

Data File : VU031666.D
Acq On : 01 May 2019 04:31
Operator : JC/SP
Sample : K2604-02 20X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAJ76

Quant Time: May 01 06:40:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 01 04:42:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	986962	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	940130	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	442805	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	310101	37.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.08%
7) Chloroethane-d5	1.68	69	245031	38.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.78%
11) 1,1-Dichloroethene-d2	2.26	63	460138	27.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.94%#
21) 2-Butanone-d5	4.19	46	679228	90.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.76%
24) Chloroform-d	4.64	84	546748	36.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.28%
26) 1,2-Dichloroethane-d4	5.31	65	371794	37.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.24%
32) Benzene-d6	5.33	84	1134793	39.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.62%
36) 1,2-Dichloropropane-d6	6.32	67	407425	40.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.22%
41) Toluene-d8	7.56	98	973116	38.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.40%#
43) trans-1,3-Dichloropropene-	7.85	79	163336	37.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.92%
47) 2-Hexanone-d5	8.32	63	442849	100.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.74%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	538420	39.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	353077	37.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.84%#

Target Compounds

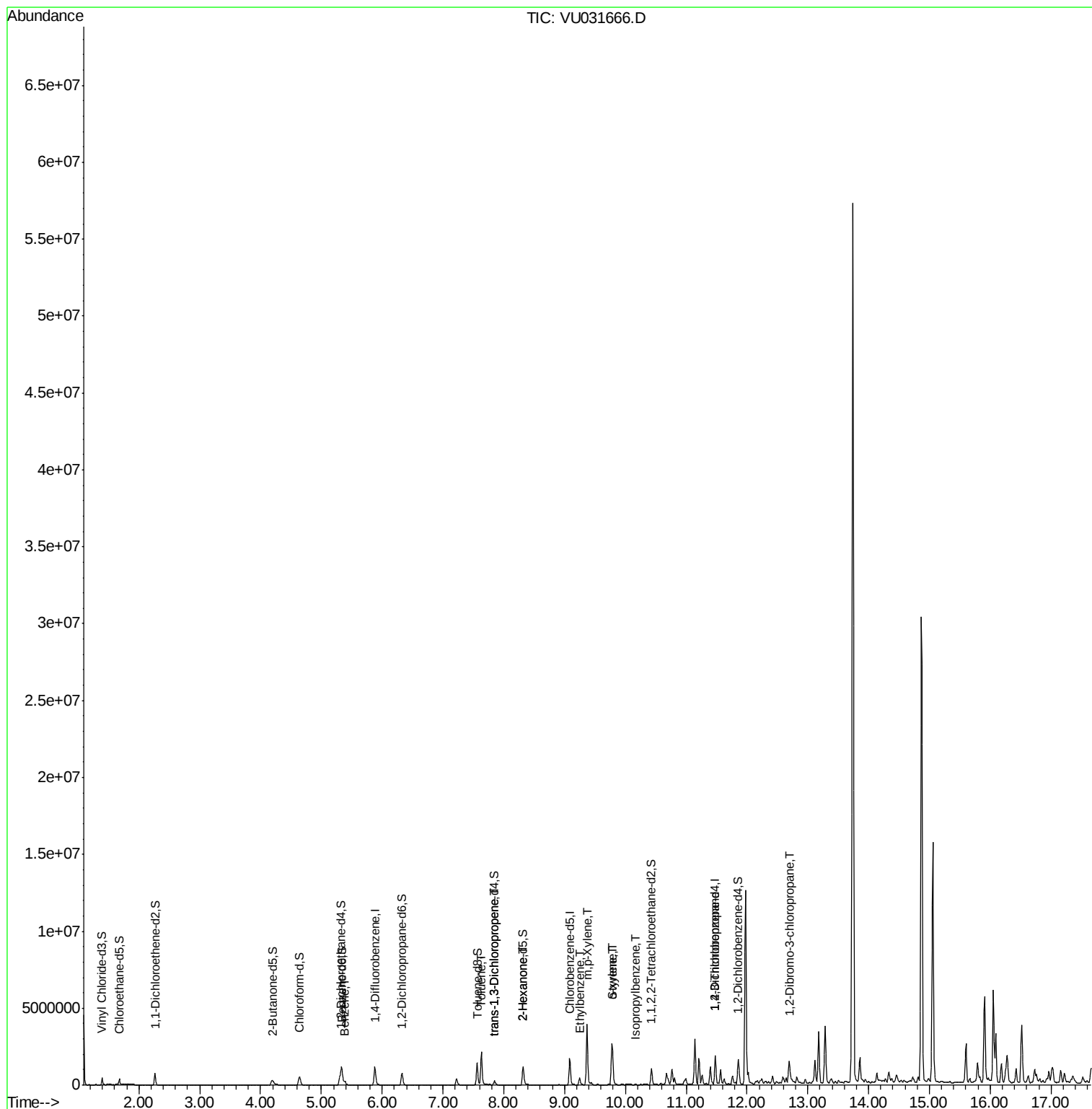
					Qvalue
33) Benzene	5.39	78	236824	6.852 ug/L	100
42) Toluene	7.63	91	1626481	47.239 ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	6933	0.590 ug/L	86
48) 2-Hexanone	8.32	43	56457	4.624 ug/L #	75
52) Ethylbenzene	9.25	91	331500	9.282 ug/L	99
53) m,p-Xylene	9.37	106	1067475	85.784 ug/L	98
54) o-xylene	9.77	106	453702	36.776 ug/L	97
55) Styrene	9.79	104	796701	37.799 ug/L	99
56) Isopropylbenzene	10.17	105	21123	0.651 ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	60459	5.197 ug/L	88
66) 1,2-Dibromo-3-chloropropan	12.69	75	28437	7.865 ug/L #	13

