	Lower	Upper
62	100		
64	46.6	23.7	43.9#

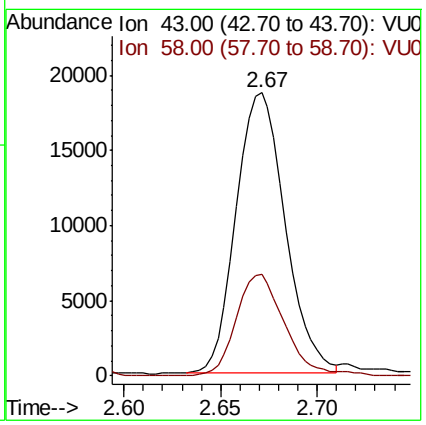


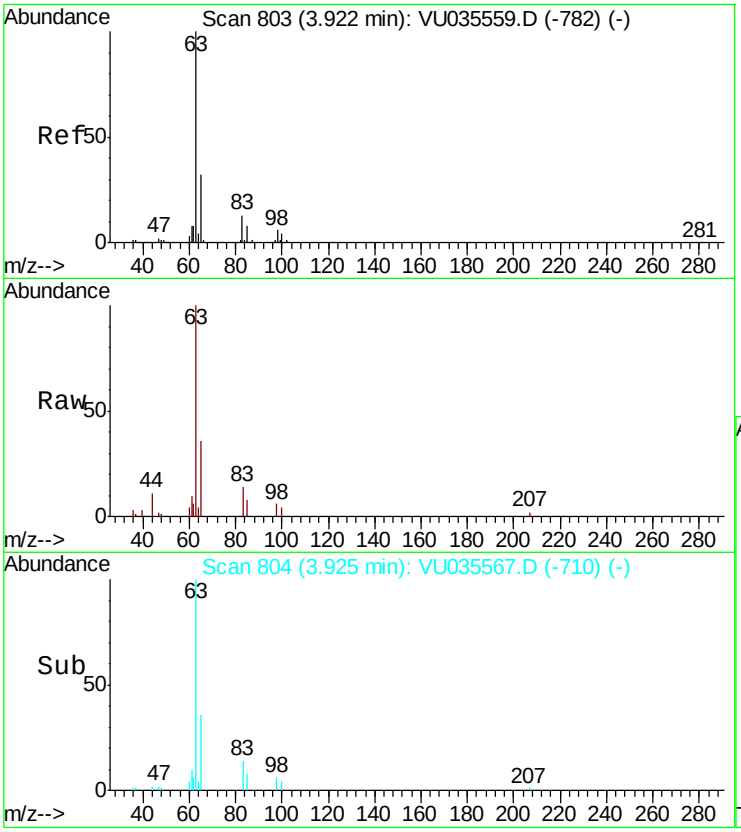


#13
Acetone
Concen: 12.089 ug/L
RT: 2.67 min Scan# 414
Delta R.T. 0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Tgt Ion: 43 Resp: 33090

