

Data File : VU031371.D
Acq On : 19 Apr 2019 19:54
Operator : JC/SP
Sample : K2456-03 50X
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHS3

Quant Time: Apr 19 23:17:06 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	738993	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	585626	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	294960	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	175242	25.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	51.50%#
7) Chloroethane-d5	1.68	69	153192	25.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	51.86%#
11) 1,1-Dichloroethene-d2	2.26	63	264058	19.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	39.18%#
21) 2-Butanone-d5	4.20	46	337905	68.17	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	68.17%
24) Chloroform-d	4.64	84	337789	29.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	59.50%#
26) 1,2-Dichloroethane-d4	5.31	65	192156	27.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	54.96%#
32) Benzene-d6	5.34	84	649616	35.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.18%
36) 1,2-Dichloropropane-d6	6.33	67	252951	42.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.20%
41) Toluene-d8	7.56	98	673833	41.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.72%
43) trans-1,3-Dichloropropene-	7.85	79	99979	34.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.62%
47) 2-Hexanone-d5	8.32	63	231406	81.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	311964	37.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	74.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	247010	36.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.02%#

Target Compounds

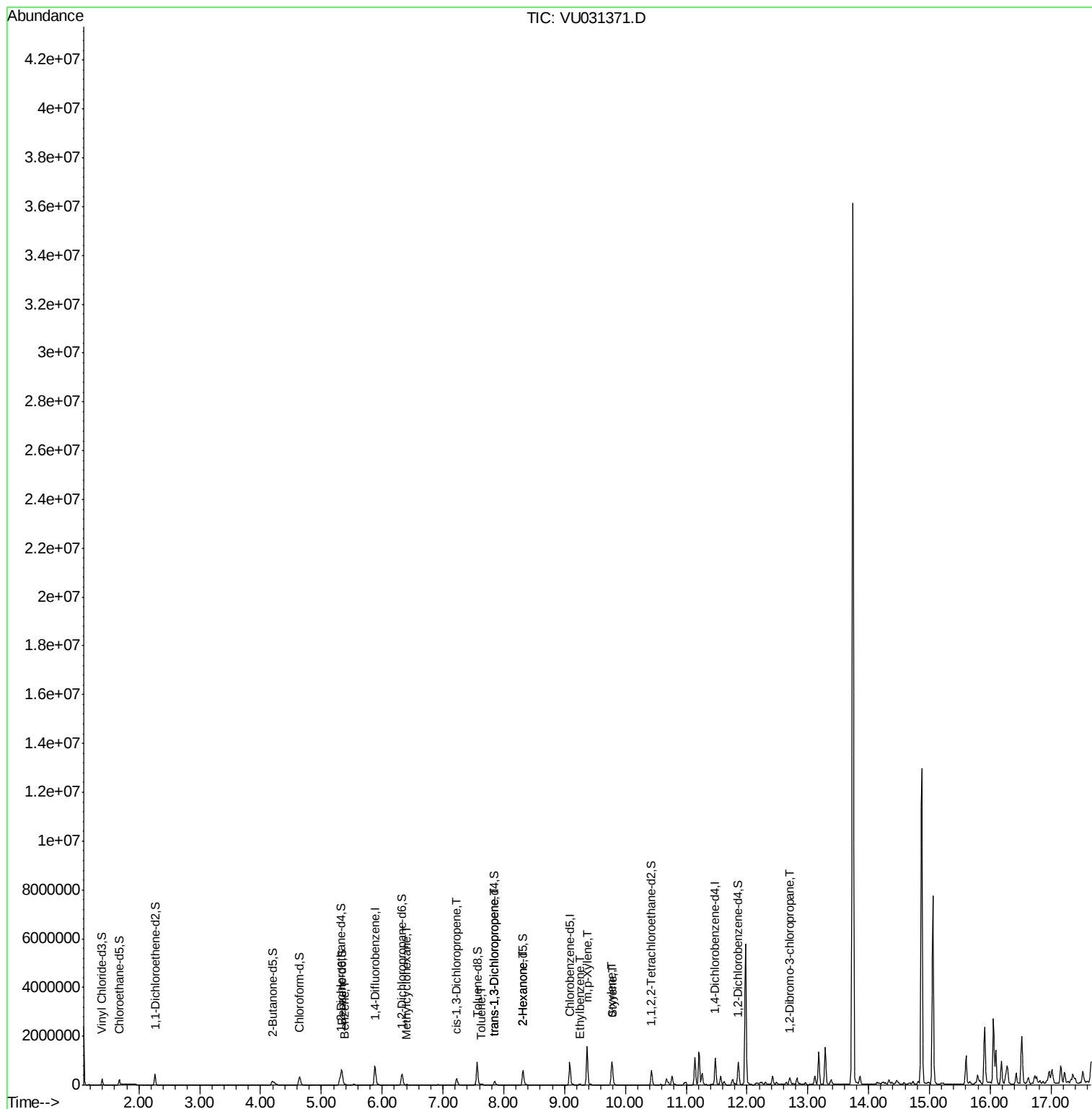
					Qvalue
33) Benzene	5.39	78	22271	1.131 ug/L	100
35) Methylcyclohexane	6.41	83	8489	1.157 ug/L #	93
39) cis-1,3-Dichloropropene	7.23	75	5930	0.759 ug/L #	71
42) Toluene	7.64	91	24754	1.263 ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	4036	0.595 ug/L	87
48) 2-Hexanone	8.31	43	24695	4.219 ug/L #	66
52) Ethylbenzene	9.25	91	39132	1.835 ug/L	97
53) m,p-Xylene	9.37	106	486502	64.633 ug/L	99
54) o-xylene	9.77	106	224321	29.429 ug/L	92
55) Styrene	9.79	104	200934	15.616 ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.70	75	3661	1.871 ug/L #	6