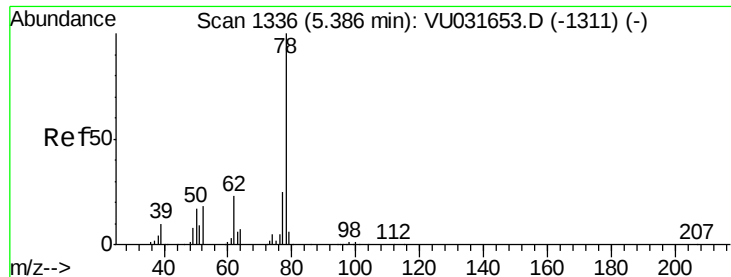
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 6.852 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

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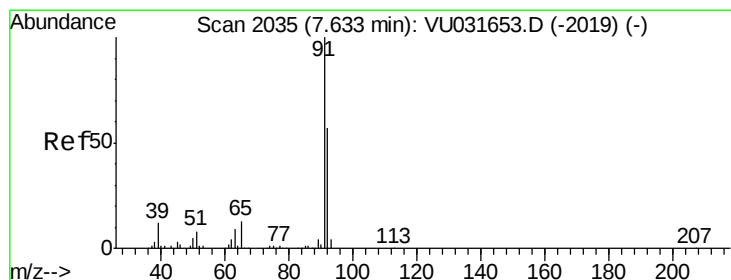
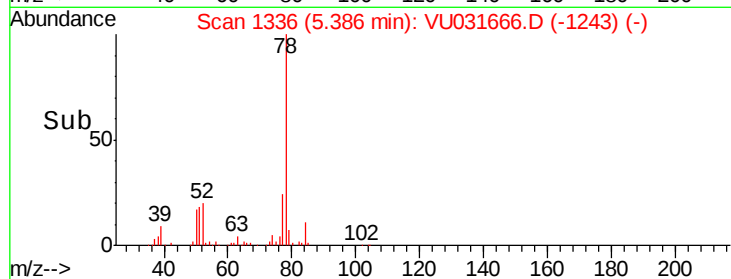
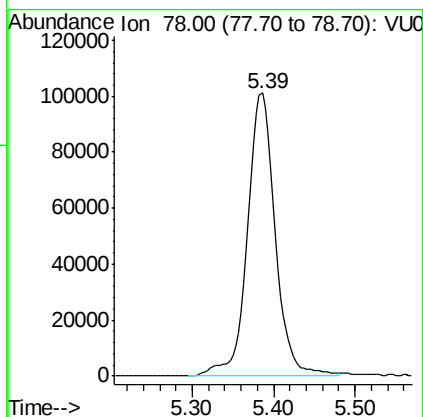
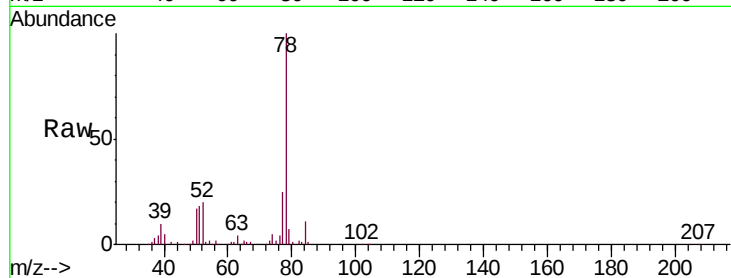
Instrument :