Ion	Ratio	Lower	Upper
43	100		
58	35.7	0.0	70.0



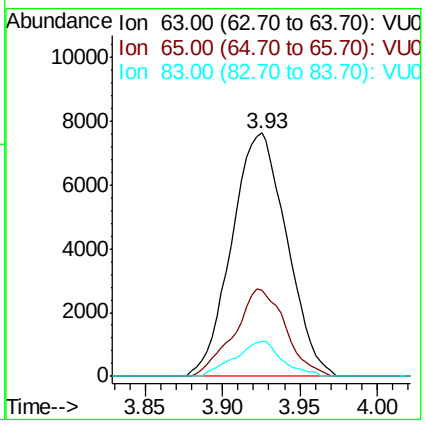


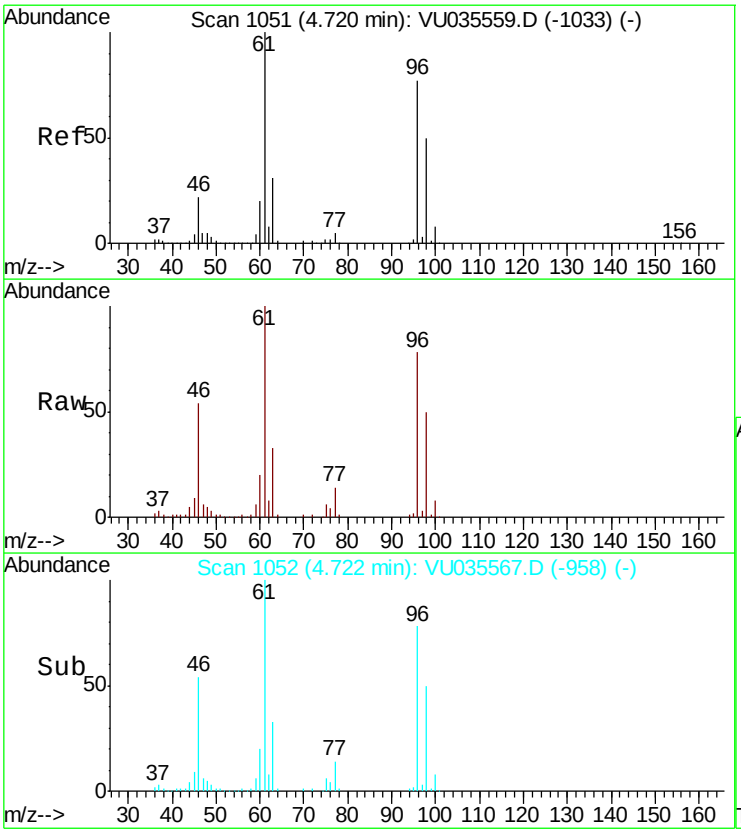
#19
1,1-Dichloroethane
Concen: 2.308 ug/L
RT: 3.93 min Scan# 804
Delta R.T. 0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Instrument : MSVOA_U
ClientSampleId : BF6M1DL

