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

Quantitation Report (Not Reviewed)

Data File : VU033337.D
Acq On : 19 Jul 2019 15:14
Operator : JC/SP
Sample : K3831-02MS
Misc : 14.82g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0MS

Quant Time: Jul 19 22:57:27 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	281312	50.00	ug/L		0.00
28) Chlorobenzene-d5	9.07	117	292420	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	164550	50.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.39	65	83544	39.23	ug/L		0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 78.46%				
7) Chloroethane-d5	1.63	69	102329	56.25	ug/L		-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.50%				
11) 1,1-Dichloroethene-d2	2.23	63	226265	58.58	ug/L		-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery = 117.16%				
21) 2-Butanone-d5	4.16	46	157571	116.78	ug/L		0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 116.78%				
24) Chloroform-d	4.62	84	175327	49.13	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.26%				
26) 1,2-Dichloroethane-d4	5.28	65	119715	52.30	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.60%				
32) Benzene-d6	5.31	84	365036	50.89	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.78%				
36) 1,2-Dichloropropane-d6	6.31	67	117398	51.09	ug/L		0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 102.18%				
41) Toluene-d8	7.55	98	361881	53.50	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.00%				
43) trans-1,3-Dichloropropene-	7.83	79	65078	57.75	ug/L		0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 115.50%				
47) 2-Hexanone-d5	8.31	63	133003	128.39	ug/L		0.01
Spiked Amount 100.000	Range 45 - 130		Recovery = 128.39%				
57) 1,1,2,2-Tetrachloroethane-	10.42	84	199835	57.46	ug/L		0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 114.92%				
64) 1,2-Dichlorobenzene-d4	11.85	152	158862	54.14	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.28%				
Target Compounds							Qvalue
6) Bromomethane	1.59	94	1665	0.841	ug/L		93
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	1498	0.781	ug/L	#	21
12) 1,1-Dichloroethene	2.24	96	99137	52.798	ug/L		94
13) Acetone	2.32	43	4143	2.457	ug/L		86
15) Methyl Acetate	2.61	43	7611	3.457	ug/L		99
25) Chloroform	4.69	83	28549	7.196	ug/L	#	25
27) 1,2-Dichloroethane	5.36	62	3637	1.184	ug/L	#	35
29) Cyclohexane	4.95	56	82806	25.988	ug/L	#	78
33) Benzene	5.36	78	393665	46.163	ug/L		100
34) Trichloroethene	6.16	95	102939	46.156	ug/L		99
35) Methylcyclohexane	6.39	83	288845	84.546	ug/L		91
38) Bromodichloromethane	6.68	83	7211	2.417	ug/L	#	57
39) cis-1,3-Dichloropropene	7.21	75	3838	1.082	ug/L	#	1
42) Toluene	7.62	91	439856	47.842	ug/L		99
44) trans-1,3-Dichloropropene	7.84	75	2888	0.903	ug/L	#	1
45) 1,1,2-Trichloroethane	8.03	97	61660	28.190	ug/L	#	21
48) 2-Hexanone	8.31	43	79314	31.380	ug/L	#	25

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

Quantitation Report (Not Reviewed)

Data File : VU033337.D
Acq On : 19 Jul 2019 15:14
Operator : JC/SP
Sample : K3831-02MS
Misc : 14.82g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0MS

Quant Time: Jul 19 22:57:27 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	9.10	112	286857	47.802	ug/L		99
52) Ethylbenzene	9.23	91	250711	25.484	ug/L		99
53) m,p-Xylene	9.36	106	182504	48.977	ug/L		99
54) o-xylene	9.77	106	2019	0.546	ug/L		90
56) Isopropylbenzene	10.15	105	145669	15.299	ug/L		99
58) 1,1,2,2-Tetrachloroethane	10.47	83	17167	4.468	ug/L	#	38
59) 1,2,3-Trichloropropane	10.58	75	5139	1.707	ug/L	#	1
66) 1,2-Dibromo-3-chloropropan	12.64	75	5288	5.333	ug/L	#	3
69) Naphthalene	13.73	128	174254	16.997	ug/L	#	94

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

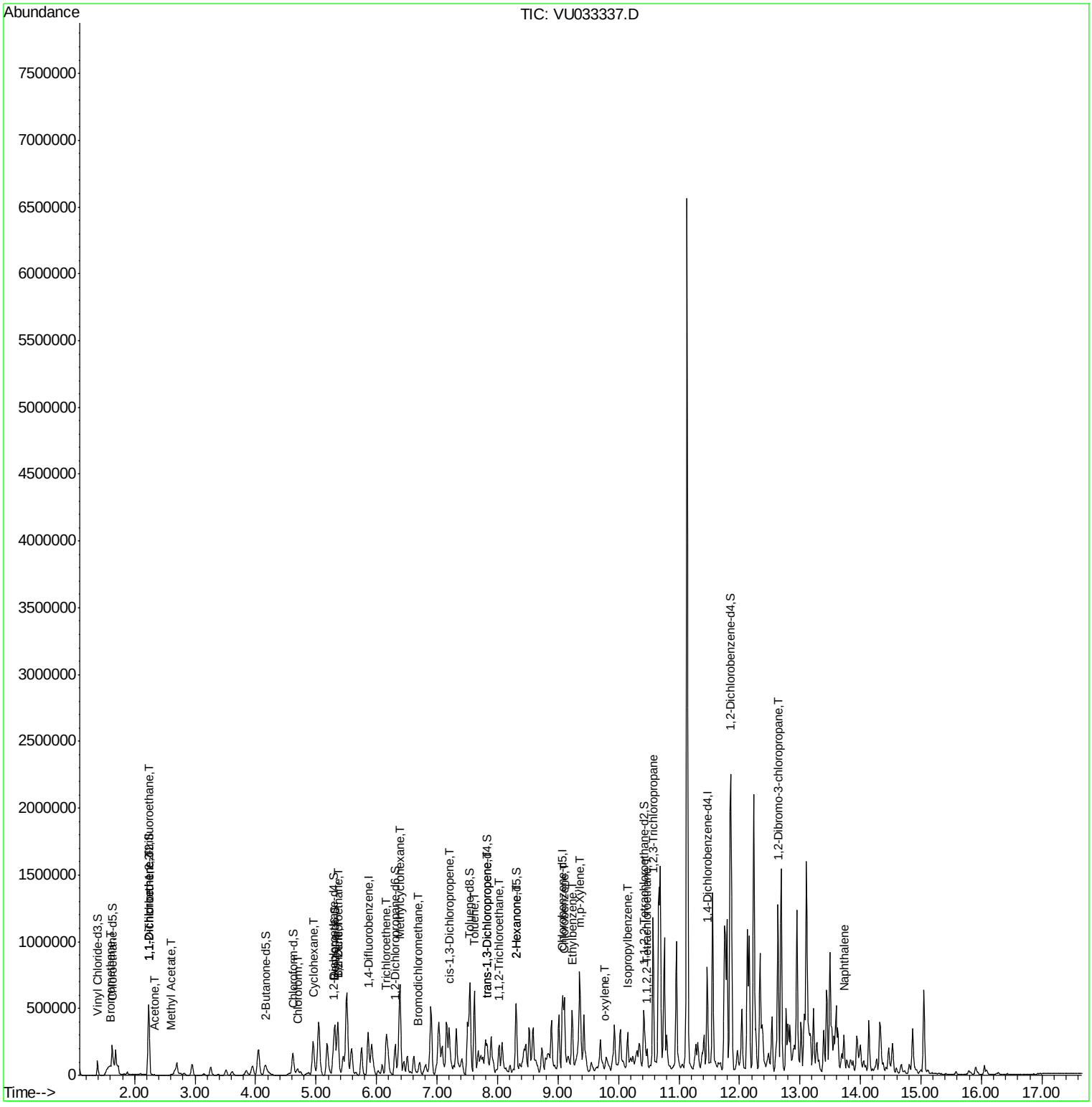
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071919\

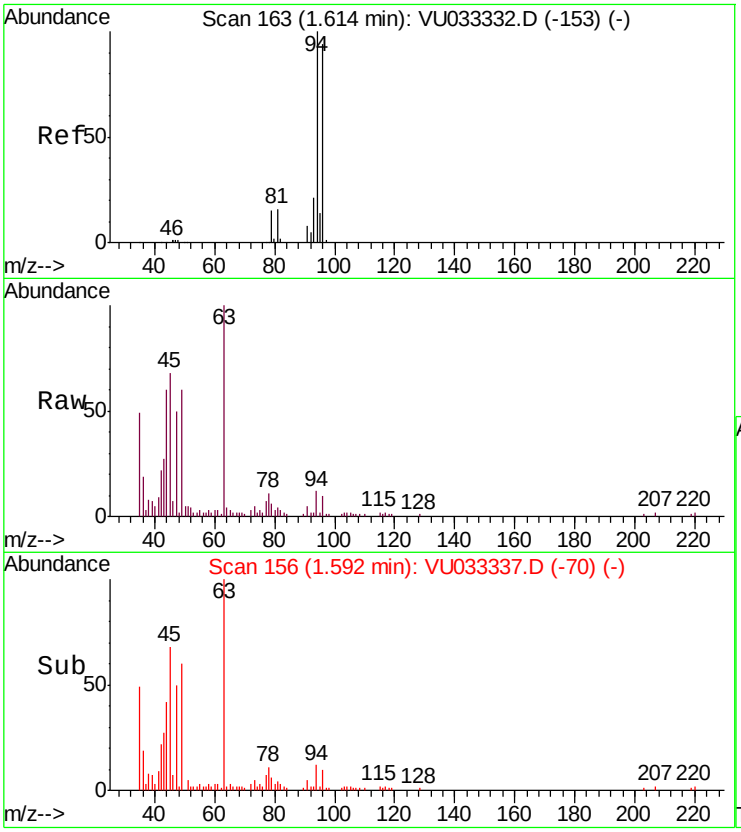
Quantitation Report (Not Reviewed)

Data File : VU033337.D
Acq On : 19 Jul 2019 15:14
Operator : JC/SP
Sample : K3831-02MS
Misc : 14.82g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MS

Quant Time: Jul 19 22:57:27 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



