Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\

Quantitation Report (Not Reviewed)

Data File : VU033318.D
Acq On : 18 Jul 2019 14:46
Operator : JC/SP
Sample : K3831-01
Misc : 16.92g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Time: Jul 19 01:48:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	384183	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	383589	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	223374	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	126730	43.58	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.16%			
7) Chloroethane-d5	1.63	69	98754	39.75	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 79.50%			
11) 1,1-Dichloroethene-d2	2.22	63	212767	40.33	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery = 80.66%			
21) 2-Butanone-d5	4.16	46	195036	105.84	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery = 105.84%			
24) Chloroform-d	4.62	84	222291	45.61	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.22%			
26) 1,2-Dichloroethane-d4	5.28	65	143511	45.91	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.82%			
32) Benzene-d6	5.31	84	477518	50.74	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.48%			
36) 1,2-Dichloropropane-d6	6.31	67	149954	49.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 99.50%			
41) Toluene-d8	7.55	98	485782	54.74	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.48%			
43) trans-1,3-Dichloropropene-	7.83	79	80881	54.72	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 109.44%			
47) 2-Hexanone-d5	8.31	63	164135	120.78	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery = 120.78%			
57) 1,1,2,2-Tetrachloroethane-	10.42	84	244600	53.61	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 107.22%			
64) 1,2-Dichlorobenzene-d4	11.85	152	215219	54.03	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.06%			

Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.22	101	1861	0.710	ug/L #	21
12) 1,1-Dichloroethene	2.23	96	1740	0.679	ug/L #	1
13) Acetone	2.32	43	2851	1.238	ug/L	89
15) Methyl Acetate	2.61	43	4388	1.459	ug/L	98
29) Cyclohexane	4.95	56	225522	53.955	ug/L #	75
34) Trichloroethene	6.20	95	6126	2.094	ug/L #	22
35) Methylcyclohexane	6.39	83	625991	139.682	ug/L	93
38) Bromodichloromethane	6.68	83	15631	3.994	ug/L #	72
39) cis-1,3-Dichloropropene	7.21	75	4853	1.043	ug/L #	1
40) 4-Methyl-2-pentanone	7.50	43	44909	11.035	ug/L #	50
42) Toluene	7.62	91	4379	0.363	ug/L	83
44) trans-1,3-Dichloropropene	7.83	75	3614	0.862	ug/L #	1
45) 1,1,2-Trichloroethane	8.03	97	119221	41.552	ug/L #	21
48) 2-Hexanone	8.31	43	146504	44.187	ug/L #	26
52) Ethylbenzene	9.23	91	450877	34.938	ug/L	100
53) m,p-Xylene	9.36	106	331381	67.793	ug/L	98
54) o-xylene	9.77	106	3058	0.630	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\

Quantitation Report (Not Reviewed)

Data File : VU033318.D
Acq On : 18 Jul 2019 14:46
Operator : JC/SP
Sample : K3831-01
Misc : 16.92g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Time: Jul 19 01:48:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
56) Isopropylbenzene	10.15	105	243188	19.471	ug/L		99
58) 1,1,2,2-Tetrachloroethane	10.48	83	24035	4.769	ug/L	#	38
59) 1,2,3-Trichloropropane	10.57	75	8164	2.067	ug/L	#	1
66) 1,2-Dibromo-3-chloropropan	12.64	75	8497	6.313	ug/L	#	4
69) Naphthalene	13.73	128	314421	22.592	ug/L	#	95

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

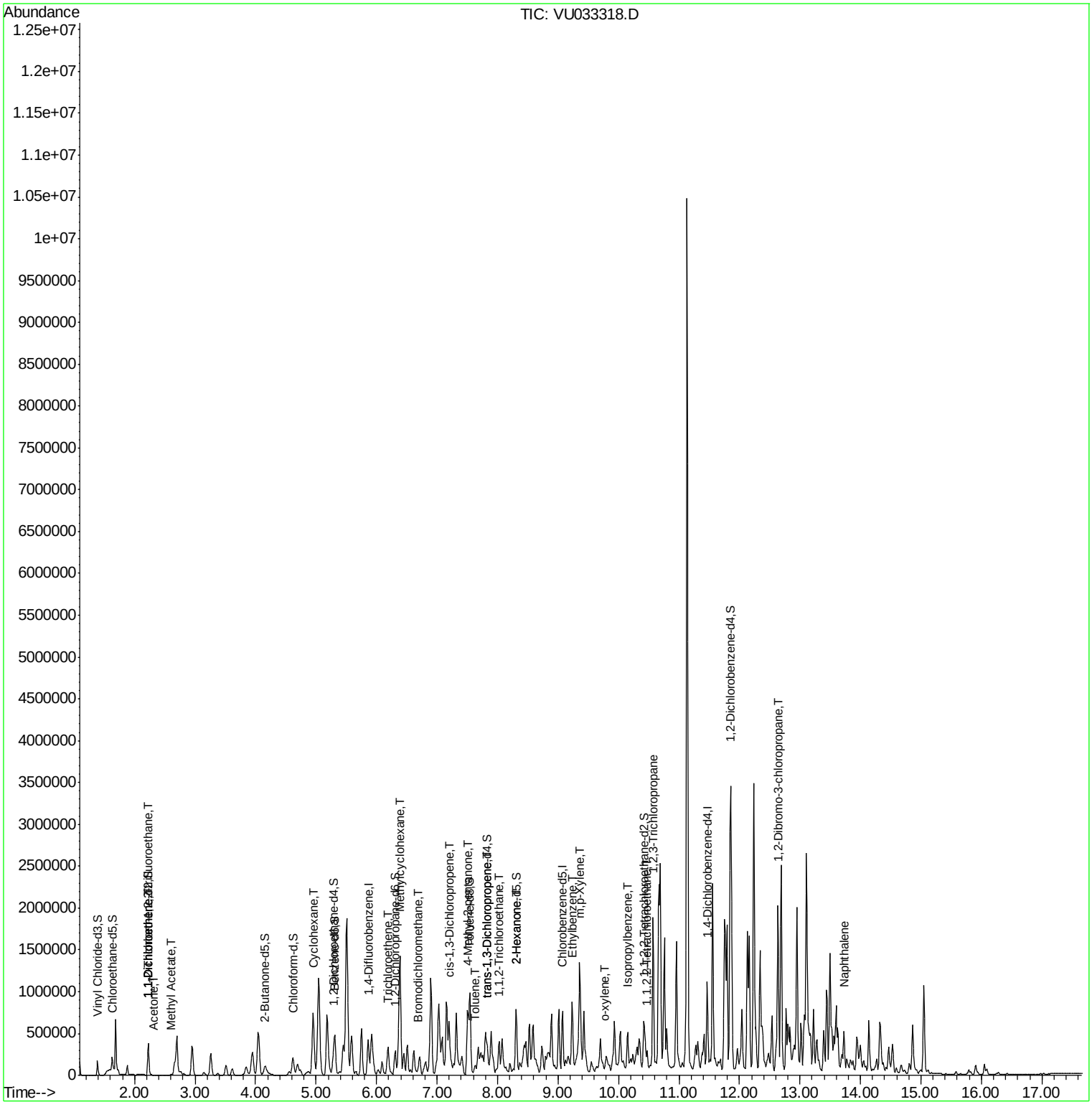
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\

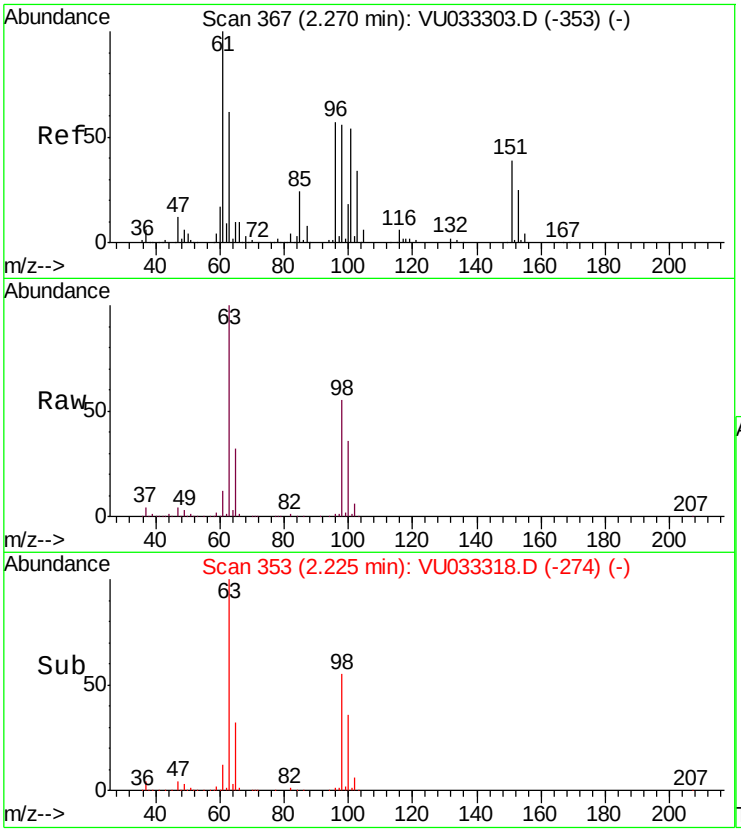
Quantitation Report (Not Reviewed)

