

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
 Data File : VU031378.D
 Acq On : 19 Apr 2019 22:37
 Operator : JC/SP
 Sample : K2455-07MS
 Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHQ8MS

Quant Time: Apr 22 10:47:13 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	619945	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	595289	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	300418	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	167249	29.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	58.58%#
7) Chloroethane-d5	1.68	69	122086	24.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	49.26%#
11) 1,1-Dichloroethene-d2	2.24	63	368010	32.54	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.08%
21) 2-Butanone-d5	4.21	46	324513	78.04	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.04%
24) Chloroform-d	4.64	84	293063	30.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	61.52%#
26) 1,2-Dichloroethane-d4	5.31	65	187959	32.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	64.08%#
32) Benzene-d6	5.33	84	634554	33.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.44%#
36) 1,2-Dichloropropane-d6	6.33	67	215378	35.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	70.52%
41) Toluene-d8	7.56	98	599626	36.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.42%#
43) trans-1,3-Dichloropropene-	7.85	79	97025	33.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.46%
47) 2-Hexanone-d5	8.34	63	241663	83.82	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.82%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	307320	36.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	72.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	248114	36.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.02%#

Target Compounds

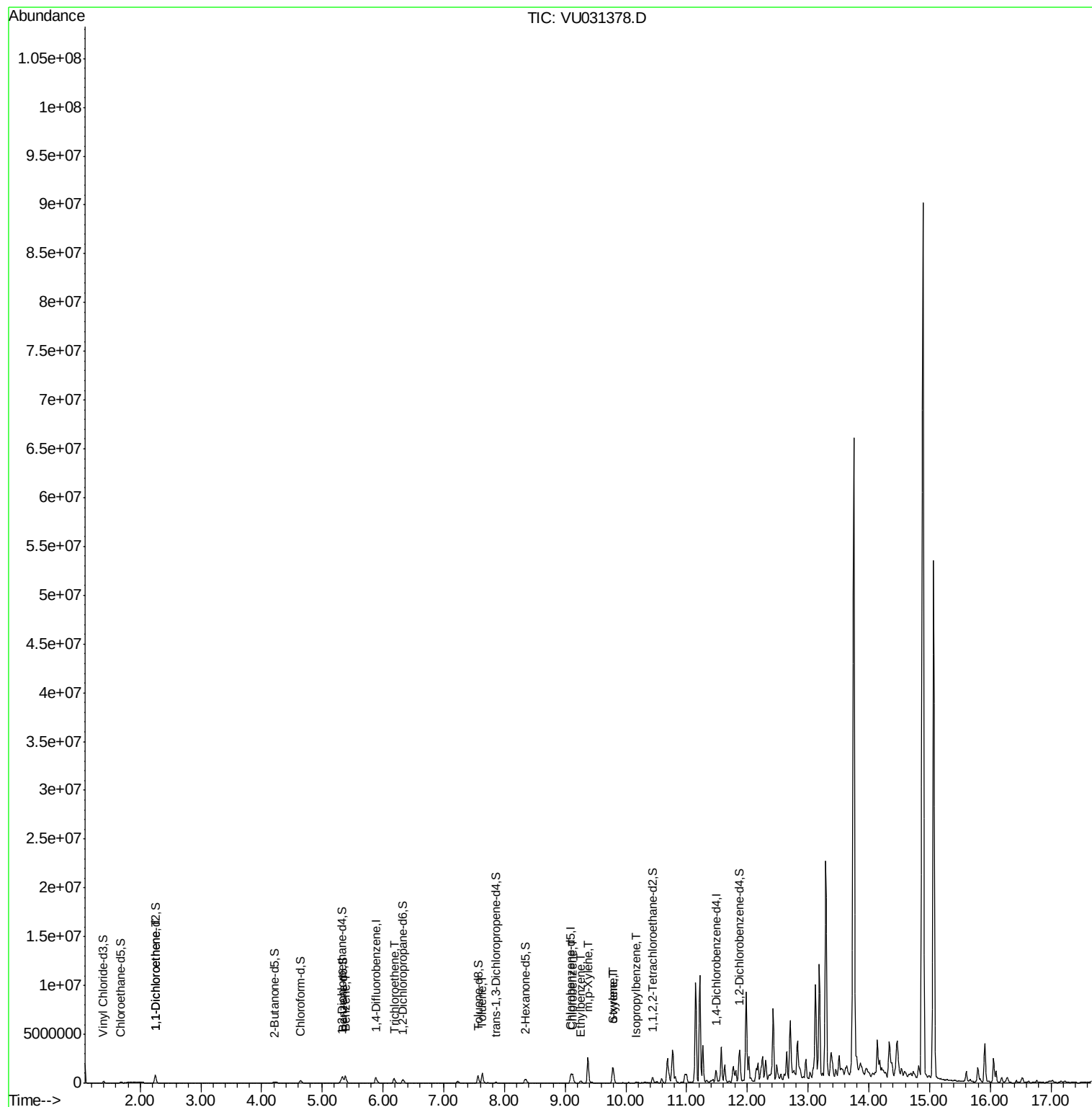
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.25	96	198925	41.055	ug/L	85
33) Benzene	5.38	78	764319	38.174	ug/L	100
34) Trichloroethene	6.18	95	198127	39.549	ug/L	91
42) Toluene	7.63	91	875575	43.963	ug/L	100
51) Chlorobenzene	9.12	112	546362	43.893	ug/L	97
52) Ethylbenzene	9.25	91	165942	7.654	ug/L	96
53) m,p-Xylene	9.38	106	767241	100.275	ug/L	96
54) o-xylene	9.78	106	363393	46.900	ug/L	94
55) Styrene	9.80	104	447518	34.215	ug/L	97
56) Isopropylbenzene	10.17	105	57823	2.912	ug/L	98

