

Data File : VU031705.D
Acq On : 02 May 2019 12:25
Operator : JC/SP
Sample : K2603-15DL 100X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAJ67DL

Quant Time: May 03 04:41:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 04:37:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	987344	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	943978	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	441460	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	223011	26.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	53.98%#
7) Chloroethane-d5	1.83	69	342	0.05	ug/L	0.15
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.10%#
11) 1,1-Dichloroethene-d2	2.27	63	368686	22.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	44.80%#
21) 2-Butanone-d5	4.19	46	736209	98.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.33%
24) Chloroform-d	4.87	84	199	0.01	ug/L	0.23
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.02%#
26) 1,2-Dichloroethane-d4	5.31	65	371844	37.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.22%
32) Benzene-d6	5.34	84	1086028	37.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.94%
36) 1,2-Dichloropropane-d6	6.32	67	400727	39.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.58%
41) Toluene-d8	7.56	98	934469	37.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.02%#
43) trans-1,3-Dichloropropene-	7.85	79	164023	37.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.94%
47) 2-Hexanone-d5	8.31	63	499076	113.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	583877	42.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	375127	40.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.82%

Target Compounds

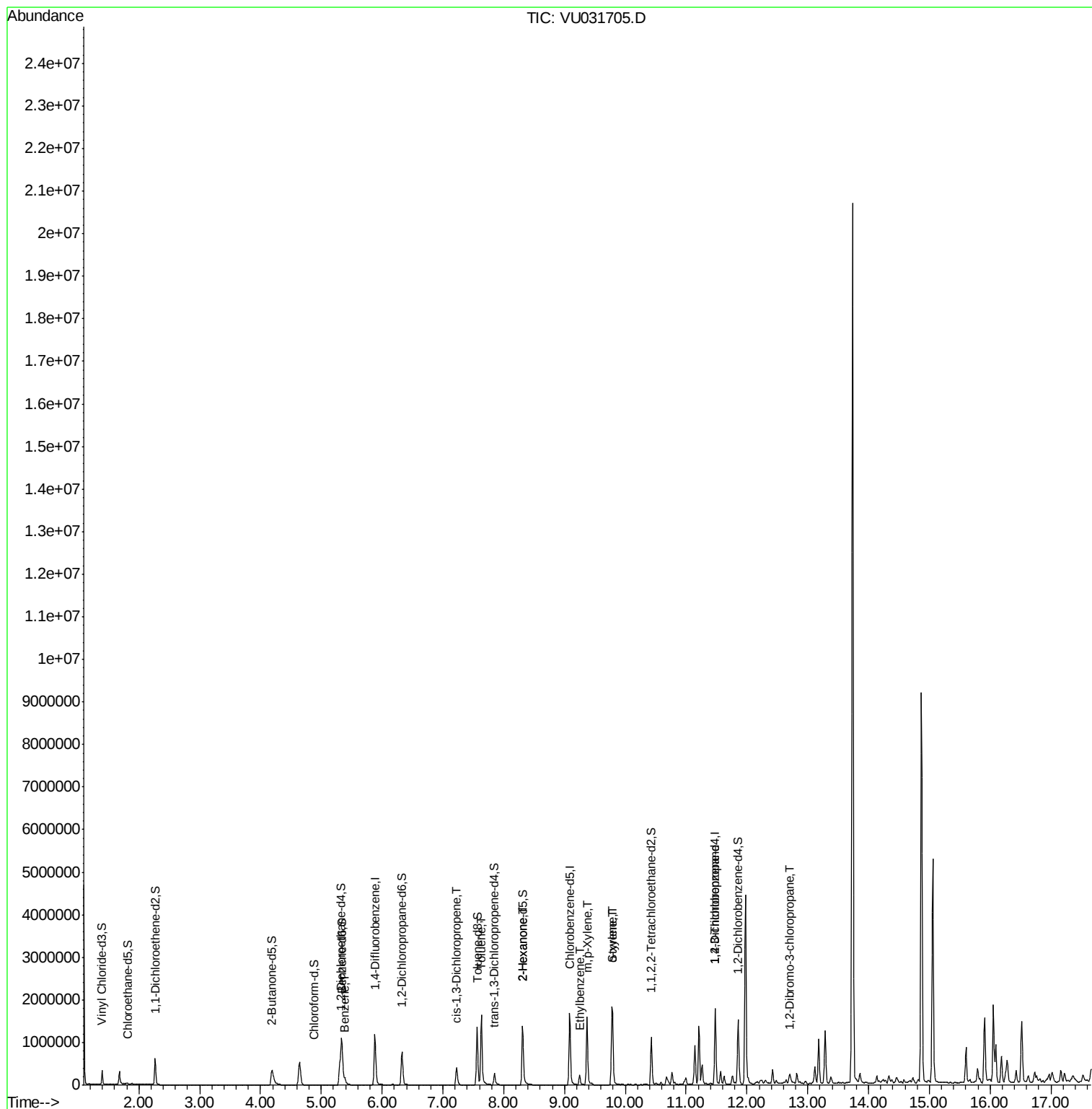
					Qvalue
33) Benzene	5.39	78	157147	4.528	ug/L 100
39) cis-1,3-Dichloropropene	7.22	75	9969	0.766	ug/L # 83
42) Toluene	7.63	91	1269691	36.726	ug/L 99
48) 2-Hexanone	8.31	43	60646	4.946	ug/L # 71
52) Ethylbenzene	9.25	91	167888	4.682	ug/L 98
53) m,p-Xylene	9.37	106	443569	35.500	ug/L 97
54) o-xylene	9.77	106	201448	16.262	ug/L 97
55) Styrene	9.79	104	712685	33.675	ug/L 96
59) 1,2,3-Trichloropropane	11.48	75	60390	5.170	ug/L 94
66) 1,2-Dibromo-3-chloropropan	12.71	75	4190	1.162	ug/L # 21