Data File : VU033318.D
Acq On : 18 Jul 2019 14:46
Operator : JC/SP
Sample : K3831-01
Misc : 16.92g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Quant Time: Jul 19 01:48:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration



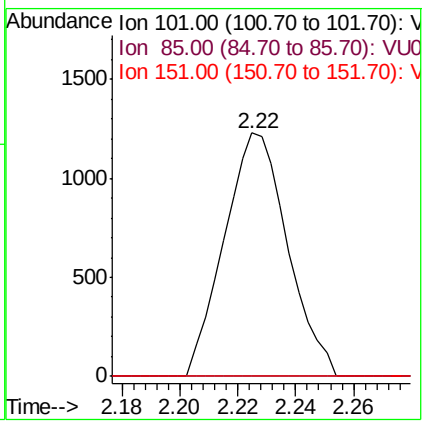


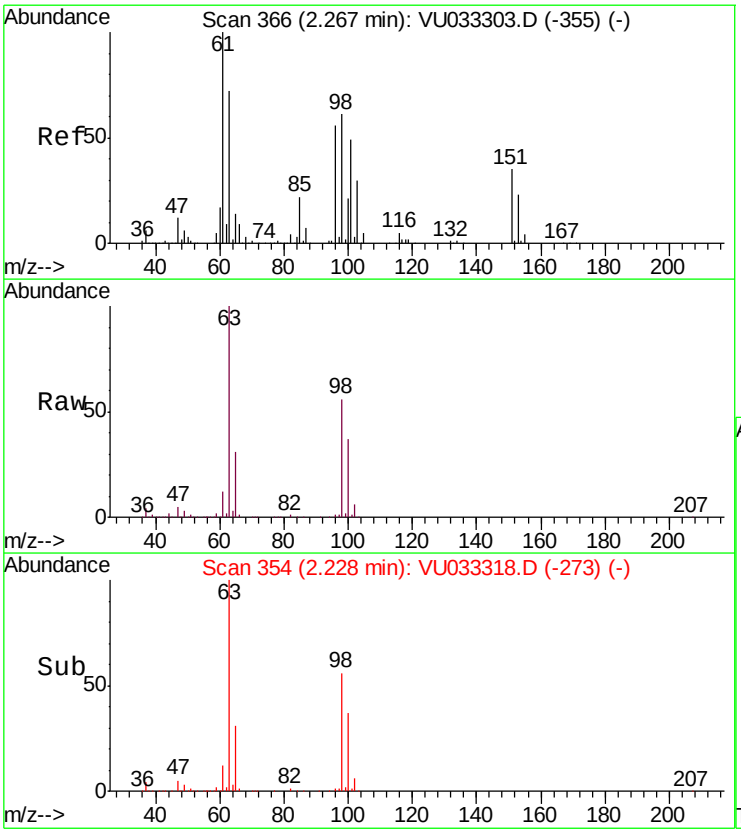
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.710 ug/L
RT: 2.22 min Scan# 353
Delta R.T. -0.05 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion:101 Resp: 1861

Ion	Ratio	Lower	Upper
101	100		
85	0.0	35.8	53.8#
151	0.0	56.7	85.1#

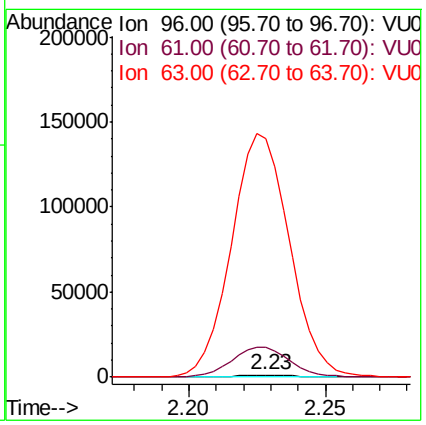


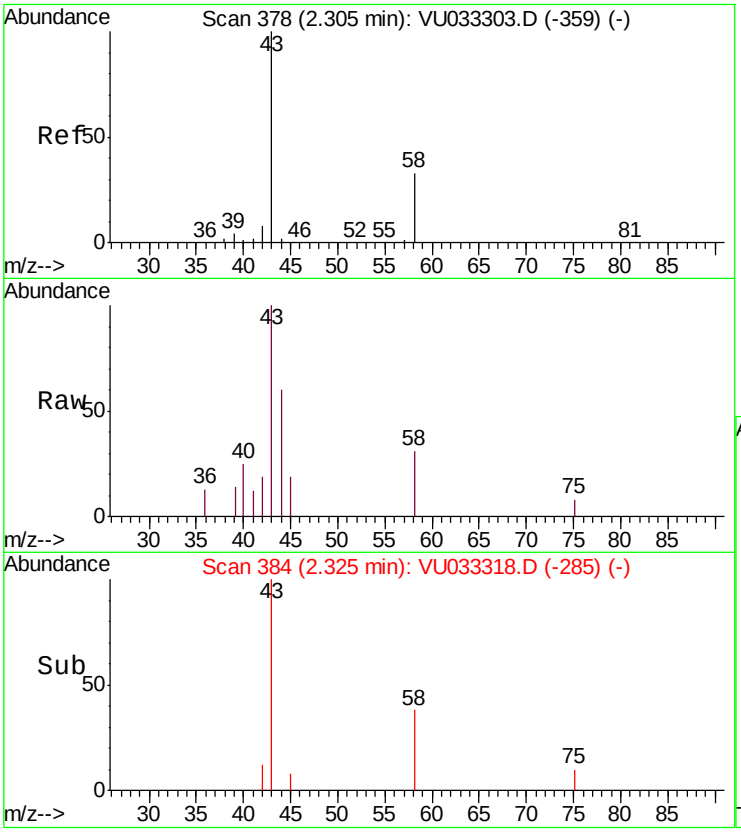


#12
1,1-Dichloroethene
Concen: 0.679 ug/L
RT: 2.23 min Scan# 354
Delta R.T. -0.04 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Tgt Ion: 96 Resp: 1740

Ion	Ratio	Lower	Upper
96	100		
61	1559.3	126.1	234.1#
63	12525.7	96.8	179.8#



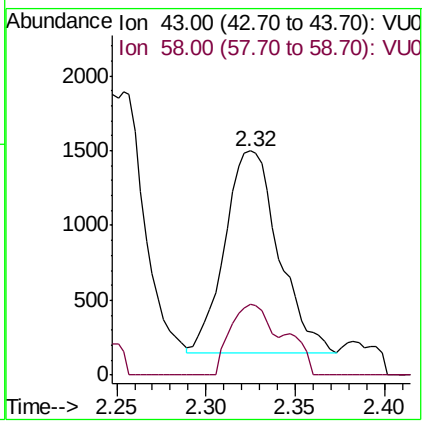


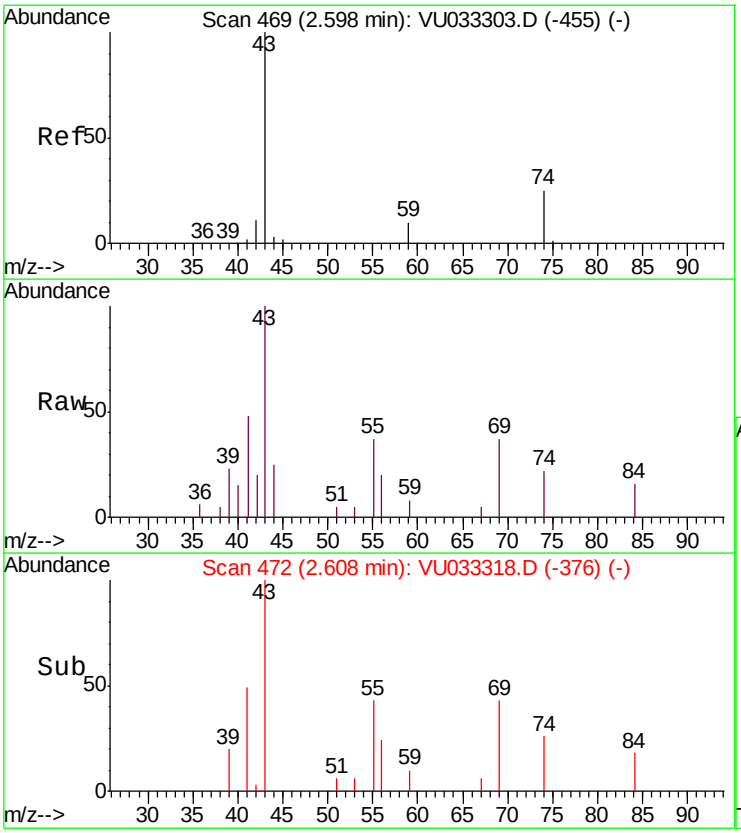
#13
Acetone
Concen: 1.238 ug/L
RT: 2.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 43 Resp: 2851