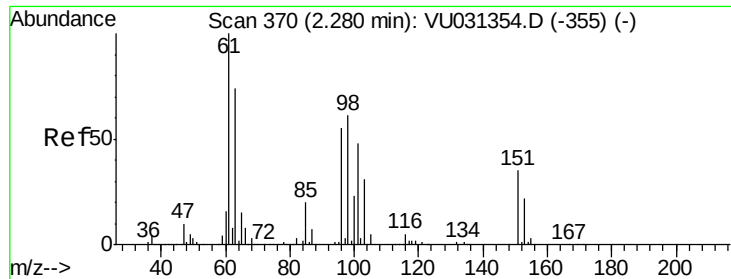
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 19 23:12:12 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 41.055 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.03 min

Lab File: VU031378.D

Acq: 19 Apr 2019 22:37

Instrument :

MSVOA_U

ClientSampleId :

GAHQ8MS

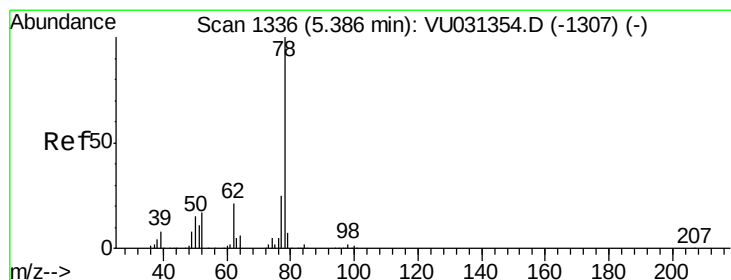
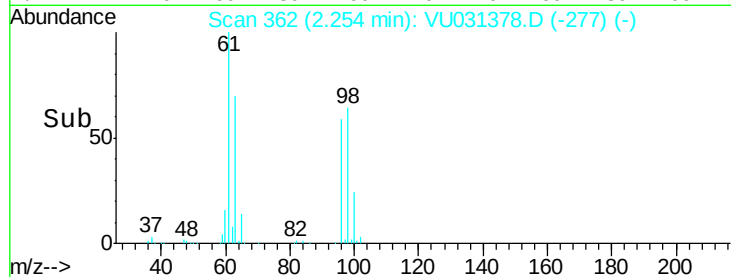
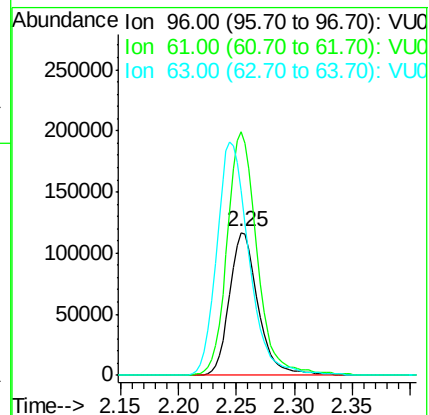
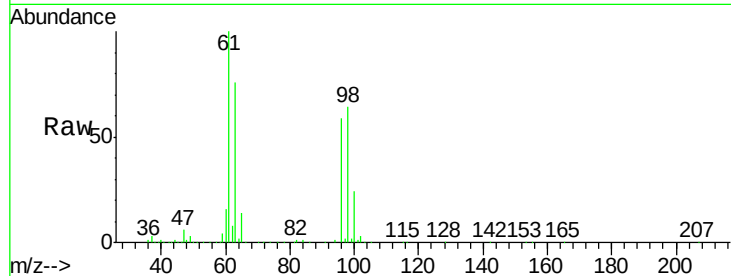
Tot Ion: 96 Resp: 198925

