

Data File : VU031373.D
Acq On : 19 Apr 2019 20:40
Operator : JC/SP
Sample : K2456-02
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHQ2

Quant Time: Apr 19 23:17:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 19 23:12:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	623502	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	618173	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	306567	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	178946	31.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.32%
7) Chloroethane-d5	1.68	69	126314	25.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	50.68%#
11) 1,1-Dichloroethene-d2	2.24	63	285387	25.09	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	50.18%#
21) 2-Butanone-d5	4.21	46	248732	59.48	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	59.48%
24) Chloroform-d	4.64	84	343294	35.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.66%
26) 1,2-Dichloroethane-d4	5.31	65	195299	33.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.20%#
32) Benzene-d6	5.33	84	667947	34.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.36%#
36) 1,2-Dichloropropane-d6	6.33	67	210282	33.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	66.30%#
41) Toluene-d8	7.56	98	597771	34.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.52%#
43) trans-1,3-Dichloropropene-	7.85	79	98987	32.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.30%
47) 2-Hexanone-d5	8.34	63	290372	96.98	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.98%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	313700	35.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	71.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	257674	36.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.30%#

Target Compounds

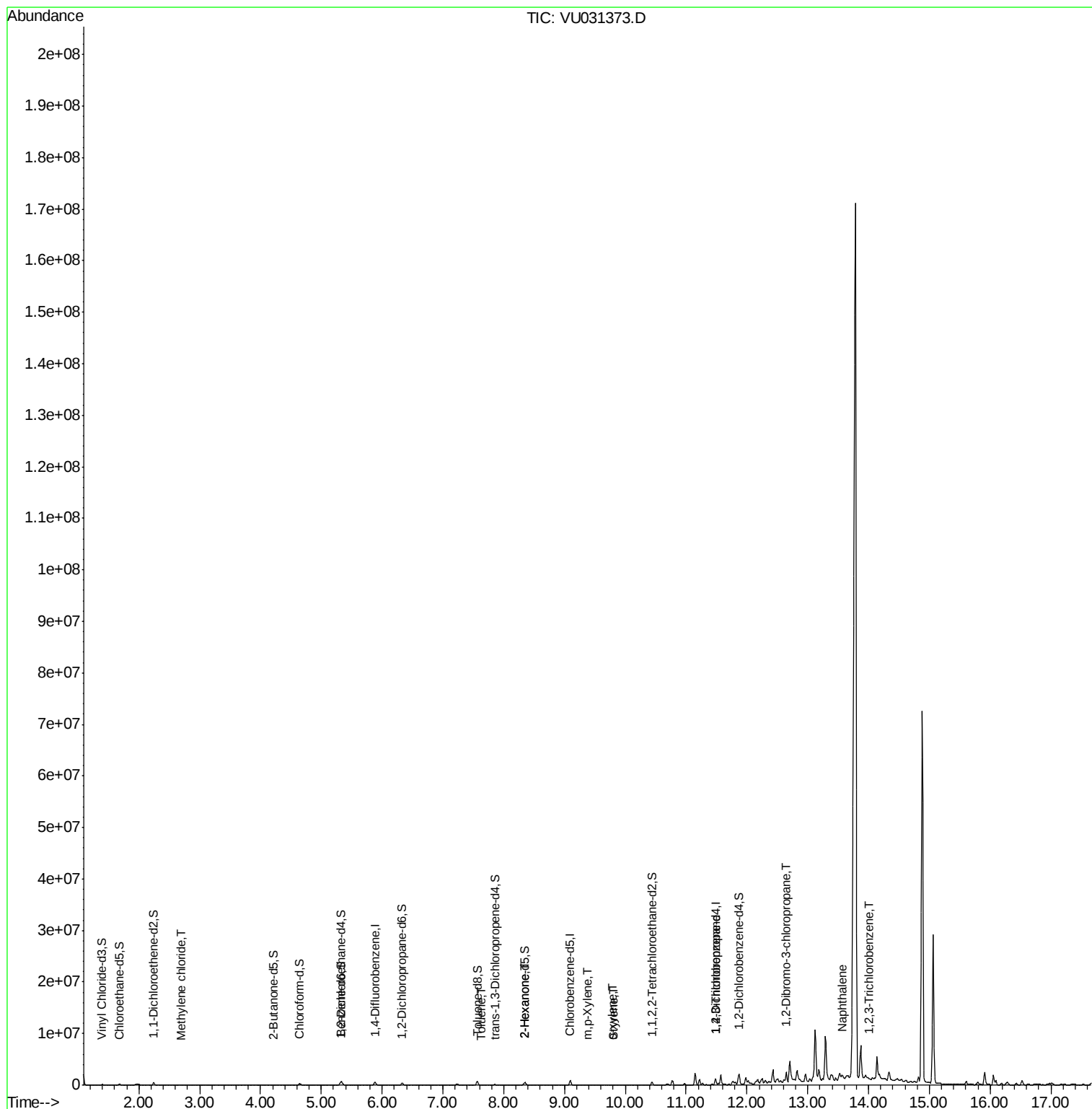
					Qvalue
16) Methylene chloride	2.69	84	3439	0.723 ug/L #	83
42) Toluene	7.64	91	20893	1.010 ug/L	90
48) 2-Hexanone	8.34	43	30575	4.948 ug/L #	66
53) m,p-Xylene	9.38	106	22171	2.790 ug/L	93
54) o-xylene	9.78	106	19006	2.362 ug/L	81
55) Styrene	9.80	104	22976	1.692 ug/L	99
59) 1,2,3-Trichloropropane	11.49	75	33434	5.105 ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.65	75	5665	2.786 ug/L #	9
69) Naphthalene	13.58	128	46666	2.421 ug/L #	1
70) 1,2,3-Trichlorobenzene	14.02	180	9298	1.393 ug/L #	1

