

Data File : VU031532.D
Acq On : 26 Apr 2019 14:56
Operator : JC/SP
Sample : K2481-22ME 5X
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHX5ME

Quant Time: Apr 27 00:24:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 27 00:11:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	924353	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	883904	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	431198	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	370374	47.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.76%
7) Chloroethane-d5	1.68	69	270621	45.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.54%
11) 1,1-Dichloroethene-d2	2.26	63	522920	33.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.88%
21) 2-Butanone-d5	4.19	46	609229	86.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.92%
24) Chloroform-d	4.64	84	584741	41.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.54%
26) 1,2-Dichloroethane-d4	5.31	65	395279	42.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.40%
32) Benzene-d6	5.33	84	1265933	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.28%
36) 1,2-Dichloropropane-d6	6.32	67	422955	44.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.58%
41) Toluene-d8	7.56	98	1108143	46.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.74%
43) trans-1,3-Dichloropropene-	7.85	79	189054	46.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.24%
47) 2-Hexanone-d5	8.32	63	425369	102.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.91%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	556716	43.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	410570	45.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.56%

Target Compounds

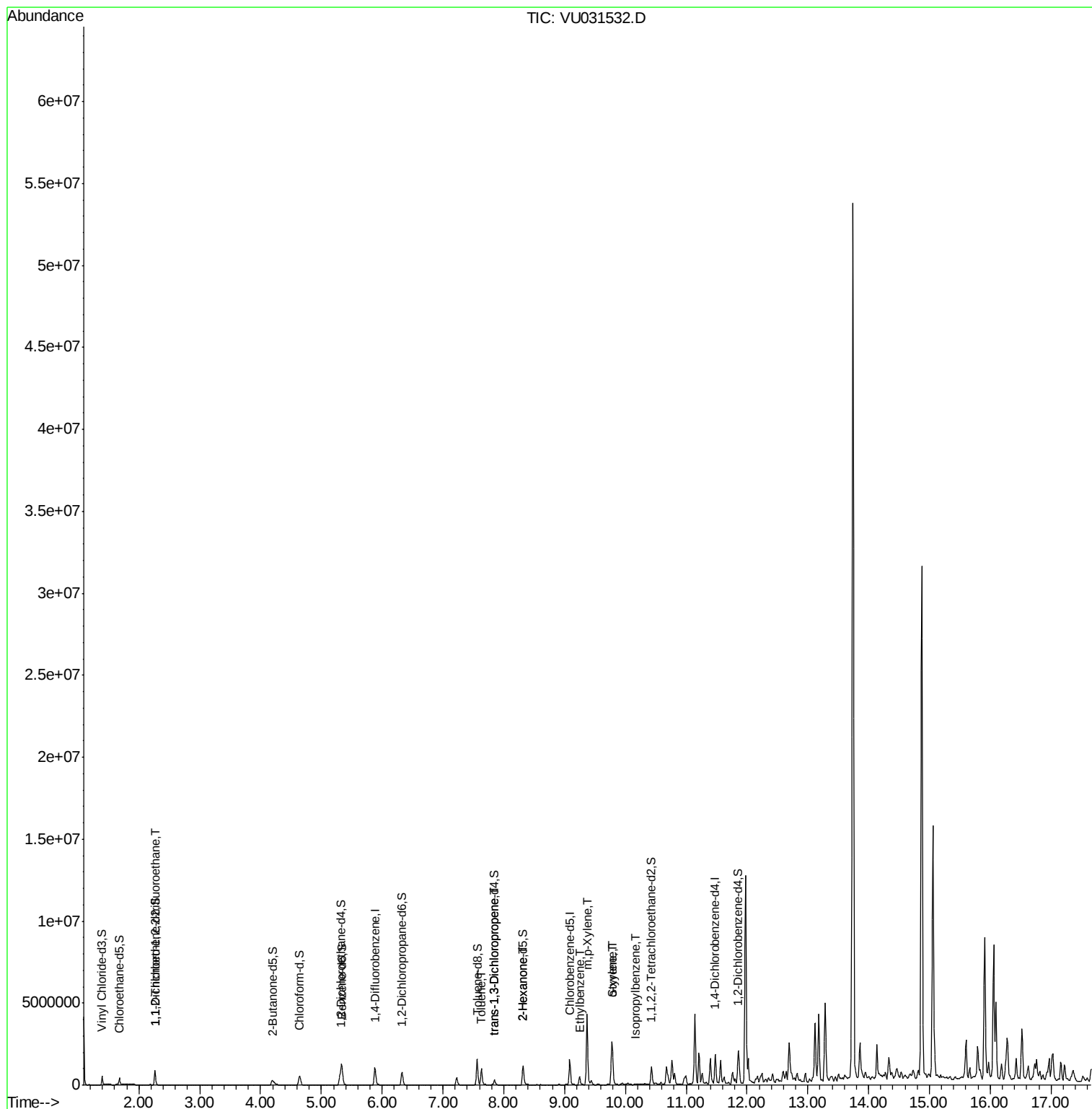
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	4830	0.652	ug/L #	23
42) Toluene	7.63	91	752891	23.258	ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	7139	0.646	ug/L #	68
48) 2-Hexanone	8.32	43	53694	4.677	ug/L #	71
52) Ethylbenzene	9.25	91	372948	11.106	ug/L	99
53) m,p-Xylene	9.37	106	1199807	102.551	ug/L	96
54) o-xylene	9.77	106	514791	44.382	ug/L	95
55) Styrene	9.79	104	680702	34.350	ug/L	96
56) Isopropylbenzene	10.16	105	30634	1.004	ug/L	99