Ion Ratio Lower Upper

96 100

61 170.7 130.4 242.2

63 129.2 108.9 202.3



#33

Benzene

Concen: 38.174 ug/L

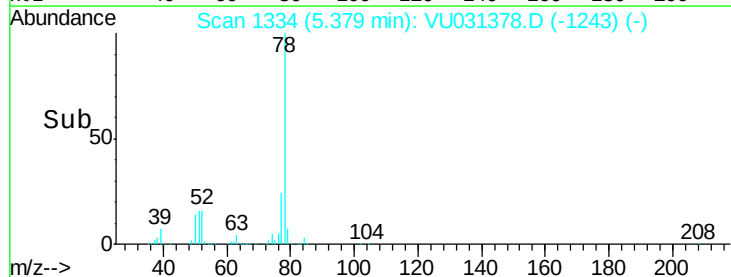
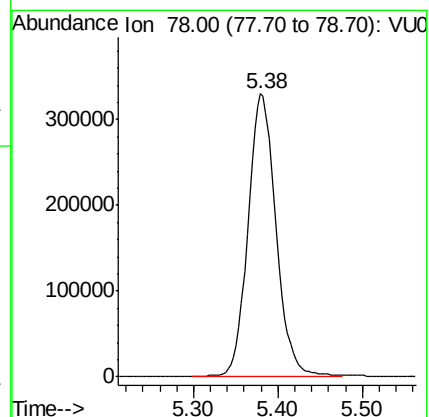
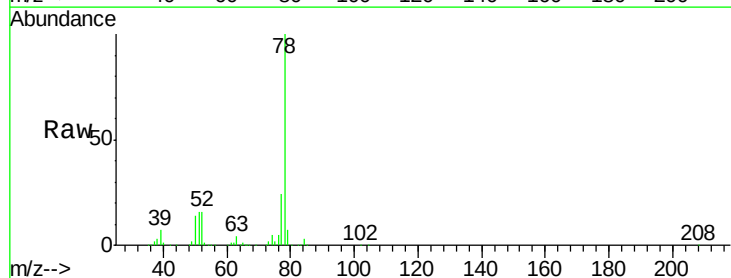
RT: 5.38 min Scan# 1334

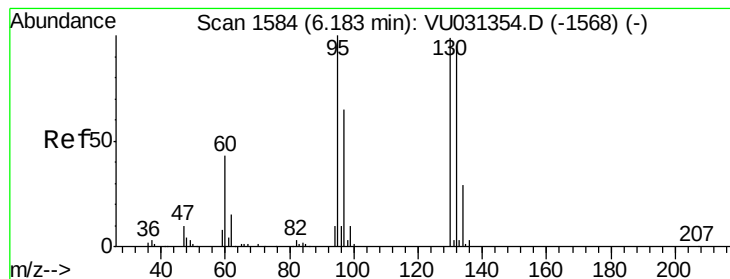
Delta R.T. -0.01 min

Lab File: VU031378.D

Acq: 19 Apr 2019 22:37

Tgt Ion: 78 Resp: 764319





#34

Trichloroethene

Concen: 39.549 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031378.D

Acq: 19 Apr 2019 22:37

Instrument :

MSVOA_U

ClientSampleId :