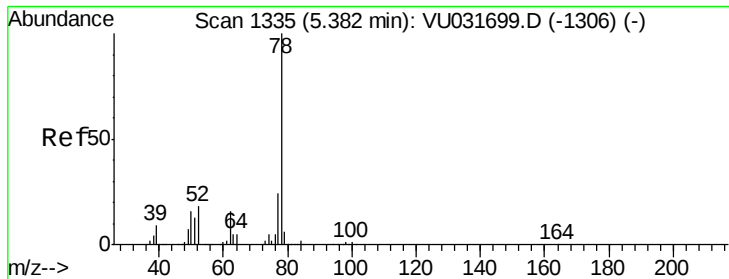
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 4.528 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU031705.D

Acq: 02 May 2019 12:25

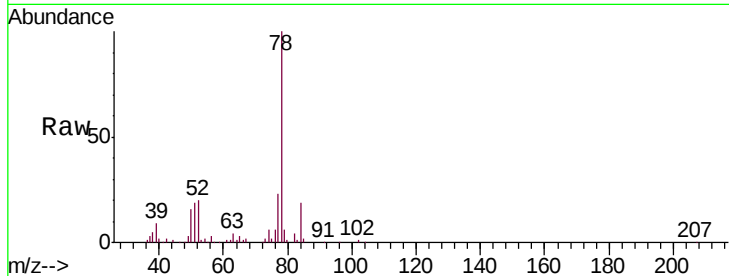
Instrument :

MSVOA_U

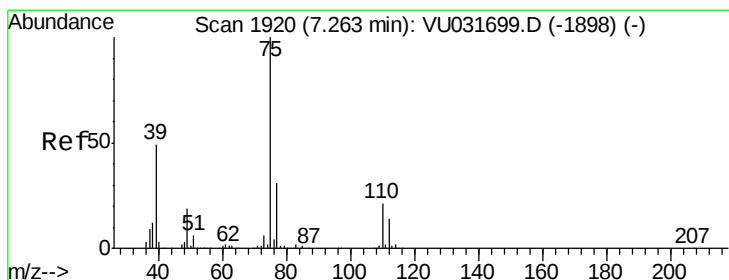
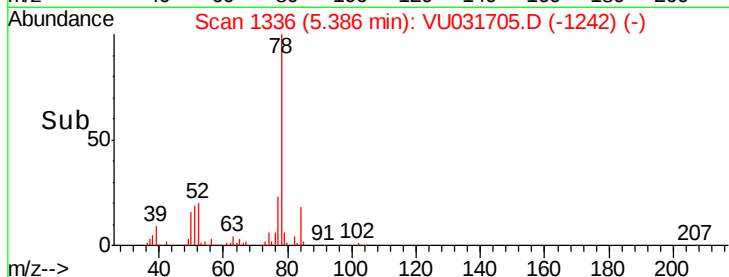
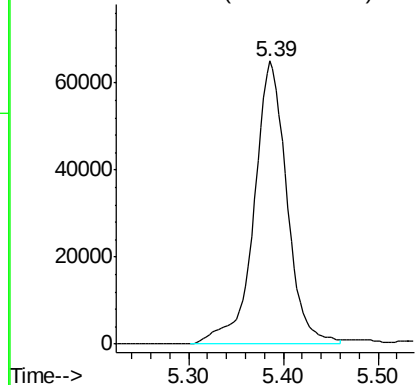
ClientSampleId :