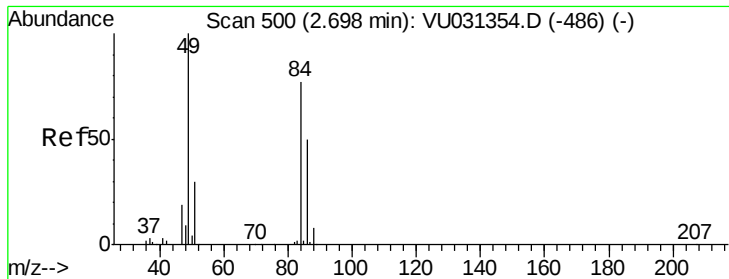
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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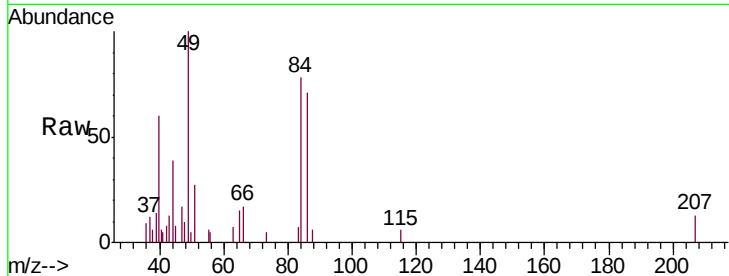




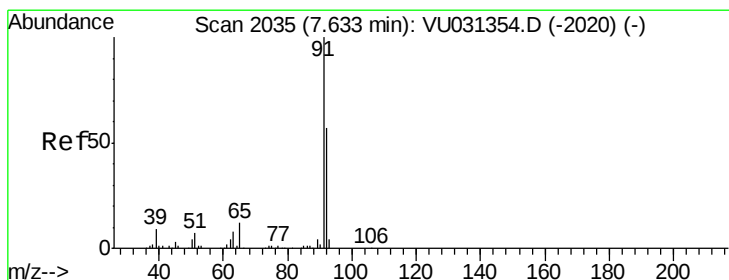
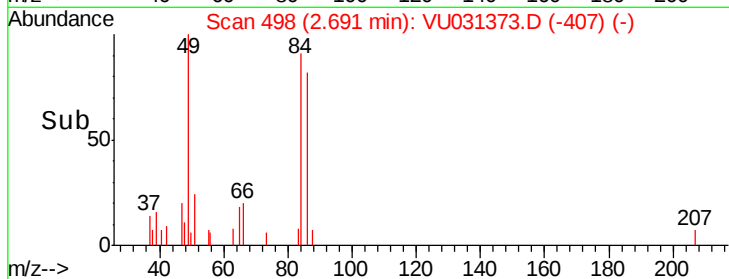
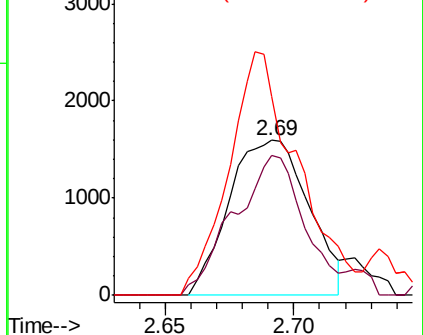
#16
Methylene chloride
Concen: 0.723 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.01 min
Lab File: VU031373.D
Acq: 19 Apr 2019 20:40