Ion	Ratio	Lower	Upper
43	100		
58	26.4	0.0	65.4

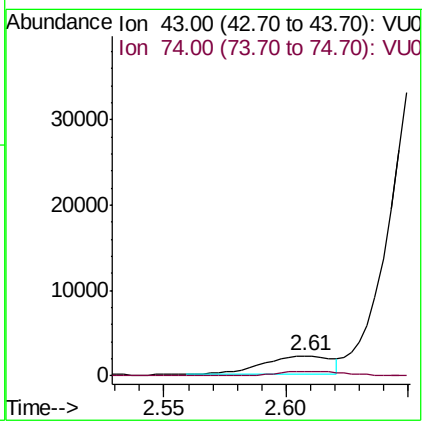


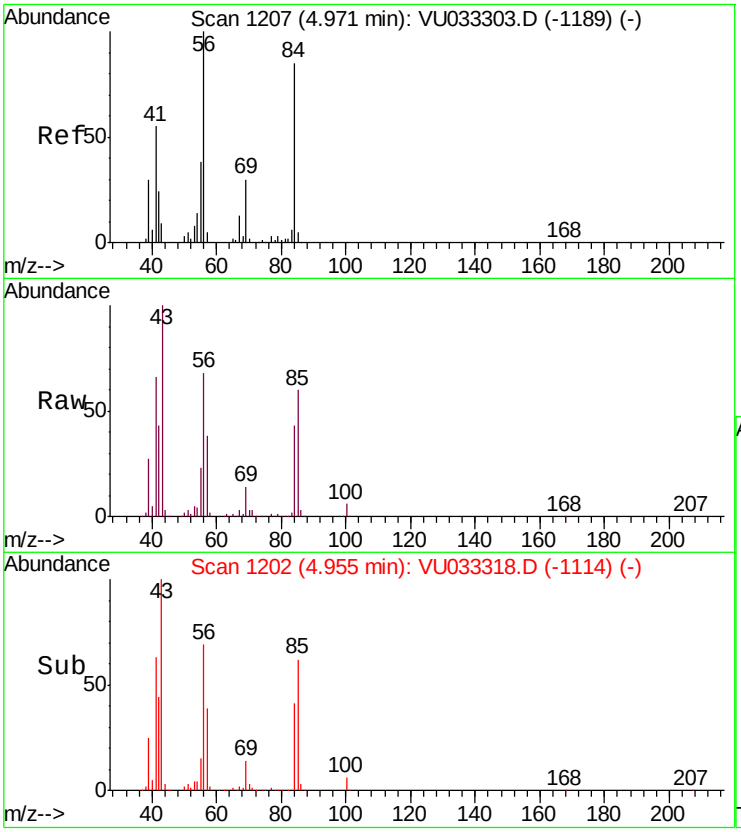


#15
Methyl Acetate
Concen: 1.459 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.01 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Tgt Ion: 43 Resp: 4388

Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.9	29.9



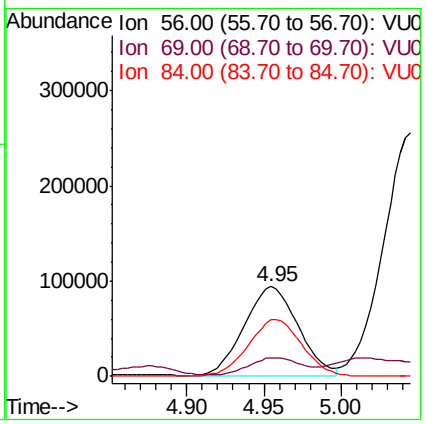


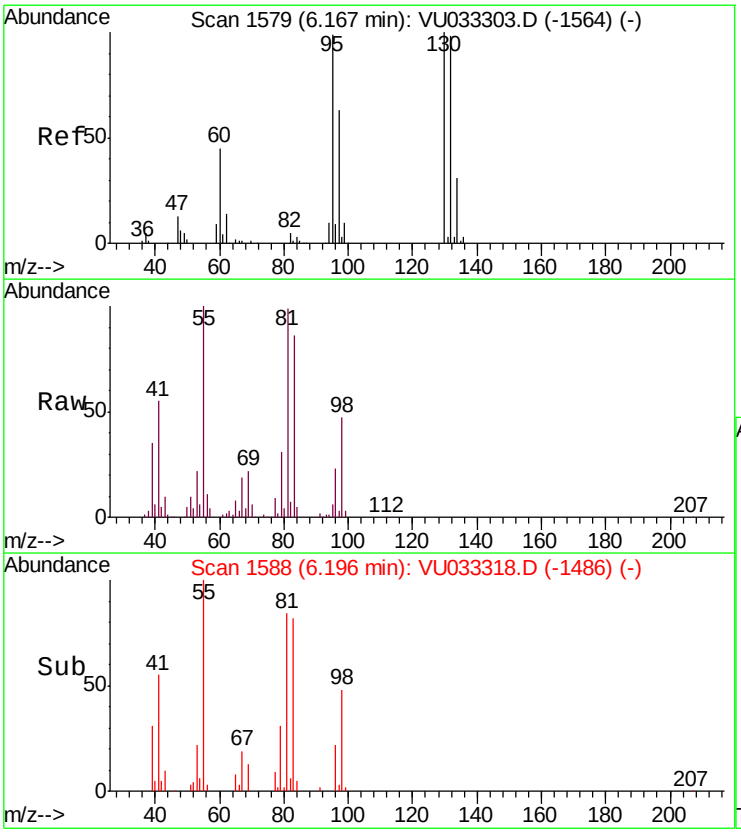
#29
Cyclohexane
Concen: 53.955 ug/L
RT: 4.95 min Scan# 1202
Delta R.T. -0.02 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 56 Resp: 225522

Ion	Ratio	Lower	Upper
56	100		
69	19.1	24.7	37.1#
84	63.6	70.2	105.2#

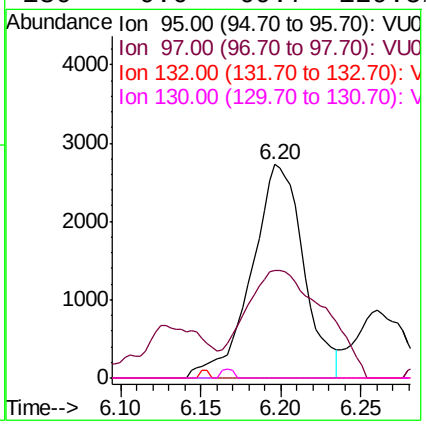


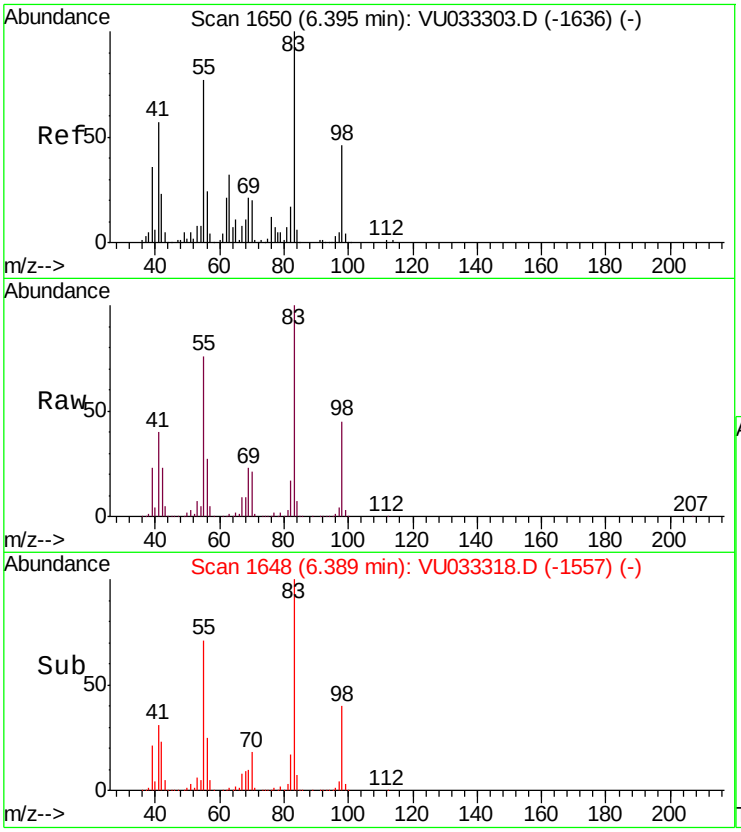


#34
Trichloroethene
Concen: 2.094 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. 0.03 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Tgt Ion: 95 Resp: 6126