GAJ67DL

Tgt Ion: 78 Resp: 157147



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.766 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031705.D

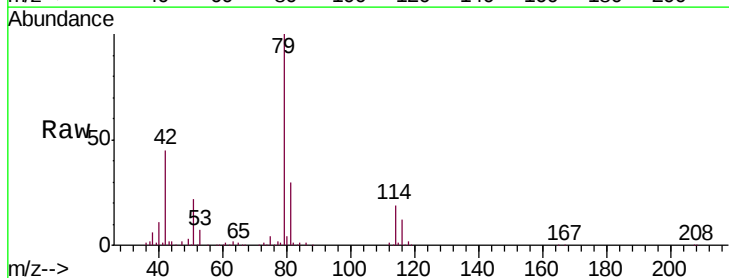
Acq: 02 May 2019 12:25

Tgt Ion: 75 Resp: 9969

Ion Ratio Lower Upper

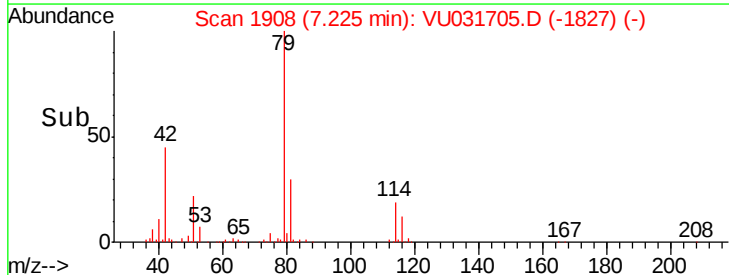
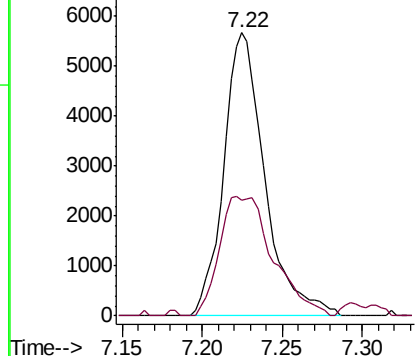
75 100

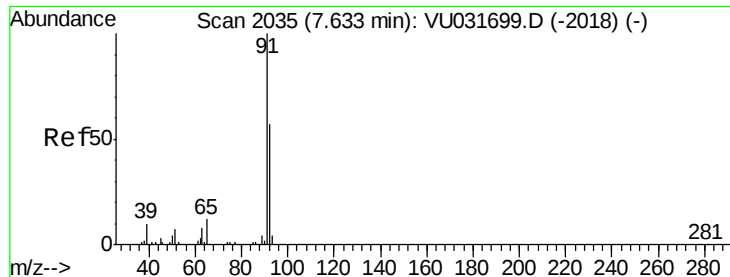
77 41.1 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 36.726 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031705.D