Instrument :
MSVOA_U
ClientSampleId :
GAHQ2

Tgt Ion: 84 Resp: 3439
Ion Ratio Lower Upper
84 100
86 90.4 44.0 81.8#
49 134.9 88.0 163.4

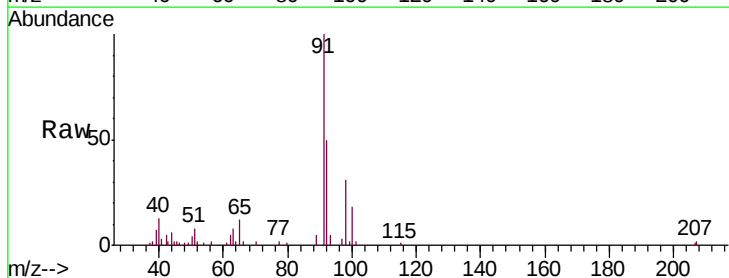


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

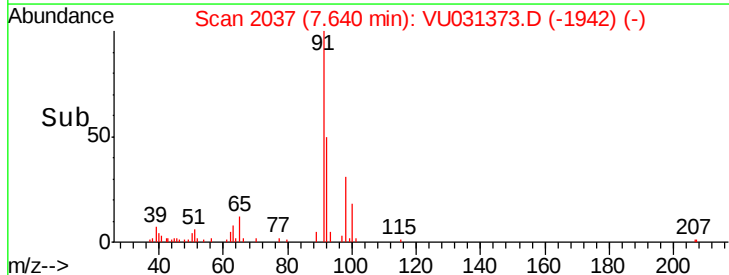
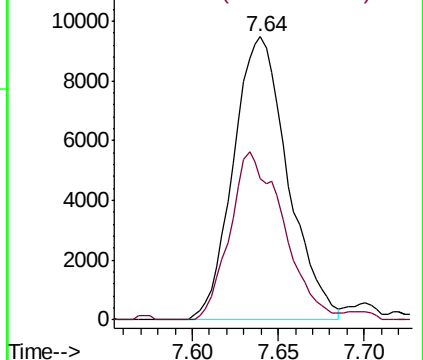


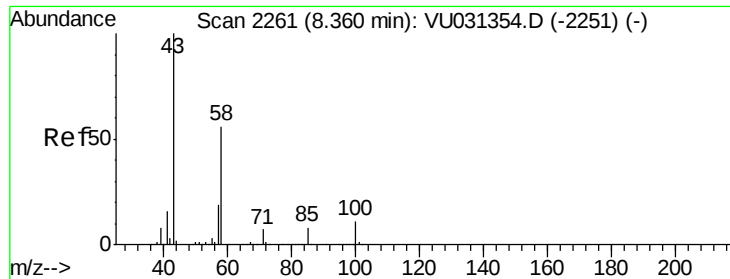
#42
Toluene
Concen: 1.010 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VU031373.D
Acq: 19 Apr 2019 20:40

Tgt Ion: 91 Resp: 20893
Ion Ratio Lower Upper
91 100
92 49.8 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





#48

2-Hexanone

Concen: 4.948 ug/L

RT: 8.34 min Scan# 2255

Delta R.T. -0.02 min

Lab File: VU031373.D

Acq: 19 Apr 2019 20:40

Instrument :

MSVOA_U

ClientSampleId :