MSVOA_U

ClientSampleId :

GAJ76

Tgt Ion: 78 Resp: 236824



#42

Toluene

Concen: 47.239 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031666.D

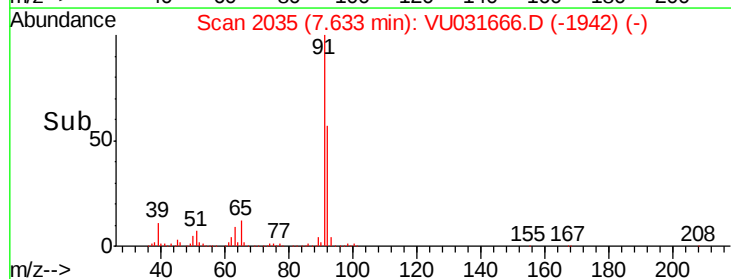
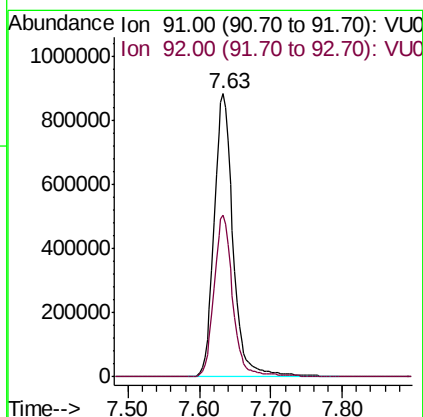
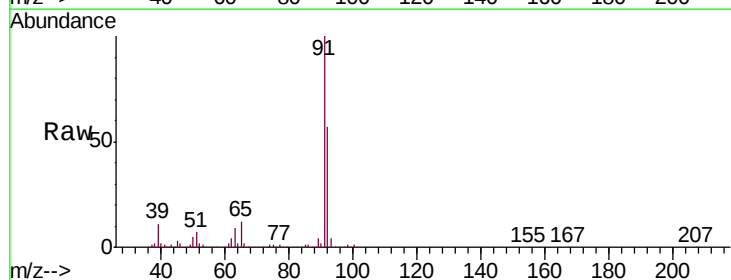
Acq: 01 May 2019 04:31

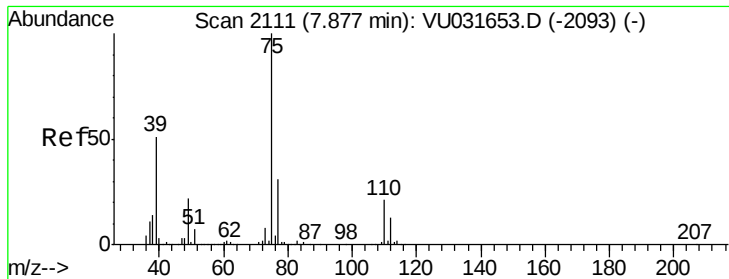
Tgt Ion: 91 Resp: 1626481

Ion Ratio Lower Upper

91 100

92 57.2 39.0 72.4





#44

trans-1,3-Dichloropropene

Concen: 0.590 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031666.D

Acq: 01 May 2019 04:31

Instrument :

MSVOA_U

ClientSampleId :