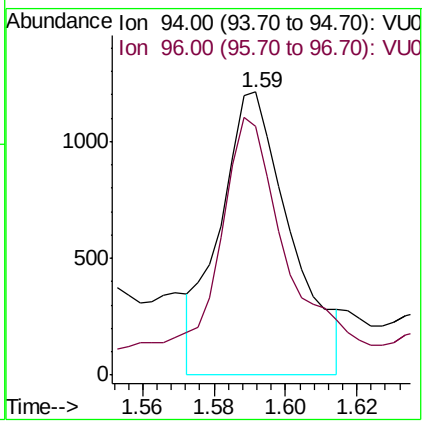


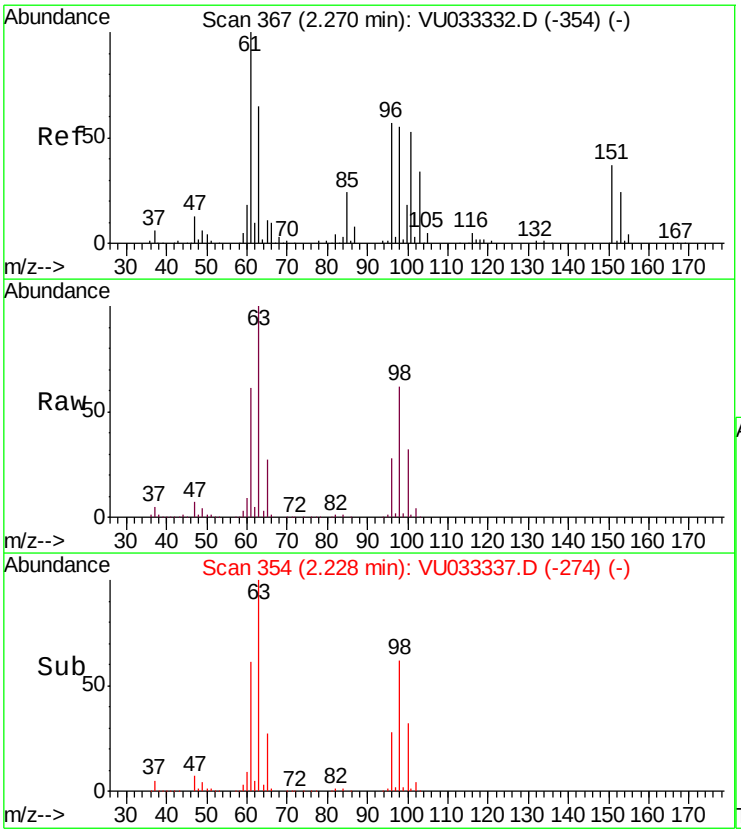
#6
Bromomethane
Concen: 0.841 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.02 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MS

Tgt Ion: 94 Resp: 1665

Ion	Ratio	Lower	Upper
94	100		
96	87.8	66.1	122.7

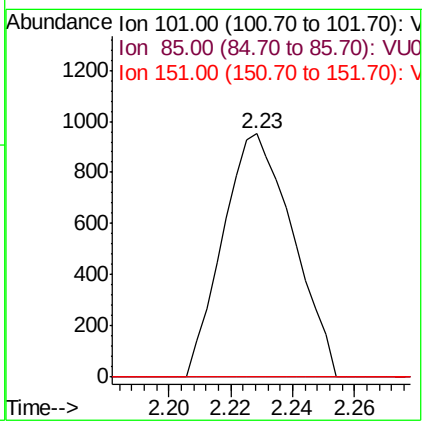


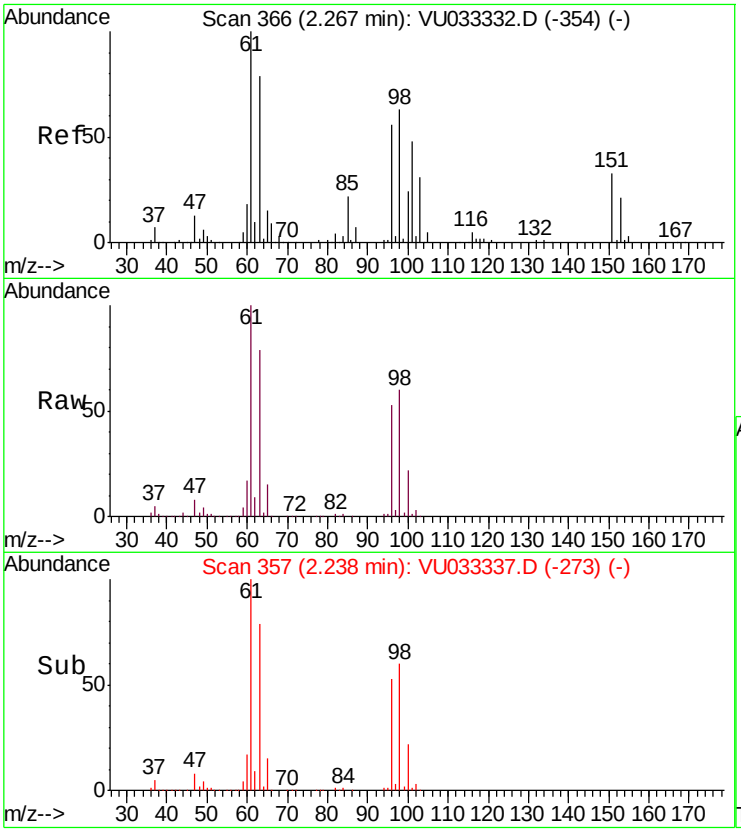


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.781 ug/L
RT: 2.23 min Scan# 354
Delta R.T. -0.04 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Tgt Ion:101 Resp: 1498

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



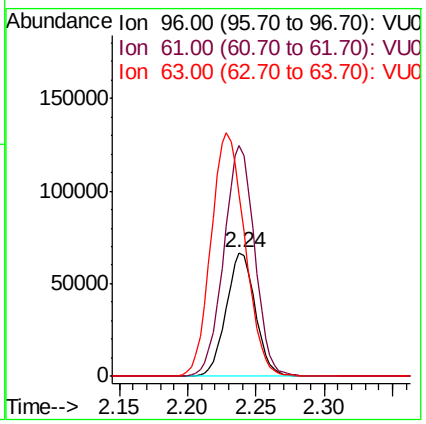


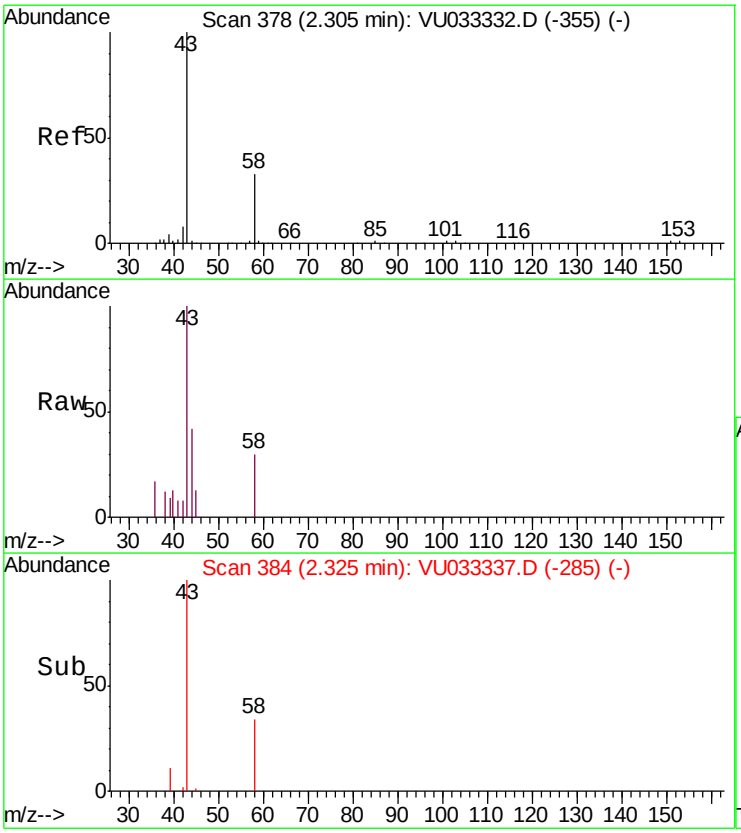
#12
1,1-Dichloroethene
Concen: 52.798 ug/L
RT: 2.24 min Scan# 357
Delta R.T. -0.03 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Instrument : MSVOA_U
ClientSampleId : GAMR0MS

Tgt Ion: 96 Resp: 99137

Ion	Ratio	Lower	Upper
96	100		
61	187.0	126.1	234.1
63	146.8	96.8	179.8

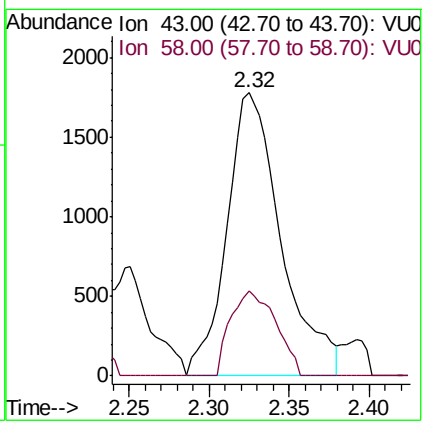


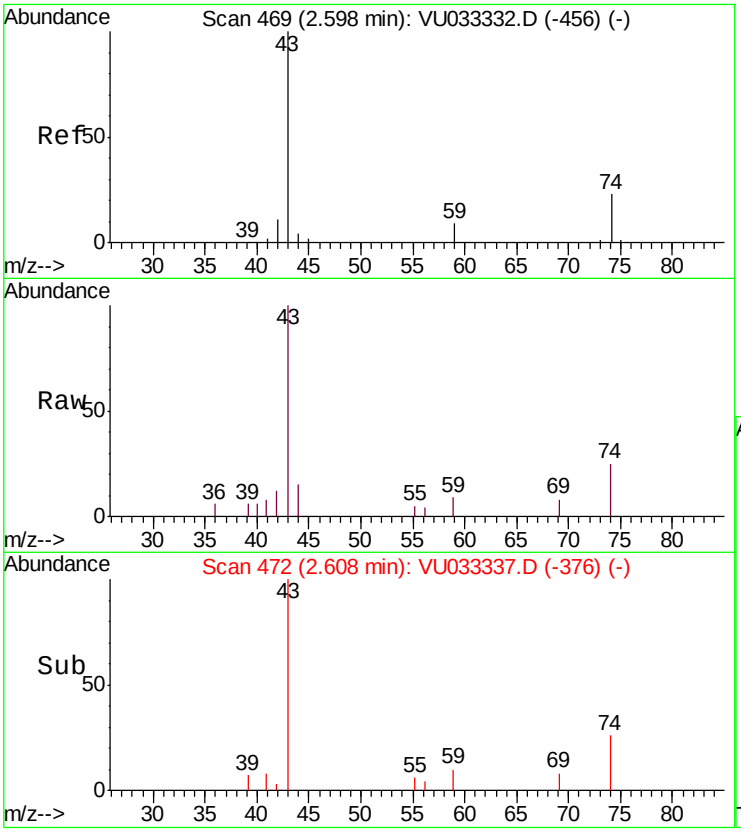


#13
Acetone
Concen: 2.457 ug/L
RT: 2.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Tgt Ion: 43 Resp: 4143