GAHQ2

Tgt Ion: 43 Resp: 30575

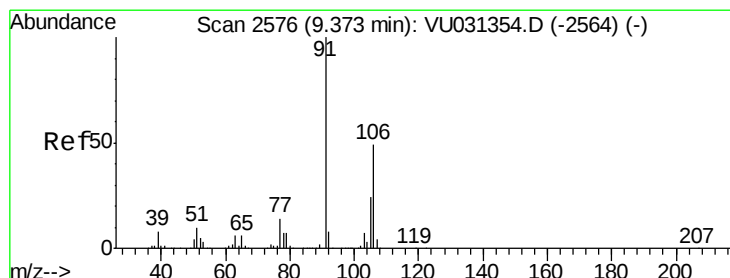
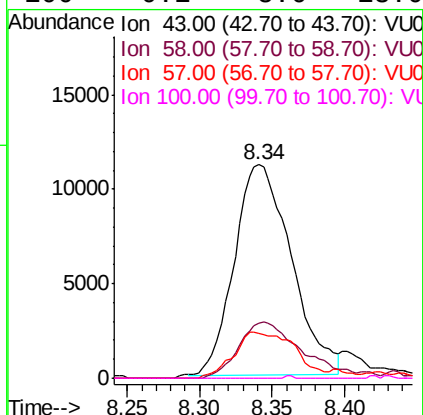
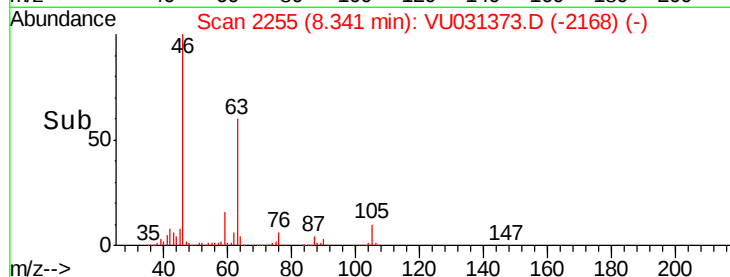
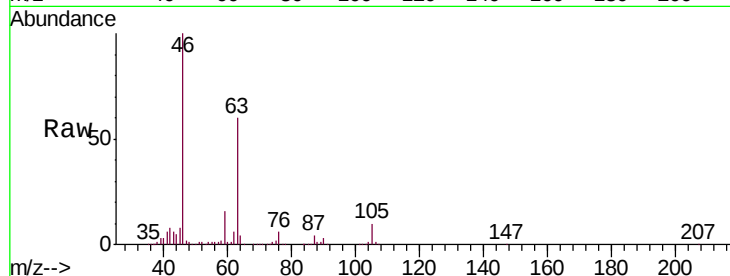
Ion Ratio Lower Upper

43 100

58 25.0 44.9 67.3#

57 13.0 15.1 22.7#

100 0.1 8.6 13.0#



#53

m,p-Xylene

Concen: 2.790 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU031373.D

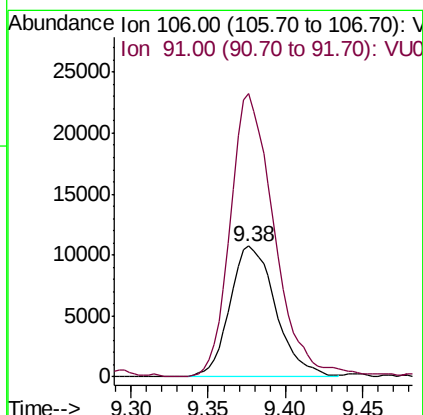
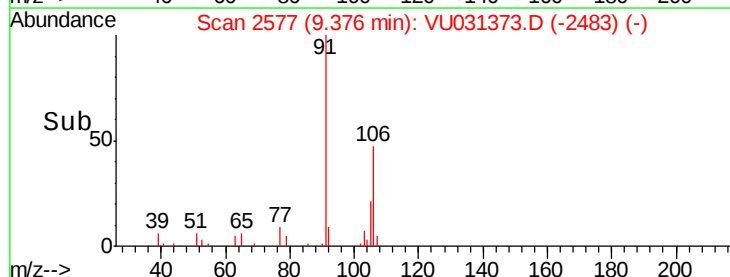
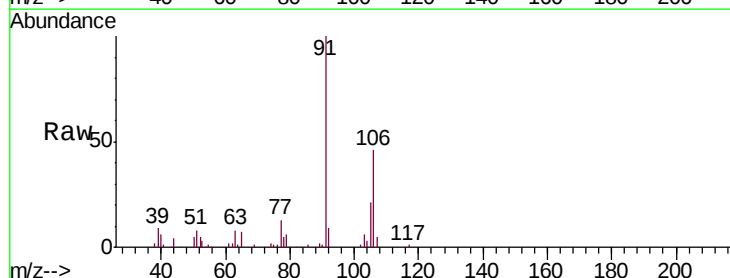
Acq: 19 Apr 2019 20:40