GAHQ8MS

Tot Ion: 95 Resp: 198127

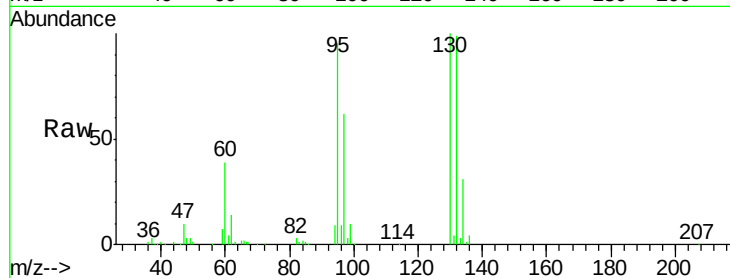
Ion Ratio Lower Upper

95 100

97 65.0 43.6 81.0

132 103.8 64.5 119.7

130 105.2 68.0 126.2

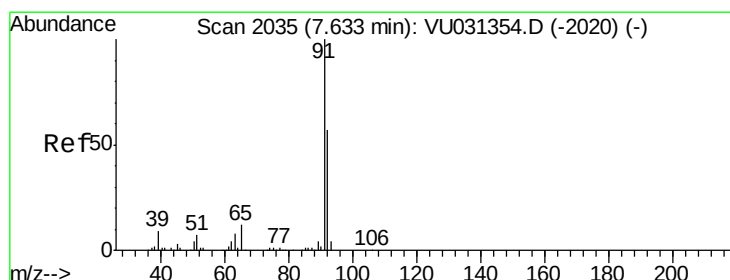
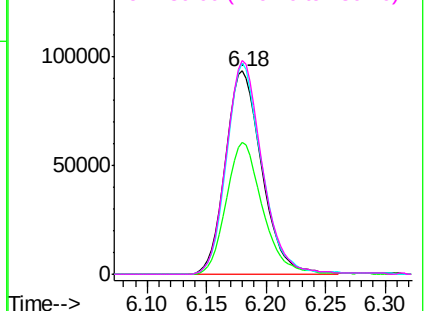
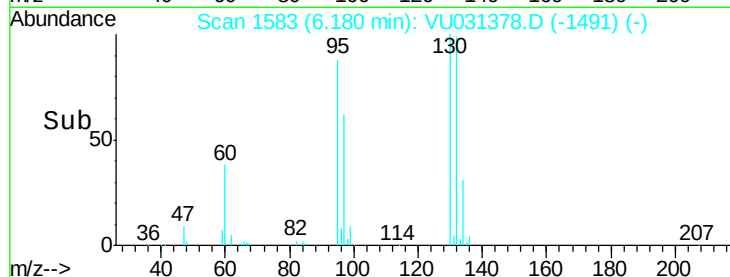


Abundance Ion 95.00 (94.70 to 95.70): VU031378.D (-1491) (-)

Ion 97.00 (96.70 to 97.70): VU031378.D (-1491) (-)

Ion 132.00 (131.70 to 132.70): VU031378.D (-1491) (-)

Ion 130.00 (129.70 to 130.70): VU031378.D (-1491) (-)