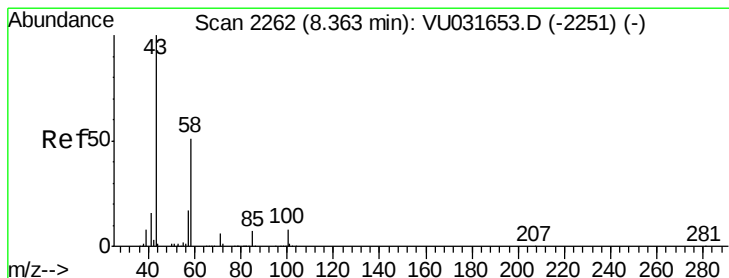
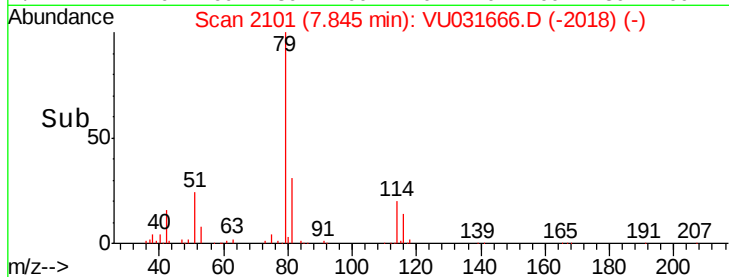
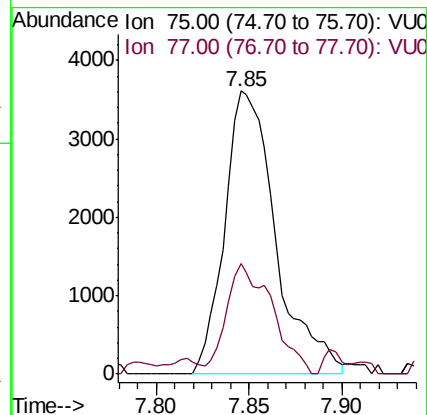
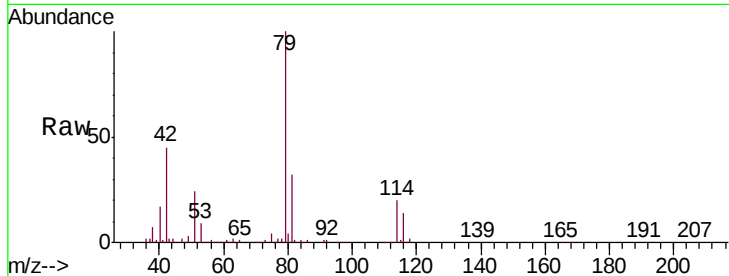
GAJ76

Tgt Ion: 75 Resp: 6933

Ion Ratio Lower Upper

75 100

77 39.1 22.1 41.1



#48

2-Hexanone

Concen: 4.624 ug/L

RT: 8.32 min Scan# 2248

Delta R.T. -0.04 min

Lab File: VU031666.D

Acq: 01 May 2019 04:31

Tgt Ion: 43 Resp: 56457

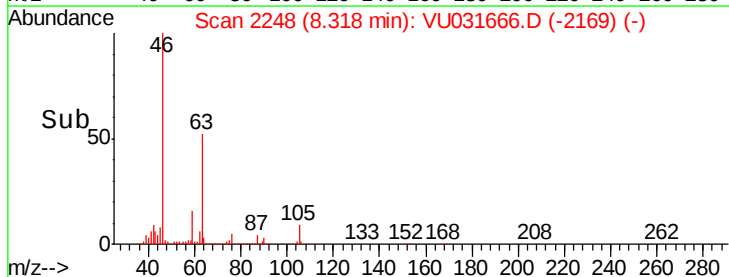
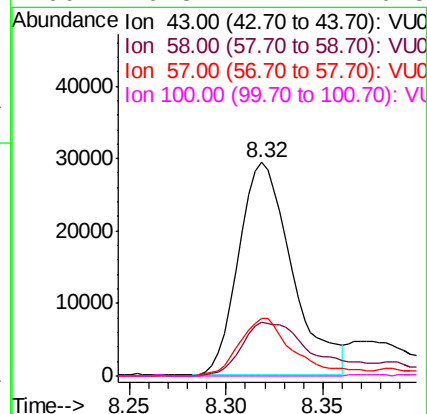
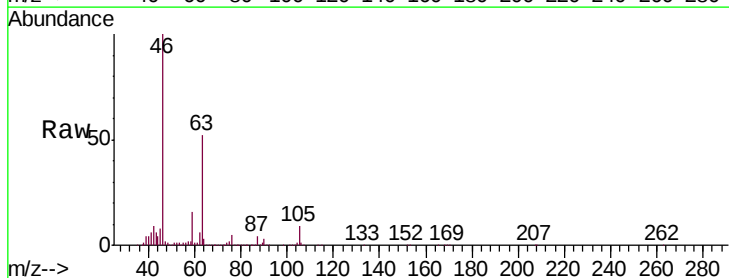
Ion Ratio Lower Upper