Ion	Ratio	Lower	Upper
43	100		
58	24.9	0.0	65.4



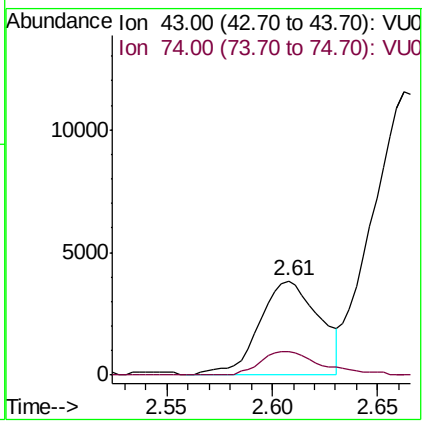


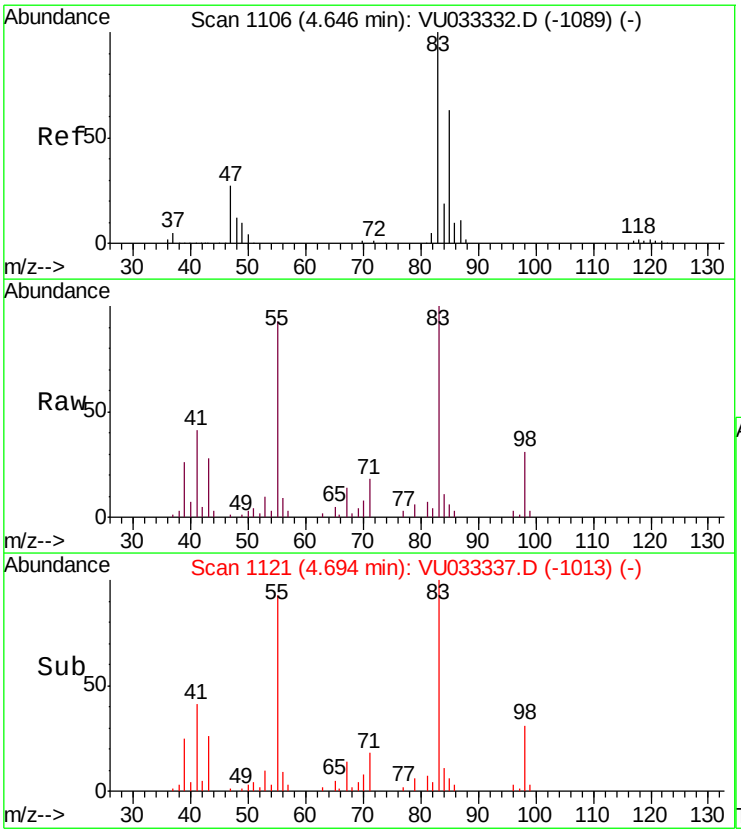
#15
Methyl Acetate
Concen: 3.457 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.01 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MS

Tgt Ion: 43 Resp: 7611

Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.9	29.9

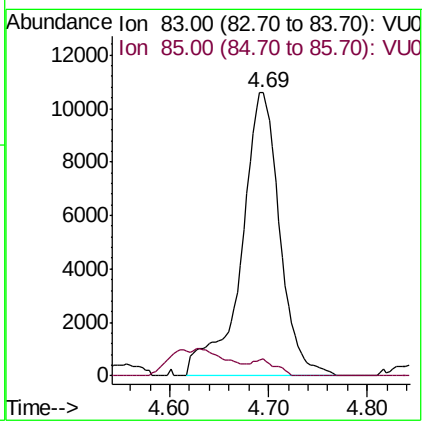


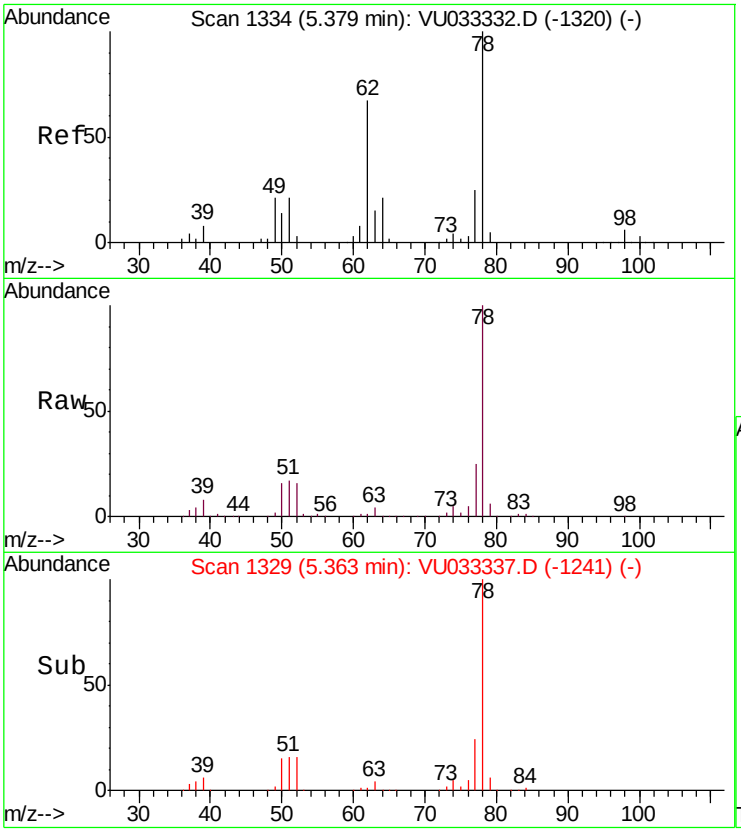


#25
Chloroform
Concen: 7.196 ug/L
RT: 4.69 min Scan# 1121
Delta R.T. 0.05 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Tgt Ion: 83 Resp: 28549

Ion	Ratio	Lower	Upper
83	100		
85	5.9	45.4	84.4#



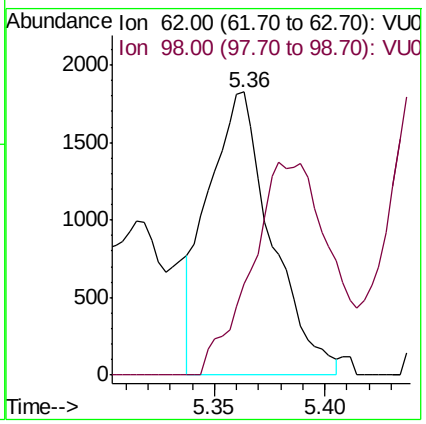


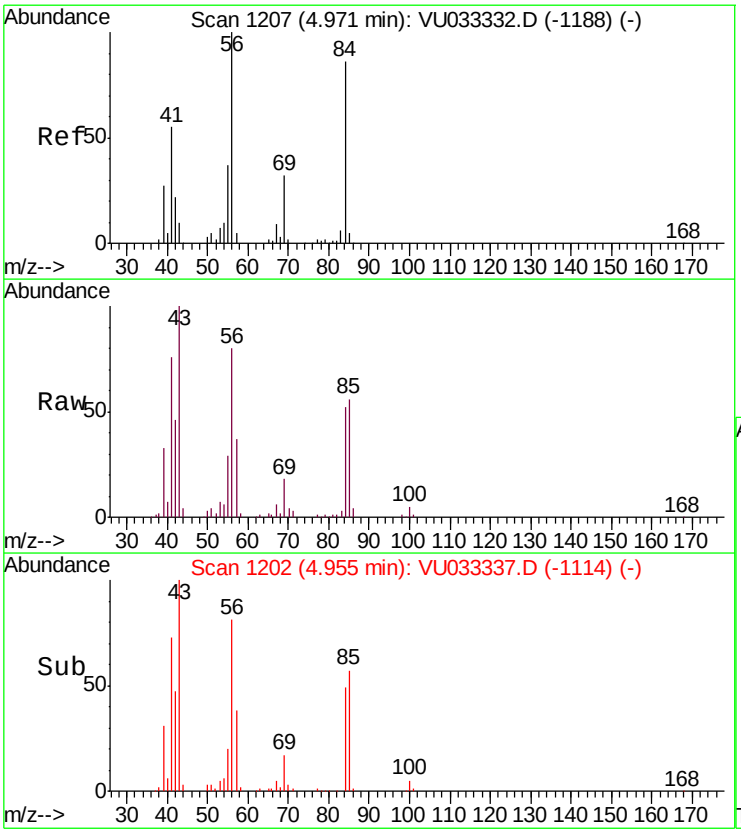
#27
1,2-Dichloroethane
Concen: 1.184 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MS