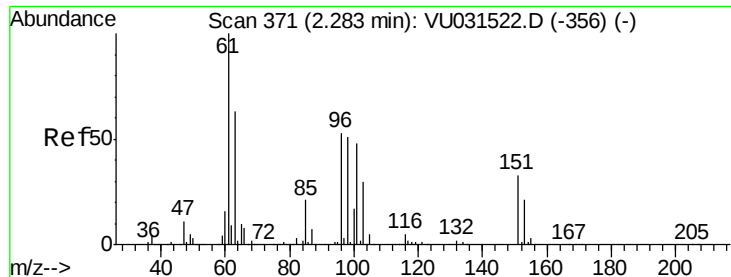
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.652 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

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Instrument :

MSVOA_U

ClientSampleId :

GAHX5ME

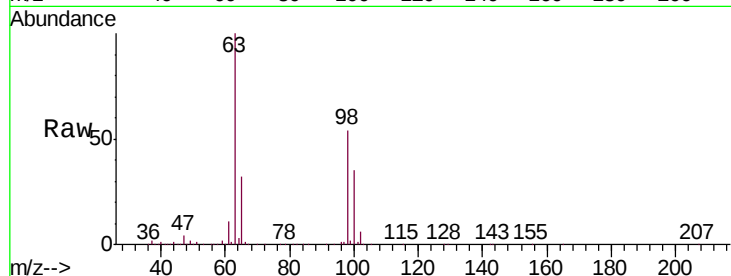
Tgt Ion: 101 Resp: 4830

Ion Ratio Lower Upper

101 100

85 2.4 36.1 54.1#

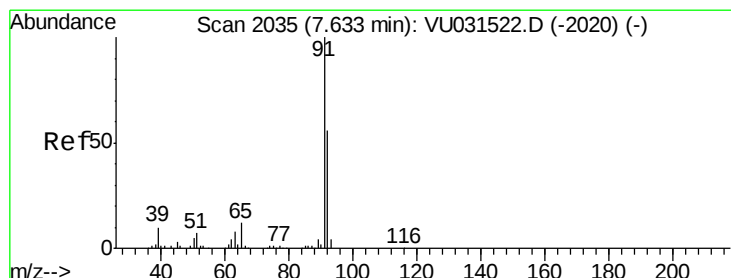
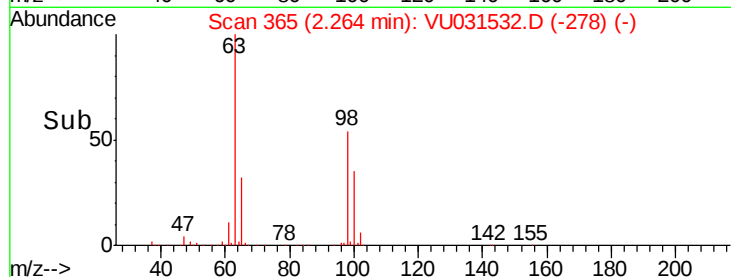
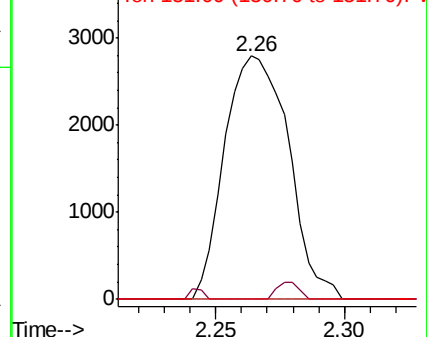
151 0.0 56.1 84.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#42