Ion	Ratio	Lower	Upper
95	100		
97	50.3	43.8	81.4
132	0.0	65.5	121.6#
130	0.0	69.7	129.5#



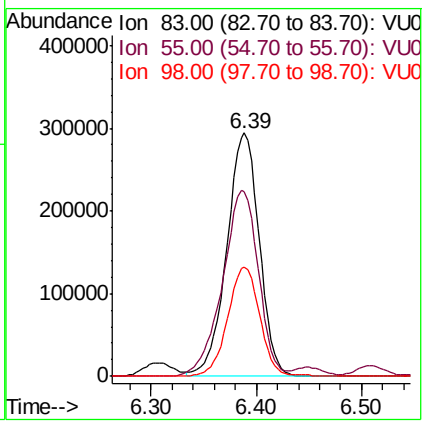


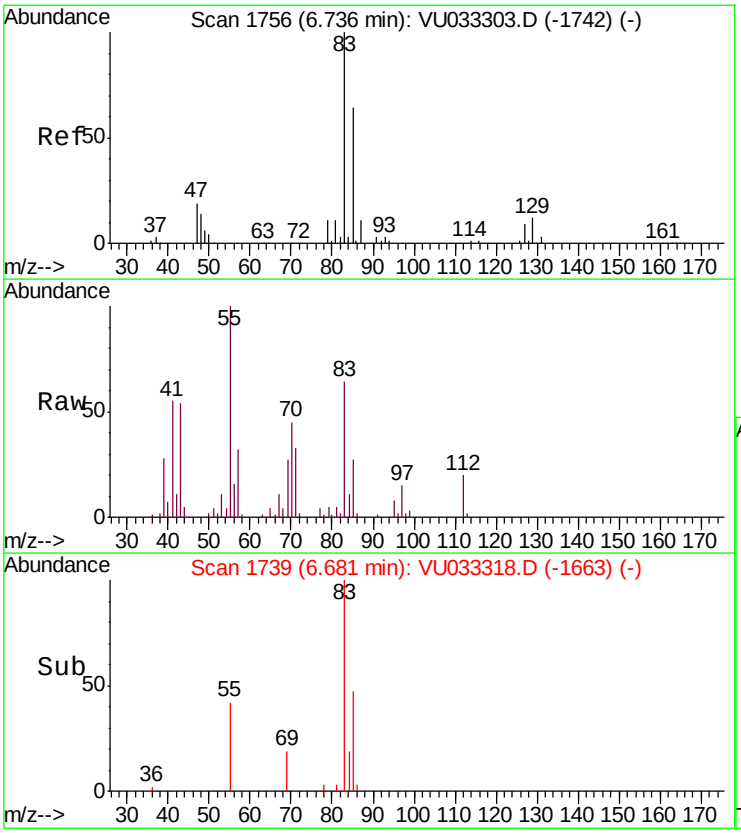
#35
Methylcyclohexane
Concen: 139.682 ug/L
RT: 6.39 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 83 Resp: 625991

Ion	Ratio	Lower	Upper
83	100		
55	84.1	60.5	90.7
98	44.5	37.4	56.0

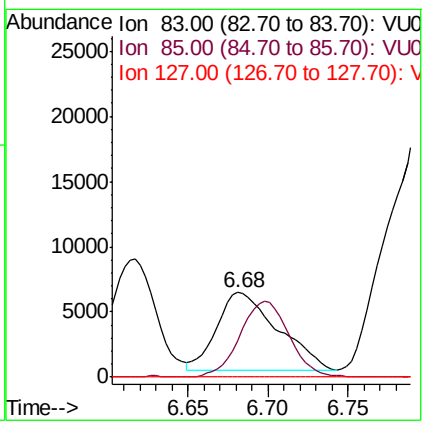


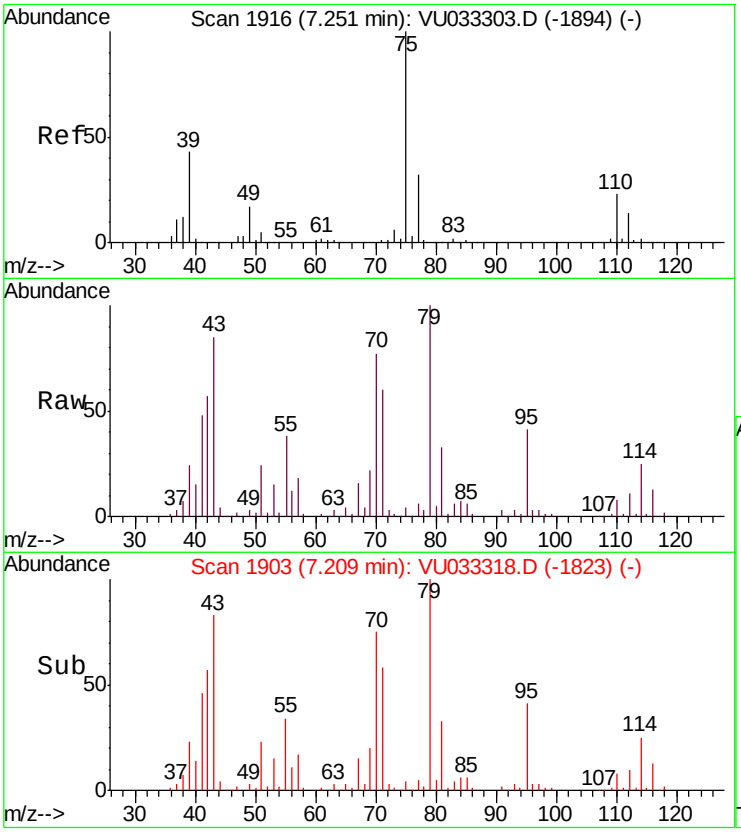


#38
Bromodichloromethane
Concen: 3.994 ug/L
RT: 6.68 min Scan# 1739
Delta R.T. -0.05 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Tgt Ion: 83 Resp: 15631

Ion	Ratio	Lower	Upper
83	100		
85	43.0	45.8	85.0#
127	0.0	6.8	10.2#



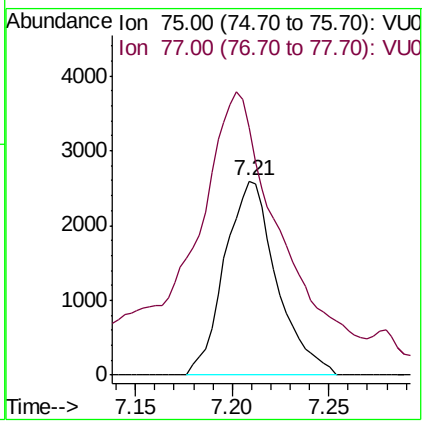


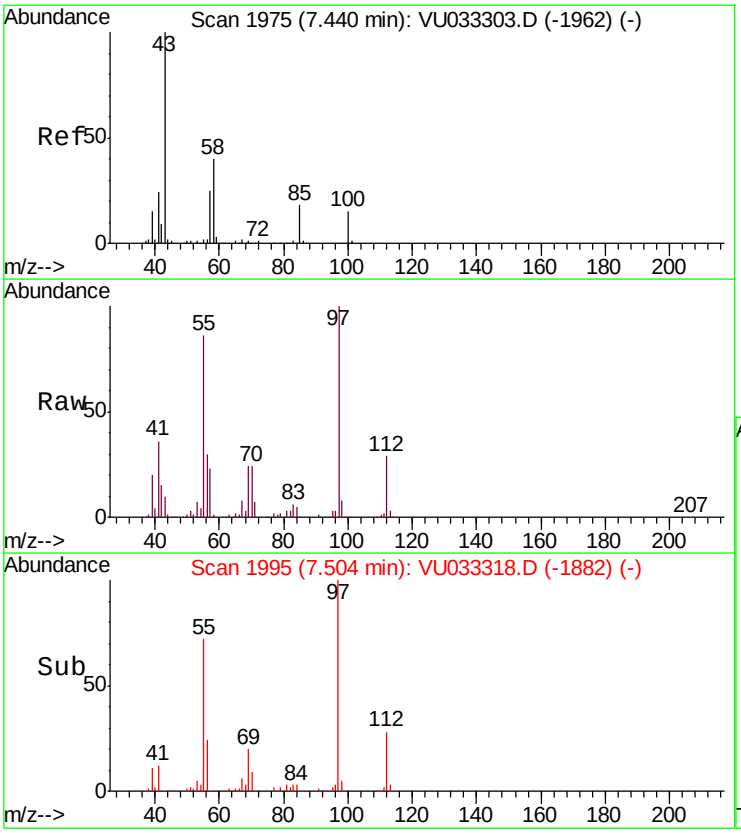
#39
cis-1,3-Dichloropropene
Concen: 1.043 ug/L
RT: 7.21 min Scan# 1903
Delta R.T. -0.04 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 75 Resp: 4853