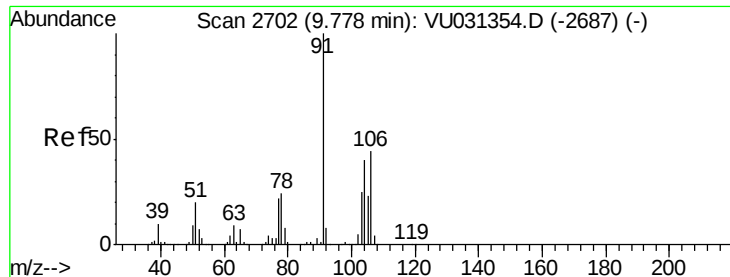
Tgt Ion: 106 Resp: 22171

Ion Ratio Lower Upper

106 100

91 216.7 144.5 268.4





#54

o-xylene

Concen: 2.362 ug/L

RT: 9.78 min Scan# 2704

Delta R.T. 0.01 min

Lab File: VU031373.D

Acq: 19 Apr 2019 20:40

Instrument :

MSVOA_U

ClientSampleId :

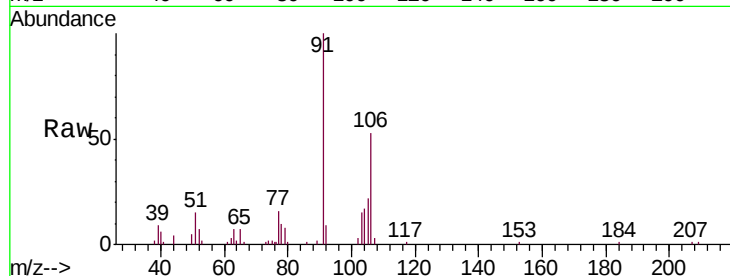
GAHQ2

Tgt Ion:106 Resp: 19006

Ion Ratio Lower Upper

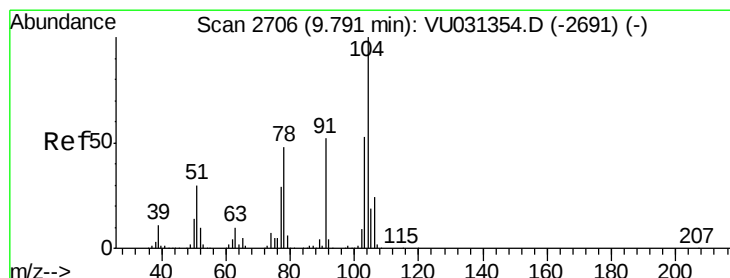
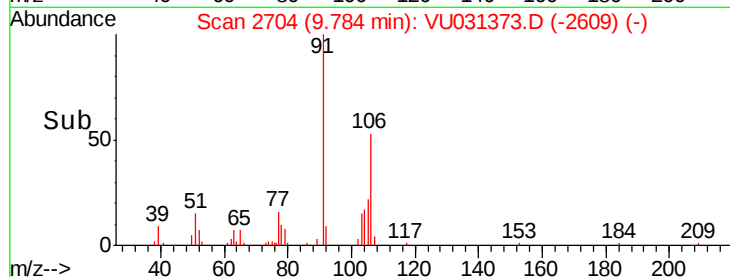
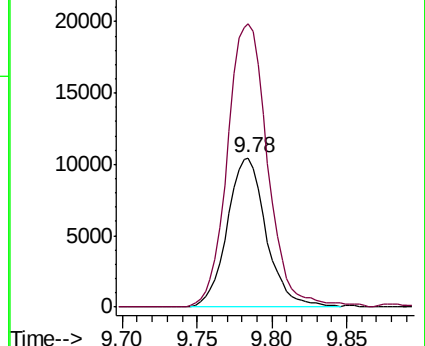
106 100