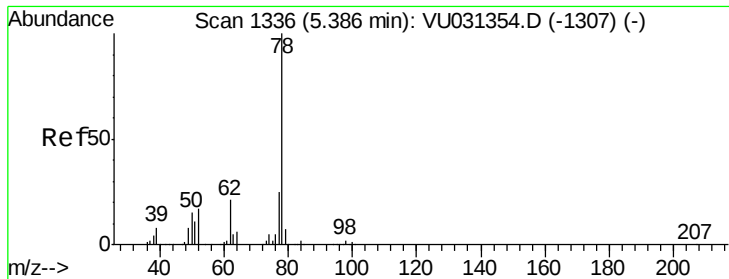
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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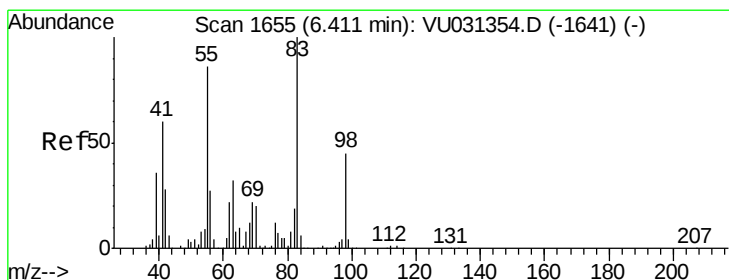
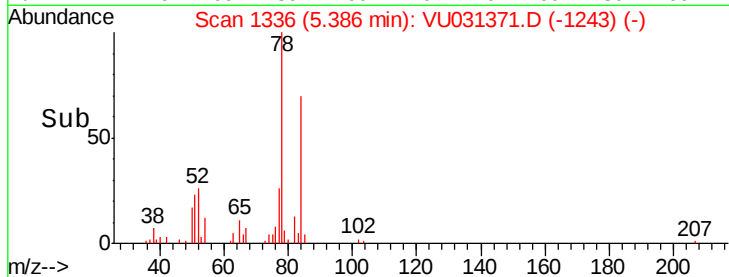
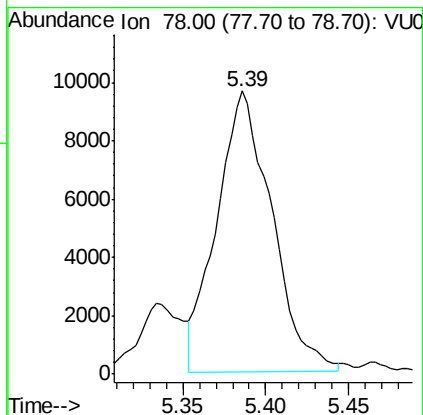
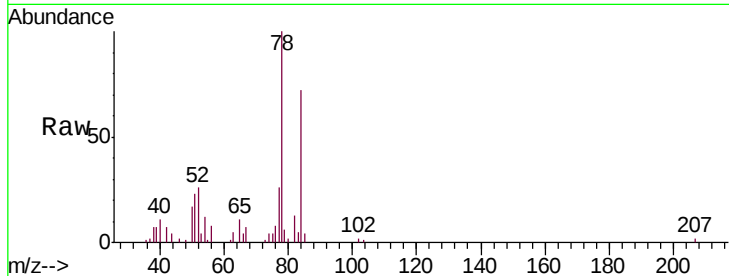
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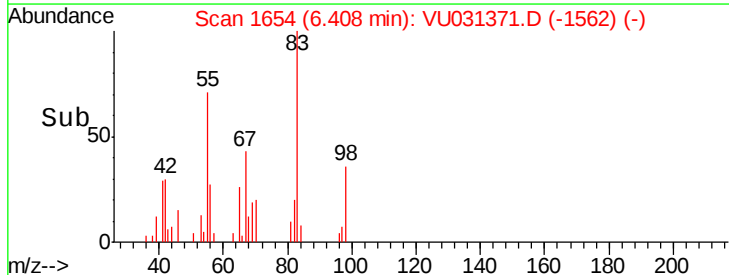
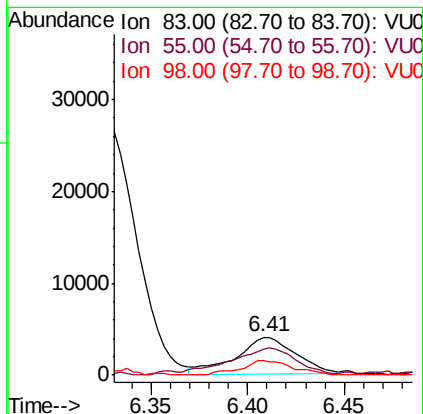
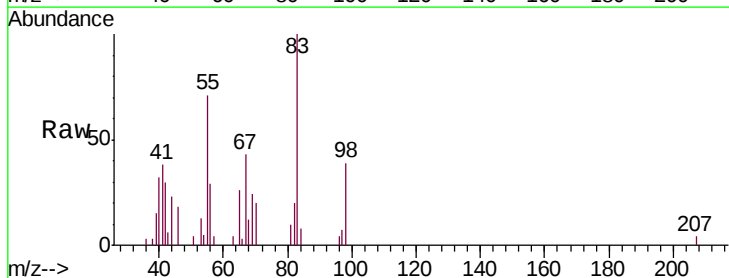