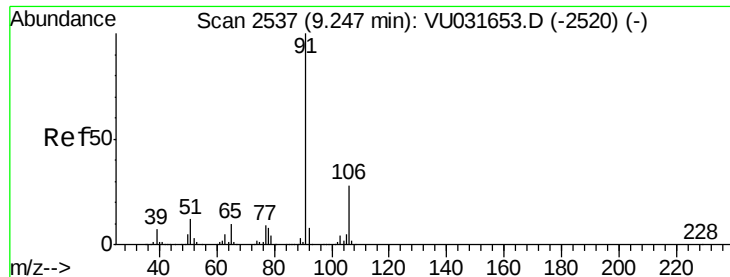
43 100

58 34.1 42.1 63.1#

57 27.3 14.6 22.0#

100 0.3 7.2 10.8#





#52

Ethylbenzene

Concen: 9.282 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031666.D

Acq: 01 May 2019 04:31

Instrument :

MSVOA_U

ClientSampleId :

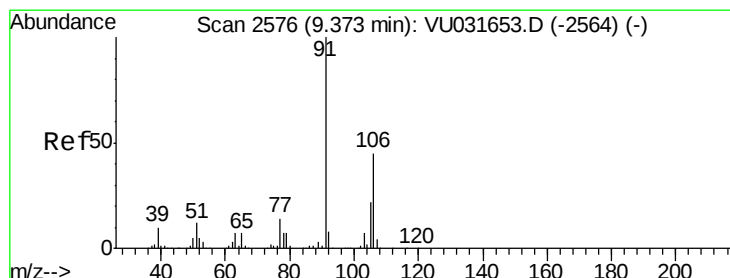
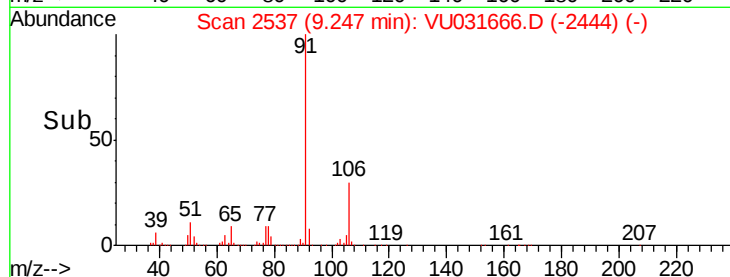
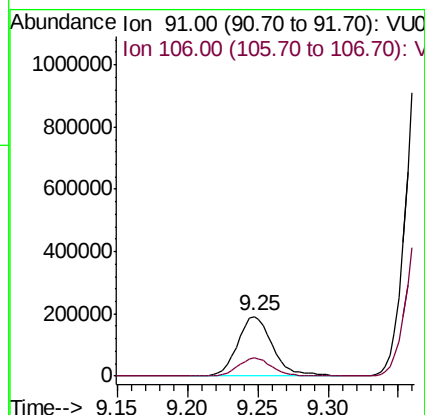
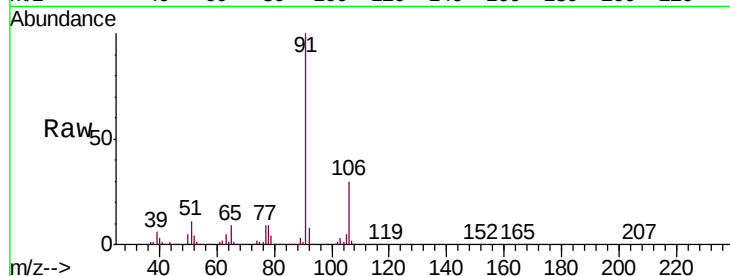
GAJ76