Ion	Ratio	Lower	Upper
75	100		
77	127.5	23.1	42.9#

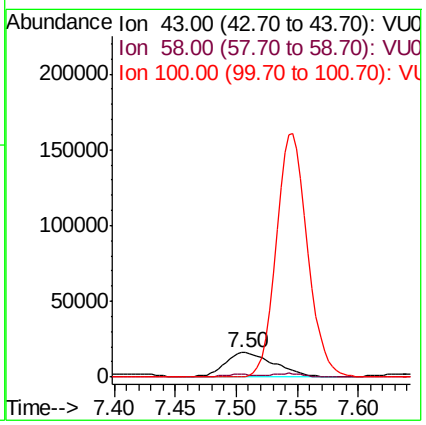


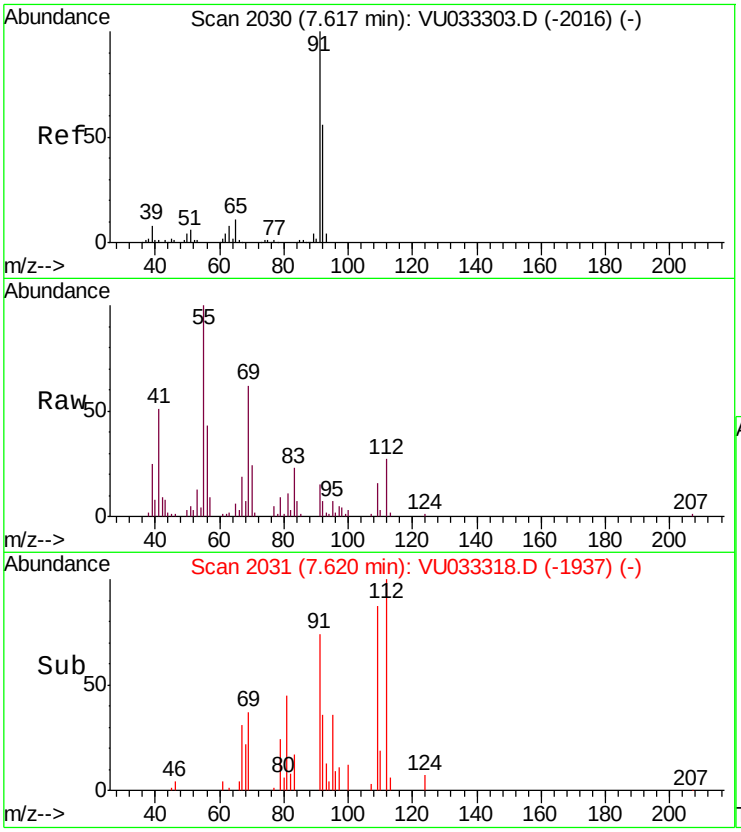


#40
4-Methyl-2-pentanone
Concen: 11.035 ug/L
RT: 7.50 min Scan# 1995
Delta R.T. 0.06 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Tgt Ion: 43 Resp: 44909

Ion	Ratio	Lower	Upper
43	100		
58	7.4	33.3	49.9#
100	0.0	12.1	18.1#



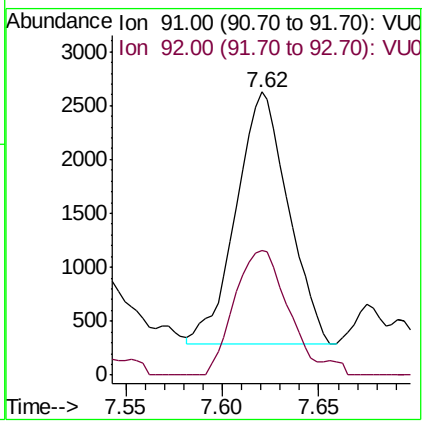


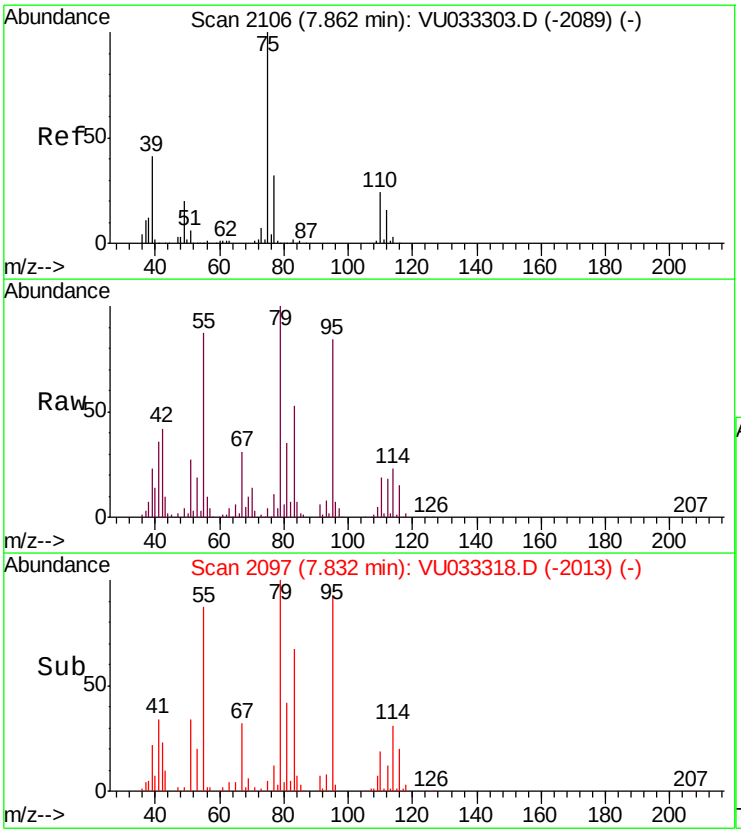
#42
Toluene
Concen: 0.363 ug/L
RT: 7.62 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 91 Resp: 4379

Ion	Ratio	Lower	Upper
91	100		
92	44.2	39.8	74.0

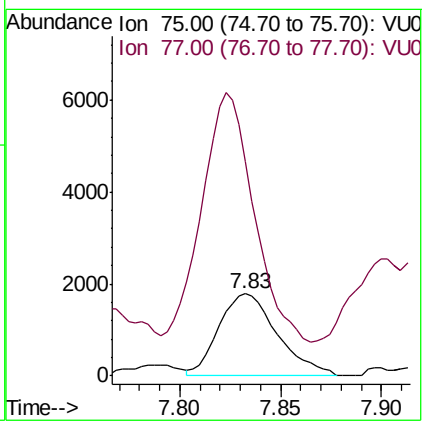


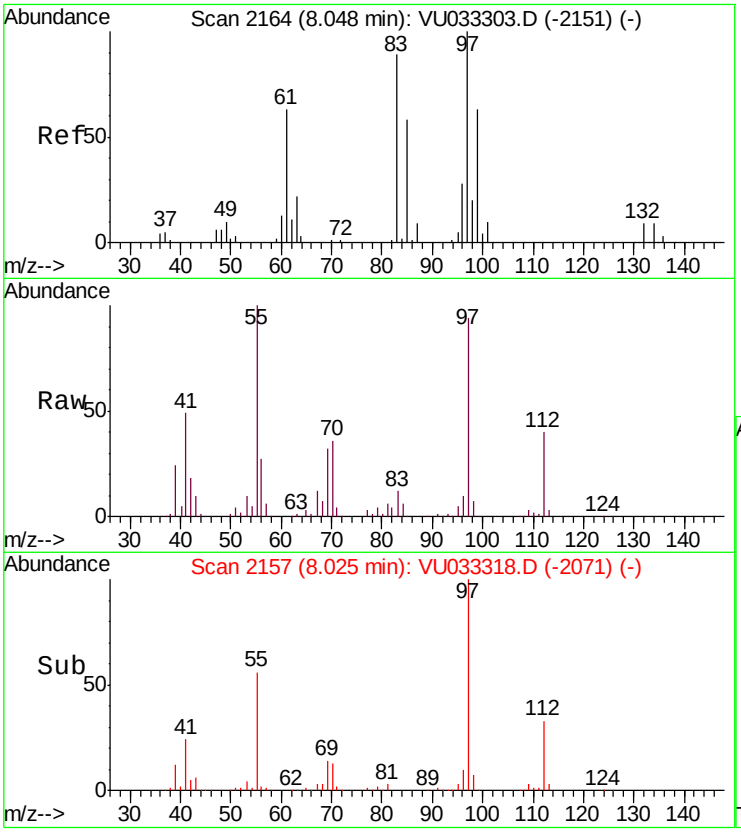


#44
trans-1,3-Dichloropropene
Concen: 0.862 ug/L
RT: 7.83 min Scan# 2097
Delta R.T. -0.03 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Tgt Ion: 75 Resp: 3614