Acq: 02 May 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

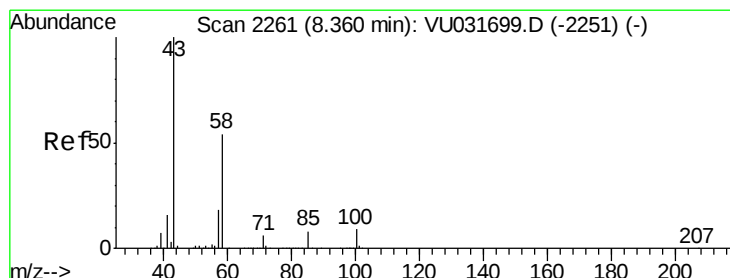
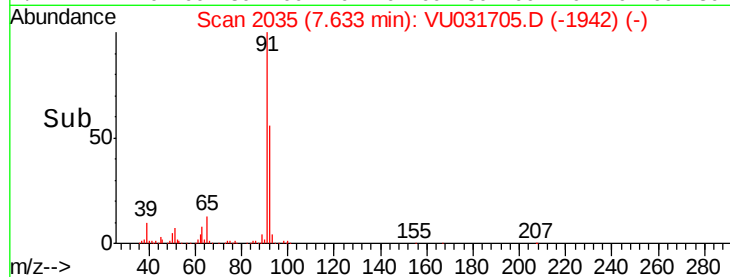
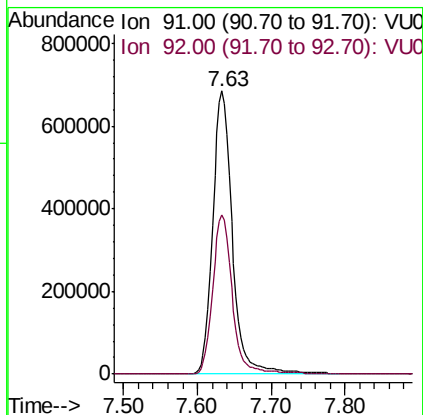
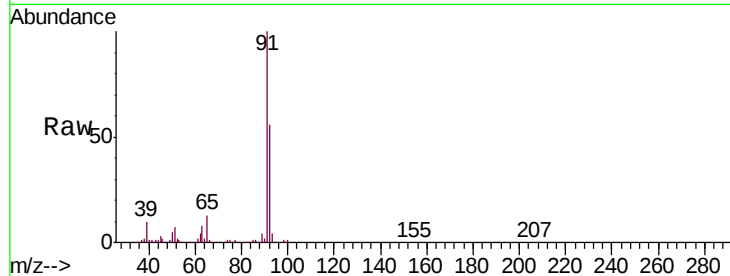
GAJ67DL

Tgt Ion: 91 Resp: 1269691

Ion Ratio Lower Upper

91 100

92 56.4 39.0 72.4



#48

2-Hexanone

Concen: 4.946 ug/L

RT: 8.31 min Scan# 2246

Delta R.T. -0.05 min

Lab File: VU031705.D

Acq: 02 May 2019 12:25

Tgt Ion: 43 Resp: 60646

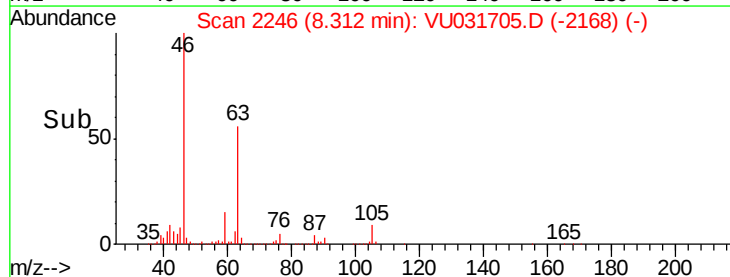
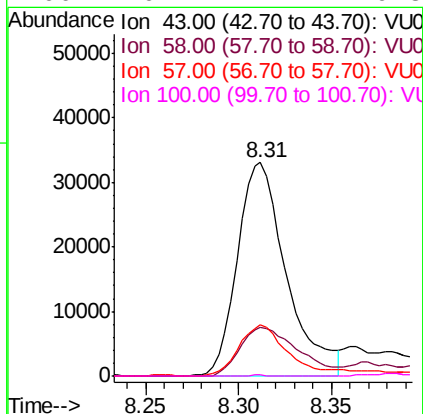
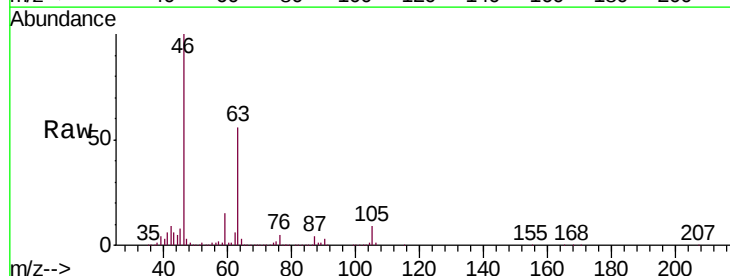
Ion Ratio Lower Upper