Tgt Ion: 62 Resp: 3637

Ion	Ratio	Lower	Upper
62	100		
98	32.3	7.0	10.6#

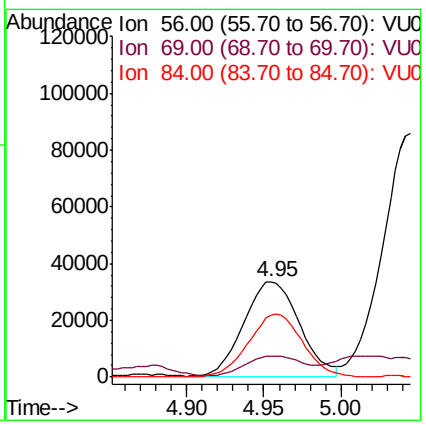


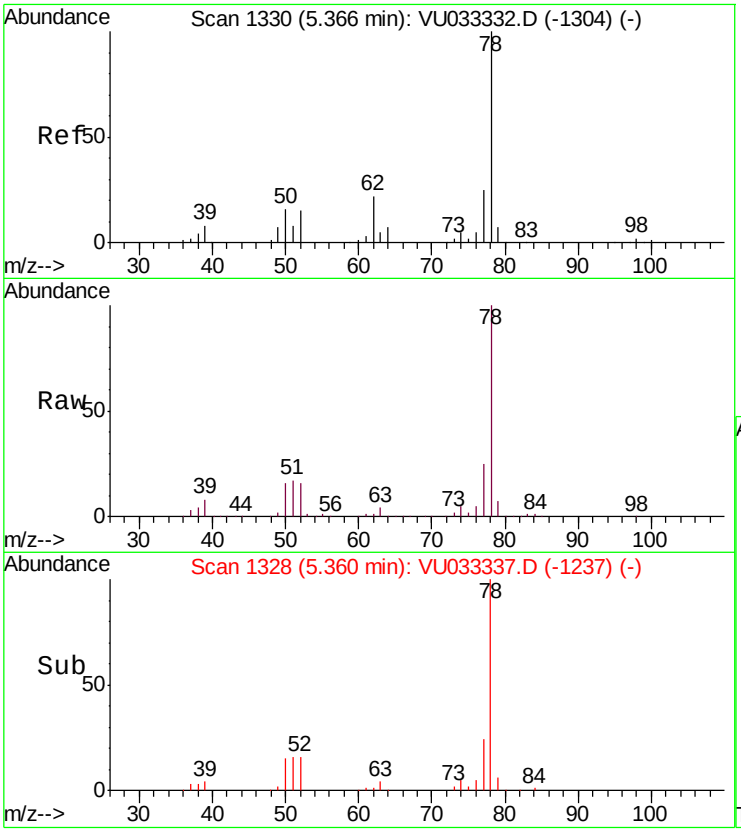


#29
Cyclohexane
Concen: 25.988 ug/L
RT: 4.95 min Scan# 1202
Delta R.T. -0.02 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Tgt Ion: 56 Resp: 82806

Ion	Ratio	Lower	Upper
56	100		
69	21.1	24.7	37.1#
84	65.4	70.2	105.2#

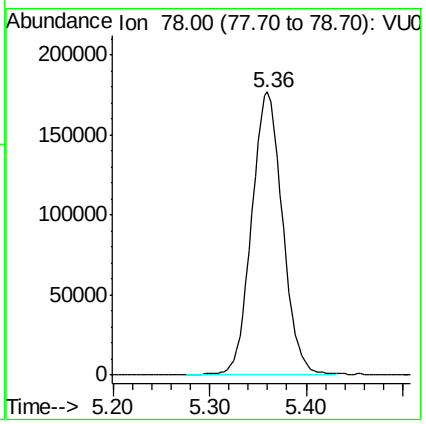


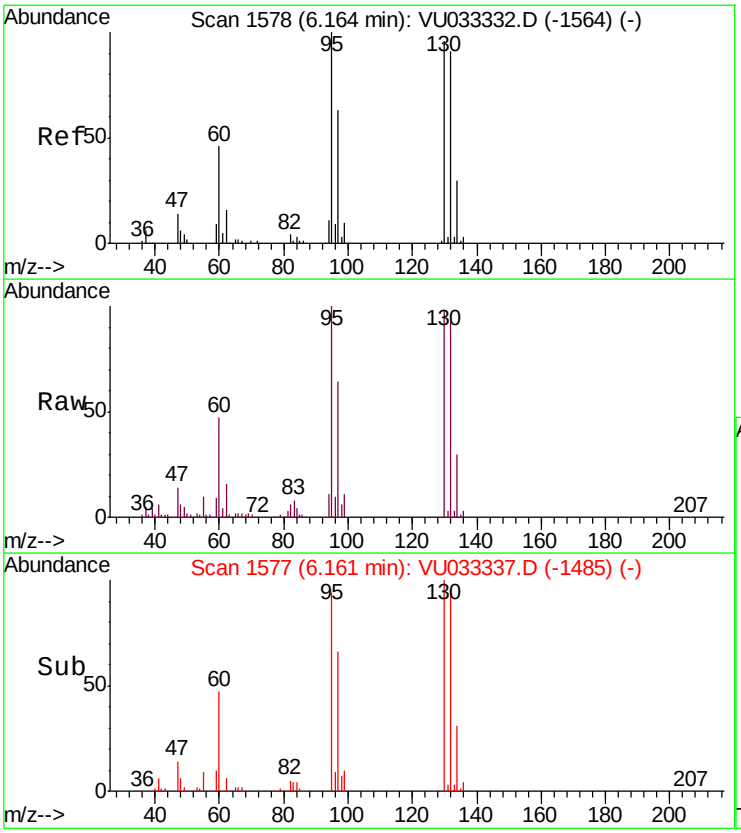


#33
Benzene
Concen: 46.163 ug/L
RT: 5.36 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MS

Tgt Ion: 78 Resp: 393665

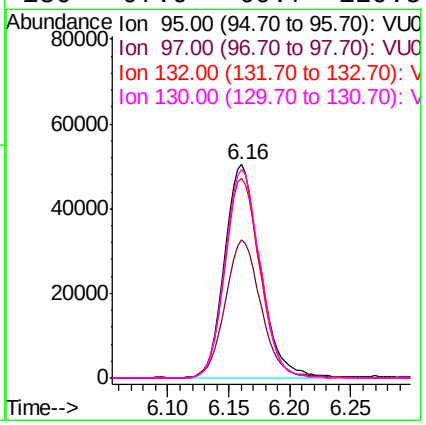


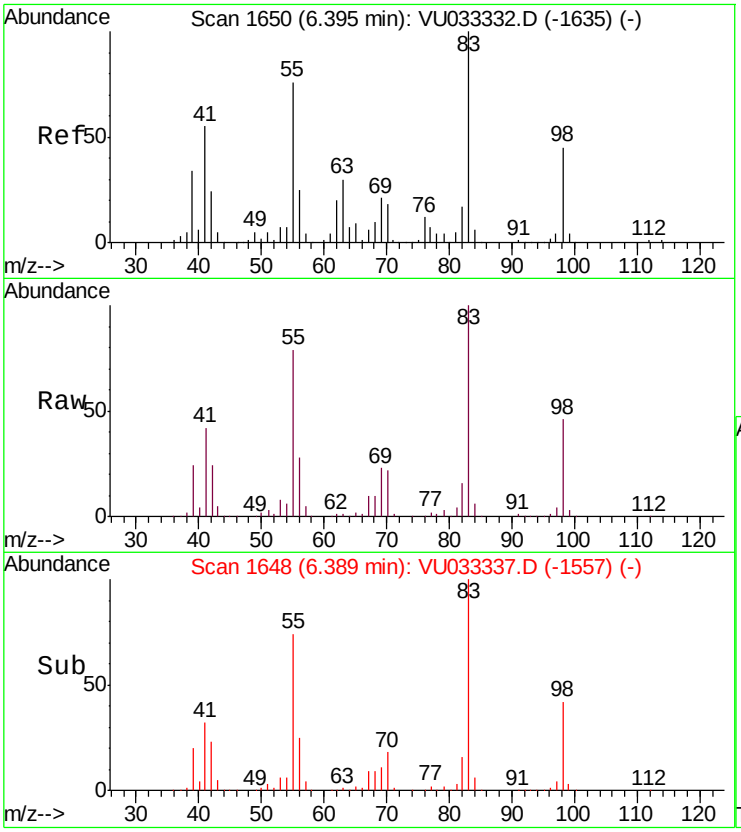


#34
Trichloroethene
Concen: 46.156 ug/L
RT: 6.16 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Tgt Ion: 95 Resp: 102939

Ion	Ratio	Lower	Upper
95	100		
97	64.5	43.8	81.4
132	93.4	65.5	121.6
130	97.9	69.7	129.5



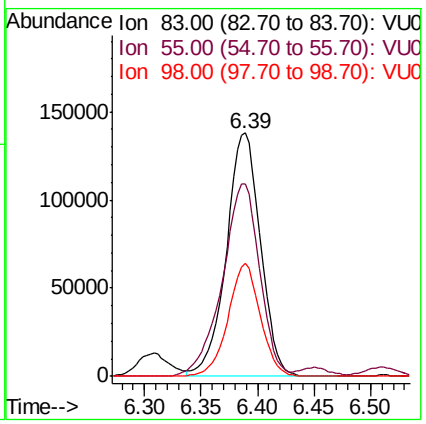


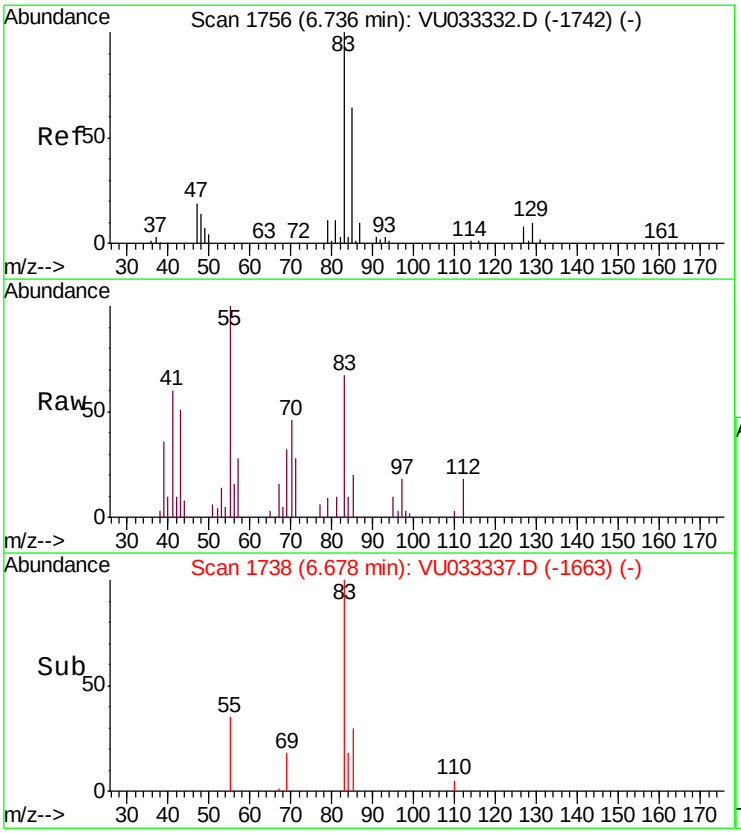
#35
Methylcyclohexane
Concen: 84.546 ug/L
RT: 6.39 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MS