Tgt Ion: 63 Resp: 18887

Ion	Ratio	Lower	Upper
63	100		
65	35.6	22.1	41.1
83	14.3	9.1	16.9

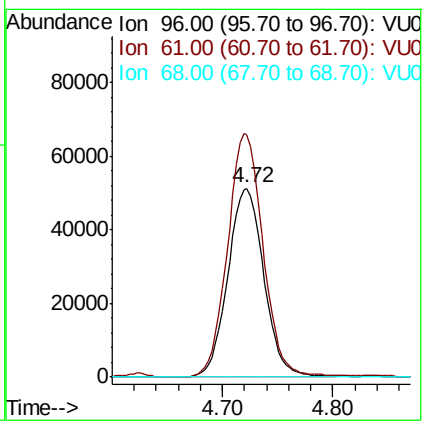


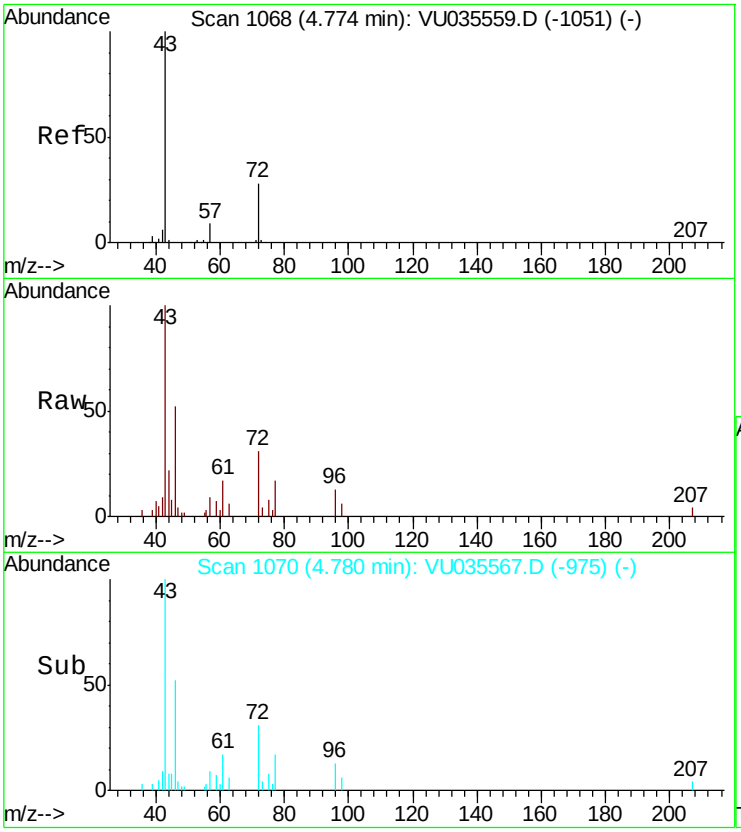


#20
cis-1,2-Dichloroethene
Concen: 24.295 ug/L
RT: 4.72 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Tgt Ion: 96 Resp: 116244

Ion	Ratio	Lower	Upper
96	100		
61	128.0	90.6	168.3
68	0.0	0.0	0.0



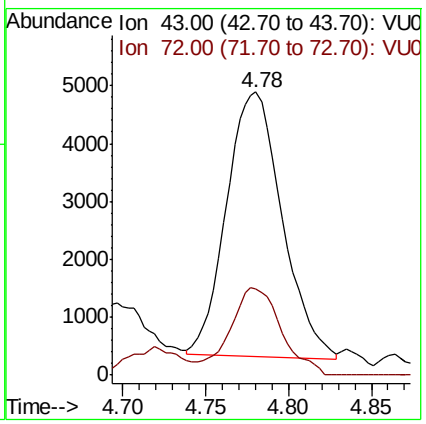


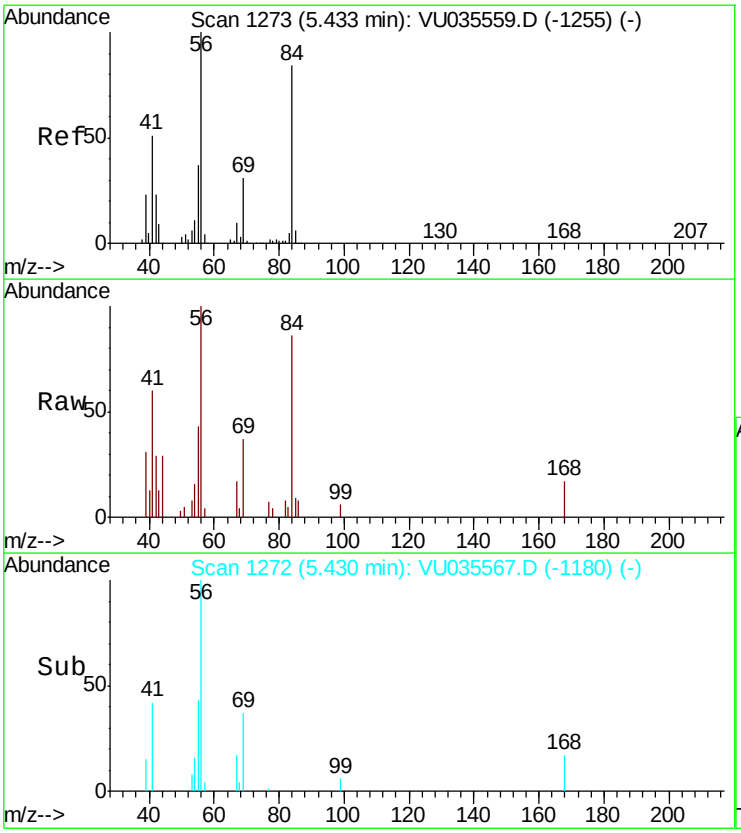
#22
2-Butanone
Concen: 2.949 ug/L
RT: 4.78 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Instrument : MSVOA_U
ClientSampleId : BF6M1DL