Toluene

Concen: 23.258 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031532.D

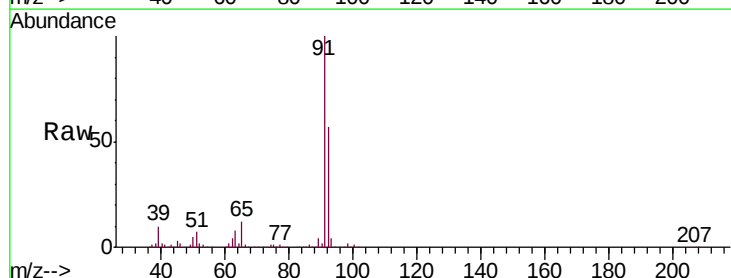
Acq: 26 Apr 2019 14:56

Tgt Ion: 91 Resp: 752891

Ion Ratio Lower Upper

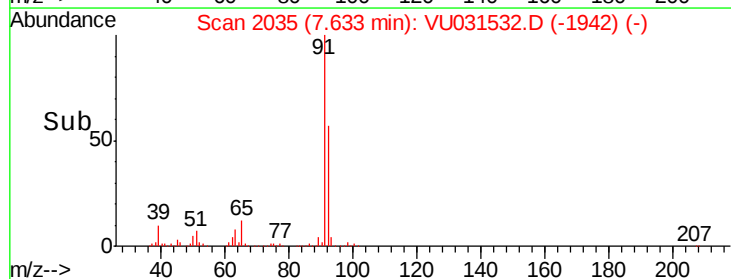
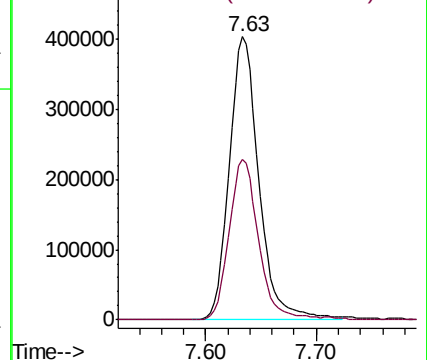
91 100

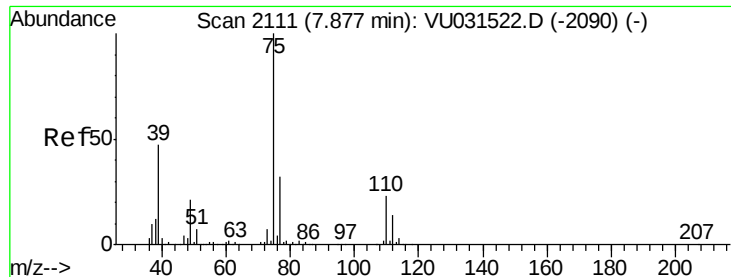
92 56.9 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.646 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031532.D

