Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071919\

Quantitation Report (Not Reviewed)

Data File : VU033338.D
Acq On : 19 Jul 2019 15:41
Operator : JC/SP
Sample : K3831-03MSD
Misc : 14.82g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0MSD

Quant Time: Jul 19 22:57:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 22:54:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	310702	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	306655	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	177810	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	91306	38.82	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 77.64%			
7) Chloroethane-d5	1.63	69	95815	47.69	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.38%			
11) 1,1-Dichloroethene-d2	2.23	63	232120	54.41	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery = 108.82%			
21) 2-Butanone-d5	4.16	46	168260	112.91	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 112.91%			
24) Chloroform-d	4.62	84	181090	45.94	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.88%			
26) 1,2-Dichloroethane-d4	5.28	65	126887	50.19	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.38%			
32) Benzene-d6	5.31	84	382916	50.90	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.80%			
36) 1,2-Dichloropropane-d6	6.31	67	124229	51.55	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.10%			
41) Toluene-d8	7.55	98	382478	53.92	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.84%			
43) trans-1,3-Dichloropropene-	7.83	79	67261	56.92	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 113.84%			
47) 2-Hexanone-d5	8.31	63	139763	128.65	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery = 128.65%			
57) 1,1,2,2-Tetrachloroethane-	10.42	84	209870	57.54	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 115.08%			
64) 1,2-Dichlorobenzene-d4	11.85	152	170203	53.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.36%			

Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.22	101	1601	0.755	ug/L #	21
13) Acetone	2.32	43	3207	1.722	ug/L	100
15) Methyl Acetate	2.60	43	6123	2.518	ug/L #	76
16) Methylene chloride	2.68	84	1364	0.576	ug/L #	41
25) Chloroform	4.69	83	34384	7.847	ug/L #	24
27) 1,2-Dichloroethane	5.35	62	3605	1.062	ug/L #	80
29) Cyclohexane	4.95	56	92341	27.635	ug/L #	78
33) Benzene	5.36	78	415174	46.425	ug/L	100
34) Trichloroethene	6.16	95	108903	46.563	ug/L	97
35) Methylcyclohexane	6.39	83	315609	88.092	ug/L	92
38) Bromodichloromethane	6.68	83	7753	2.478	ug/L #	72
39) cis-1,3-Dichloropropene	7.21	75	4004	1.077	ug/L #	1
40) 4-Methyl-2-pentanone	7.51	43	24966	7.674	ug/L #	52
42) Toluene	7.62	91	458813	47.588	ug/L	98
44) trans-1,3-Dichloropropene	7.83	75	3181	0.949	ug/L #	1
45) 1,1,2-Trichloroethane	8.03	97	69821	30.440	ug/L #	21
48) 2-Hexanone	8.31	43	88765	33.489	ug/L #	27

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071919\

Quantitation Report (Not Reviewed)

Data File : VU033338.D
Acq On : 19 Jul 2019 15:41
Operator : JC/SP
Sample : K3831-03MSD
Misc : 14.82g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0MSD

Quant Time: Jul 19 22:57:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 22:54:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
51) Chlorobenzene	9.11	112	304565	48.397	ug/L		99
52) Ethylbenzene	9.23	91	264181	25.607	ug/L		99
53) m,p-Xylene	9.36	106	192132	49.167	ug/L		100
54) o-xylene	9.76	106	2068	0.533	ug/L		95
56) Isopropylbenzene	10.15	105	154950	15.519	ug/L		99
59) 1,2,3-Trichloropropane	10.57	75	5411	1.714	ug/L	#	1
66) 1,2-Dibromo-3-chloropropan	12.64	75	5704	5.324	ug/L	#	3
69) Naphthalene	13.73	128	186382	16.824	ug/L	#	95

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

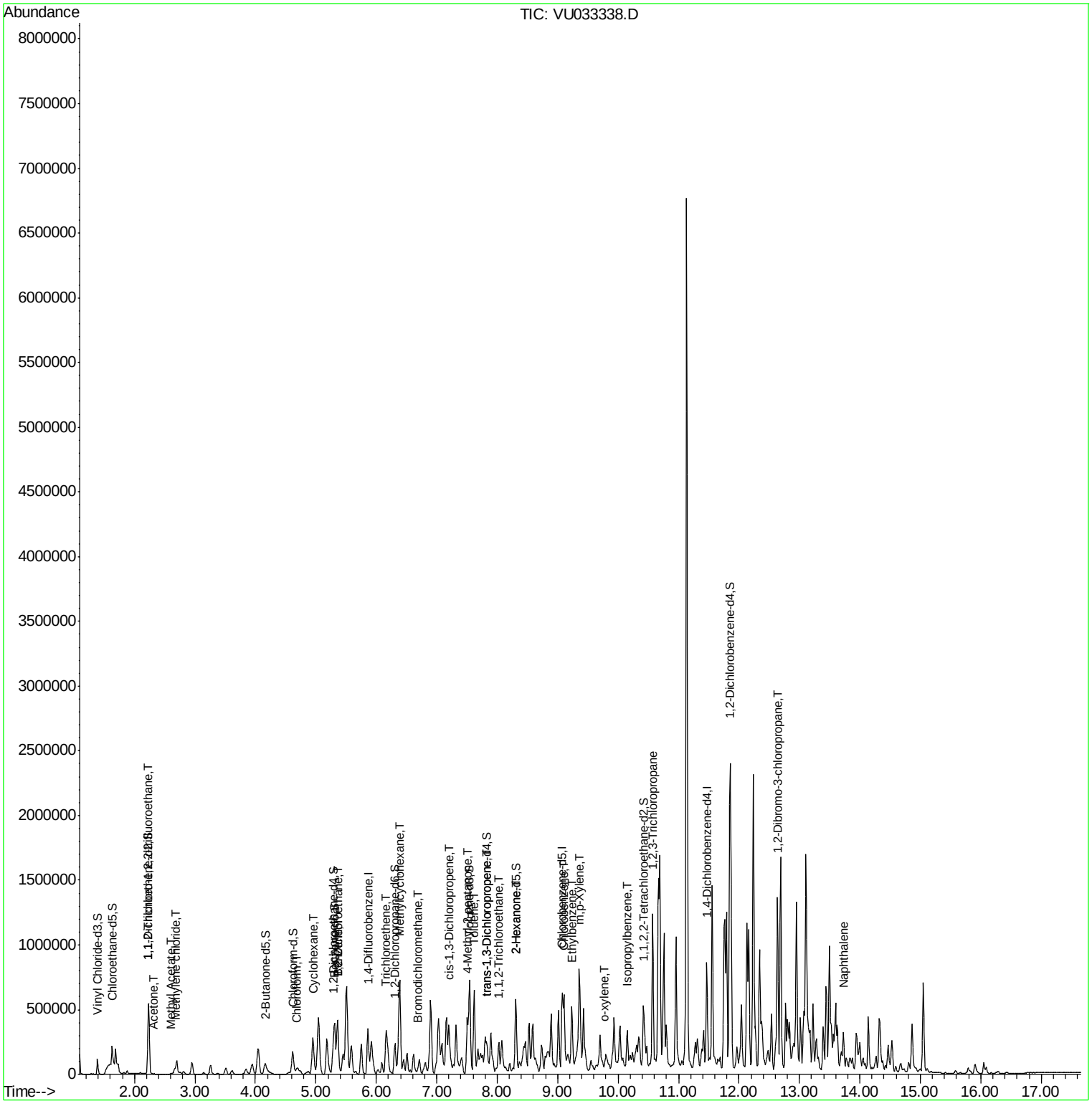
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071919\

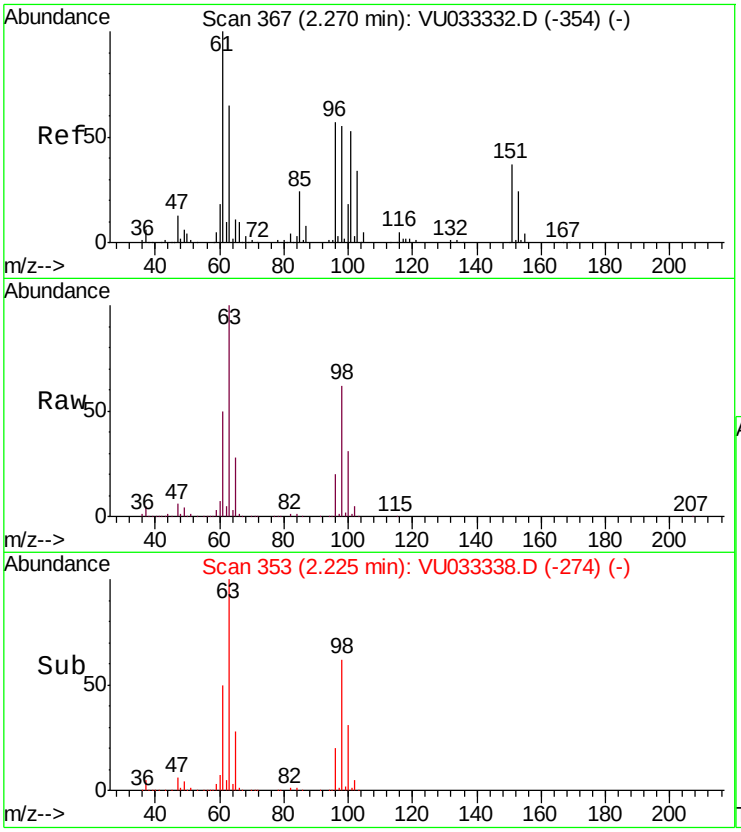
Quantitation Report (Not Reviewed)

Data File : VU033338.D
Acq On : 19 Jul 2019 15:41
Operator : JC/SP
Sample : K3831-03MSD
Misc : 14.82g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Quant Time: Jul 19 22:57:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 22:54:17 2019
Response via : Initial Calibration