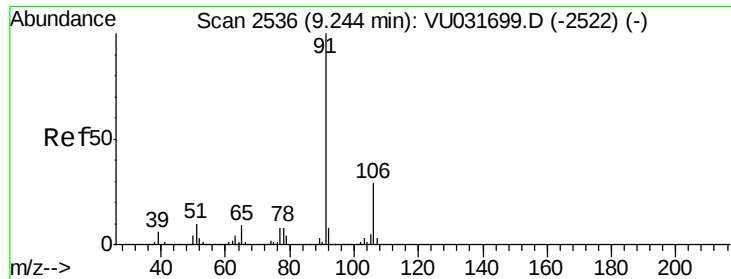
43 100

58 27.2 42.1 63.1#

57 23.2 14.6 22.0#

100 0.1 7.2 10.8#





#52

Ethylbenzene

Concen: 4.682 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031705.D

Acq: 02 May 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

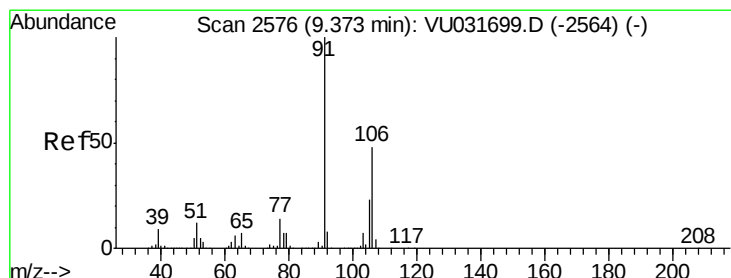
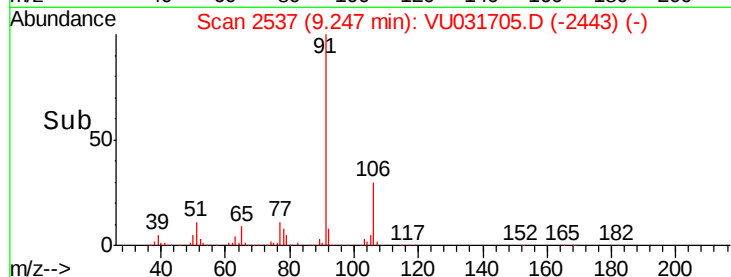
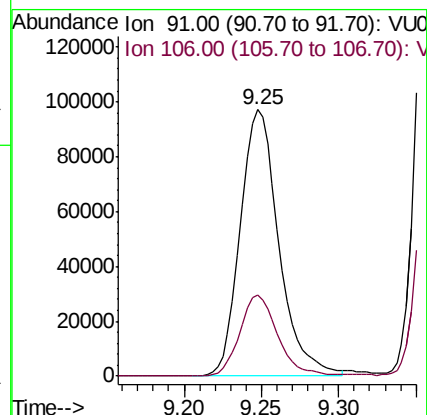
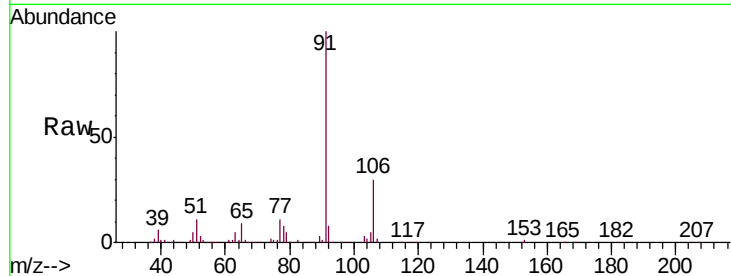
GAJ67DL