Tgt Ion: 83 Resp: 288845

Ion	Ratio	Lower	Upper
83	100		
55	86.1	60.5	90.7
98	43.5	37.4	56.0

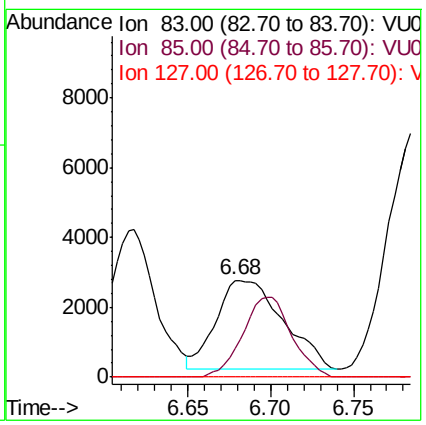


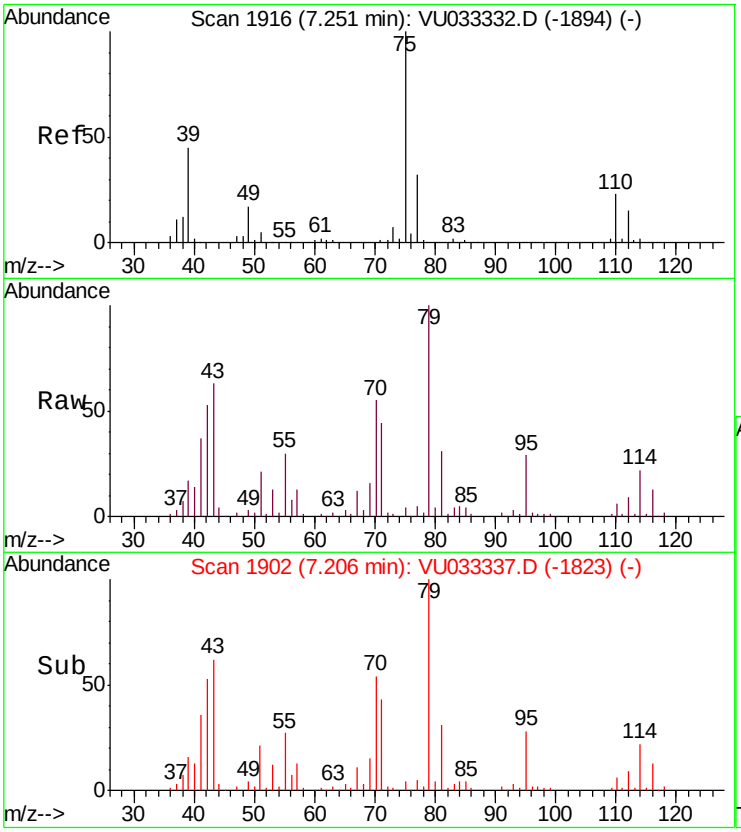


#38
Bromodichloromethane
Concen: 2.417 ug/L
RT: 6.68 min Scan# 1738
Delta R.T. -0.06 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Tgt Ion: 83 Resp: 7211

Ion	Ratio	Lower	Upper
83	100		
85	29.1	45.8	85.0#
127	0.0	6.8	10.2#



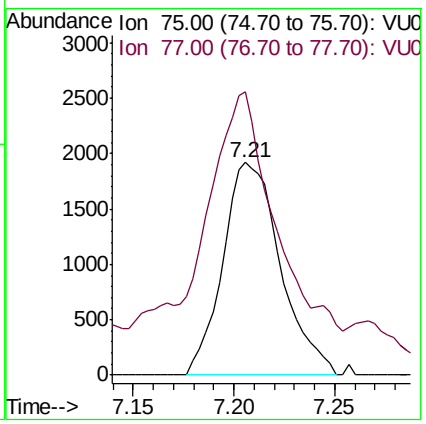


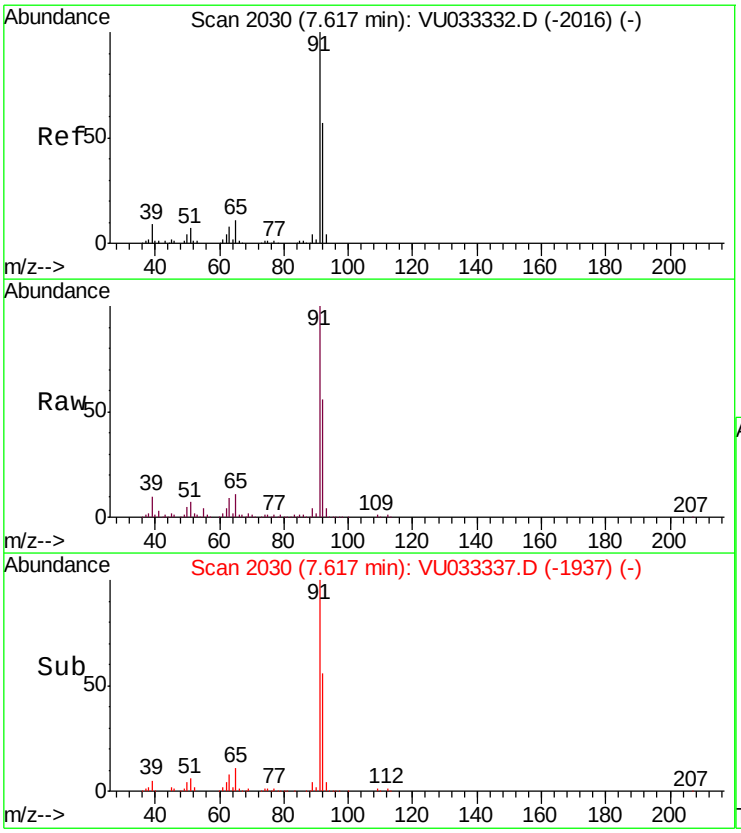
#39
cis-1,3-Dichloropropene
Concen: 1.082 ug/L
RT: 7.21 min Scan# 1902
Delta R.T. -0.04 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MS

Tgt Ion: 75 Resp: 3838

Ion	Ratio	Lower	Upper
75	100		
77	133.0	23.1	42.9#

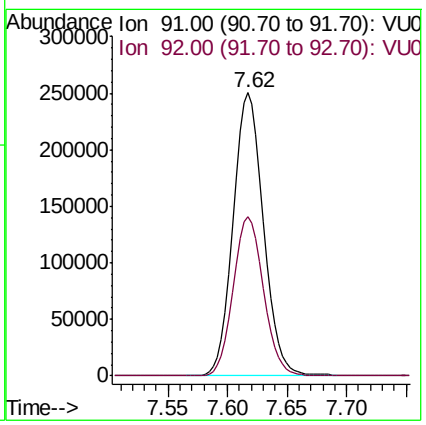


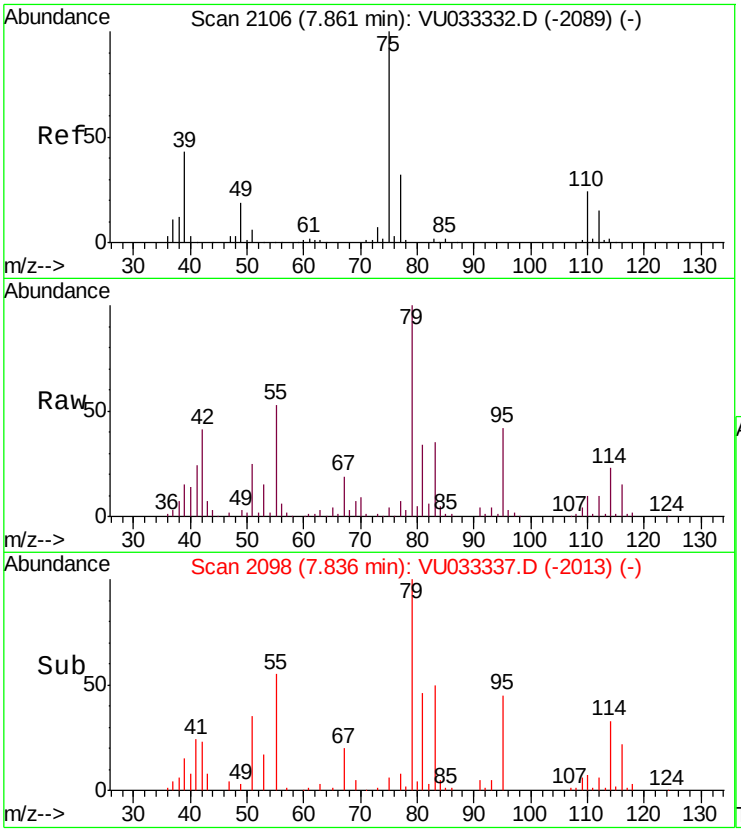


#42
Toluene
Concen: 47.842 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Tgt Ion: 91 Resp: 439856