Tgt Ion: 91 Resp: 331500

Ion Ratio Lower Upper

91 100

106 29.8 20.4 37.8



#53

m,p-Xylene

Concen: 85.784 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031666.D

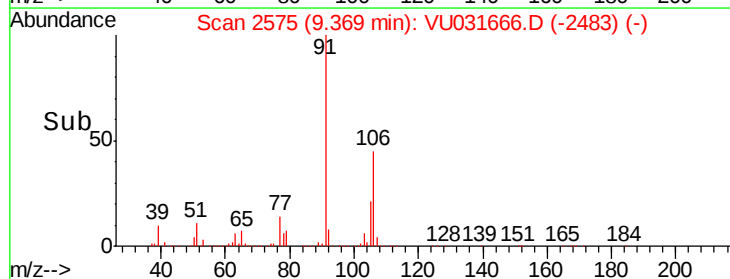
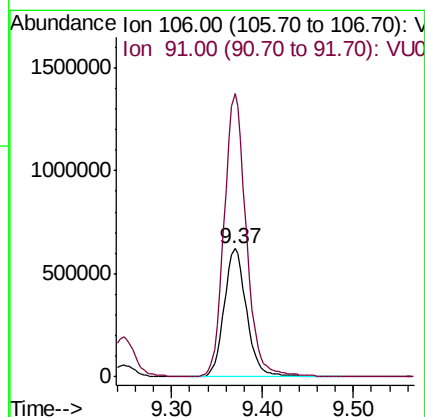
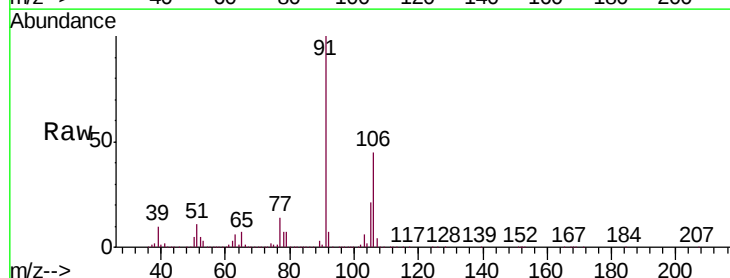
Acq: 01 May 2019 04:31

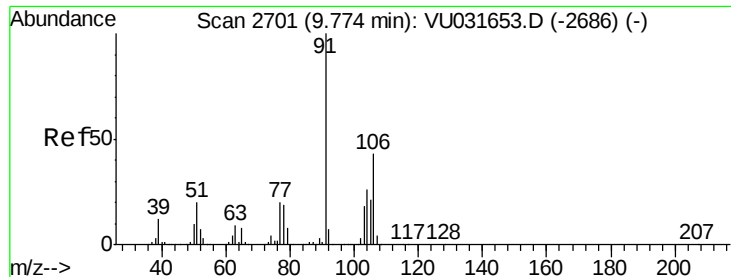
Tgt Ion: 106 Resp: 1067475

Ion Ratio Lower Upper

106 100

91 220.8 152.2 282.6





#54

o-xylene

Concen: 36.776 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031666.D

Acq: 01 May 2019 04:31

Instrument :

MSVOA_U

ClientSampleId :

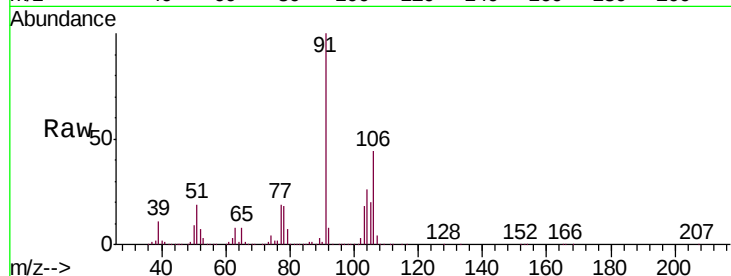
GAJ76

Tgt Ion:106 Resp: 453702

Ion Ratio Lower Upper

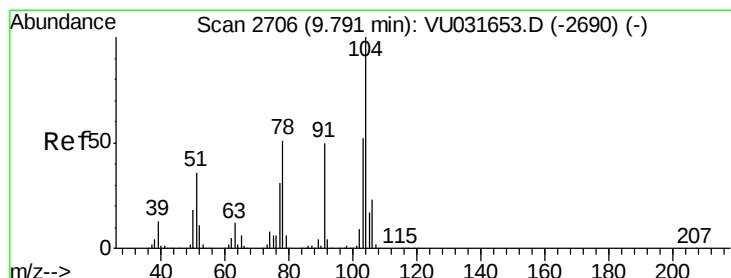
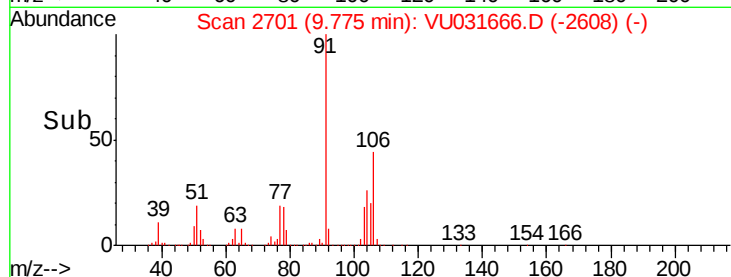
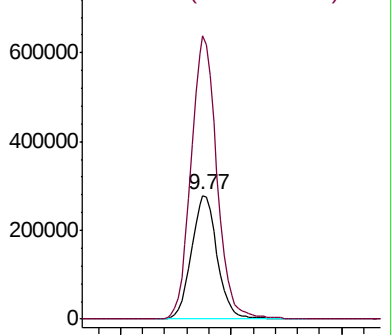
106 100