Tgt Ion: 91 Resp: 167888

Ion Ratio Lower Upper

91 100

106 30.3 20.4 37.8



#53

m,p-Xylene

Concen: 35.500 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031705.D

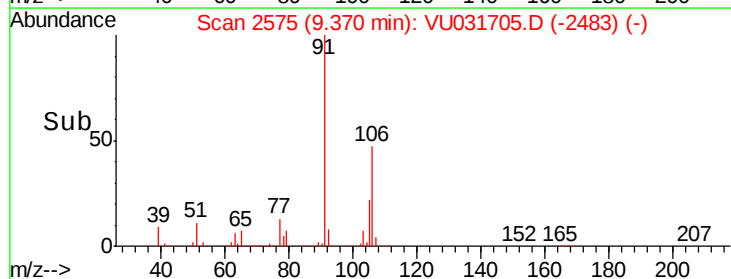
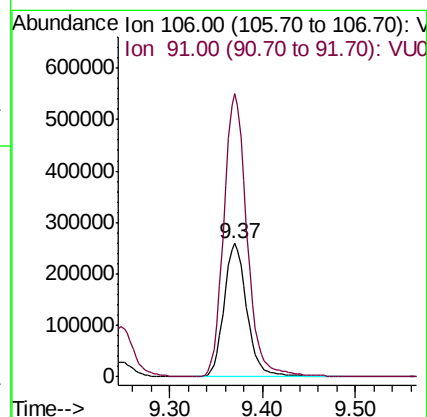
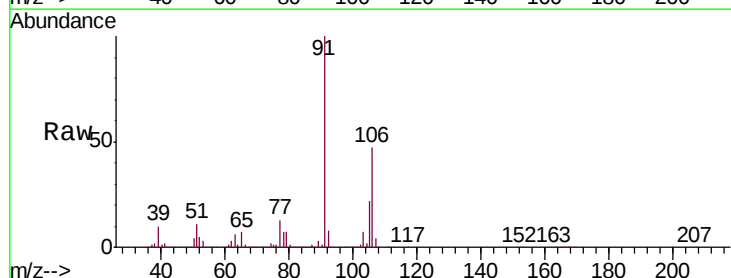
Acq: 02 May 2019 12:25

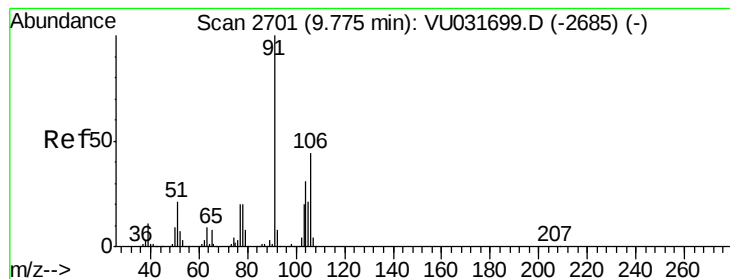
Tgt Ion: 106 Resp: 443569

Ion Ratio Lower Upper

106 100

91 212.2 152.2 282.6





#54

o-xylene

Concen: 16.262 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031705.D

Acq: 02 May 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

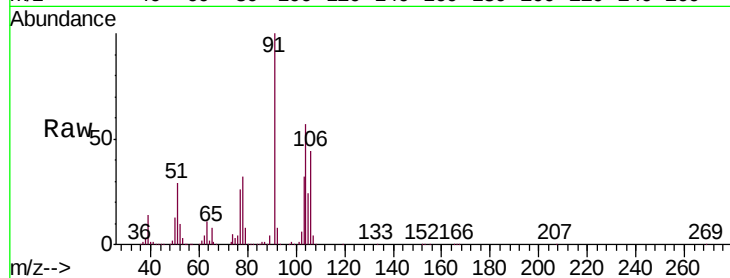
GAJ67DL

Tgt Ion:106 Resp: 201448

Ion Ratio Lower Upper

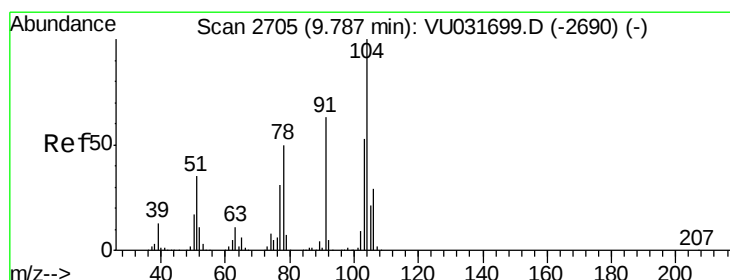
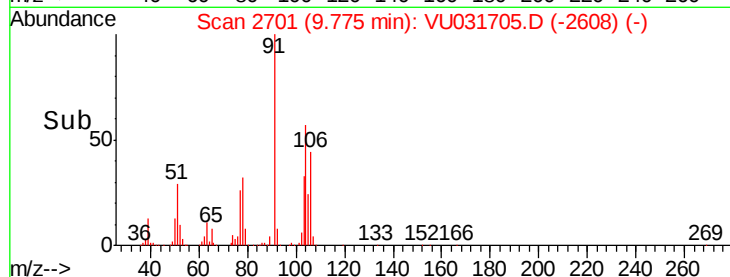
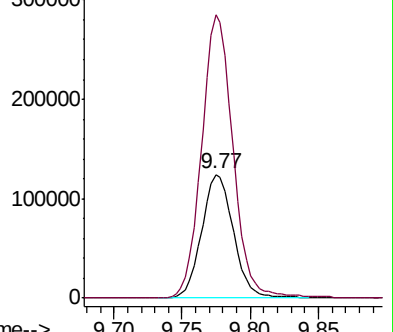
106 100