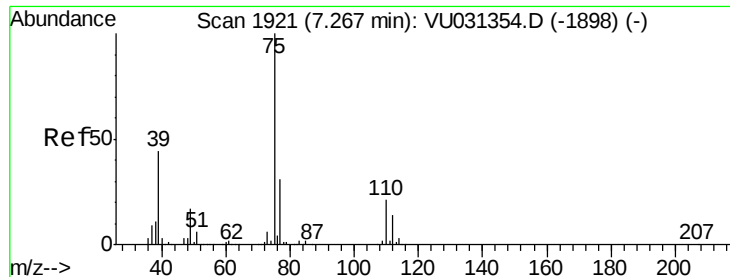
#33
Benzene
Concen: 1.131 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU031371.D
Acq: 19 Apr 2019 19:54
Tgt Ion: 78 Resp: 22271

Instrument :
MSVOA_U
ClientSampleId :
GAHS3



#35
Methylcyclohexane
Concen: 1.157 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU031371.D
Acq: 19 Apr 2019 19:54
Tgt Ion: 83 Resp: 8489
Ion Ratio Lower Upper
83 100
55 82.8 67.0 100.4
98 34.7 36.9 55.3#

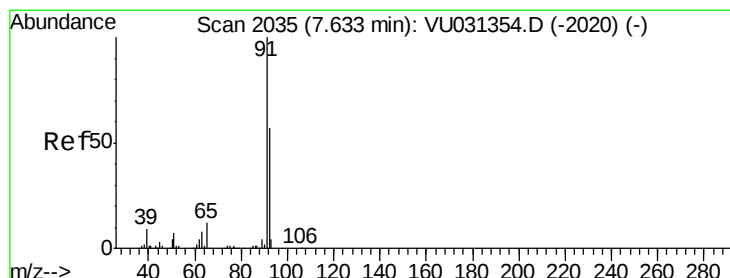
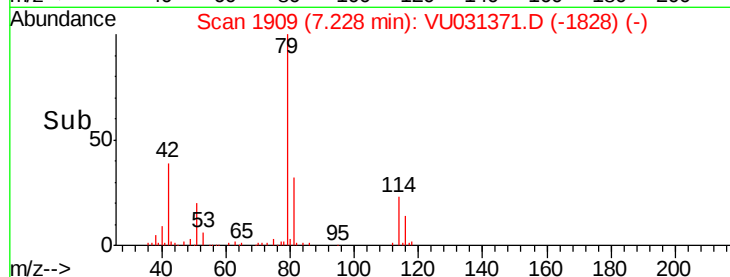
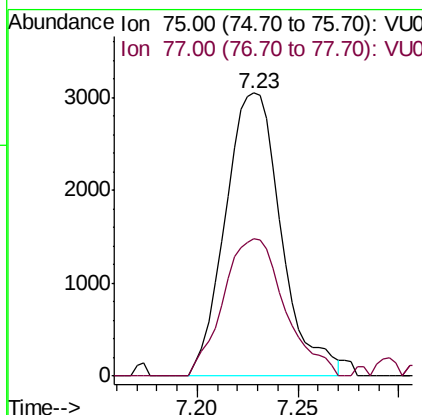
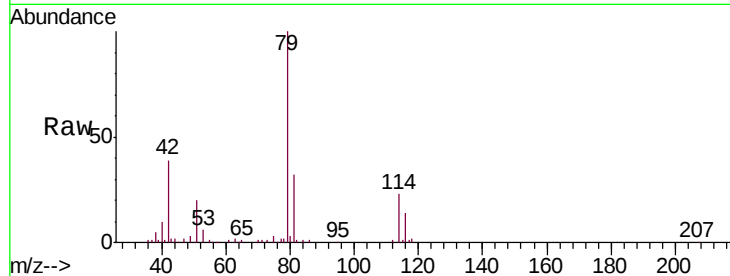