91 228.8 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 37.799 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031666.D

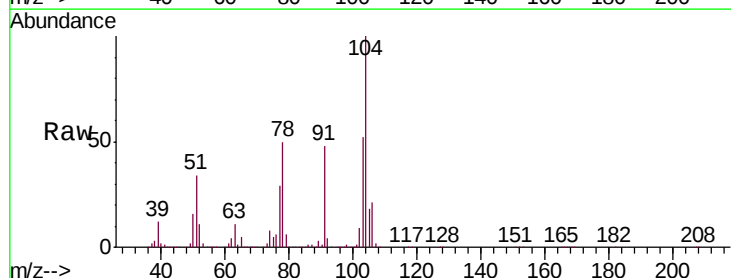
Acq: 01 May 2019 04:31

Tgt Ion:104 Resp: 796701

Ion Ratio Lower Upper

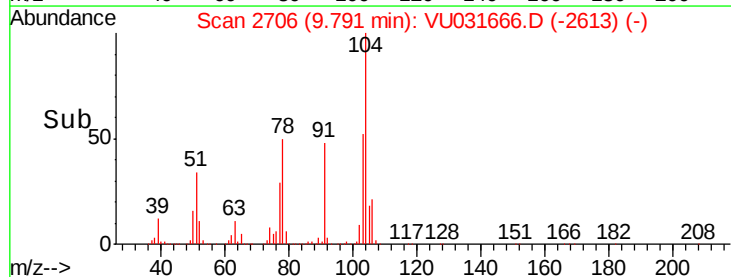
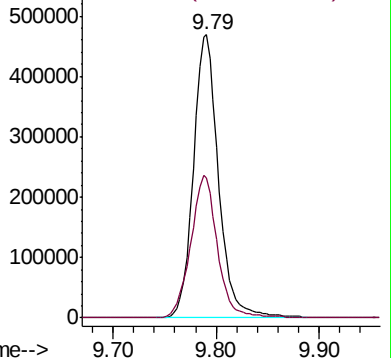
104 100

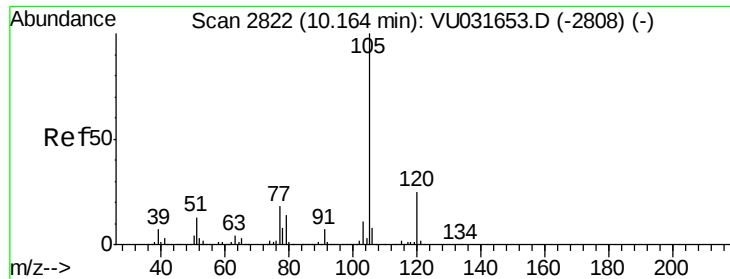
78 49.6 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 0.651 ug/L

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU031666.D

Acq: 01 May 2019 04:31

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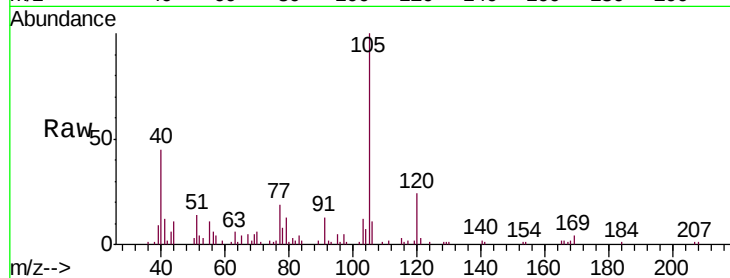
Tgt Ion:105 Resp: 21123