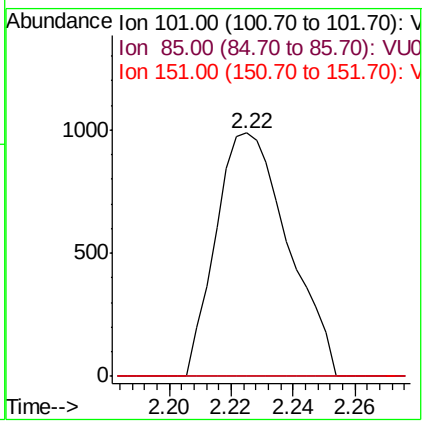


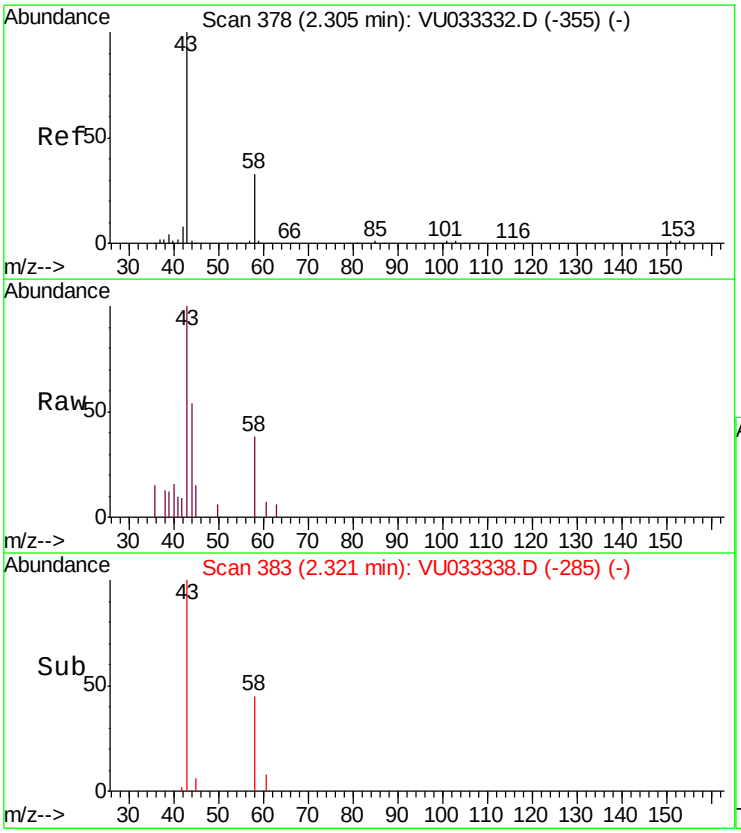
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.755 ug/L
RT: 2.22 min Scan# 353
Delta R.T. -0.05 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tgt Ion:101 Resp: 1601

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

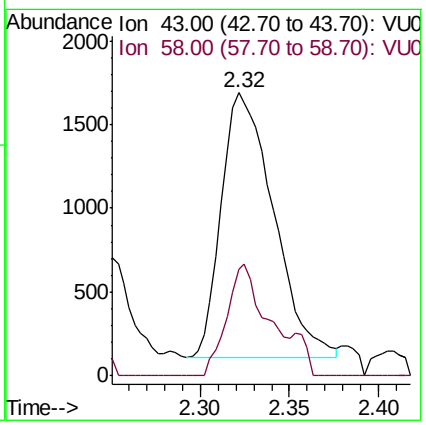


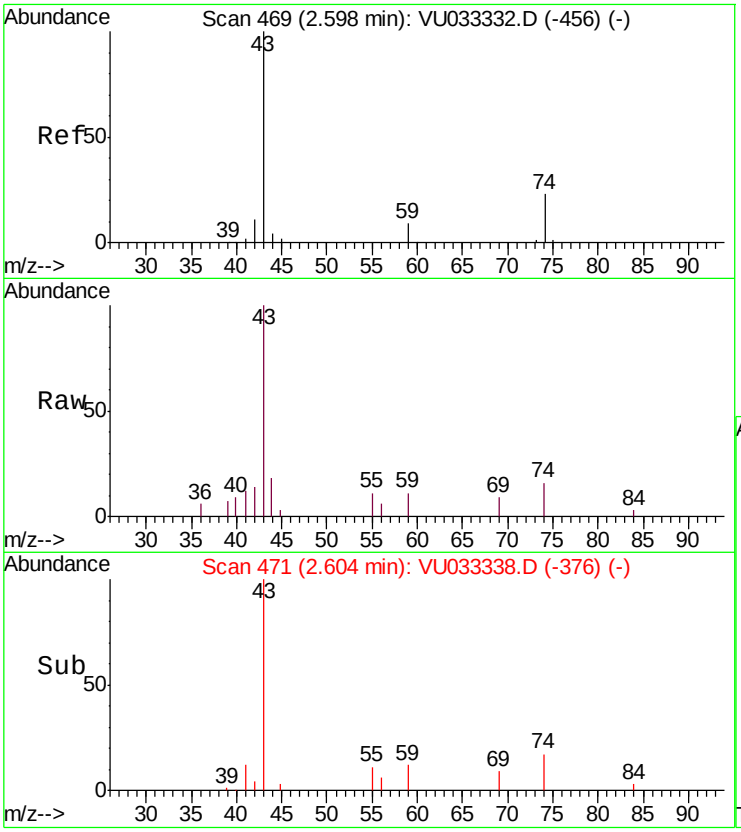


#13
Acetone
Concen: 1.722 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.02 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Tgt Ion: 43 Resp: 3207

Ion	Ratio	Lower	Upper
43	100		
58	32.4	0.0	65.4



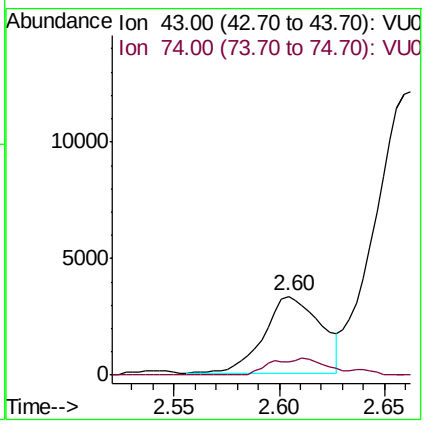


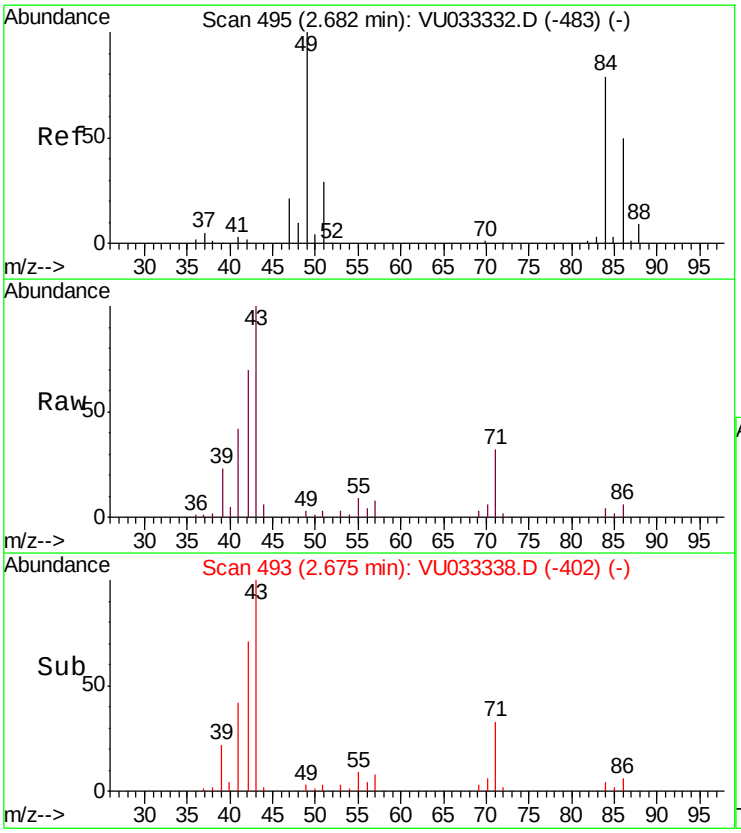
#15
Methyl Acetate
Concen: 2.518 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tgt Ion: 43 Resp: 6123

Ion	Ratio	Lower	Upper
43	100		
74	12.8	19.9	29.9#

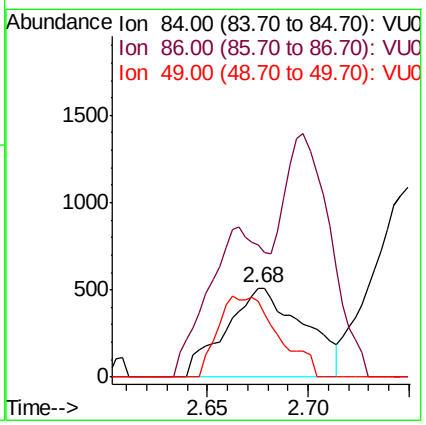


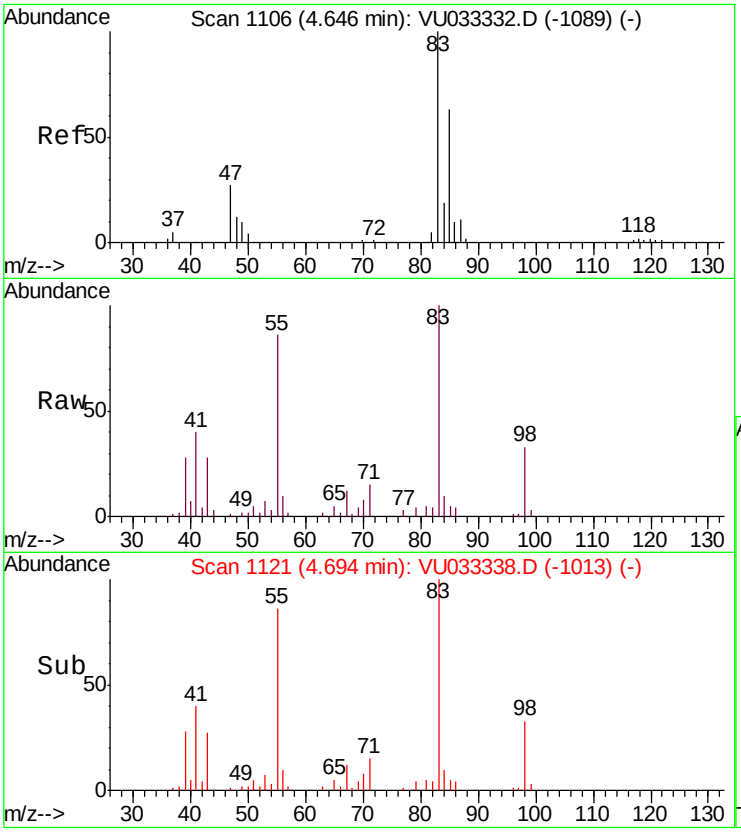


#16
Methylene chloride
Concen: 0.576 ug/L
RT: 2.68 min Scan# 493
Delta R.T. -0.01 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Tgt Ion: 84 Resp: 1364