#39
 cis-1,3-Dichloropropene
 Concen: 0.759 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU031371.D
 Acq: 19 Apr 2019 19:54

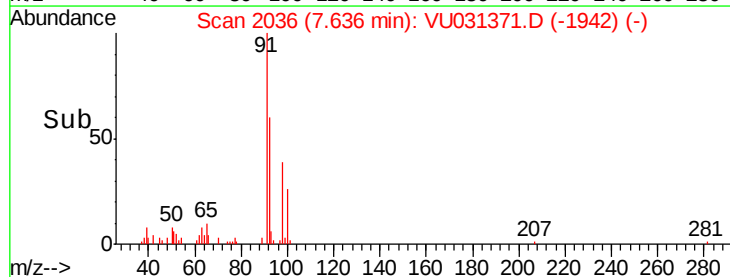
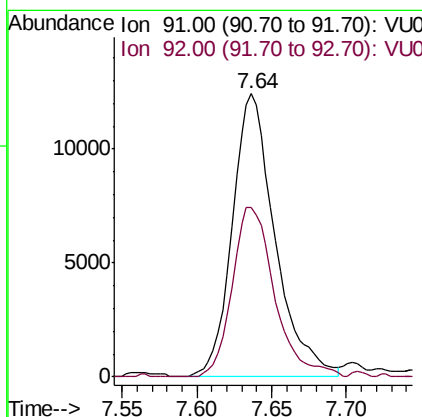
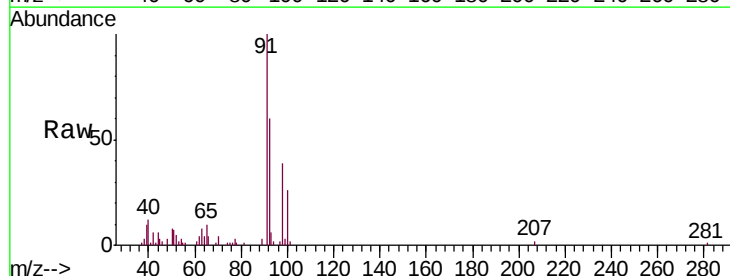
Instrument :
 MSVOA_U
 ClientSampleId :
 GAHS3

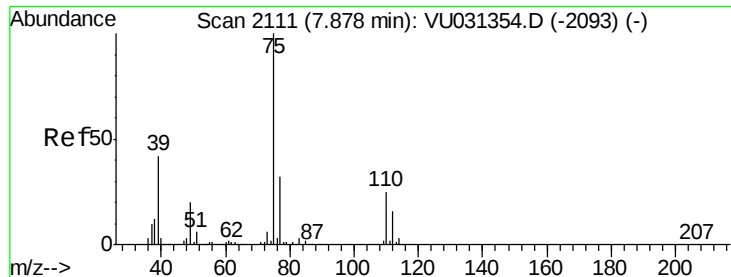
Tgt Ion: 75 Resp: 5930
 Ion Ratio Lower Upper
 75 100
 77 48.6 22.7 42.1#



#42
 Toluene
 Concen: 1.263 ug/L
 RT: 7.64 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VU031371.D
 Acq: 19 Apr 2019 19:54