Tgt Ion: 43 Resp: 10656

Ion	Ratio	Lower	Upper
43	100		
72	30.9	13.5	40.4

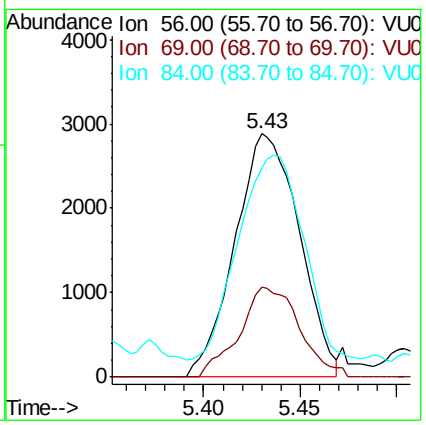


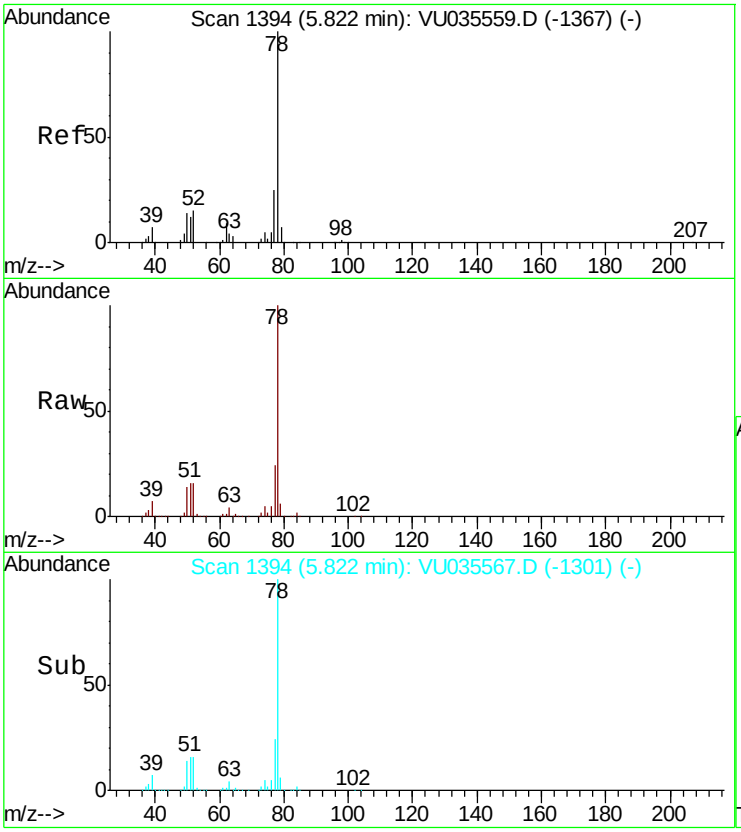


#29
Cyclohexane
Concen: 1.043 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Tgt Ion: 56 Resp: 6683