91 190.0 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.692 ug/L

RT: 9.80 min Scan# 2710

Delta R.T. 0.01 min

Lab File: VU031373.D

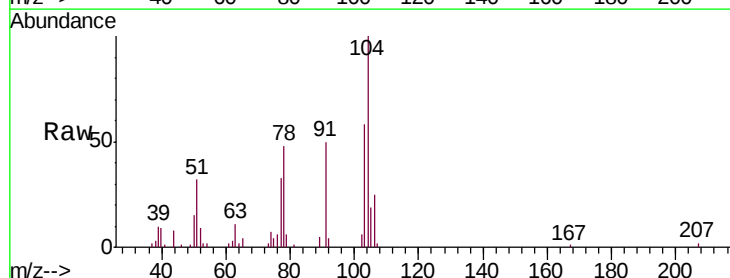
Acq: 19 Apr 2019 20:40

Tgt Ion:104 Resp: 22976

Ion Ratio Lower Upper

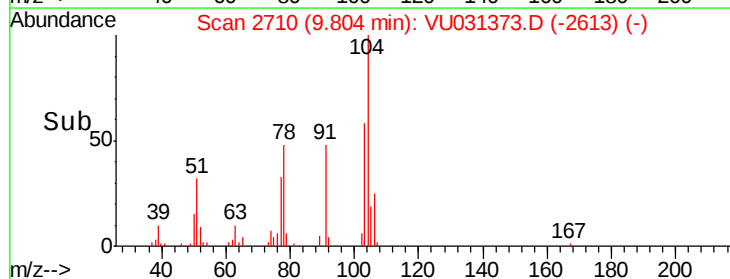
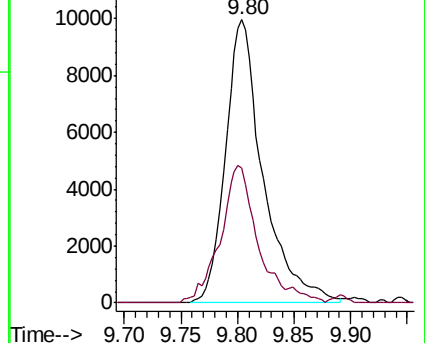
104 100

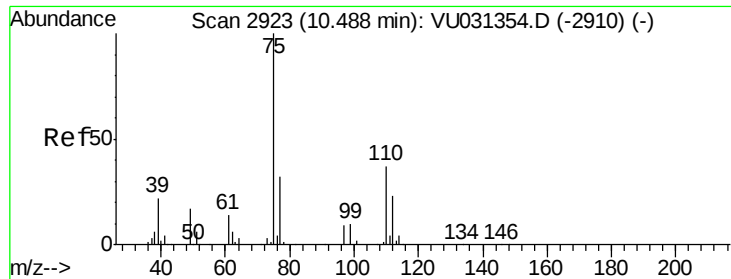
78 47.7 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