Ion	Ratio	Lower	Upper
84	100		
86	149.3	45.7	84.9#
49	85.3	87.7	162.9#



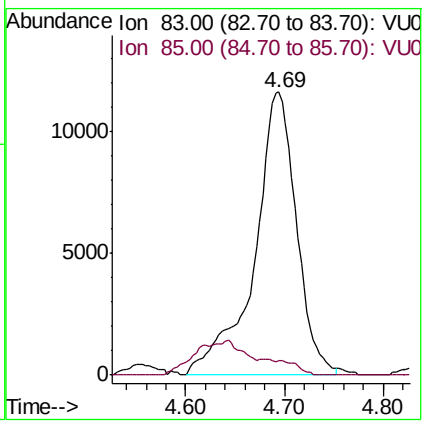


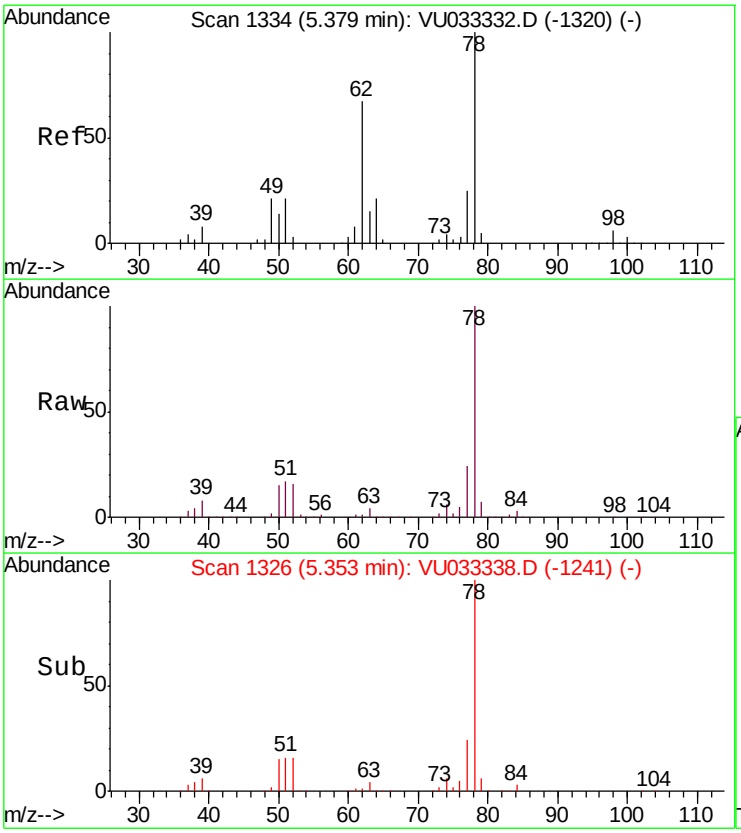
#25
Chloroform
Concen: 7.847 ug/L
RT: 4.69 min Scan# 1121
Delta R.T. 0.05 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tgt Ion: 83 Resp: 34384

Ion	Ratio	Lower	Upper
83	100		
85	5.1	45.4	84.4#

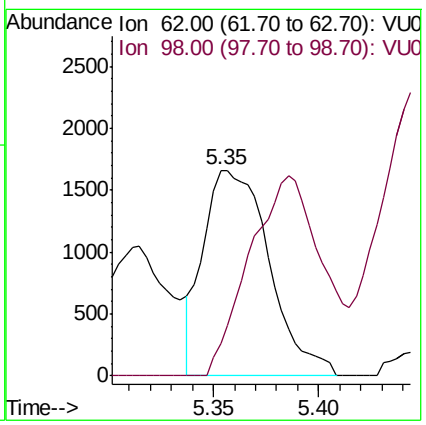


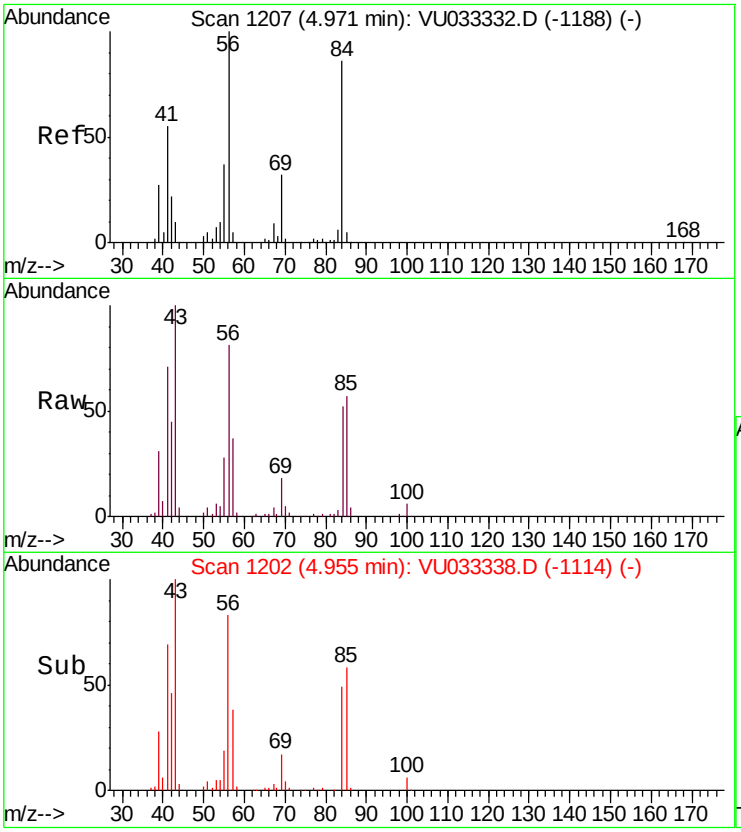


#27
1,2-Dichloroethane
Concen: 1.062 ug/L
RT: 5.35 min Scan# 1326
Delta R.T. -0.03 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Tgt Ion: 62 Resp: 3605

Ion	Ratio	Lower	Upper
62	100		
98	15.9	7.0	10.6#



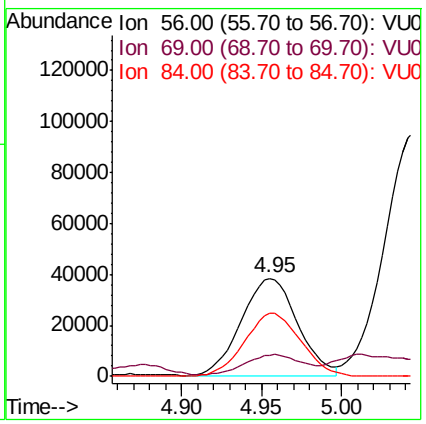


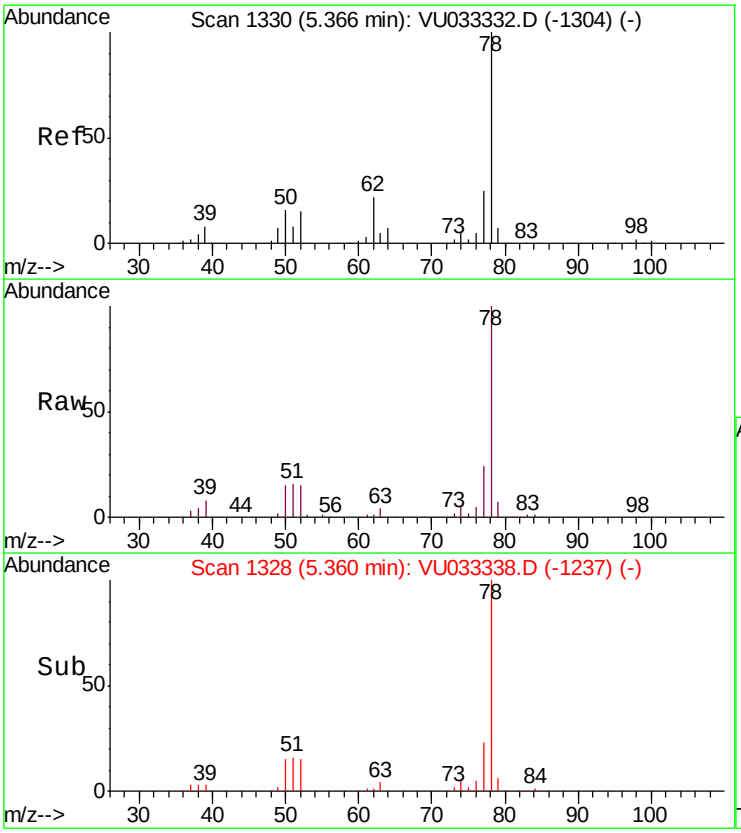
#29
Cyclohexane
Concen: 27.635 ug/L
RT: 4.95 min Scan# 1202
Delta R.T. -0.02 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tgt Ion: 56 Resp: 92341