Ion	Ratio	Lower	Upper
56	100		
69	34.2	24.4	36.6
84	84.2	68.6	102.8

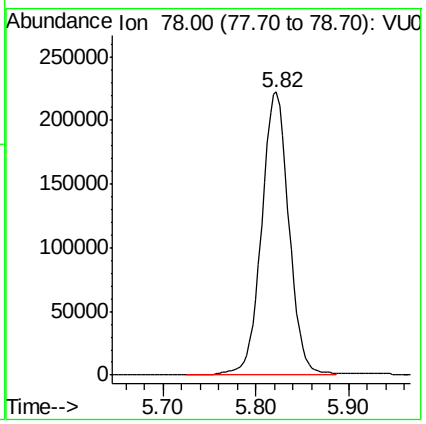


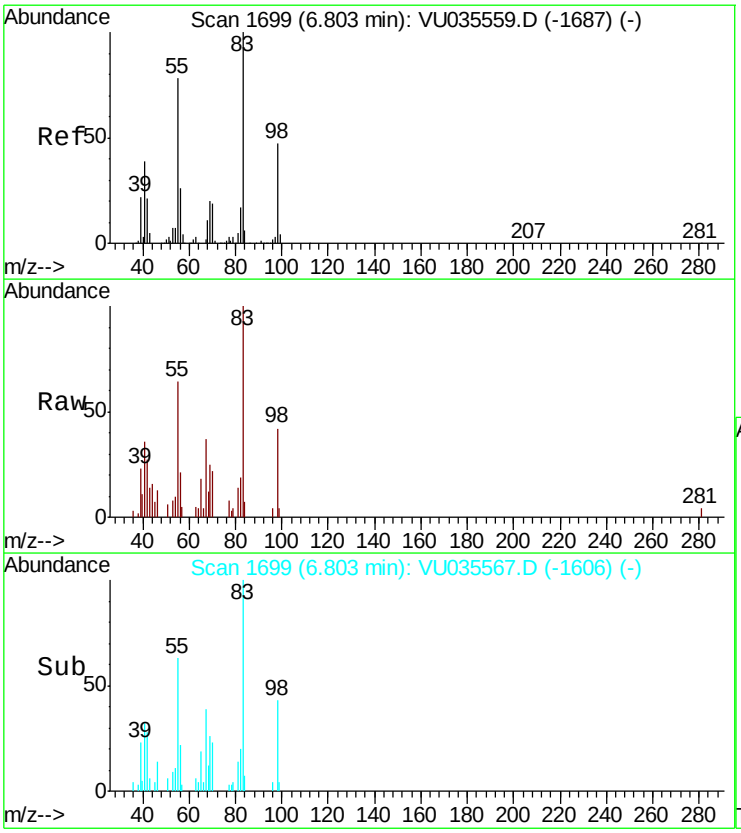


#33
Benzene
Concen: 25.999 ug/L
RT: 5.82 min Scan# 1394
Delta R.T. -0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Instrument :
MSVOA_U
ClientSampleId :
BF6M1DL

Tgt Ion: 78 Resp: 459170

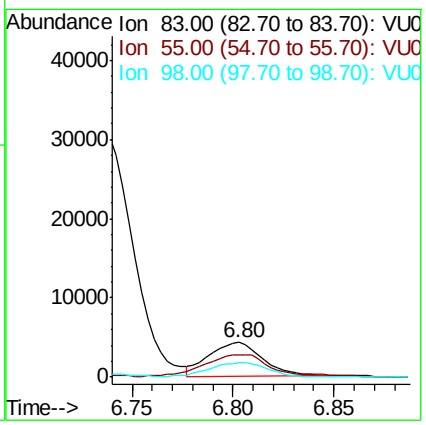


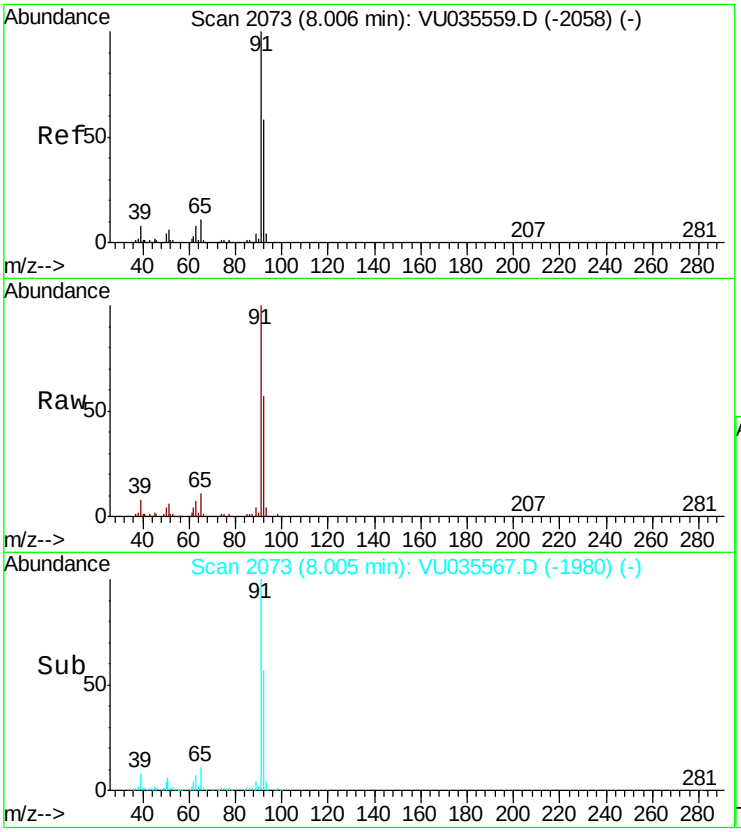


#35
Methylcyclohexane
Concen: 1.229 ug/L
RT: 6.80 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Tgt Ion: 83 Resp: 8017