Ion	Ratio	Lower	Upper
91	100		
92	56.3	39.8	74.0



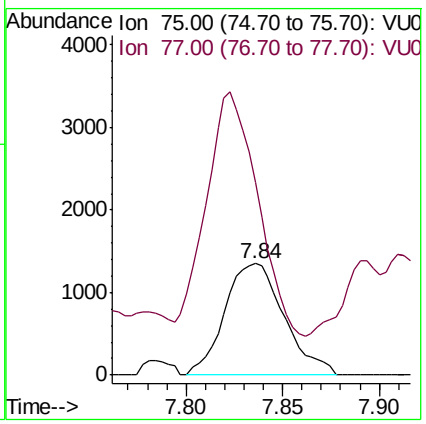


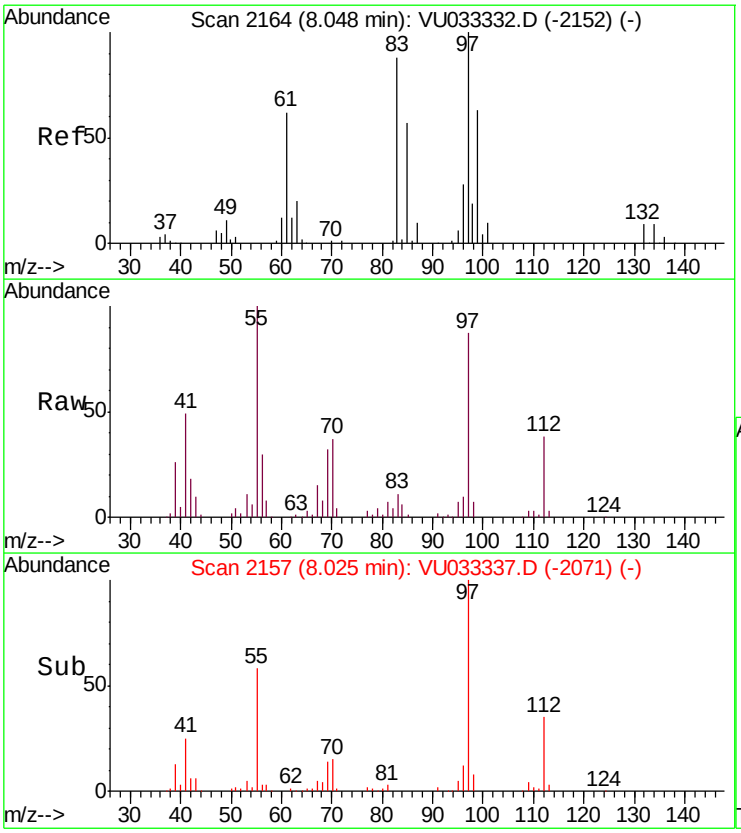
#44
trans-1,3-Dichloropropene
Concen: 0.903 ug/L
RT: 7.84 min Scan# 2098
Delta R.T. -0.03 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MS

Tgt Ion: 75 Resp: 2888

Ion	Ratio	Lower	Upper
75	100		
77	172.0	22.4	41.6#

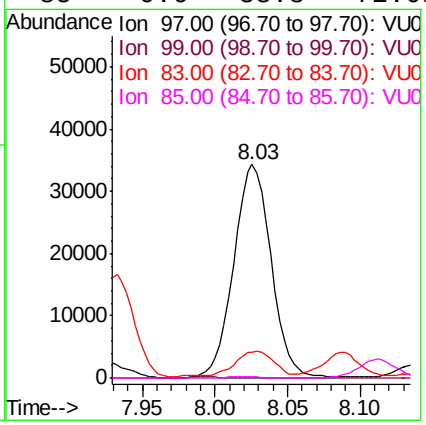


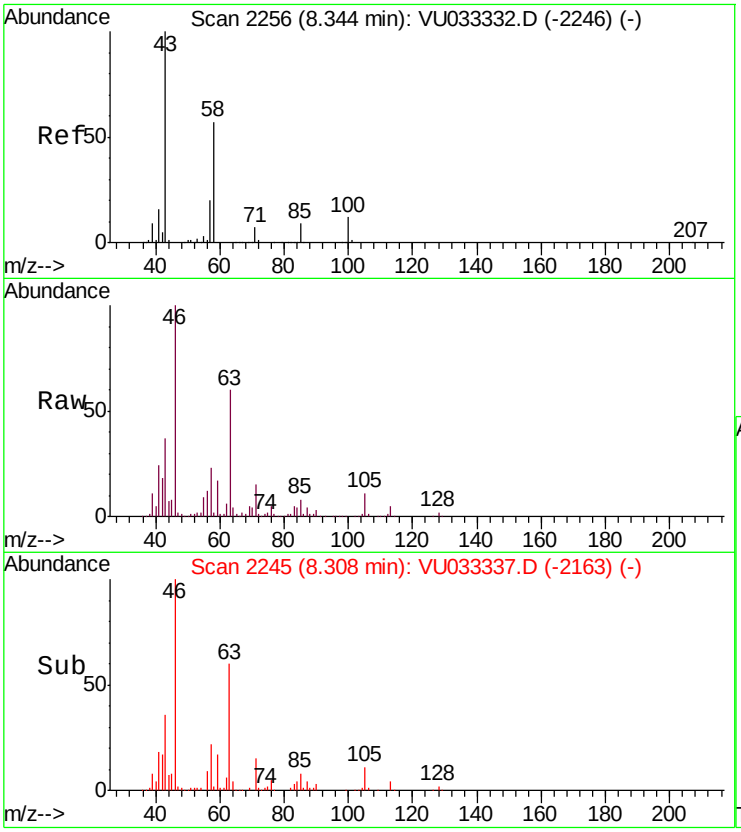


#45
1,1,2-Trichloroethane
Concen: 28.190 ug/L
RT: 8.03 min Scan# 2157
Delta R.T. -0.02 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Tgt Ion: 97 Resp: 61660

Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.0	79.8#
83	12.3	61.5	114.3#
85	0.6	38.8	72.0#



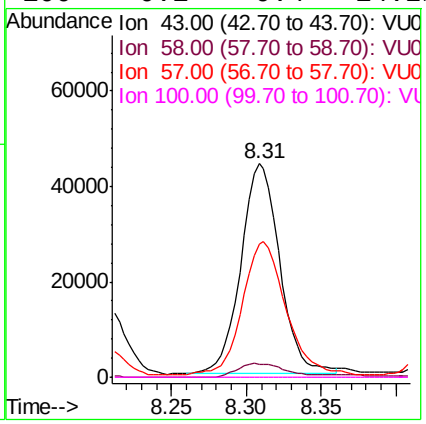


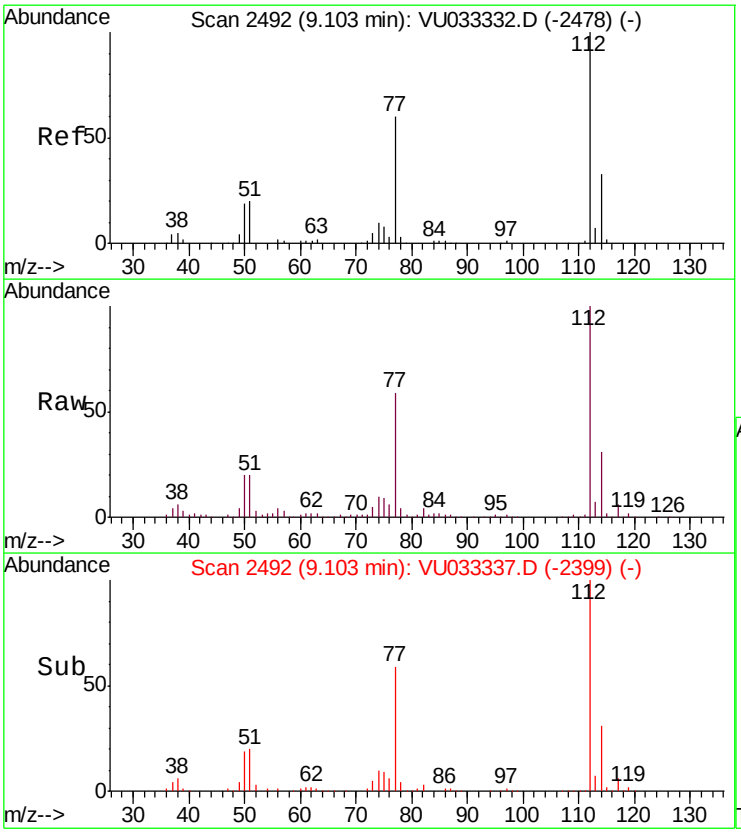
#48
2-Hexanone
Concen: 31.380 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.04 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Instrument : MSVOA_U
ClientSampleId : GAMR0MS

Tgt Ion: 43 Resp: 79314

Ion	Ratio	Lower	Upper
43	100		
58	4.5	46.1	69.1#
57	71.1	15.8	23.8#
100	0.1	9.4	14.2#

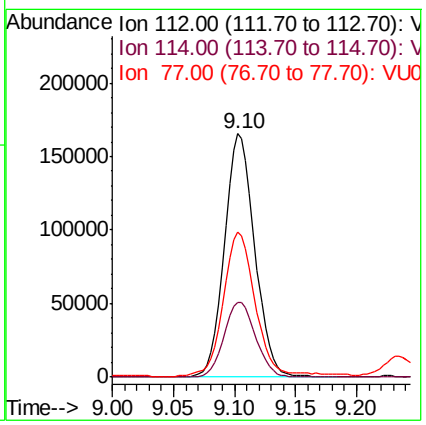


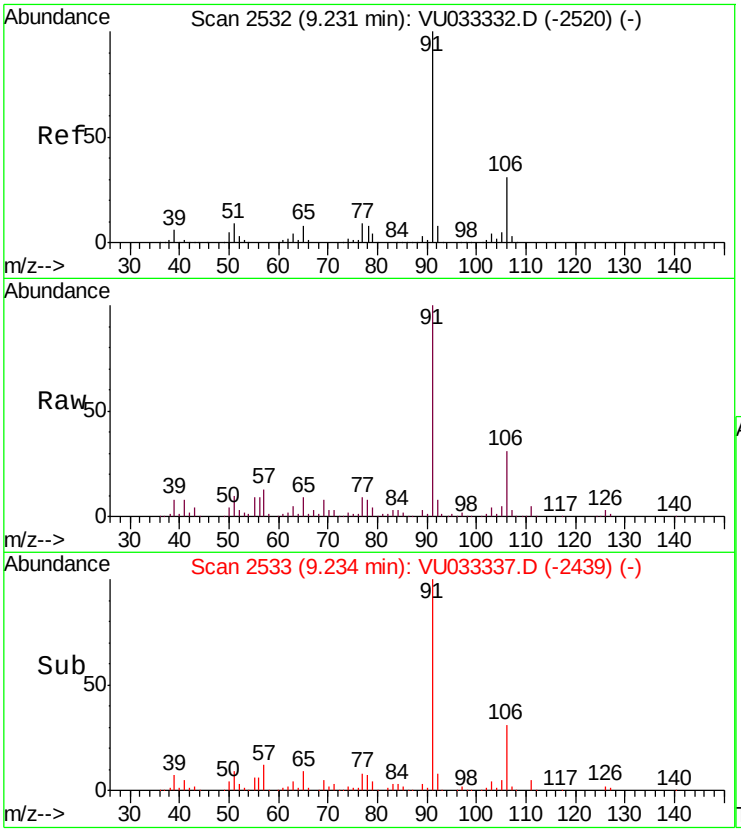


#51
Chlorobenzene
Concen: 47.802 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Tgt Ion:112 Resp: 286857