Acq: 26 Apr 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

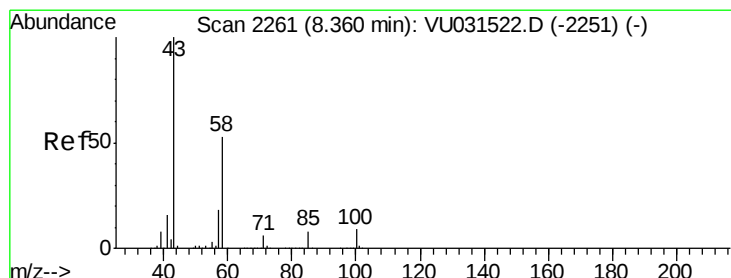
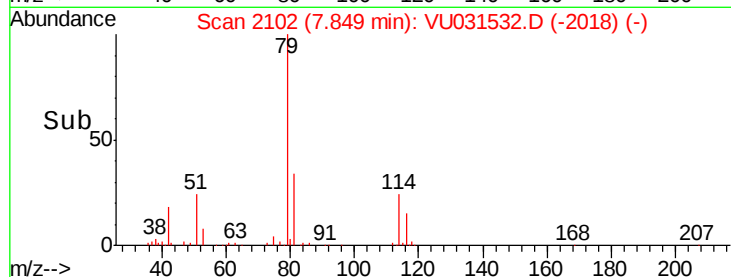
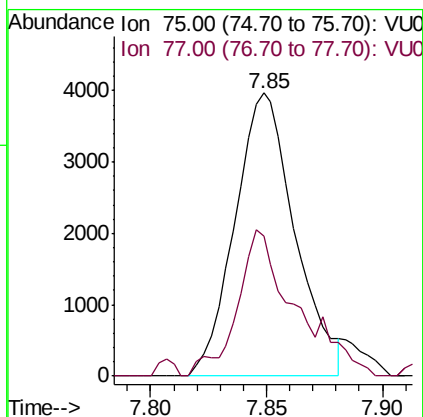
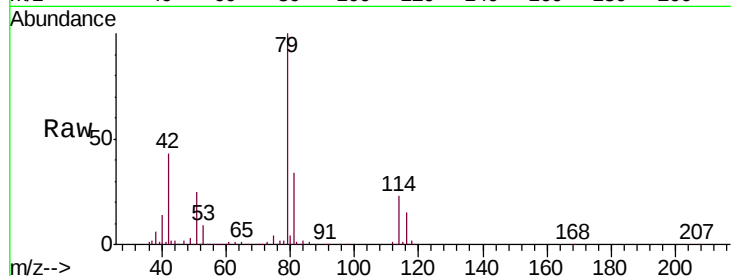
GAHX5ME

Tgt Ion: 75 Resp: 7139

Ion Ratio Lower Upper

75 100

77 49.5 22.1 41.1#



#48

2-Hexanone

Concen: 4.677 ug/L

RT: 8.32 min Scan# 2248

Delta R.T. -0.04 min

Lab File: VU031532.D

Acq: 26 Apr 2019 14:56

Tgt Ion: 43 Resp: 53694

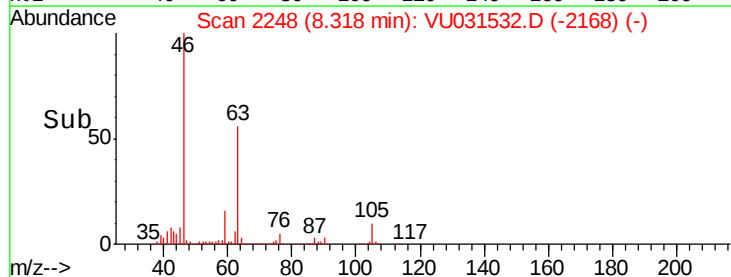
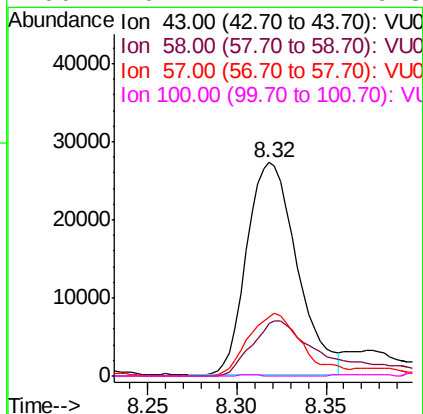
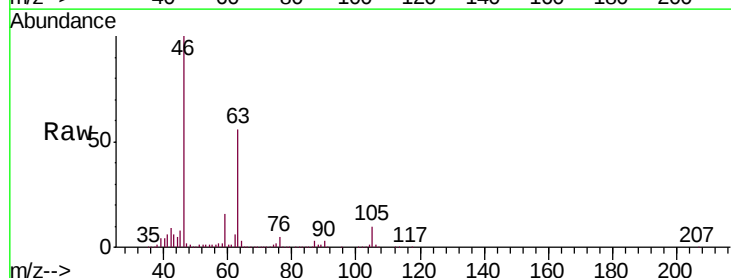
Ion Ratio Lower Upper