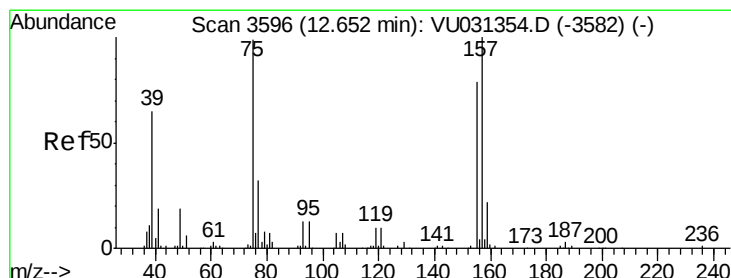
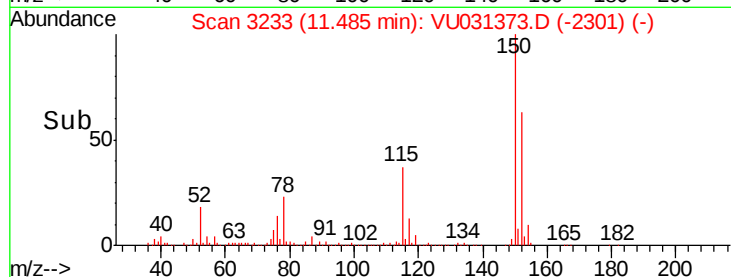
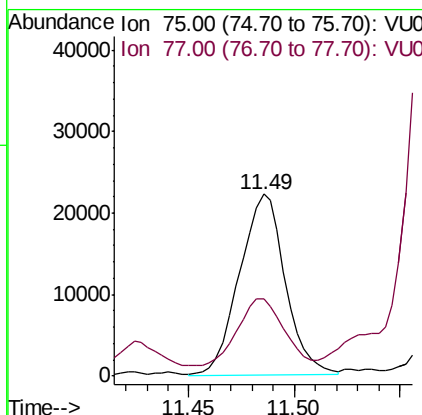
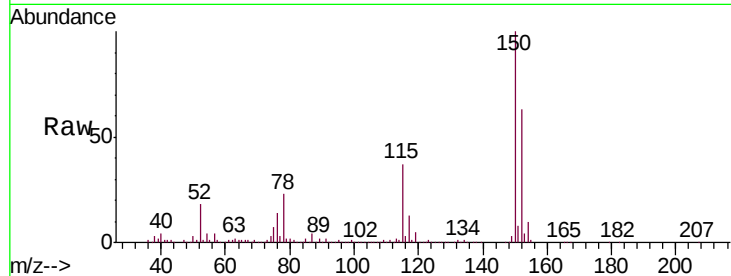




#59
 1,2,3-Trichloropropane
 Concen: 5.105 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 1.00 min
 Lab File: VU031373.D
 Acq: 19 Apr 2019 20:40

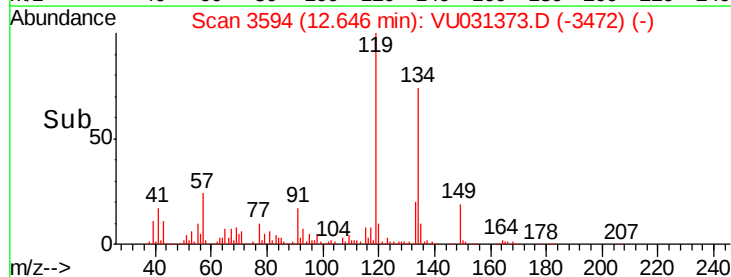
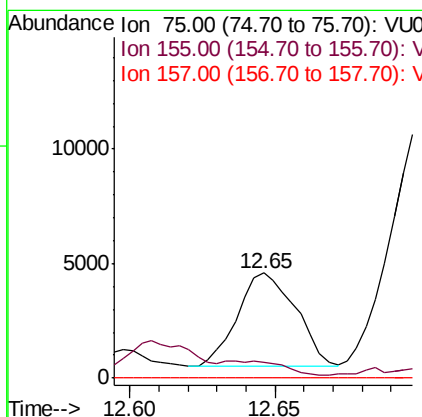
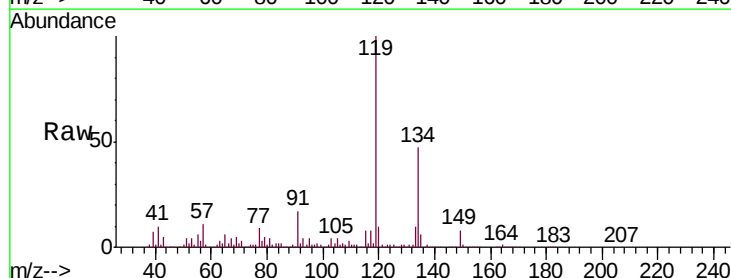
Instrument :
 MSVOA_U
 ClientSampleId :
 GAHQ2