#42

Toluene

Concen: 43.963 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031378.D

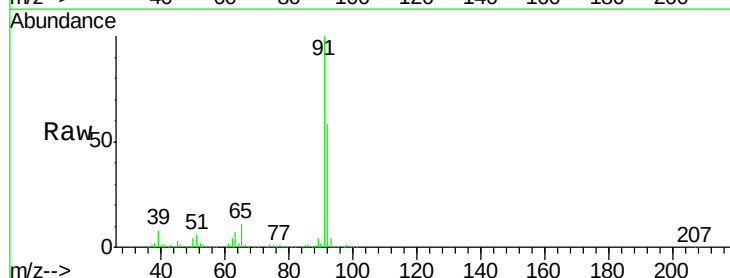
Acq: 19 Apr 2019 22:37

Tgt Ion: 91 Resp: 875575

Ion Ratio Lower Upper

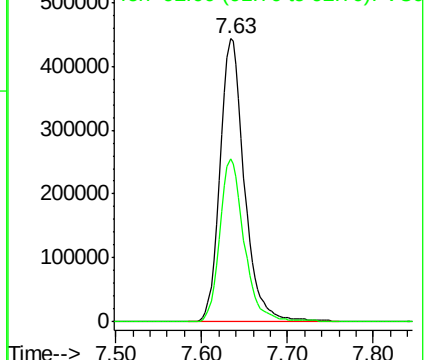
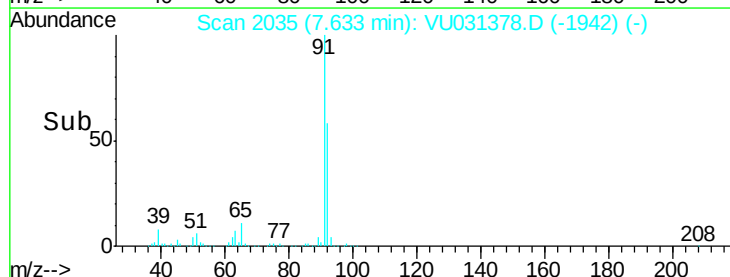
91 100

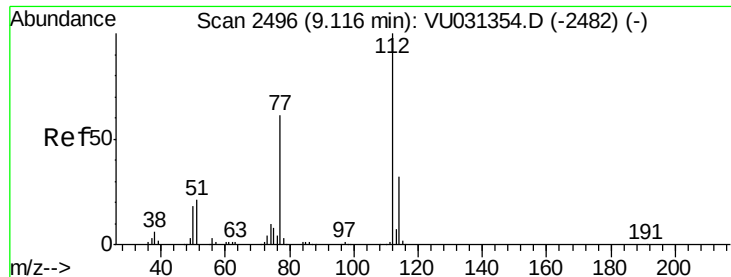
92 57.6 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU031378.D (-1942) (-)

Ion 92.00 (91.70 to 92.70): VU031378.D (-1942) (-)

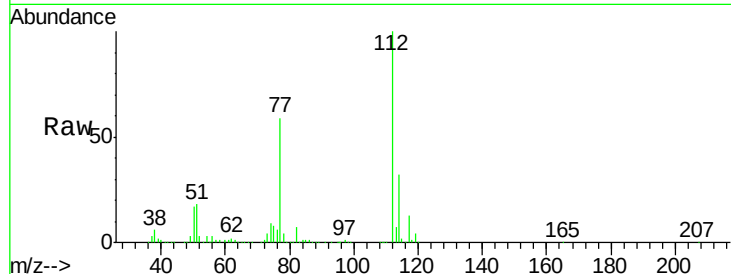




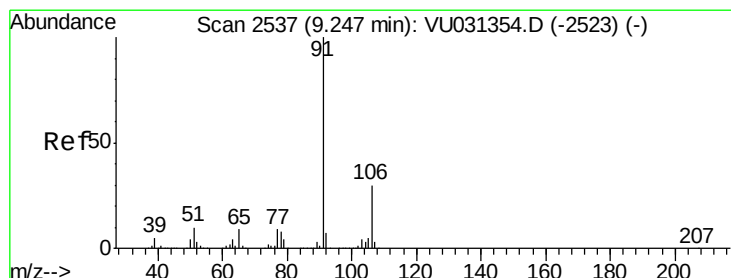
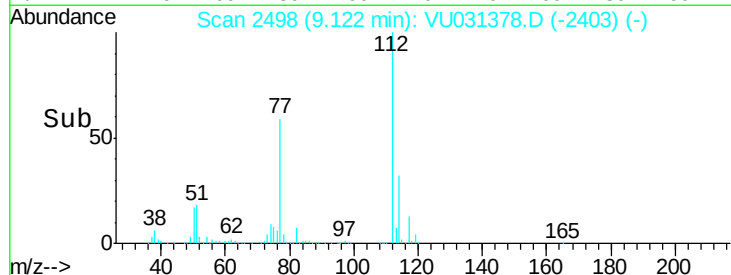
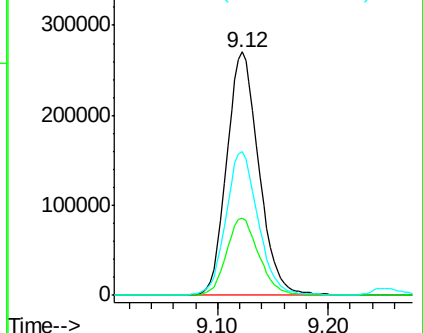
#51
Chlorobenzene
Concen: 43.893 ug/L
RT: 9.12 min Scan# 2498
Delta R.T. 0.01 min
Lab File: VU031378.D
Acq: 19 Apr 2019 22:37