Ion	Ratio	Lower	Upper
83	100		
55	78.9	61.0	91.4
98	46.5	36.6	54.8



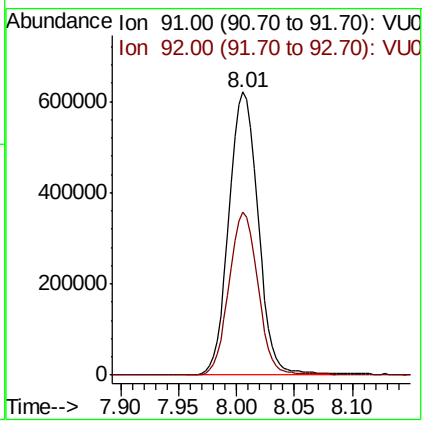


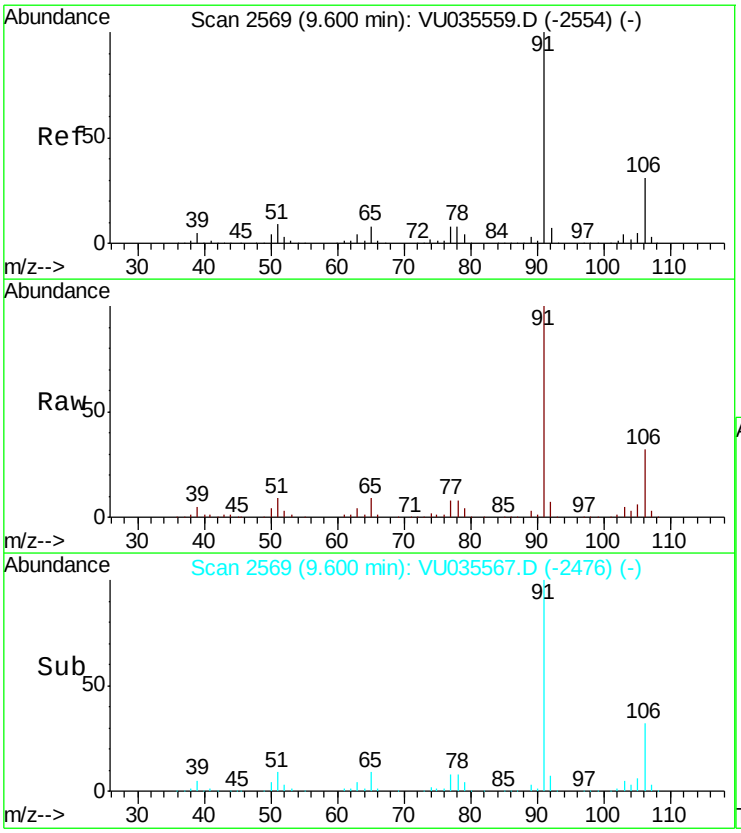
#42
Toluene
Concen: 58.900 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Instrument :
MSVOA_U
ClientSampleId :
BF6M1DL