Ion	Ratio	Lower	Upper
112	100		
114	30.8	22.3	41.3
77	59.3	47.2	70.8



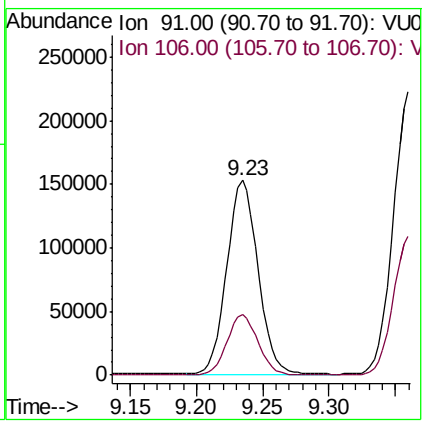


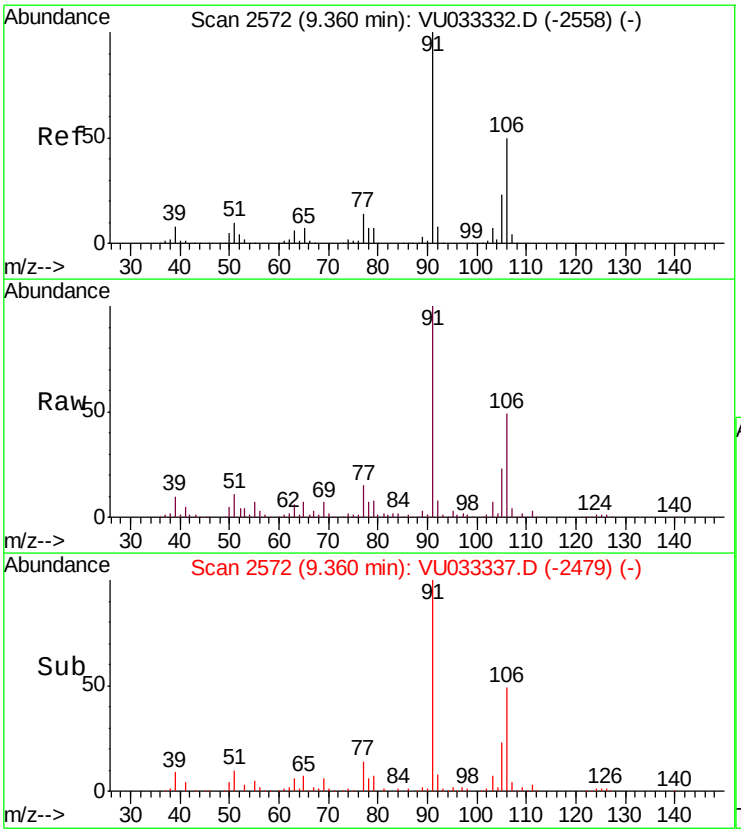
#52
Ethylbenzene
Concen: 25.484 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MS

Tgt Ion: 91 Resp: 250711

Ion	Ratio	Lower	Upper
91	100		
106	30.9	22.2	41.2

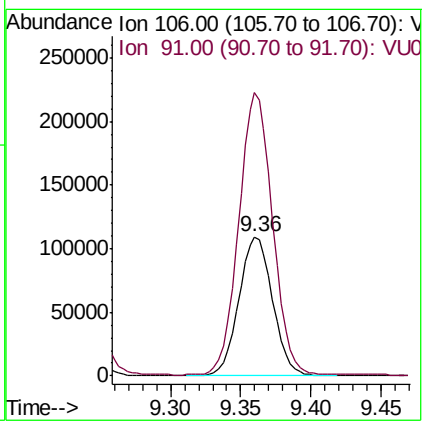


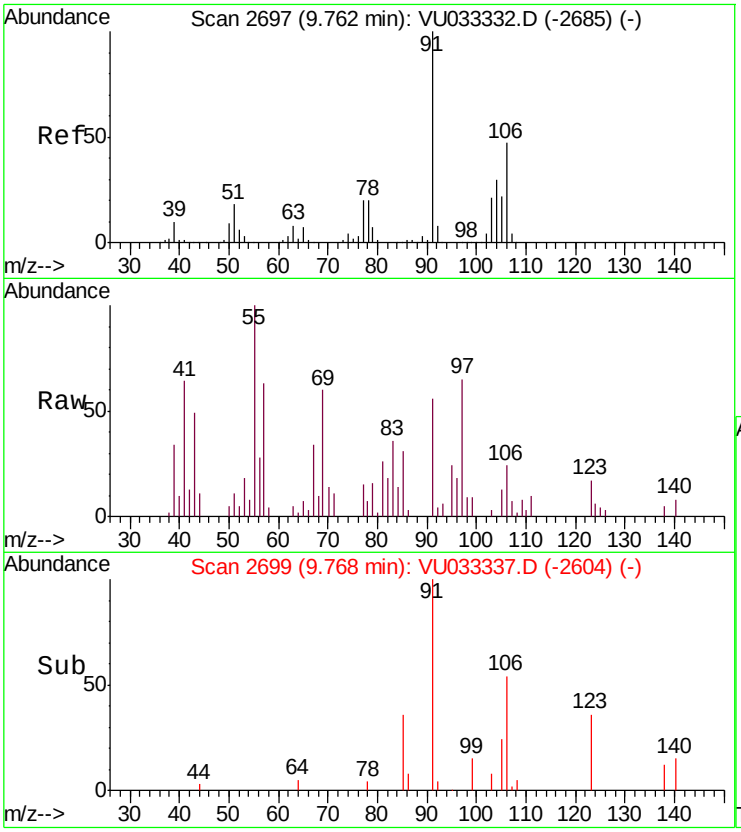


#53
m,p-Xylene
Concen: 48.977 ug/L
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Tgt Ion:106 Resp: 182504

Ion	Ratio	Lower	Upper
106	100		
91	203.4	141.3	262.3



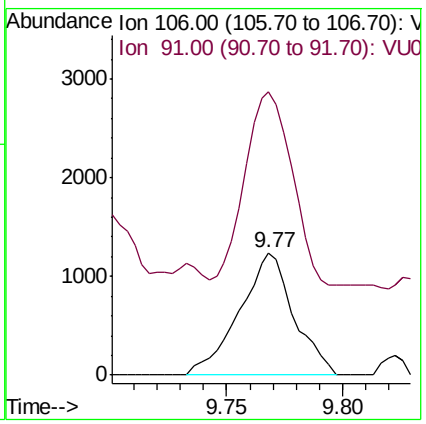


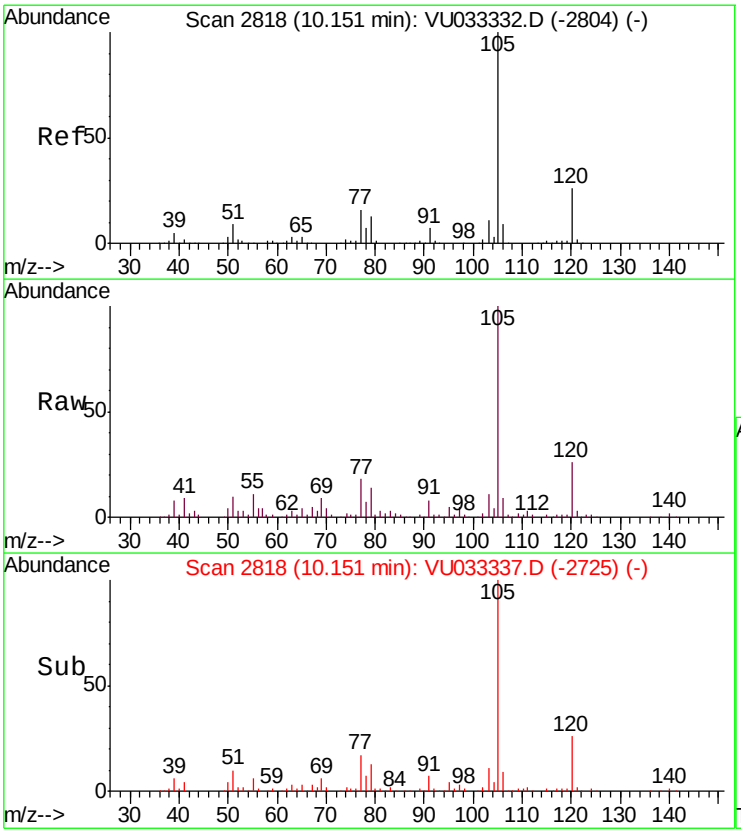
#54
o-xylene
Concen: 0.546 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. 0.01 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MS

Tgt Ion:106 Resp: 2019

Ion	Ratio	Lower	Upper
106	100		
91	230.7	150.5	279.5

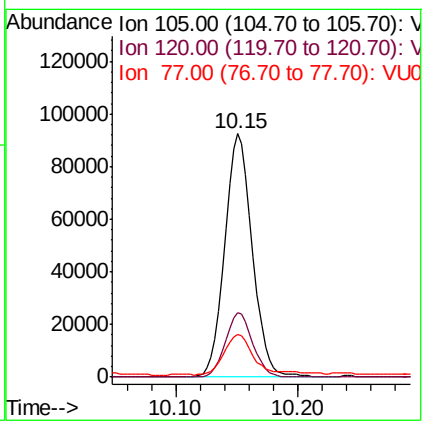


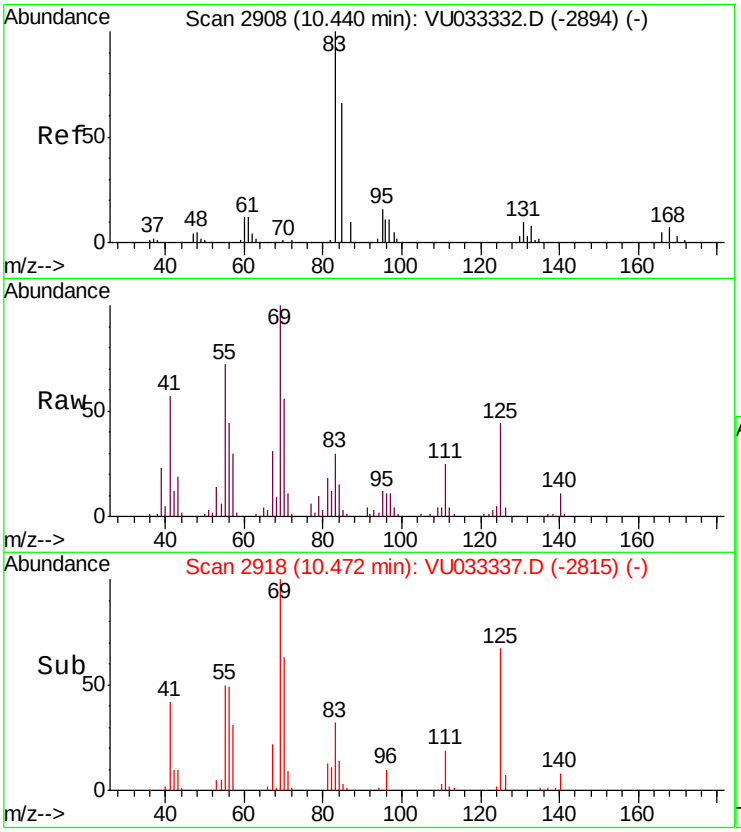


#56
Isopropylbenzene
Concen: 15.299 ug/L
RT: 10.15 min Scan# 2818
Delta R.T. 0.00 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Tgt Ion:105 Resp: 145669

Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.2	31.8
77	16.7	12.9	19.3



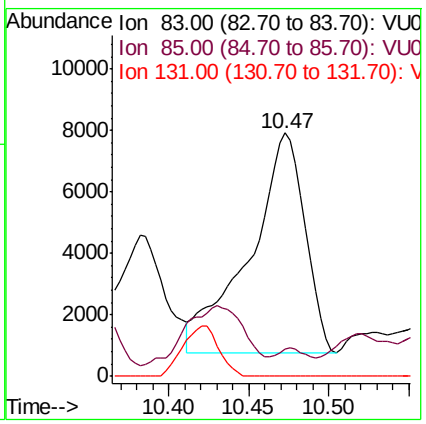


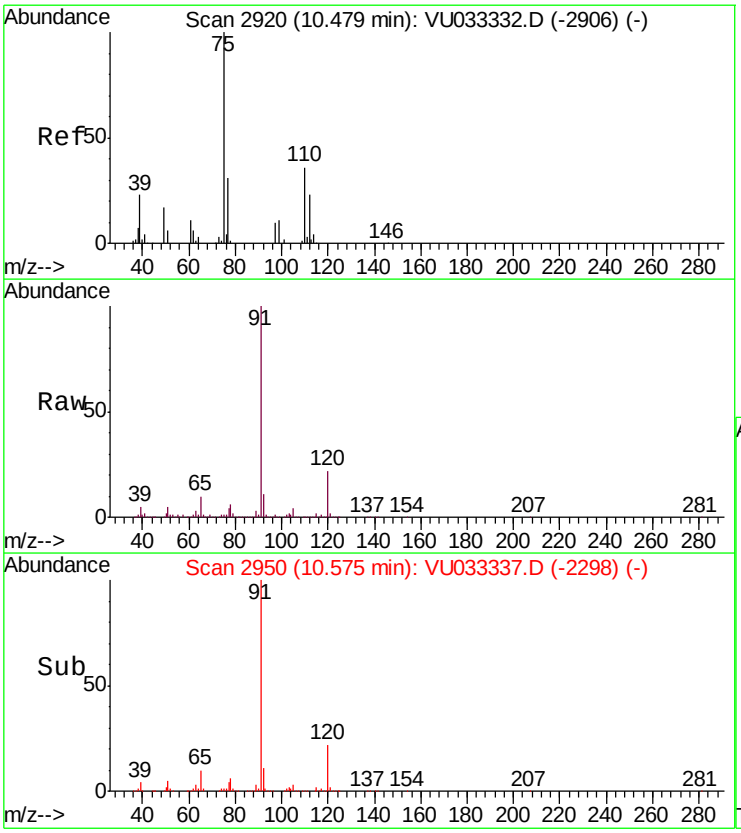
#58
1,1,2,2-Tetrachloroethane
Concen: 4.468 ug/L
RT: 10.47 min Scan# 2918
Delta R.T. 0.03 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Instrument : MSVOA_U
ClientSampleId : GAMR0MS

Tgt Ion: 83 Resp: 17167

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

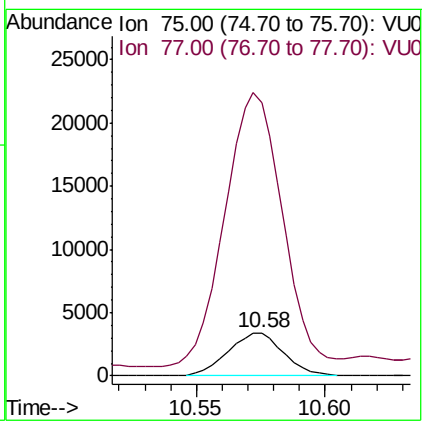


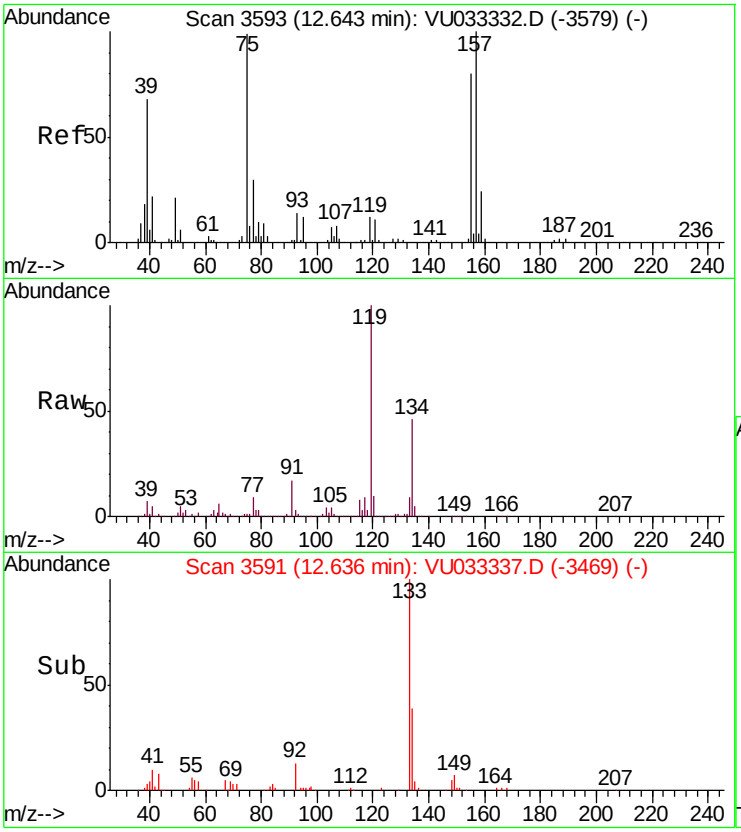


#59
1,2,3-Trichloropropane
Concen: 1.707 ug/L
RT: 10.58 min Scan# 2950
Delta R.T. 0.10 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Tgt Ion: 75 Resp: 5139

Ion	Ratio	Lower	Upper
75	100		
77	653.6	26.0	39.0#



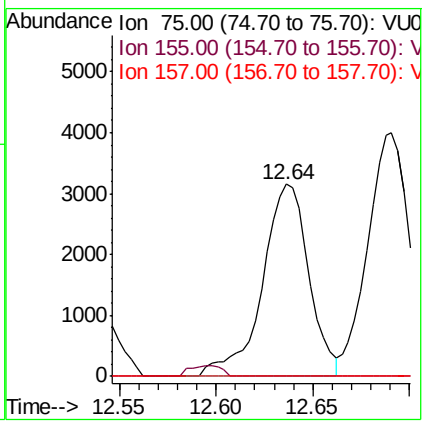


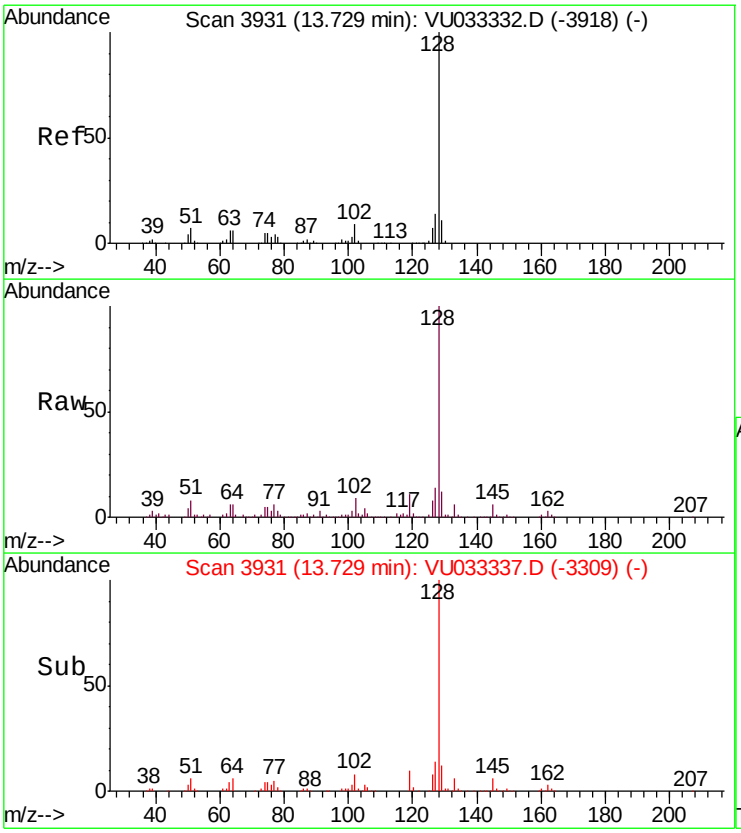
#66
1,2-Dibromo-3-chloropropane
Concen: 5.333 ug/L
RT: 12.64 min Scan# 3591
Delta R.T. -0.01 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Instrument :
MSVOA_U
ClientSampleId :
GAMR0MS

Tgt Ion: 75 Resp: 5288

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





#69
Naphthalene
Concen: 16.997 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033337.D
Acq: 19 Jul 2019 15:14

Tgt Ion:128 Resp: 174254

Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.8	16.2
129	14.1	8.7	13.1#