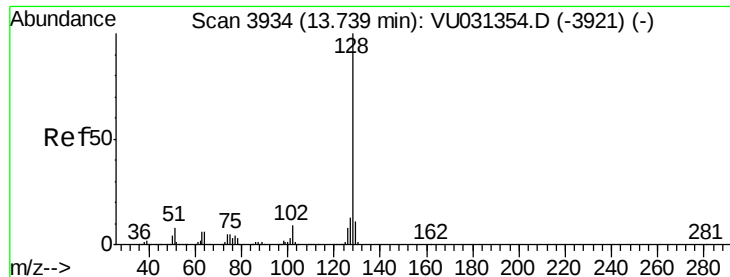
Tgt Ion: 75 Resp: 33434
 Ion Ratio Lower Upper
 75 100
 77 36.3 25.4 38.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.786 ug/L
 RT: 12.65 min Scan# 3594
 Delta R.T. -0.01 min
 Lab File: VU031373.D
 Acq: 19 Apr 2019 20:40

Tgt Ion: 75 Resp: 5665
 Ion Ratio Lower Upper
 75 100
 155 15.3 66.7 100.1#
 157 0.0 86.5 129.7#





#69

Naphthalene

Concen: 2.421 ug/L

RT: 13.58 min Scan# 3885

Delta R.T. -0.16 min

Lab File: VU031373.D

Acq: 19 Apr 2019 20:40

Instrument :

MSVOA_U

ClientSampled :

GAHQ2

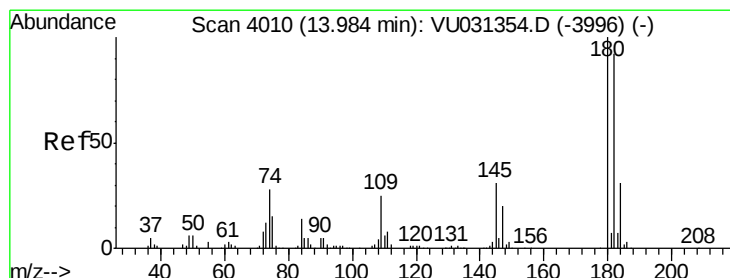
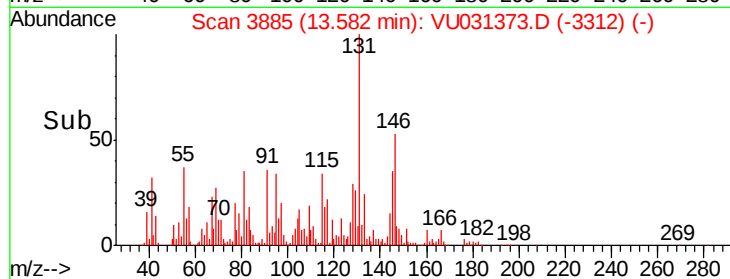
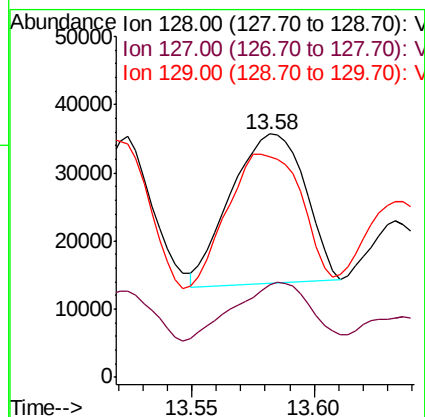
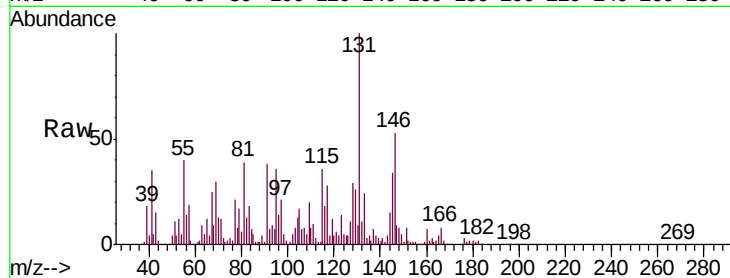
Tgt Ion:128 Resp: 46666

Ion Ratio Lower Upper

128 100

127 40.0 10.3 15.5#

129 113.3 8.2 12.2#



#70

1,2,3-Trichlorobenzene

Concen: 1.393 ug/L

RT: 14.02 min Scan# 4020

Delta R.T. 0.03 min

Lab File: VU031373.D

Acq: 19 Apr 2019 20:40

Tgt Ion:180 Resp: 9298

Ion Ratio Lower Upper

180 100

182 1.8 78.2 117.4#

145 892.0 25.0 37.6#