Tgt Ion: 91 Resp: 1090243

Ion	Ratio	Lower	Upper
91	100		
92	57.5	40.5	75.1

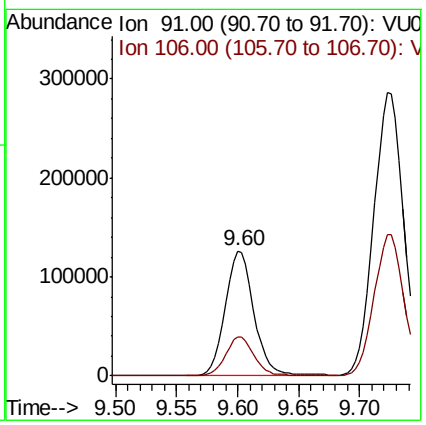


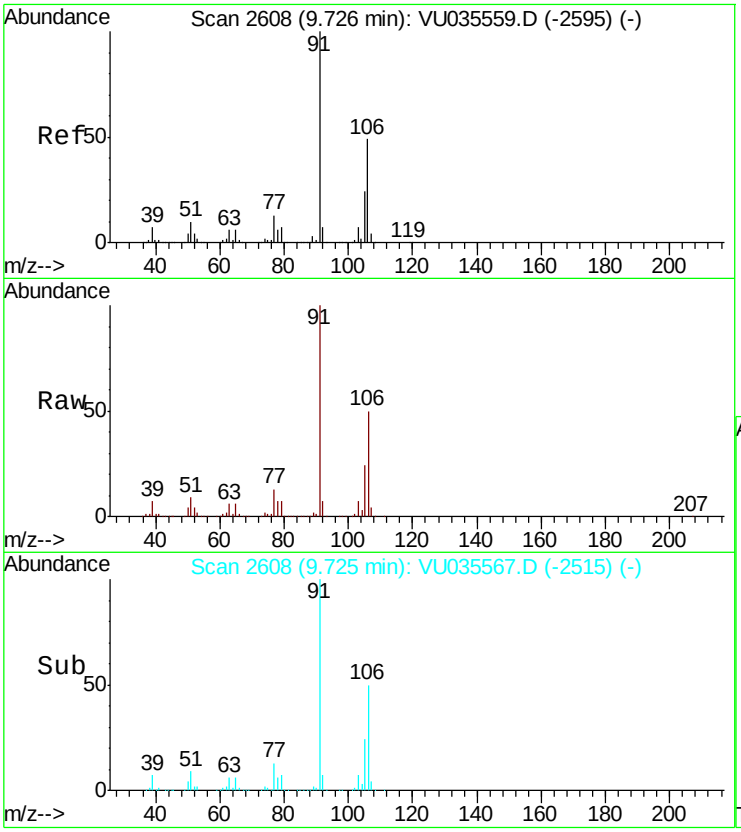


#52
Ethylbenzene
Concen: 10.619 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Tgt Ion: 91 Resp: 210135

Ion	Ratio	Lower	Upper
91	100		
106	31.7	21.6	40.0



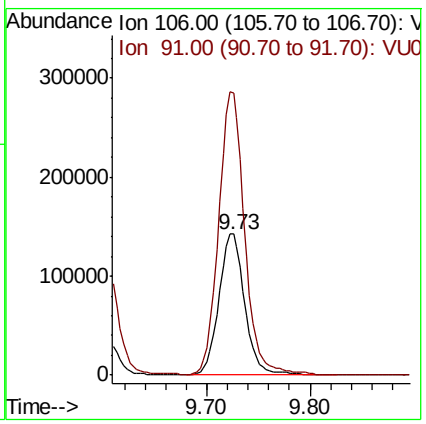


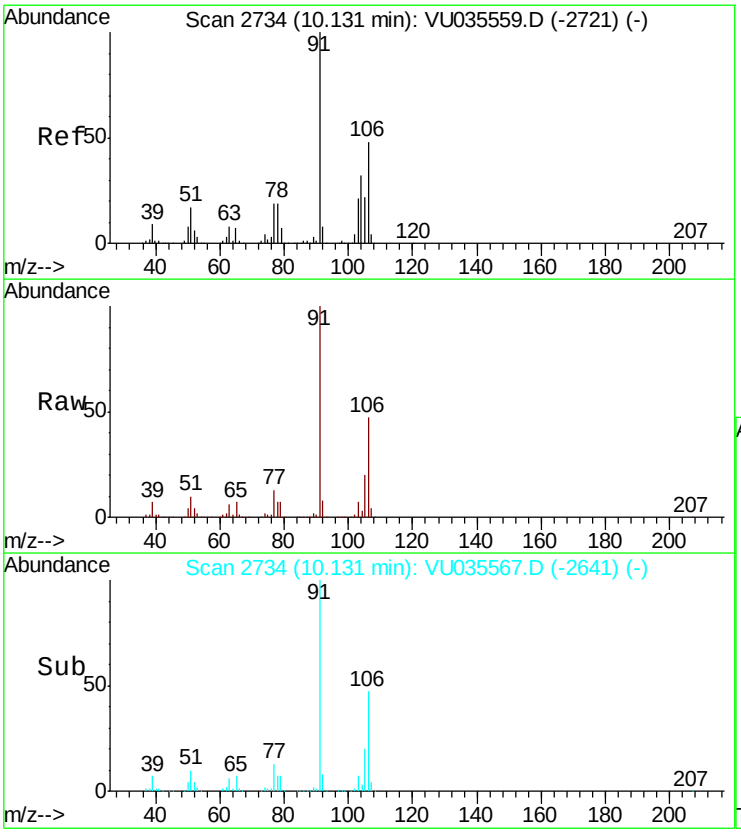
#53
m,p-Xylene
Concen: 33.460 ug/L
RT: 9.73 min Scan# 2608
Delta R.T. -0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Instrument :
MSVOA_U
ClientSampleId :
BF6M1DL