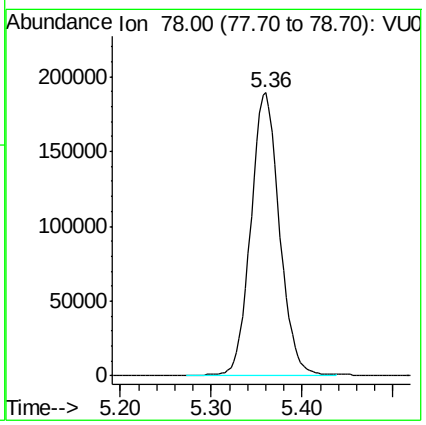
Ion	Ratio	Lower	Upper
56	100		
69	21.4	24.7	37.1#
84	65.2	70.2	105.2#

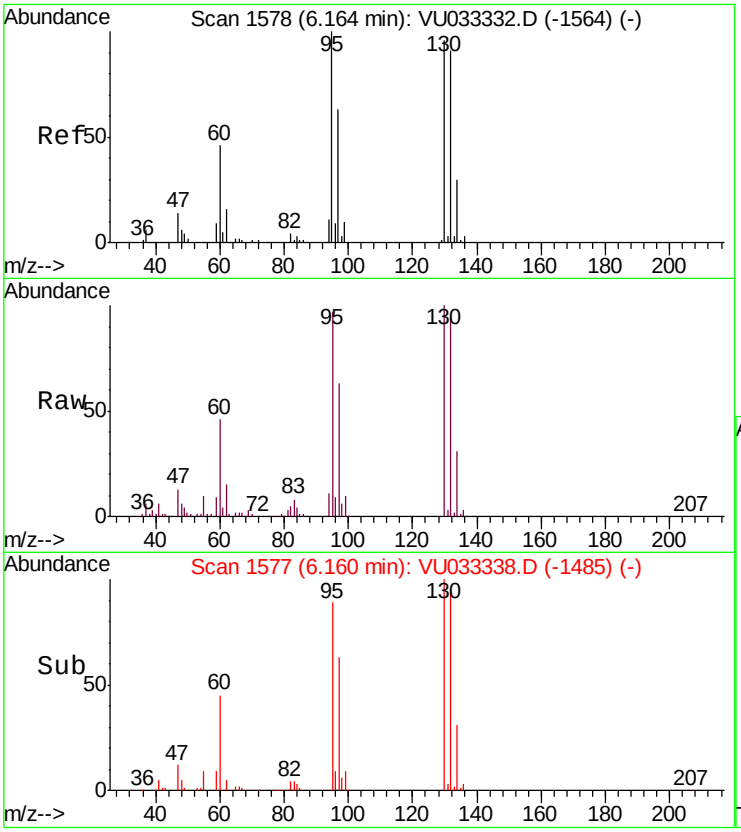




#33
Benzene
Concen: 46.425 ug/L
RT: 5.36 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Tgt Ion: 78 Resp: 415174



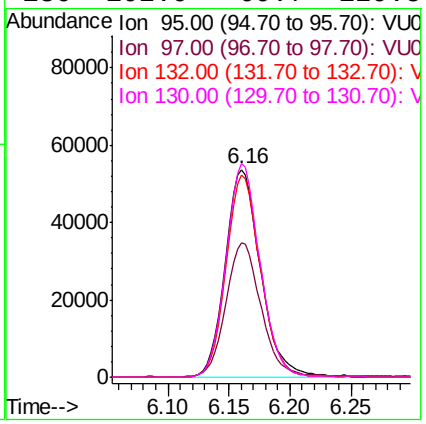


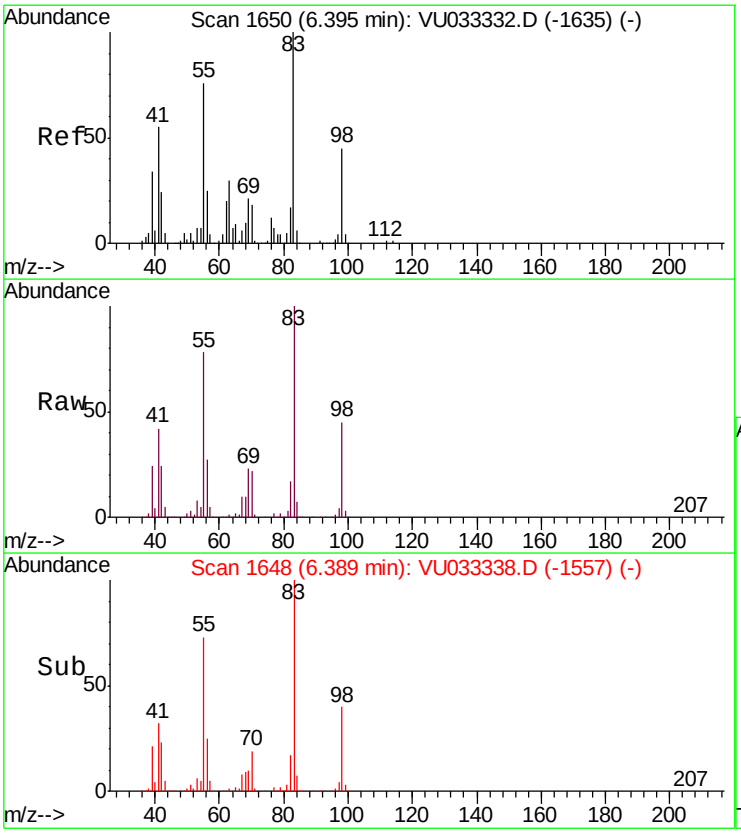
#34
Trichloroethene
Concen: 46.563 ug/L
RT: 6.16 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tgt Ion: 95 Resp: 108903

Ion	Ratio	Lower	Upper
95	100		
97	64.7	43.8	81.4
132	97.1	65.5	121.6
130	102.9	69.7	129.5

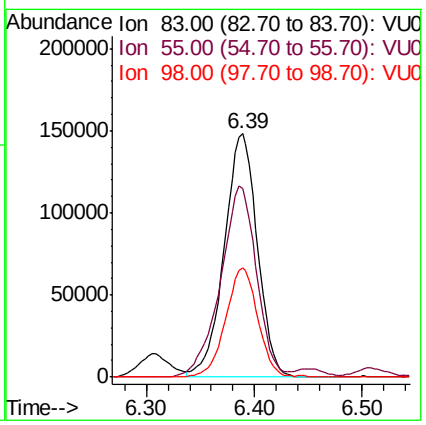


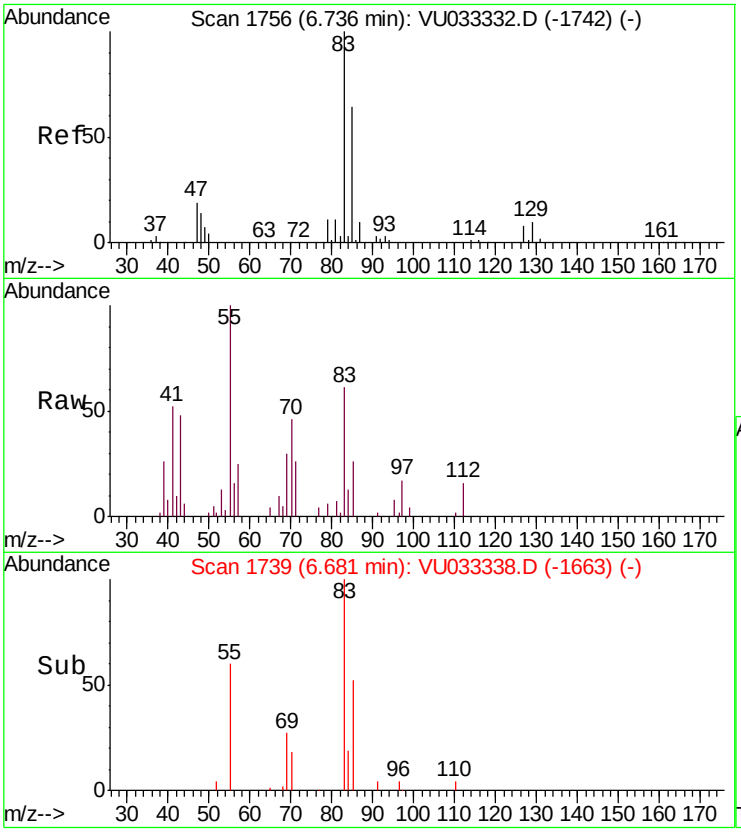


#35
Methylcyclohexane
Concen: 88.092 ug/L
RT: 6.39 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Tgt Ion: 83 Resp: 315609