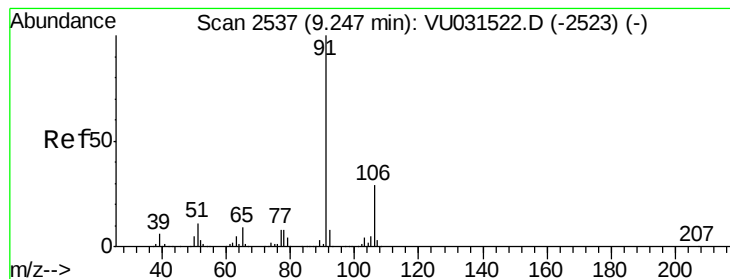
43 100

58 30.8 42.1 63.1#

57 29.8 14.6 22.0#

100 0.2 7.2 10.8#





#52

Ethylbenzene

Concen: 11.106 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031532.D

Acq: 26 Apr 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

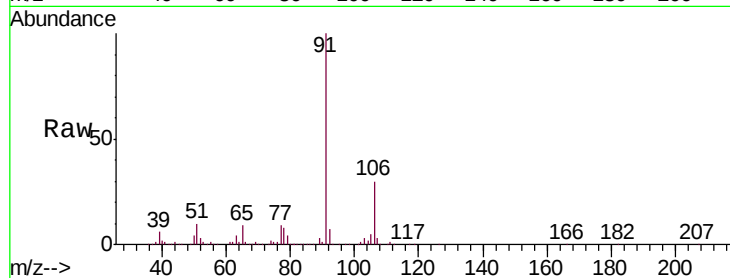
GAHX5ME

Tgt Ion: 91 Resp: 372948

Ion Ratio Lower Upper

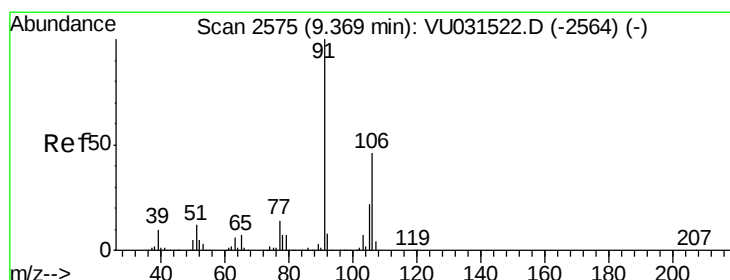
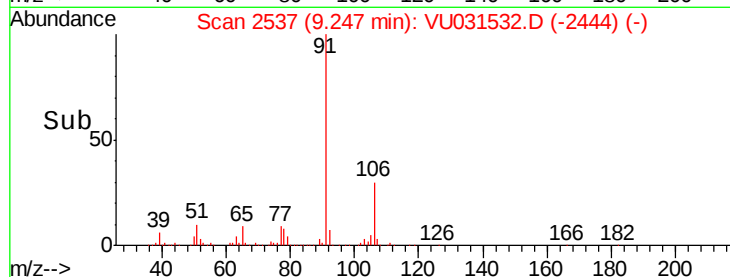
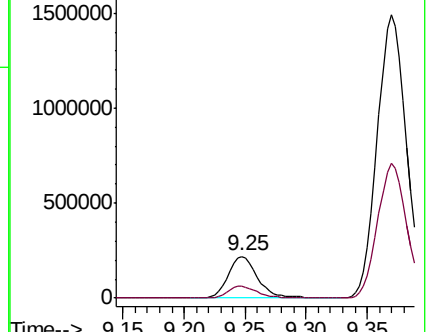
91 100

106 29.5 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU031532.D (-2523) (-)

Ion 106.00 (105.70 to 106.70): VU031532.D (-2523) (-)