Tgt Ion: 91 Resp: 24754
 Ion Ratio Lower Upper
 91 100
 92 60.0 40.1 74.5

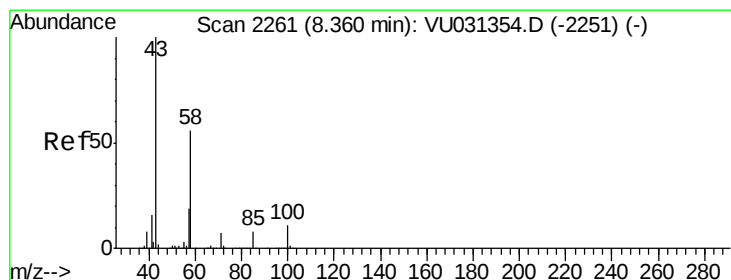
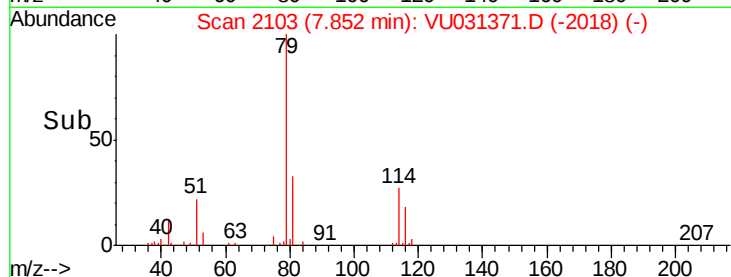
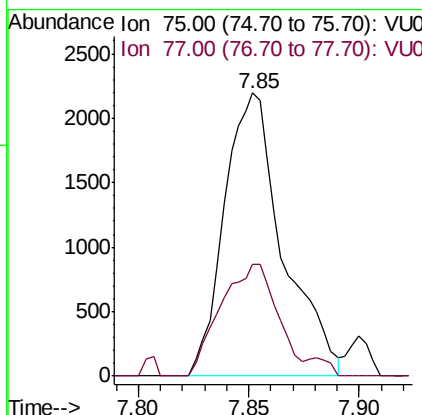
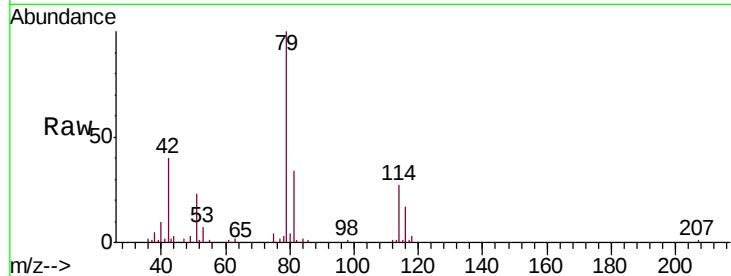




#44
trans-1,3-Dichloropropene
Concen: 0.595 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. -0.03 min
Lab File: VU031371.D
Acq: 19 Apr 2019 19:54

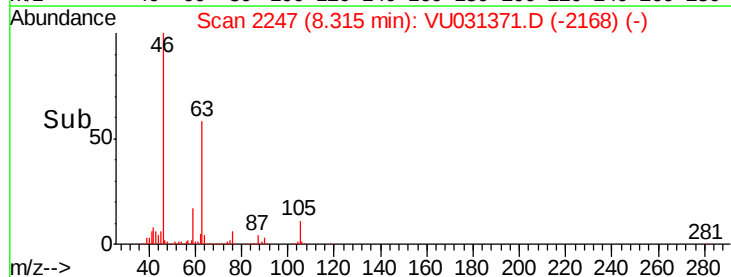
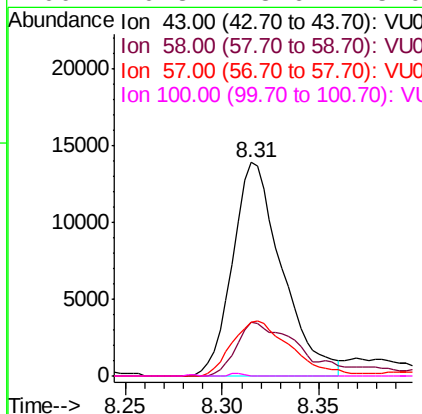
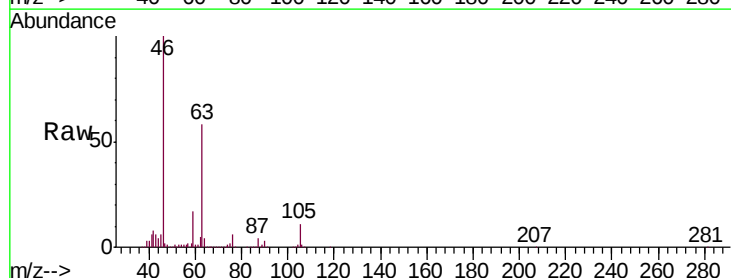
Instrument :
MSVOA_U
ClientSampleId :
GAHS3