Ion	Ratio	Lower	Upper
75	100		
77	259.8	22.4	41.6#



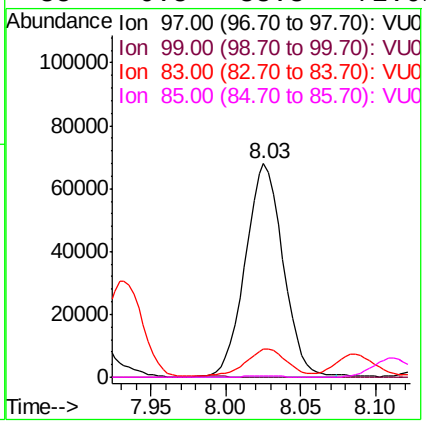


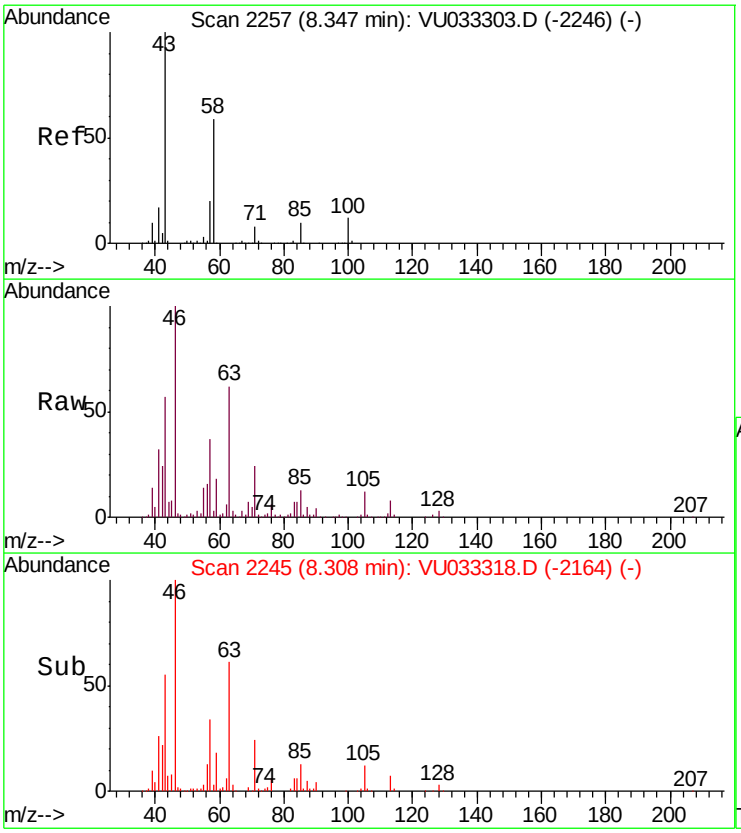
#45
1,1,2-Trichloroethane
Concen: 41.552 ug/L
RT: 8.03 min Scan# 2157
Delta R.T. -0.02 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 97 Resp: 119221

Ion	Ratio	Lower	Upper
97	100		
99	0.2	43.0	79.8#
83	13.0	61.5	114.3#
85	0.5	38.8	72.0#

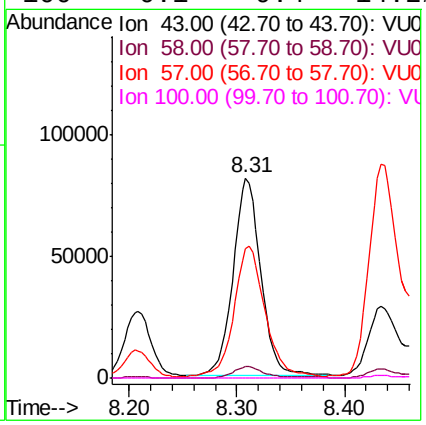


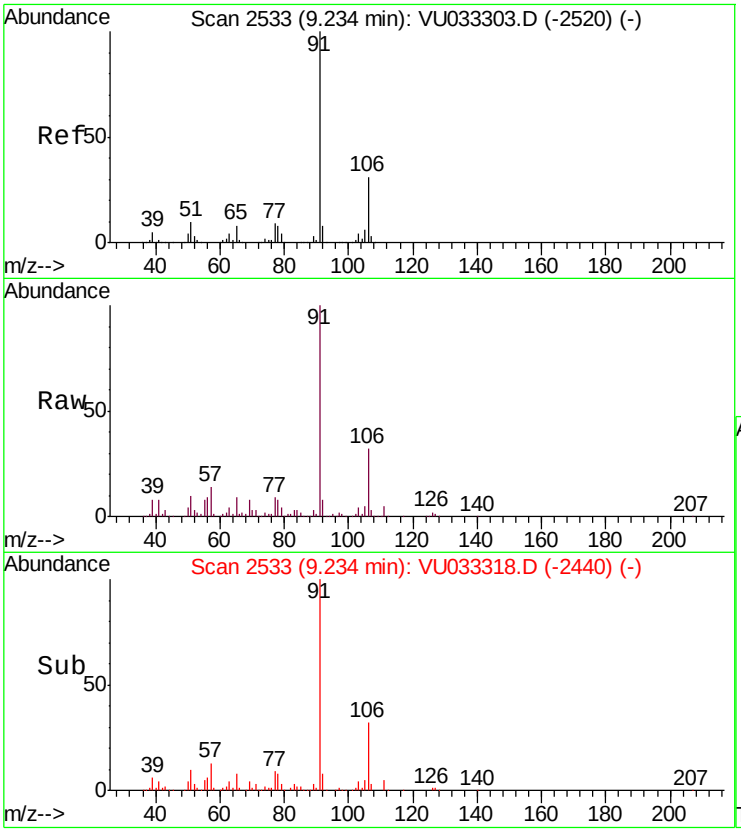


#48
2-Hexanone
Concen: 44.187 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.04 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Tgt Ion: 43 Resp: 146504

Ion	Ratio	Lower	Upper
43	100		
58	6.3	46.1	69.1#
57	71.8	15.8	23.8#
100	0.1	9.4	14.2#



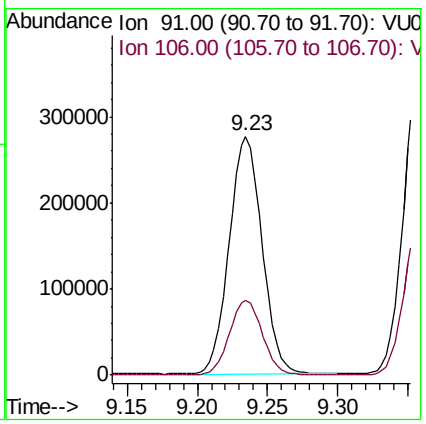


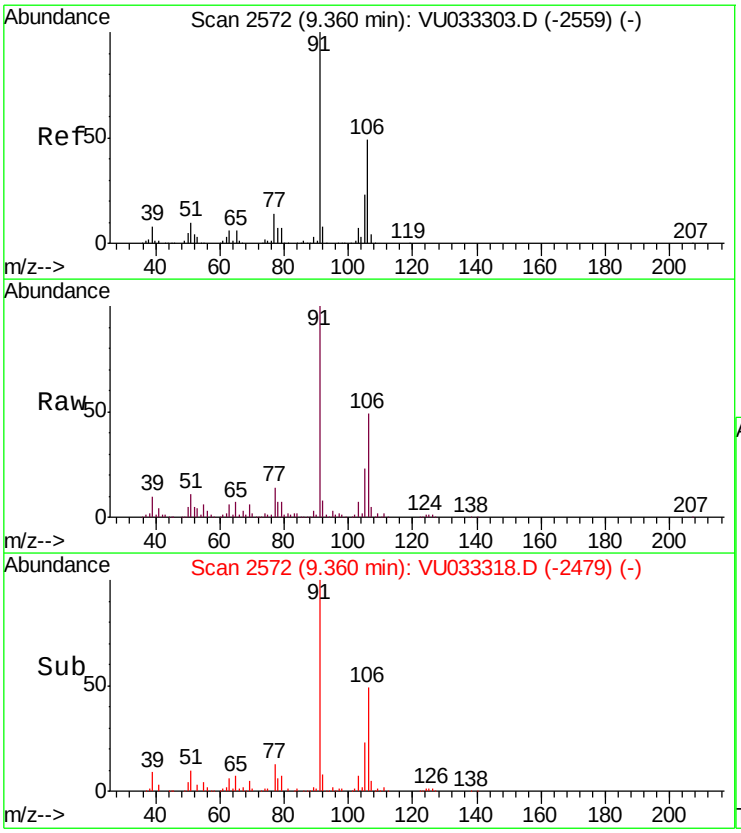
#52
Ethylbenzene
Concen: 34.938 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. -0.00 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 91 Resp: 450877