Instrument :
MSVOA_U
ClientSampleId :
GAHQ8MS

Tot Ion:112 Resp: 546362
Ion Ratio Lower Upper
112 100
114 31.6 21.6 40.0
77 58.9 49.0 73.4

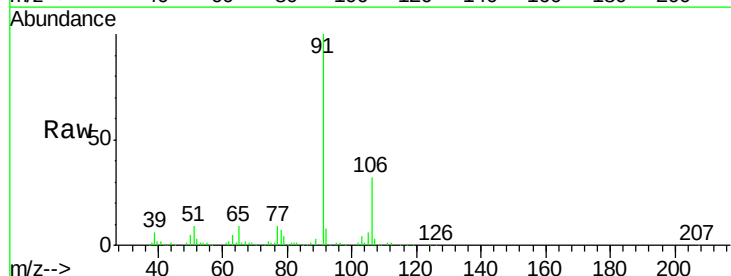


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

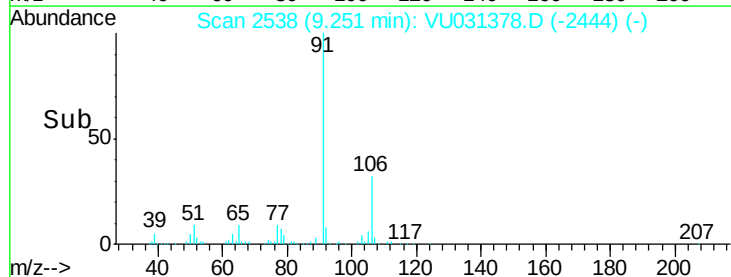
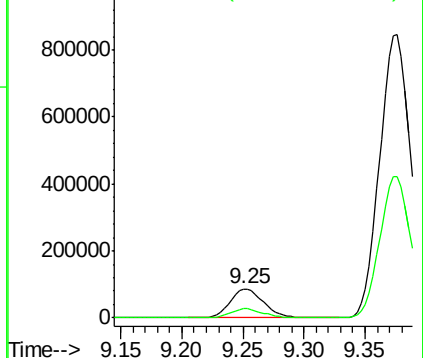


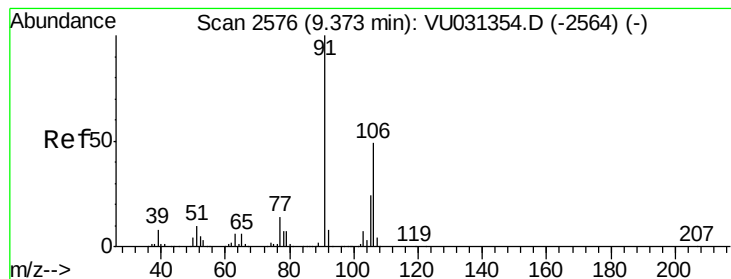
#52
Ethylbenzene
Concen: 7.654 ug/L
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU031378.D
Acq: 19 Apr 2019 22:37

Tgt Ion: 91 Resp: 165942
Ion Ratio Lower Upper
91 100
106 31.8 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 100.275 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU031378.D

Acq: 19 Apr 2019 22:37

Instrument :

MSVOA_U

ClientSampleId :