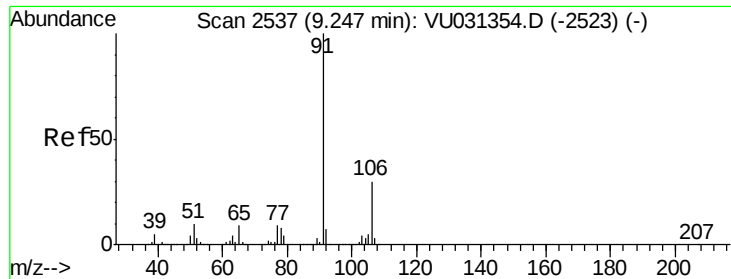
Tgt Ion: 75 Resp: 4036
Ion Ratio Lower Upper
75 100
77 39.7 22.8 42.4



#48
2-Hexanone
Concen: 4.219 ug/L
RT: 8.31 min Scan# 2247
Delta R.T. -0.05 min
Lab File: VU031371.D
Acq: 19 Apr 2019 19:54

Tgt Ion: 43 Resp: 24695
Ion Ratio Lower Upper
43 100
58 28.4 44.9 67.3#
57 30.2 15.1 22.7#
100 0.3 8.6 13.0#





#52

Ethylbenzene

Concen: 1.835 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031371.D

Acq: 19 Apr 2019 19:54

Instrument :

MSVOA_U

ClientSampleId :

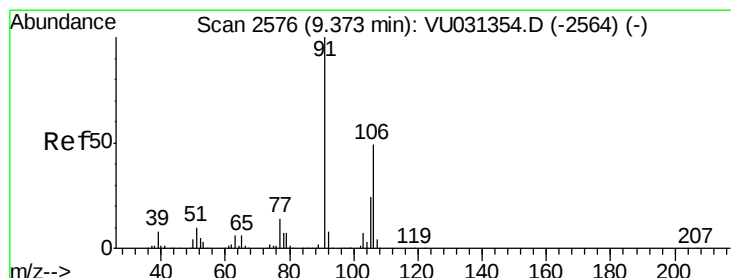
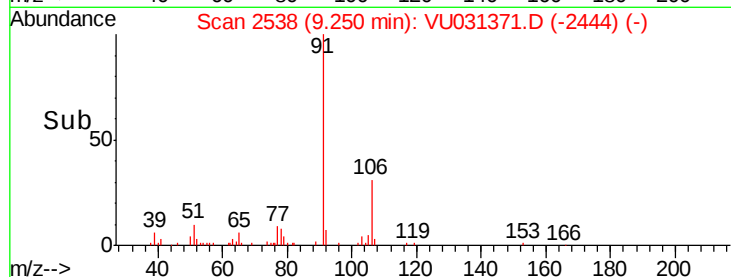
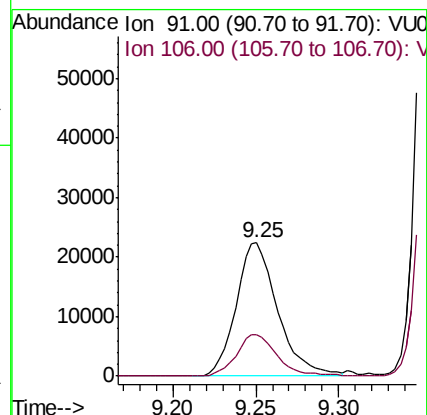
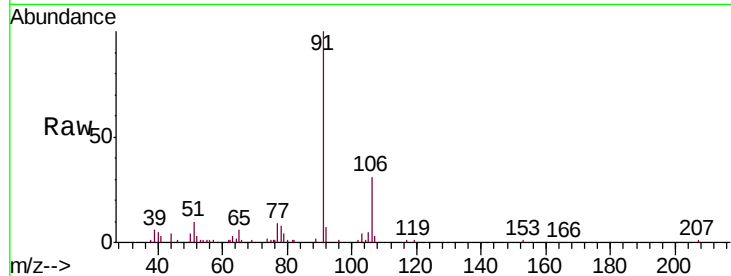
GAHS3