Ion	Ratio	Lower	Upper
83	100		
55	84.6	60.5	90.7
98	43.3	37.4	56.0



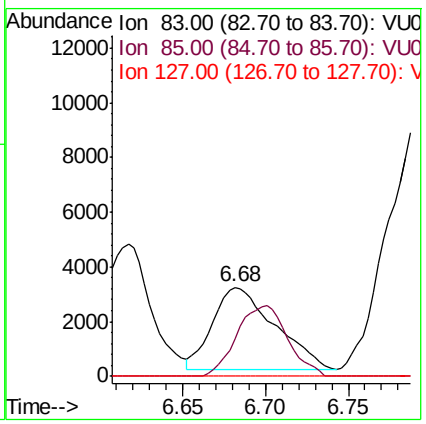


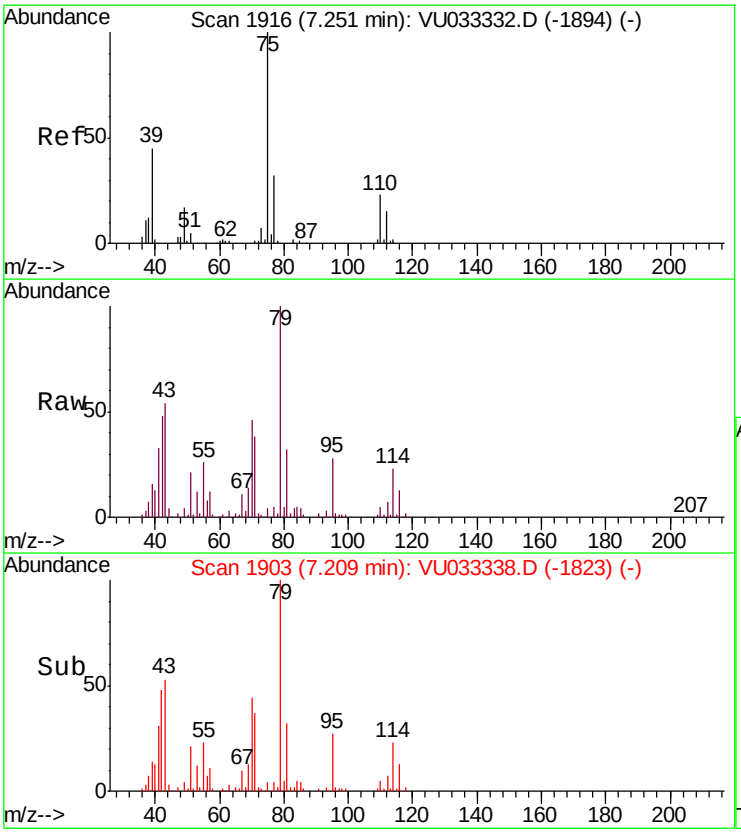
#38
Bromodichloromethane
Concen: 2.478 ug/L
RT: 6.68 min Scan# 1739
Delta R.T. -0.05 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tgt Ion: 83 Resp: 7753

Ion	Ratio	Lower	Upper
83	100		
85	42.4	45.8	85.0#
127	0.0	6.8	10.2#

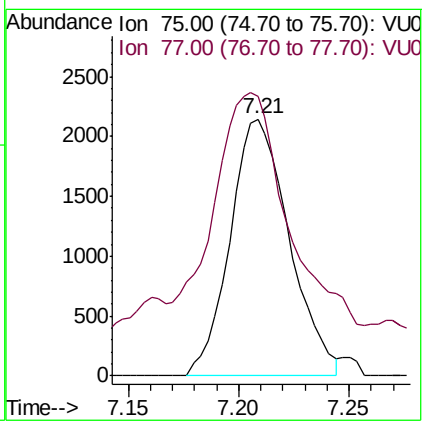


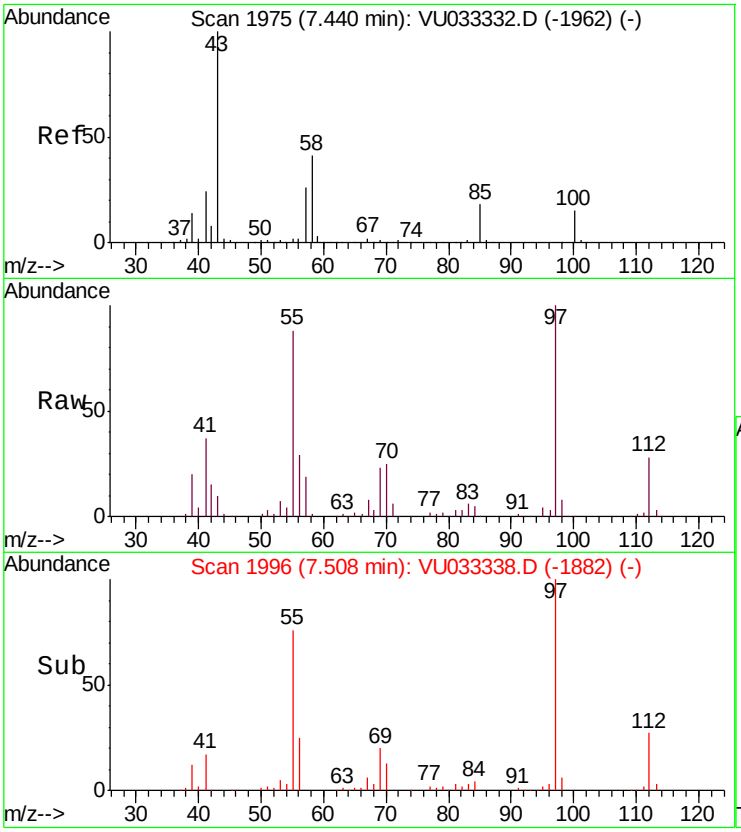


#39
cis-1,3-Dichloropropene
Concen: 1.077 ug/L
RT: 7.21 min Scan# 1903
Delta R.T. -0.04 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Tgt Ion: 75 Resp: 4004

Ion	Ratio	Lower	Upper
75	100		
77	108.7	23.1	42.9#



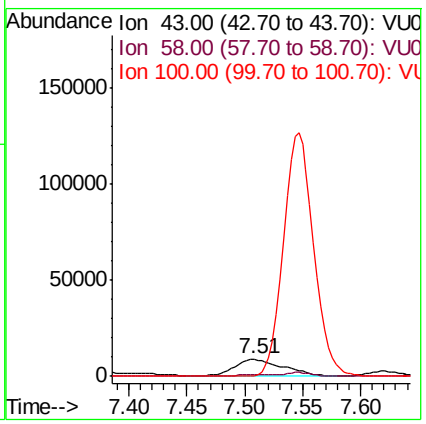


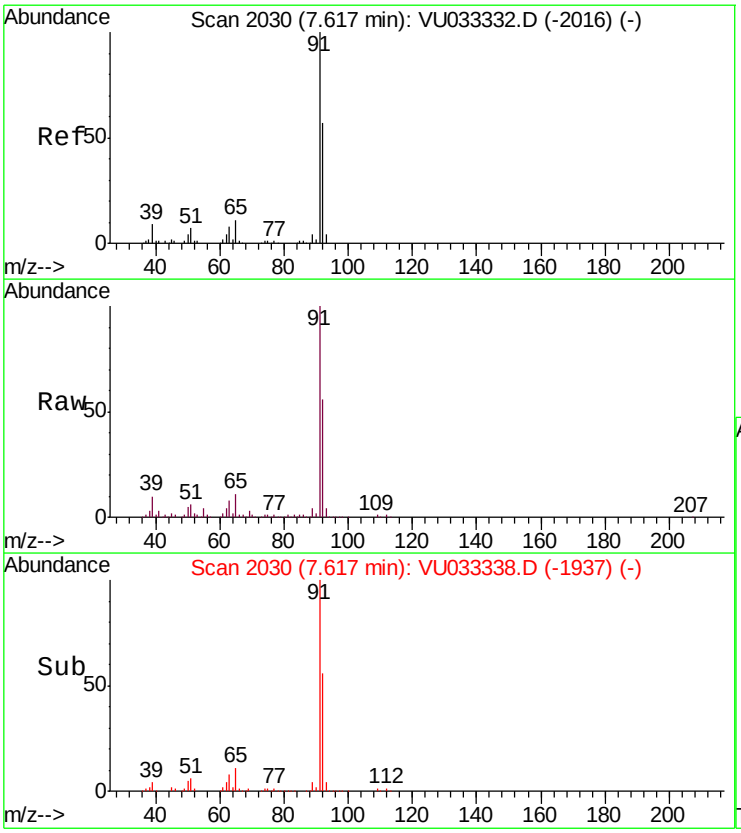
#40
4-Methyl-2-pentanone
Concen: 7.674 ug/L
RT: 7.51 min Scan# 1996
Delta R.T. 0.07 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tgt Ion: 43 Resp: 24966

Ion	Ratio	Lower	Upper
43	100		
58	8.5	33.3	49.9#
100	0.0	12.1	18.1#

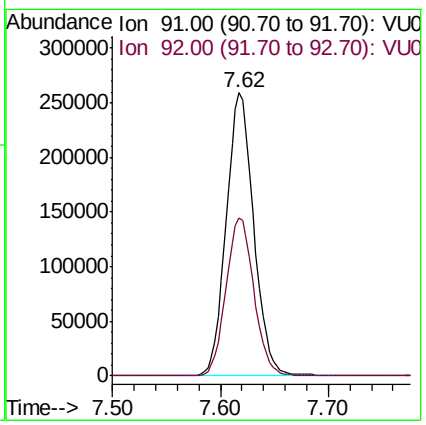


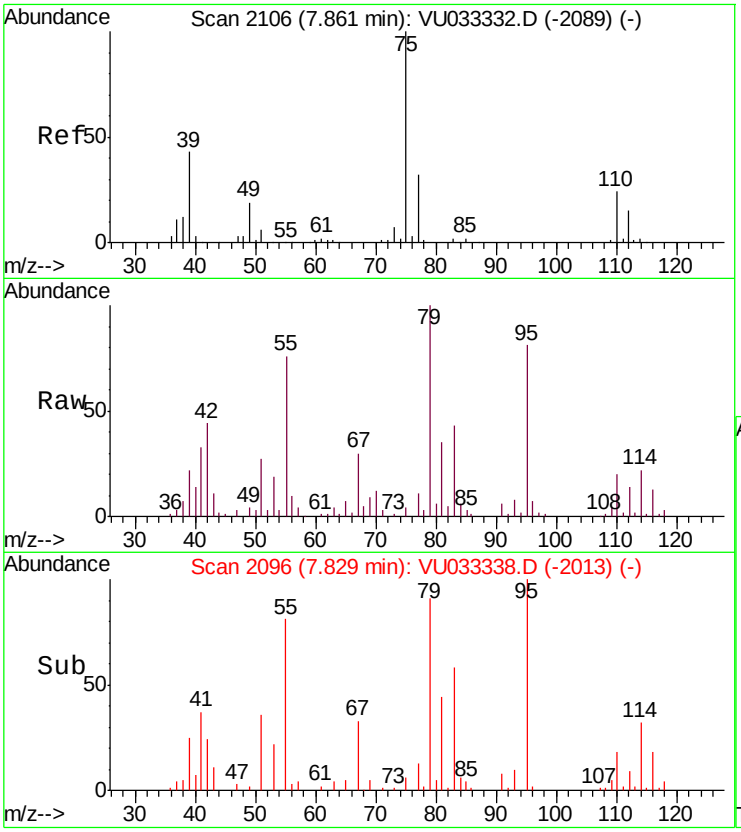


#42
Toluene
Concen: 47.588 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. -0.00 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Tgt Ion: 91 Resp: 458813