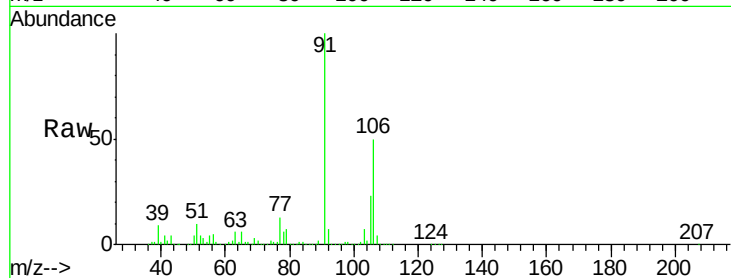
GAHQ8MS

Tot Ion:106 Resp: 767241

Ion Ratio Lower Upper

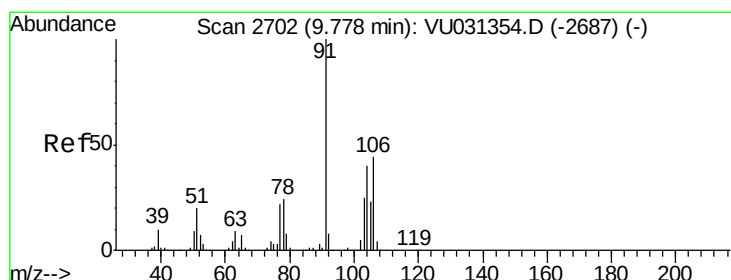
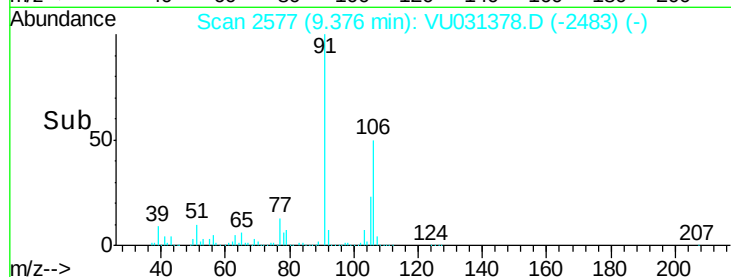
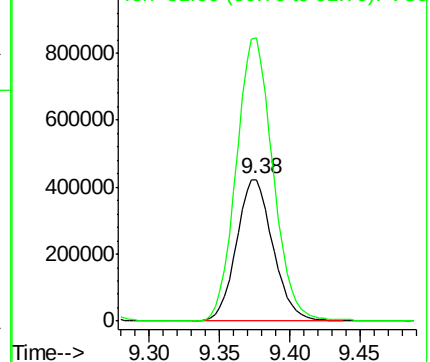
106 100

91 200.2 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 46.900 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VU031378.D

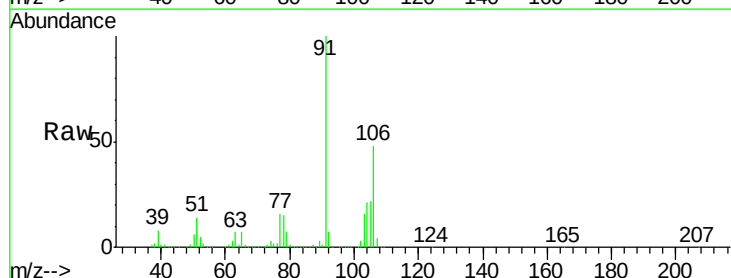
Acq: 19 Apr 2019 22:37

Tgt Ion:106 Resp: 363393

Ion Ratio Lower Upper

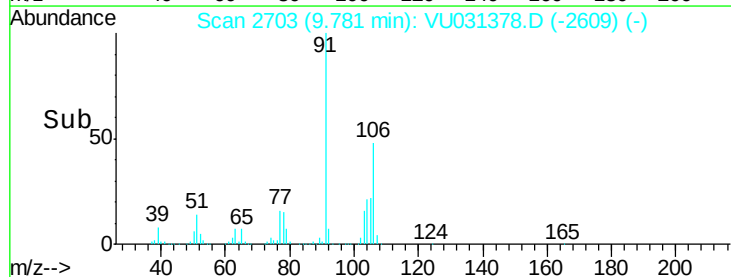
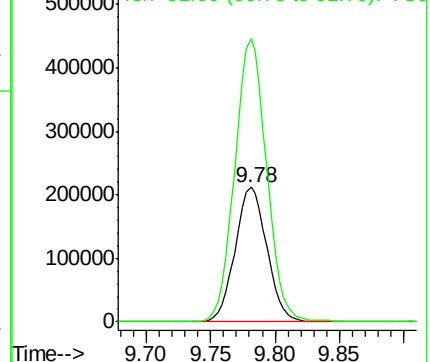
106 100

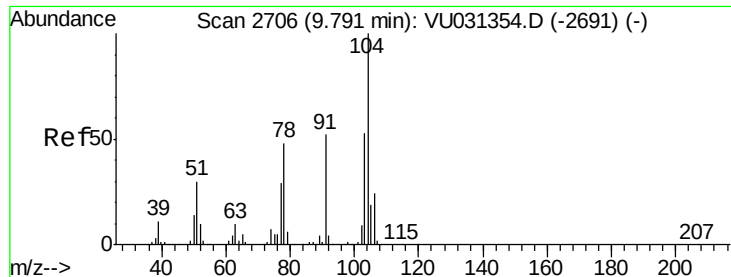
91 209.9 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Stvrene