Tgt Ion: 91 Resp: 39132

Ion Ratio Lower Upper

91 100

106 31.4 20.9 38.7



#53

m,p-Xylene

Concen: 64.633 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031371.D

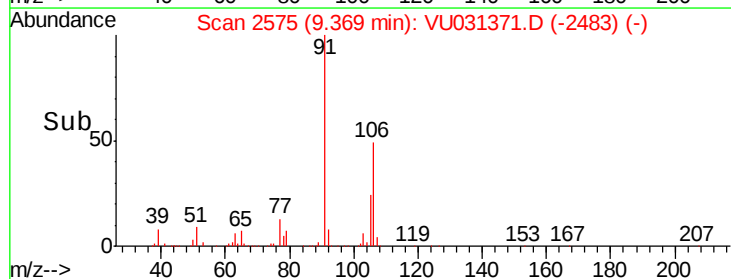
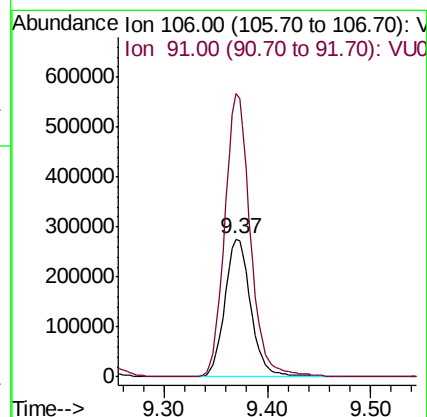
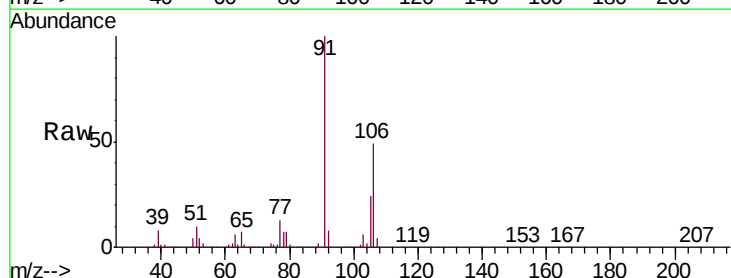
Acq: 19 Apr 2019 19:54

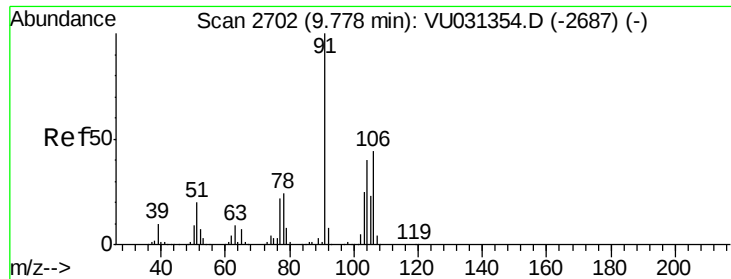
Tgt Ion: 106 Resp: 486502

Ion Ratio Lower Upper

106 100

91 205.0 144.5 268.4





#54

o-xylene

Concen: 29.429 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU031371.D

Acq: 19 Apr 2019 19:54

Instrument :

MSVOA_U

ClientSampleId :

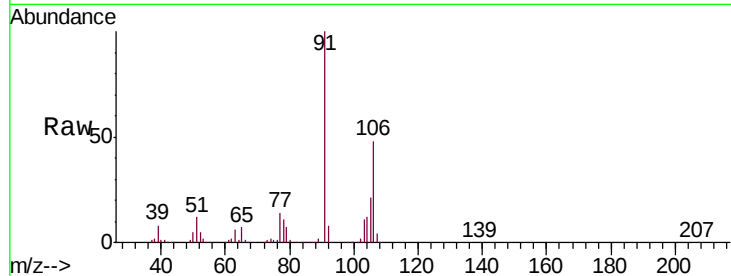
GAHS3

Tgt Ion:106 Resp: 224321

Ion Ratio Lower Upper

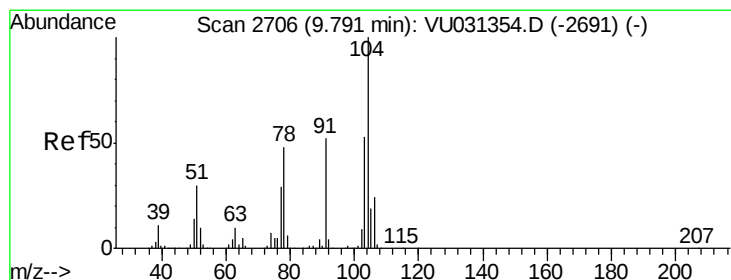
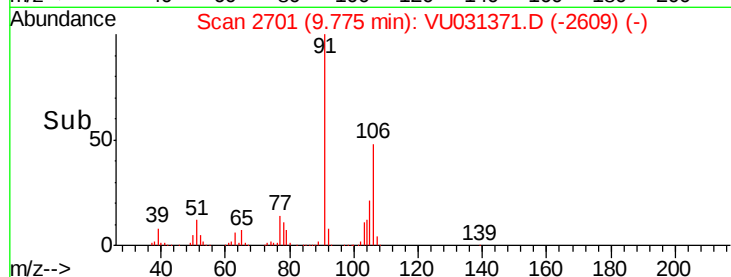
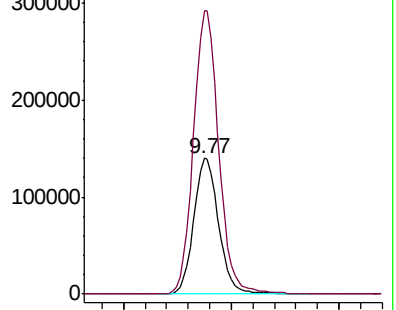
106 100