Ion	Ratio	Lower	Upper
91	100		
106	31.6	22.2	41.2

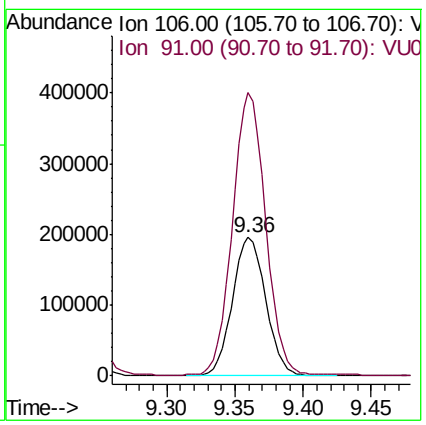


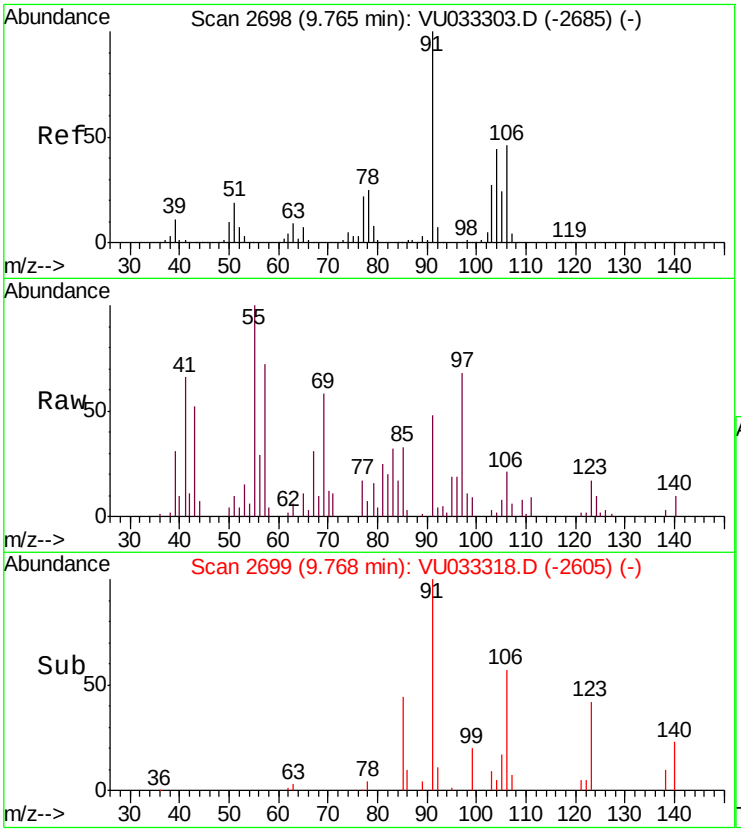


#53
m,p-Xylene
Concen: 67.793 ug/L
RT: 9.36 min Scan# 2572
Delta R.T. -0.00 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Tgt Ion:106 Resp: 331381

Ion	Ratio	Lower	Upper
106	100		
91	204.3	141.3	262.3



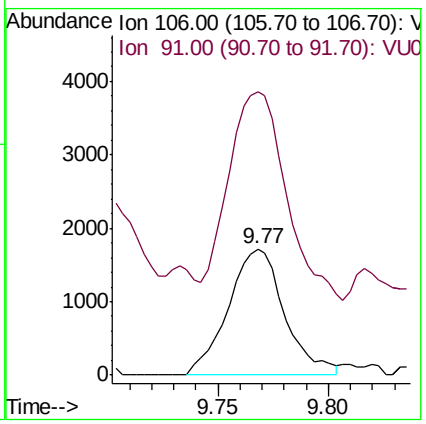


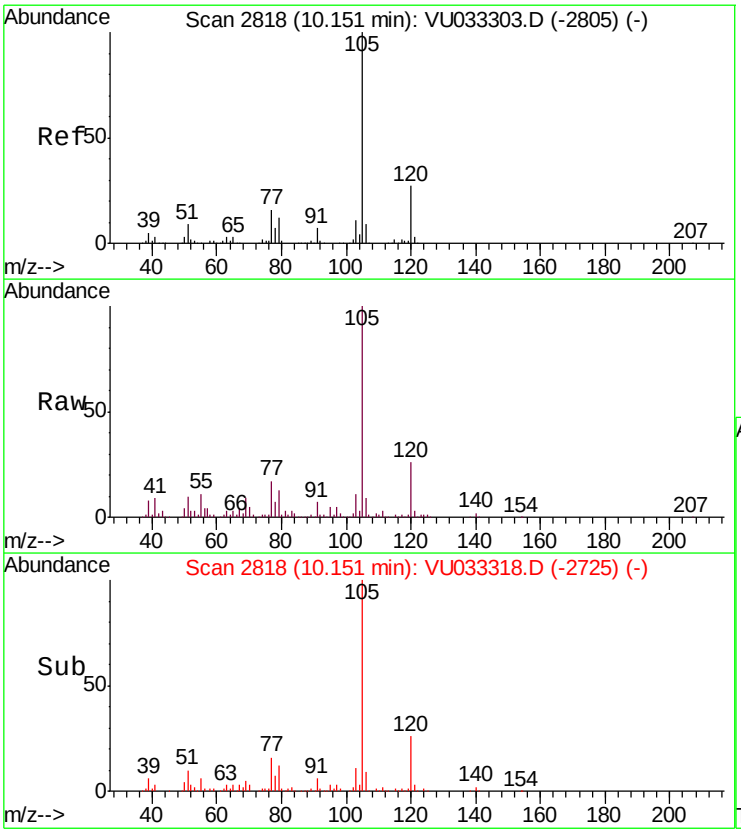
#54
o-xylene
Concen: 0.630 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. 0.00 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion:106 Resp: 3058

Ion	Ratio	Lower	Upper
106	100		
91	224.8	150.5	279.5

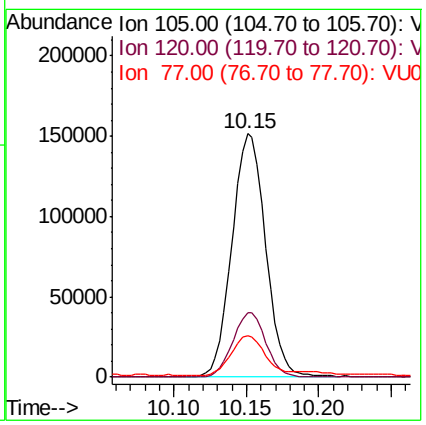


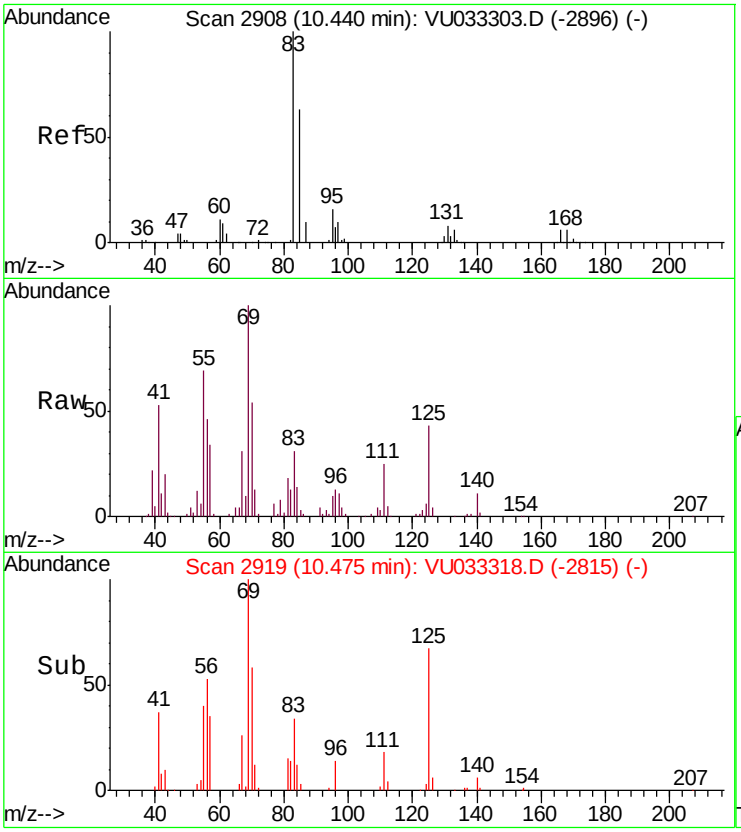


#56
Isopropylbenzene
Concen: 19.471 ug/L
RT: 10.15 min Scan# 2818
Delta R.T. -0.00 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Tgt Ion:105 Resp: 243188

Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.2	31.8
77	16.6	12.9	19.3



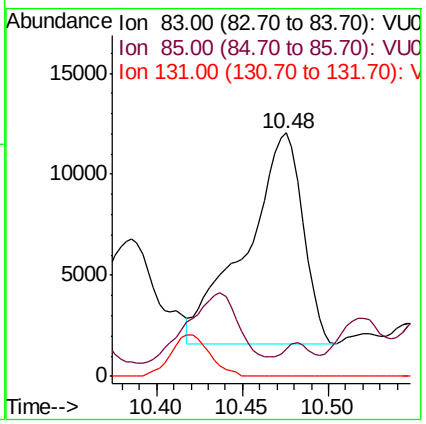


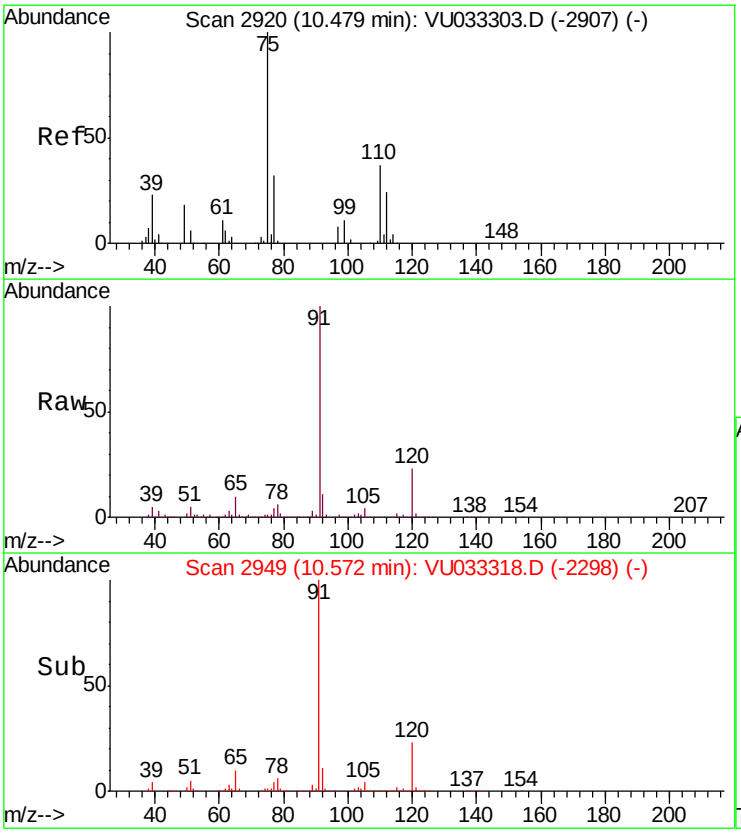
#58
1,1,2,2-Tetrachloroethane
Concen: 4.769 ug/L
RT: 10.48 min Scan# 2919
Delta R.T. 0.04 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 83 Resp: 24035

Ion	Ratio	Lower	Upper
83	100		
85	11.2	44.9	83.3#
131	0.0	7.6	11.4#

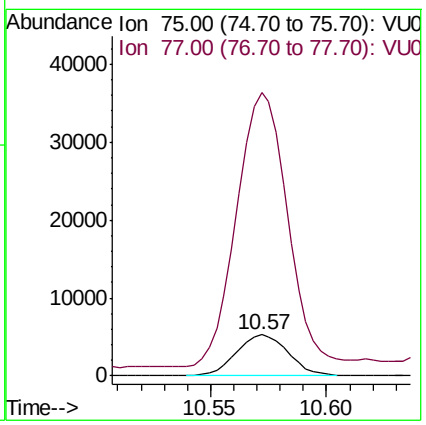


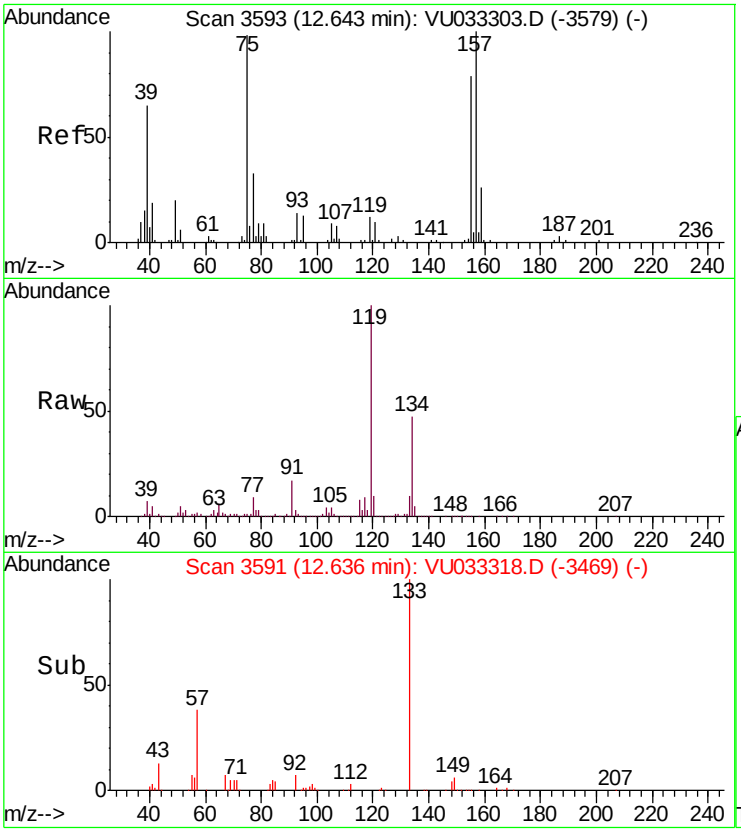


#59
1,2,3-Trichloropropane
Concen: 2.067 ug/L
RT: 10.57 min Scan# 2949
Delta R.T. 0.09 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Tgt Ion: 75 Resp: 8164

Ion	Ratio	Lower	Upper
75	100		
77	661.2	26.0	39.0#



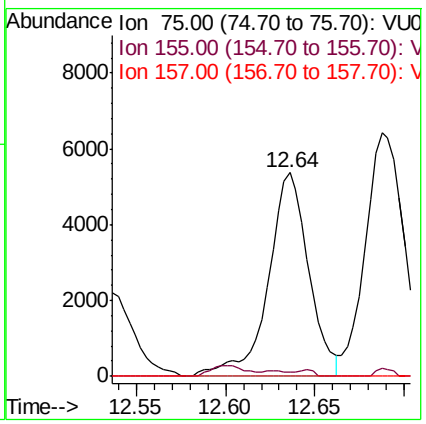


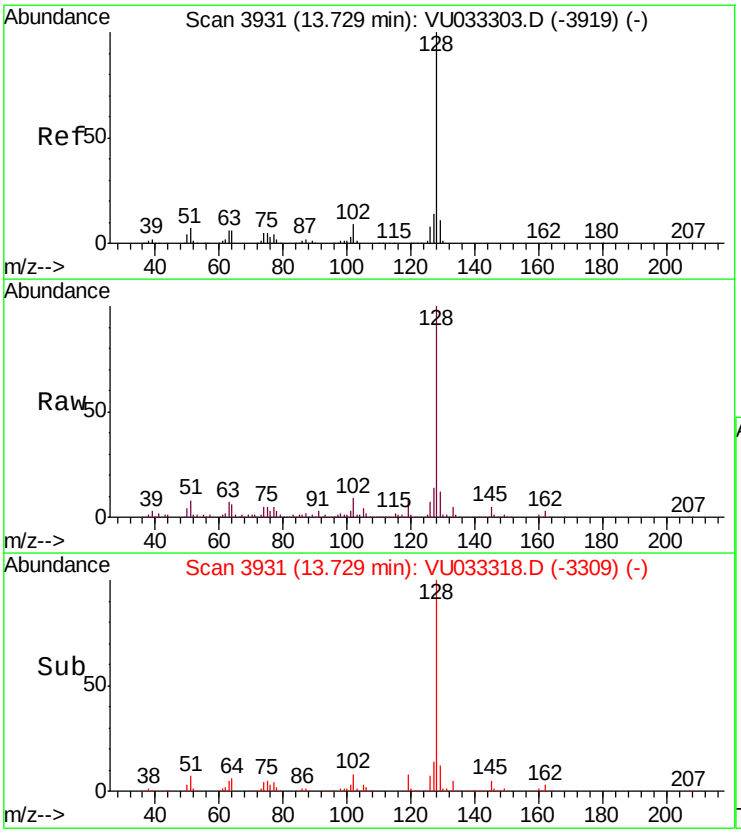
#66
1,2-Dibromo-3-chloropropane
Concen: 6.313 ug/L
RT: 12.64 min Scan# 3591
Delta R.T. -0.01 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Instrument :
MSVOA_U
ClientSampleId :
GAMR0

Tgt Ion: 75 Resp: 8497

Ion	Ratio	Lower	Upper
75	100		
155	2.2	63.5	95.3#
157	0.0	84.6	127.0#





#69
Naphthalene
Concen: 22.592 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. -0.00 min
Lab File: VU033318.D
Acq: 18 Jul 2019 14:46

Tgt Ion:128 Resp: 314421

Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.8	16.2
129	13.9	8.7	13.1#