Ion	Ratio	Lower	Upper
91	100		
92	55.8	39.8	74.0



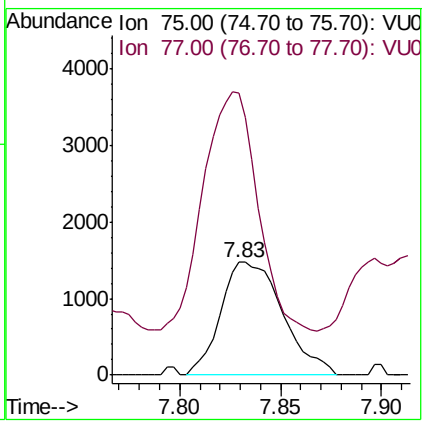


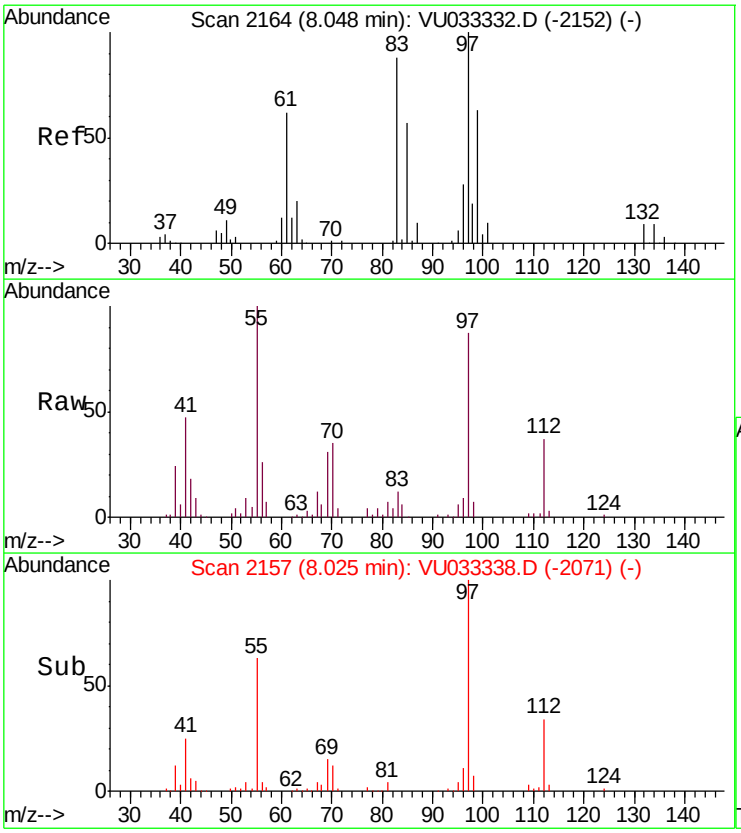
#44
trans-1,3-Dichloropropene
Concen: 0.949 ug/L
RT: 7.83 min Scan# 2096
Delta R.T. -0.03 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tgt Ion: 75 Resp: 3181

Ion	Ratio	Lower	Upper
75	100		
77	249.4	22.4	41.6#

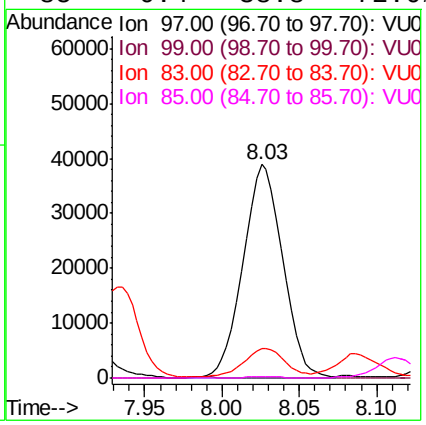


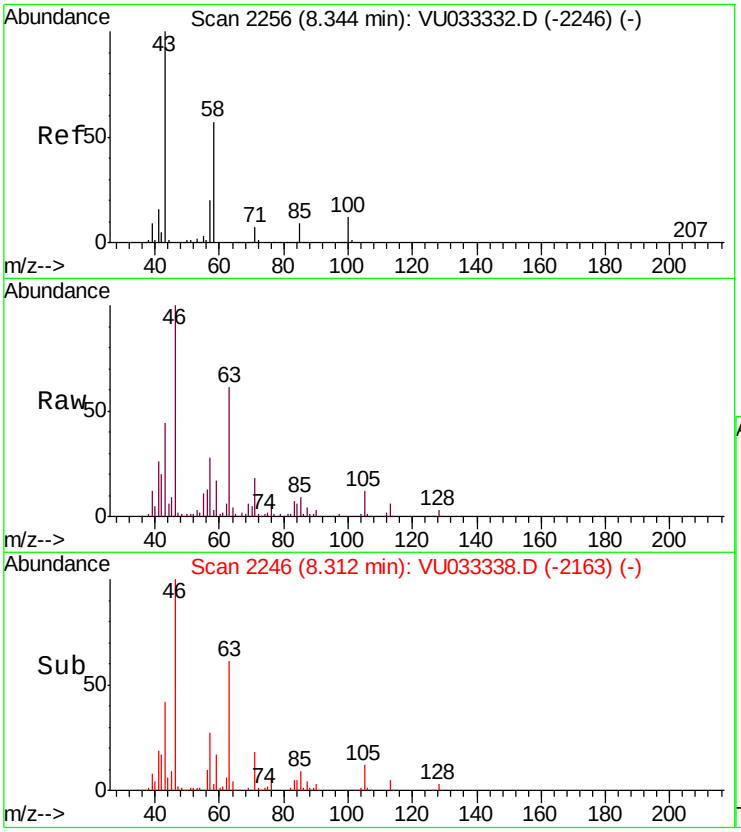


#45
1,1,2-Trichloroethane
Concen: 30.440 ug/L
RT: 8.03 min Scan# 2157
Delta R.T. -0.02 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Tgt Ion: 97 Resp: 69821

Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.0	79.8#
83	13.8	61.5	114.3#
85	0.4	38.8	72.0#



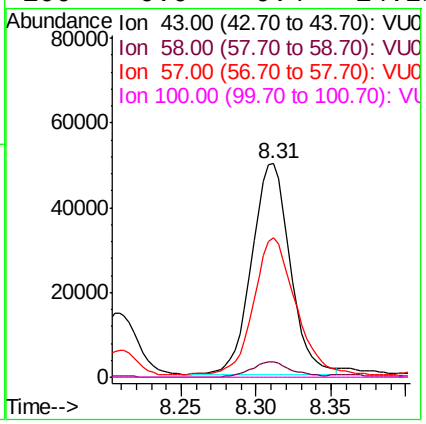


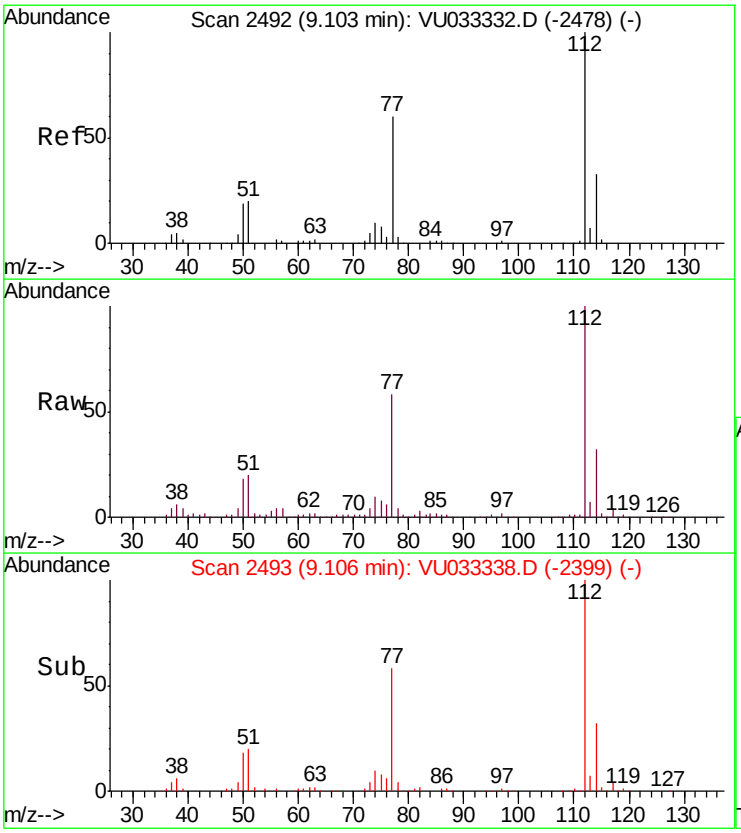
#48
2-Hexanone
Concen: 33.489 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.03 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tgt Ion: 43 Resp: 88765

Ion	Ratio	Lower	Upper
43	100		
58	7.8	46.1	69.1#
57	71.7	15.8	23.8#
100	0.0	9.4	14.2#