91 208.2 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 15.616 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU031371.D

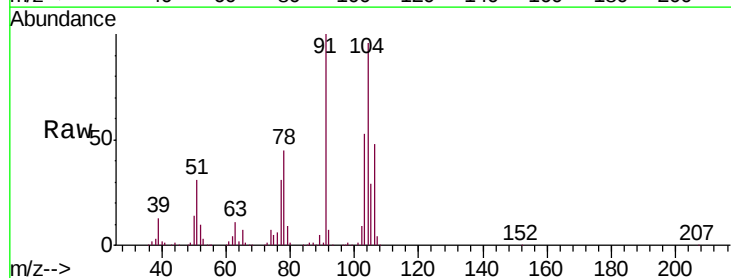
Acq: 19 Apr 2019 19:54

Tgt Ion:104 Resp: 200934

Ion Ratio Lower Upper

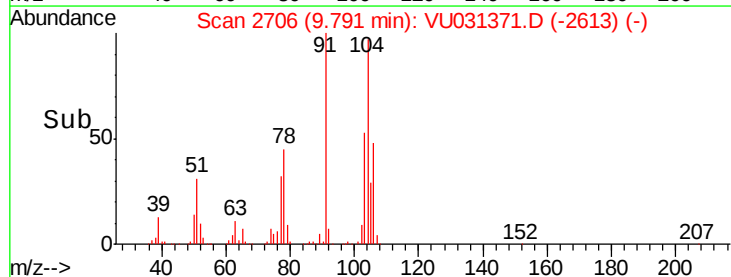
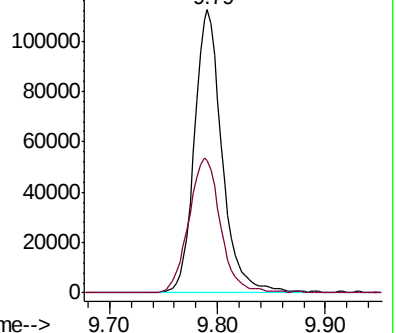
104 100

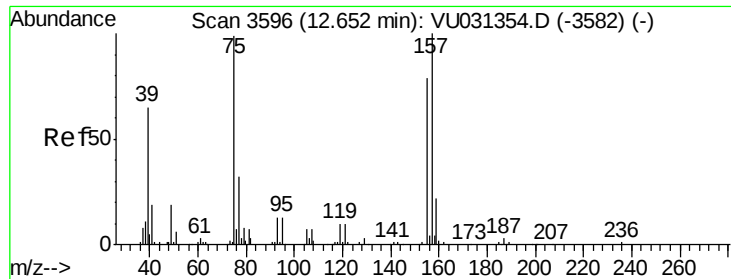
78 46.9 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#66

1,2-Dibromo-3-chloropropane

Concen: 1.871 ug/L

RT: 12.70 min Scan# 3612

Delta R.T. 0.05 min

Lab File: VU031371.D

Acq: 19 Apr 2019 19:54

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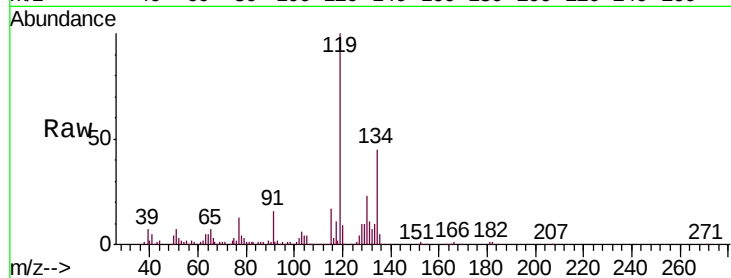
Tgt Ion: 75 Resp: 3661

Ion Ratio Lower Upper

75 100

155 9.9 66.7 100.1#

157 0.0 86.5 129.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