#53

m,p-Xylene

Concen: 102.551 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU031532.D

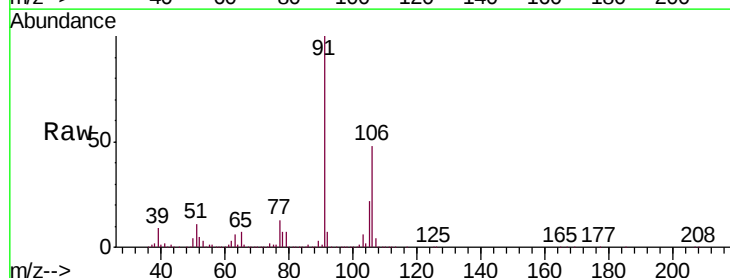
Acq: 26 Apr 2019 14:56

Tgt Ion: 106 Resp: 1199807

Ion Ratio Lower Upper

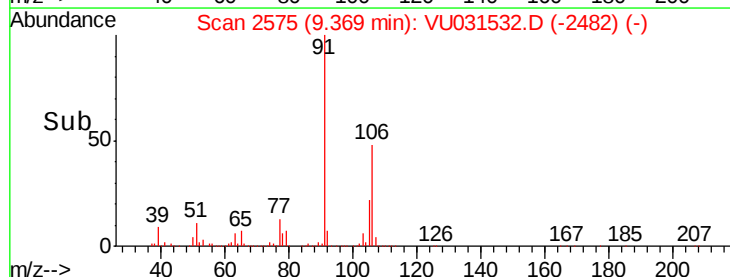
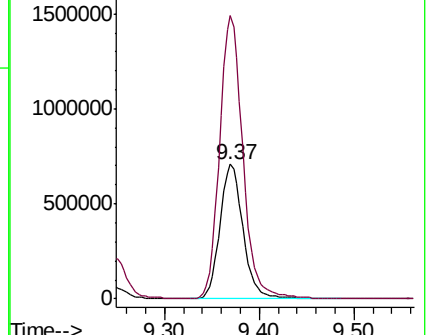
106 100

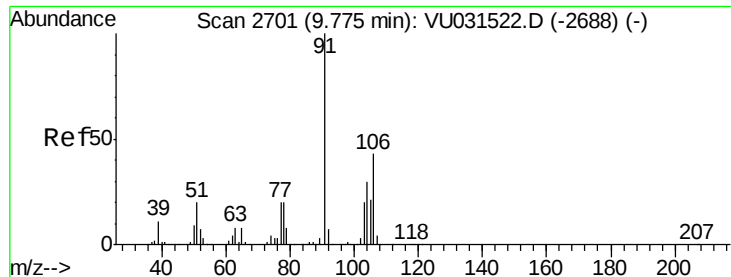
91 210.5 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): VU031532.D (-2564) (-)

Ion 91.00 (90.70 to 91.70): VU031532.D (-2564) (-)





#54

o-xylene

Concen: 44.382 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031532.D

Acq: 26 Apr 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

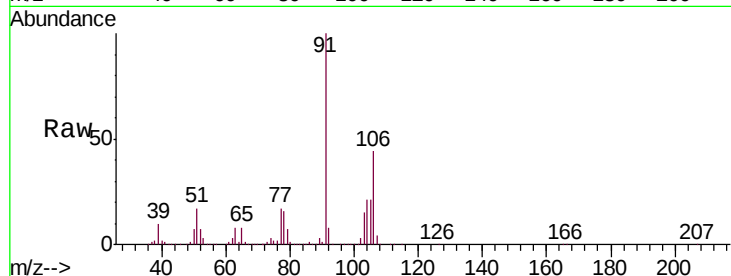
GAHX5ME

Tgt Ion:106 Resp: 514791

Ion Ratio Lower Upper

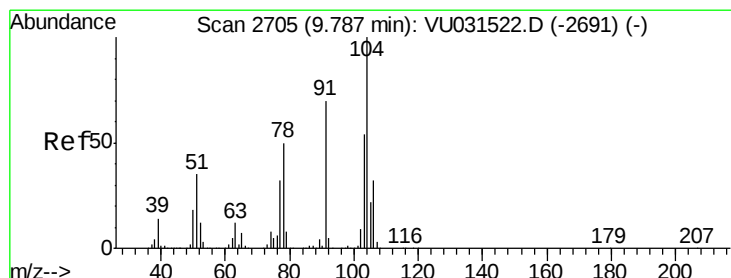
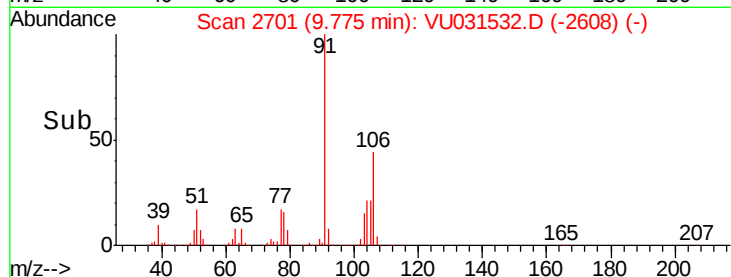
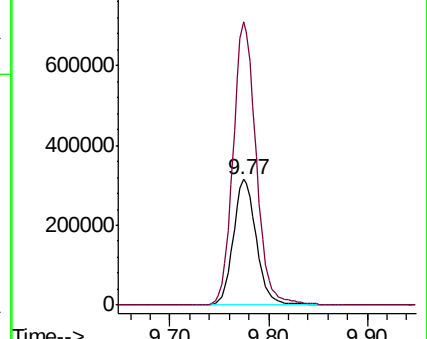
106 100