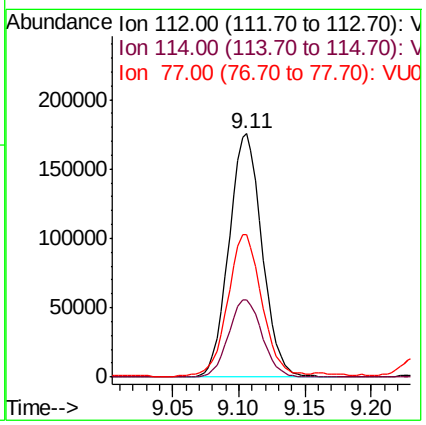


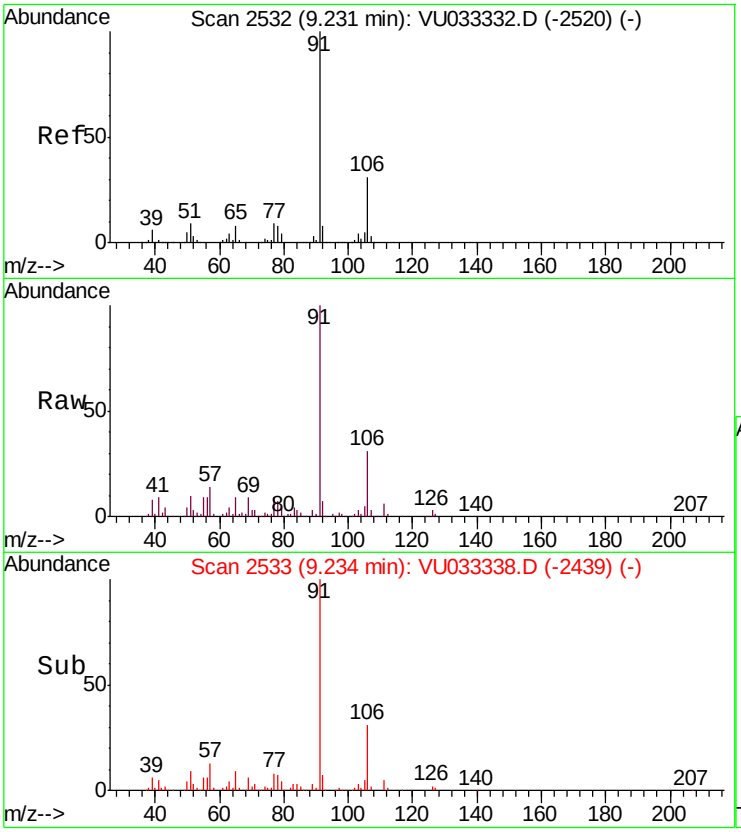


#51
Chlorobenzene
Concen: 48.397 ug/L
RT: 9.11 min Scan# 2493
Delta R.T. 0.00 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Tgt Ion:112 Resp: 304565

Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.3
77	58.5	47.2	70.8



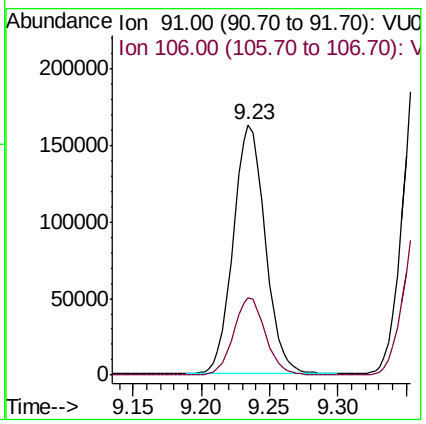


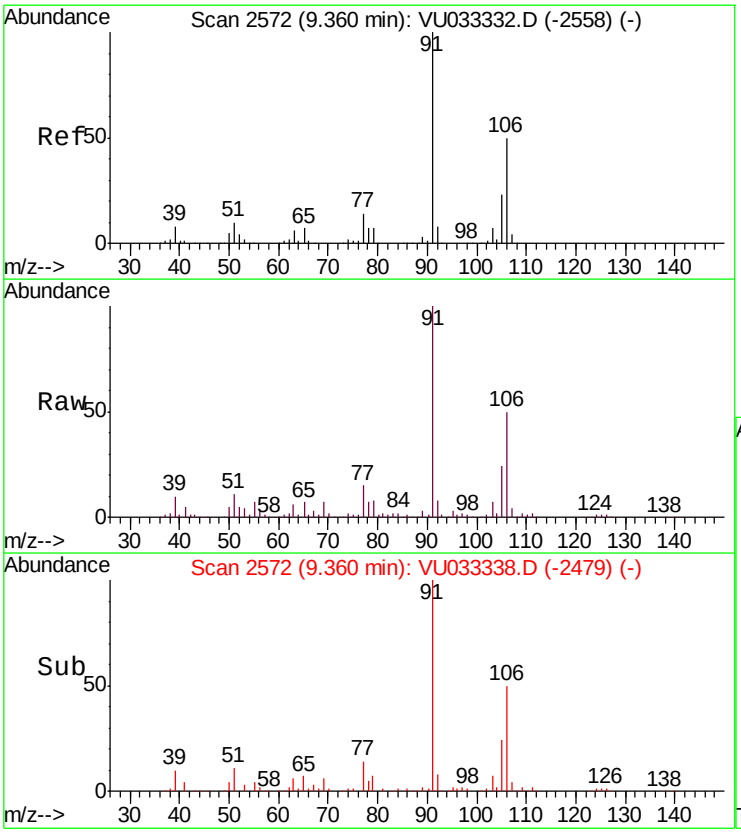
#52
Ethylbenzene
Concen: 25.607 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tgt Ion: 91 Resp: 264181

Ion	Ratio	Lower	Upper
91	100		
106	31.0	22.2	41.2

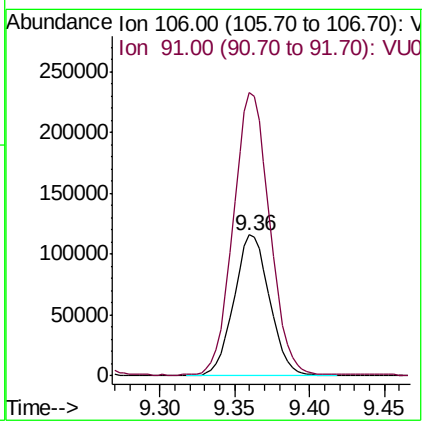


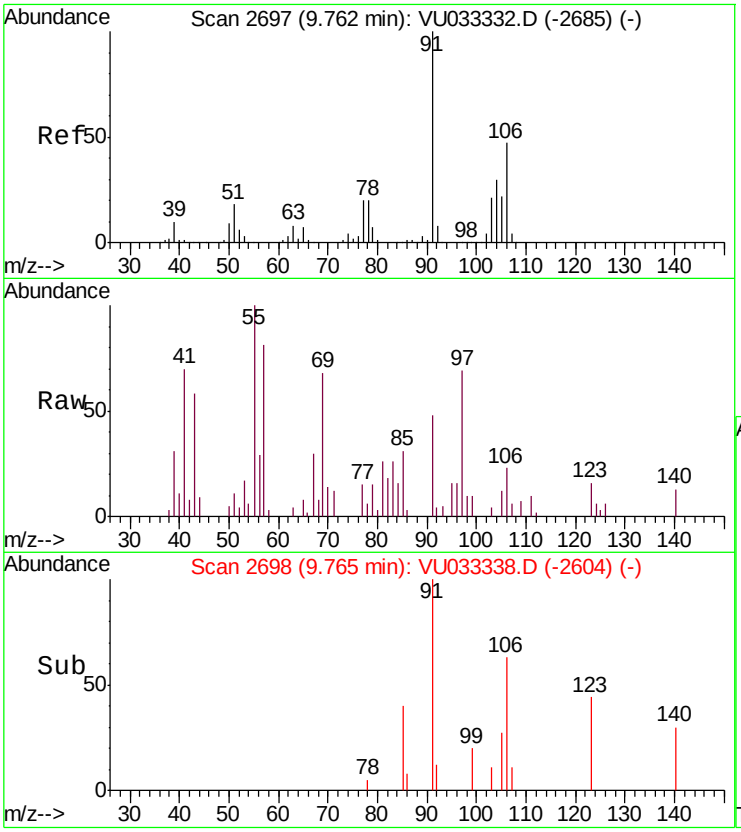


#53
m,p-Xylene
Concen: 49.167 ug/L
RT: 9.36 min Scan# 2572
Delta R.T. -0.00 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Tgt Ion:106 Resp: 192132

Ion	Ratio	Lower	Upper
106	100		
91	201.1	141.3	262.3



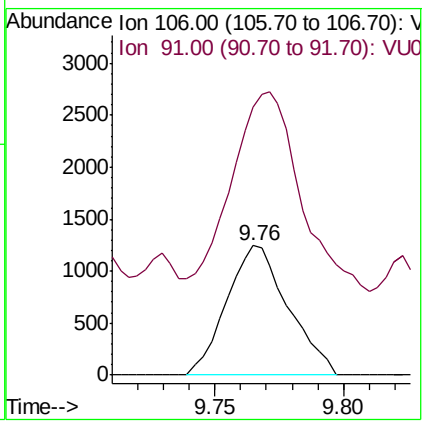


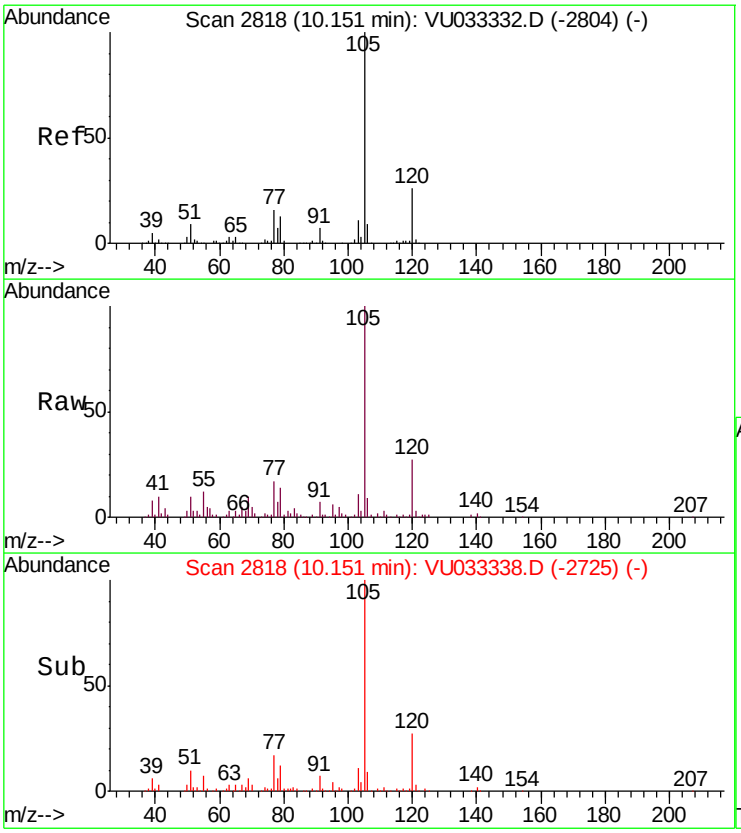
#54
o-xylene
Concen: 0.533 ug/L
RT: 9.76 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tgt Ion:106 Resp: 2068