Concen: 34.215 ug/L

RT: 9.80 min Scan# 2708

Delta R.T. 0.01 min

Lab File: VU031378.D

Acq: 19 Apr 2019 22:37

Instrument :

MSVOA_U

ClientSampleId :

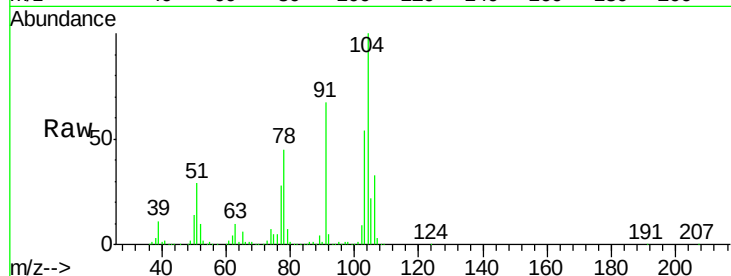
GAHQ8MS

Tot Ion:104 Resp: 447518

Ion Ratio Lower Upper

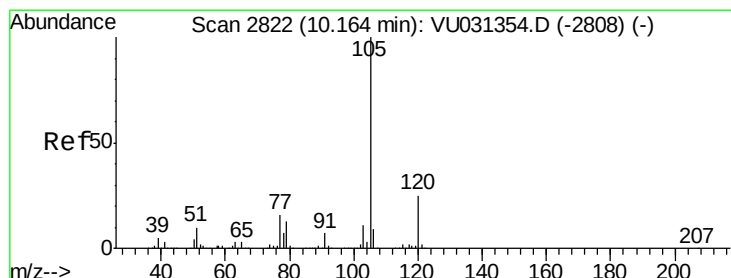
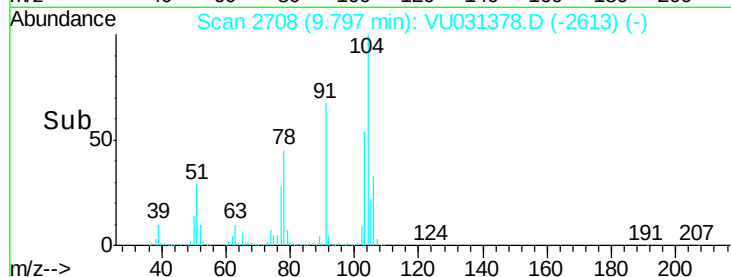
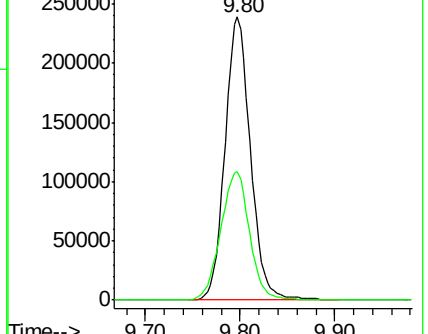
104 100

78 45.2 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 2.912 ug/L

RT: 10.17 min Scan# 2824

Delta R.T. 0.01 min

Lab File: VU031378.D

Acq: 19 Apr 2019 22:37

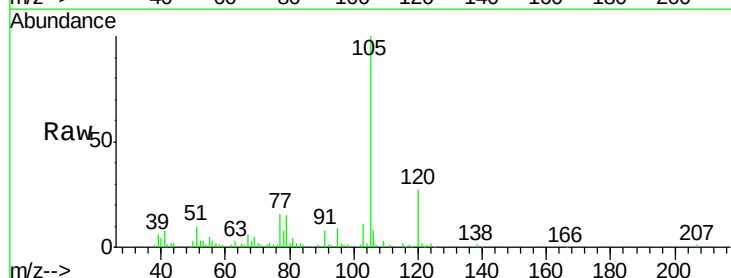
Tgt Ion:105 Resp: 57823

Ion Ratio Lower Upper

105 100

120 25.2 20.6 31.0

77 15.0 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