Tgt Ion:106 Resp: 248453

Ion	Ratio	Lower	Upper
106	100		
91	200.1	142.7	264.9

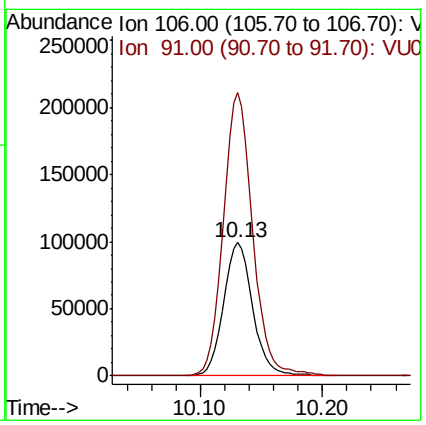


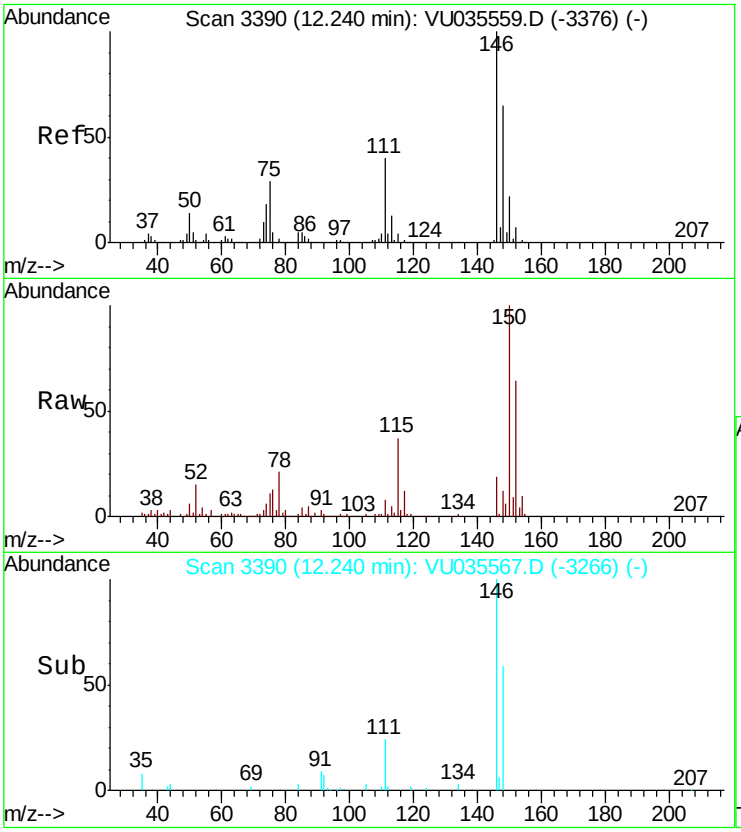


#54
o-xylene
Concen: 22.945 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Tgt Ion:106 Resp: 166523

Ion	Ratio	Lower	Upper
106	100		
91	212.5	147.1	273.1





#65
1,2-Dichlorobenzene
Concen: 2.344 ug/L
RT: 12.24 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VU035567.D
Acq: 30 Oct 2019 17:51

Instrument :
MSVOA_U
ClientSampleId :
BF6M1DL

Tgt Ion:146 Resp: 17684

Ion	Ratio	Lower	Upper
146	100		
111	42.0	32.4	48.6
148	63.8	51.8	77.6