Ion	Ratio	Lower	Upper
106	100		
91	207.1	150.5	279.5

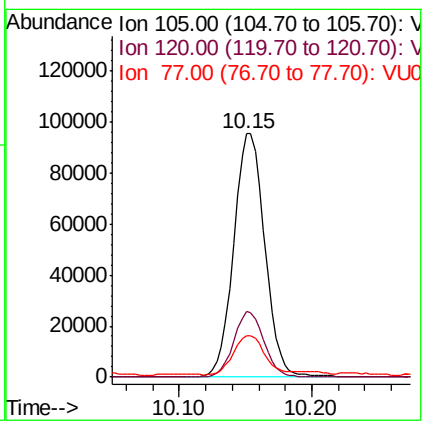


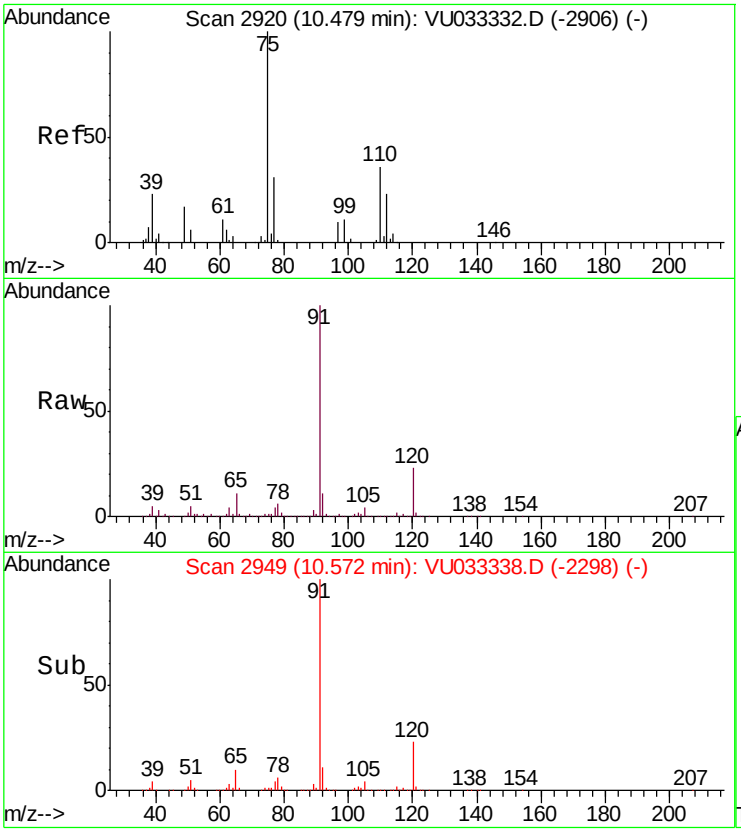


#56
Isopropylbenzene
Concen: 15.519 ug/L
RT: 10.15 min Scan# 2818
Delta R.T. -0.00 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Tgt Ion:105 Resp: 154950

Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.2	31.8
77	16.5	12.9	19.3



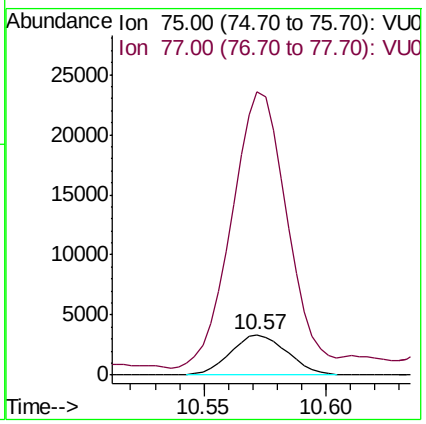


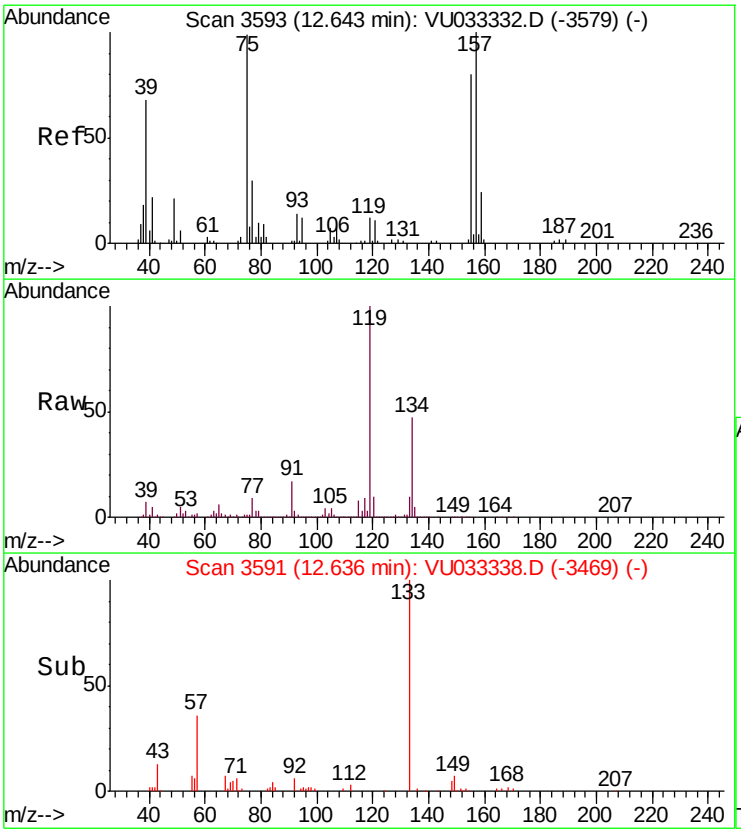
#59
1,2,3-Trichloropropane
Concen: 1.714 ug/L
RT: 10.57 min Scan# 2949
Delta R.T. 0.09 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tgt Ion: 75 Resp: 5411

Ion	Ratio	Lower	Upper
75	100		
77	663.2	26.0	39.0#

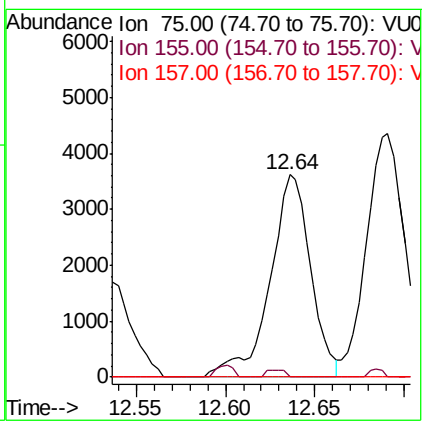


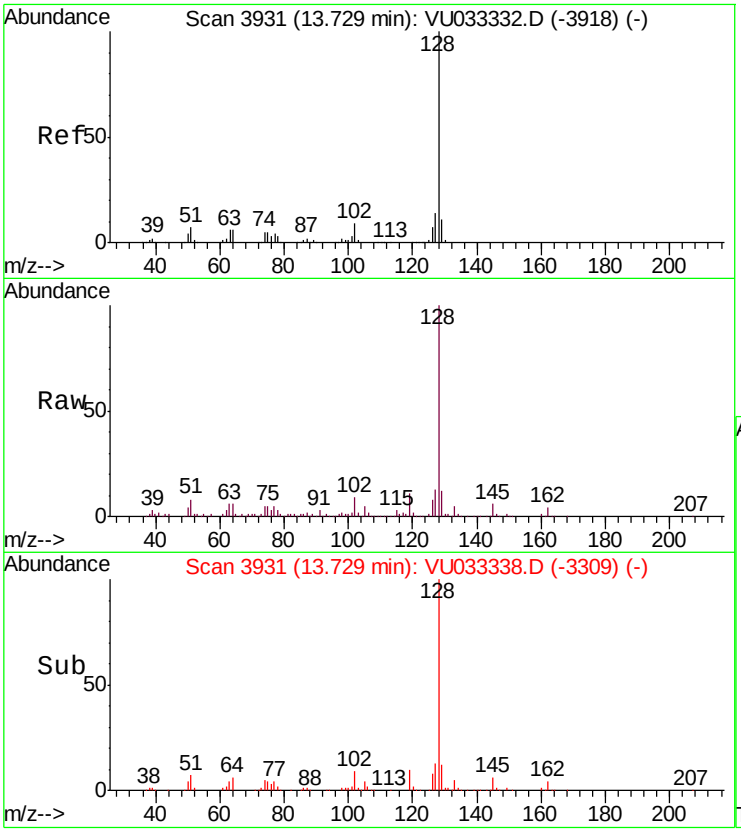


#66
1,2-Dibromo-3-chloropropane
Concen: 5.324 ug/L
RT: 12.64 min Scan# 3591
Delta R.T. -0.01 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Tgt Ion: 75 Resp: 5704

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





#69
Naphthalene
Concen: 16.824 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. -0.00 min
Lab File: VU033338.D
Acq: 19 Jul 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MSD

Tgt Ion:128 Resp: 186382

Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.8	16.2
129	14.2	8.7	13.1#