91 225.3 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 34.350 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031532.D

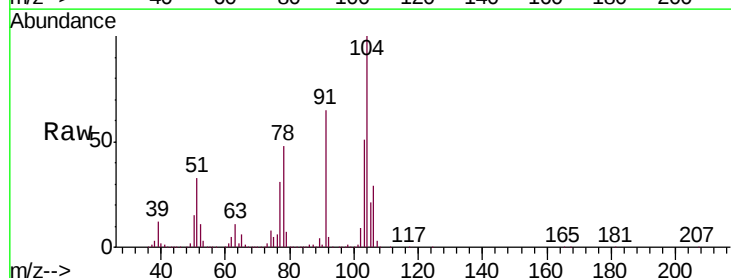
Acq: 26 Apr 2019 14:56

Tgt Ion:104 Resp: 680702

Ion Ratio Lower Upper

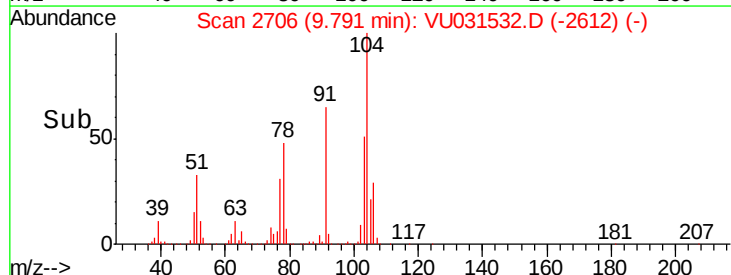
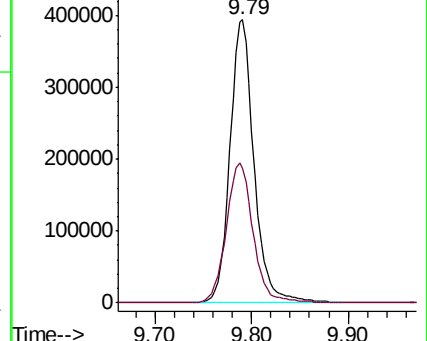
104 100

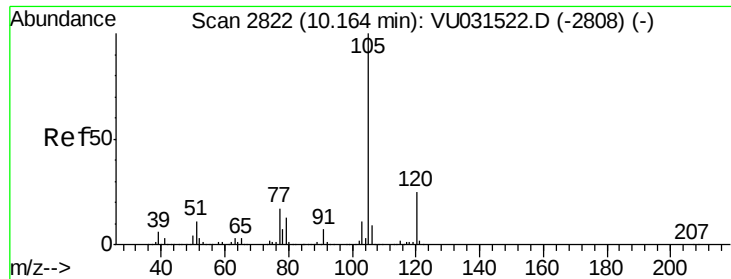
78 47.6 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.004 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

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GAHX5ME

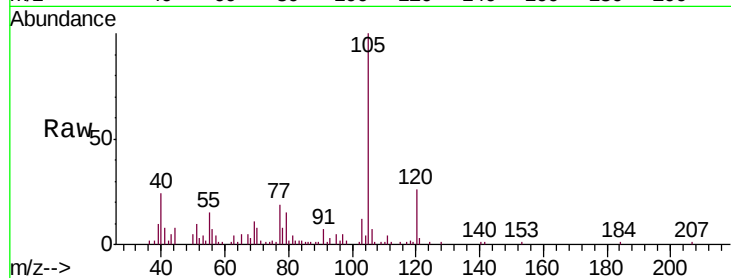
Tgt Ion:105 Resp: 30634

Ion Ratio Lower Upper

105 100

120 25.1 20.1 30.1

77 17.9 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): VU