Ion Ratio Lower Upper

105 100

120 26.1 20.1 30.1

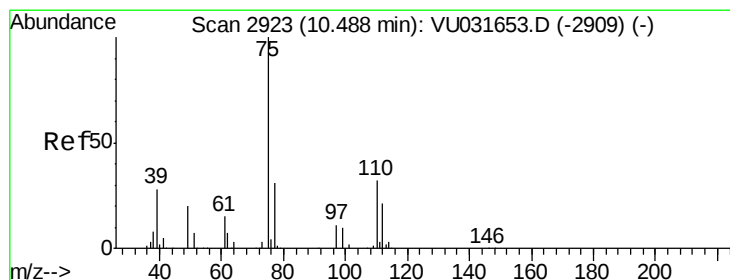
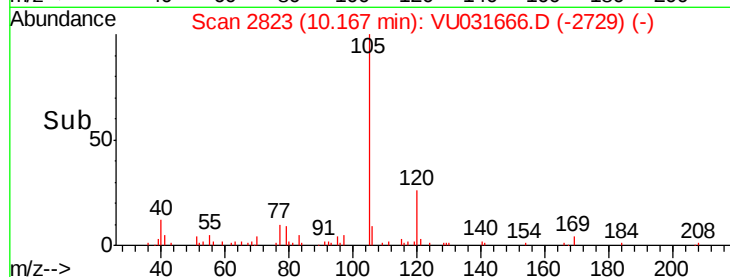
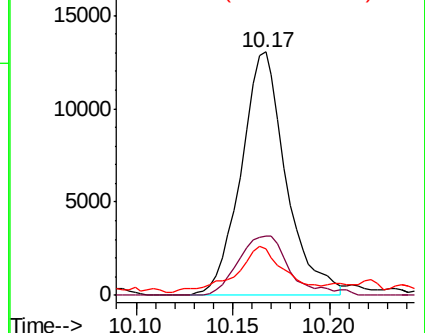
77 15.7 13.8 20.6



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): V



#59

1,2,3-Trichloropropane

Concen: 5.197 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031666.D

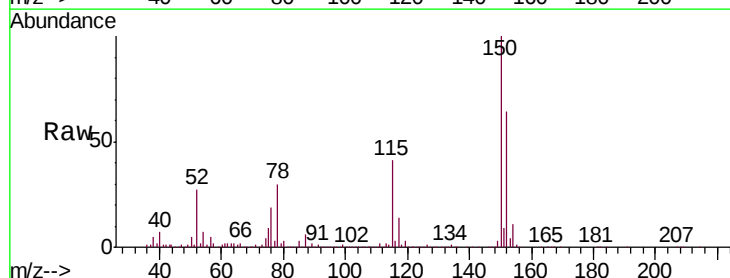
Acq: 01 May 2019 04:31

Tgt Ion: 75 Resp: 60459

Ion Ratio Lower Upper

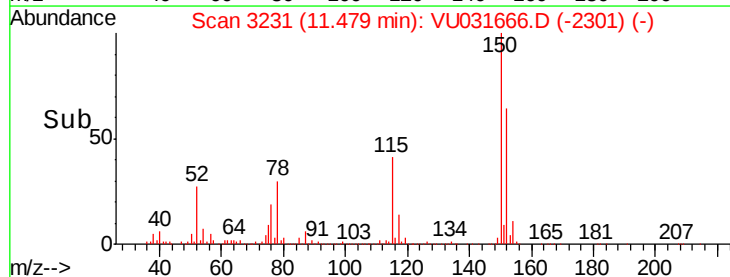
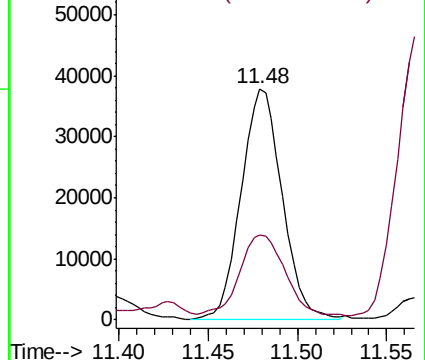
75 100

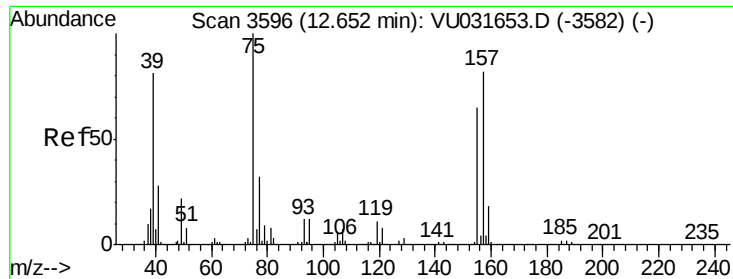
77 38.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#66
 1,2-Dibromo-3-chloropropane
 Concen: 7.865 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.04 min
 Lab File: VU031666.D
 Acq: 01 May 2019 04:31

Instrument :
 MSVOA_U
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 GAJ76

Tgt Ion: 75 Resp: 28437
 Ion Ratio Lower Upper
 75 100
 155 2.6 54.0 81.0#
 157 1.9 69.1 103.7#