91 228.3 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 33.675 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031705.D

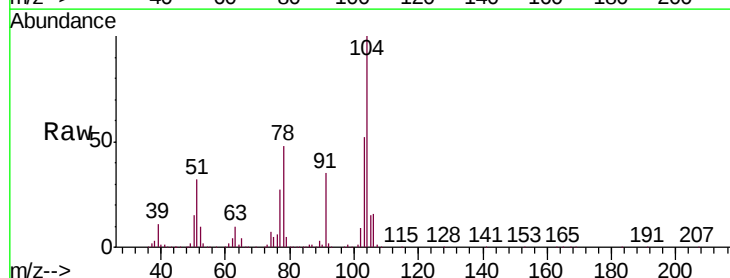
Acq: 02 May 2019 12:25

Tgt Ion:104 Resp: 712685

Ion Ratio Lower Upper

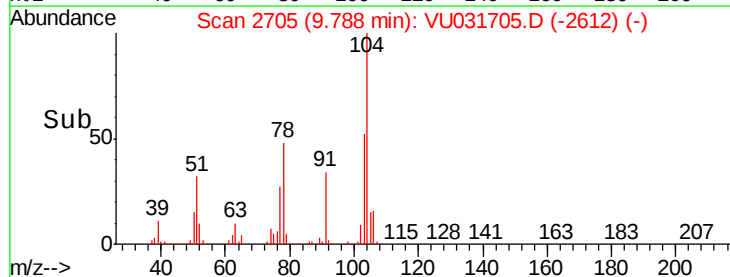
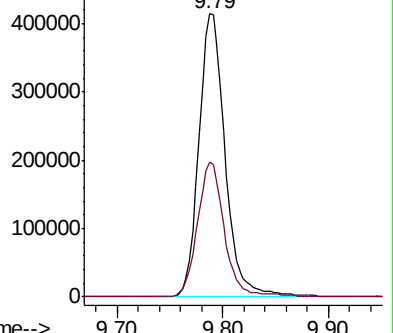
104 100

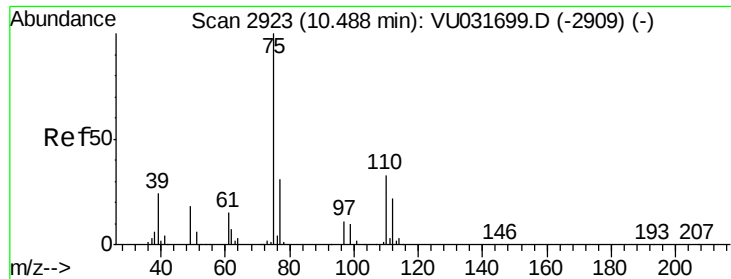
78 47.8 35.4 65.7



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: 5.170 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031705.D

Acq: 02 May 2019 12:25

Instrument :

MSVOA_U

ClientSampled :

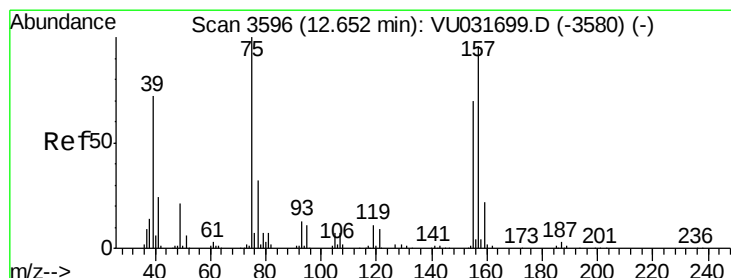
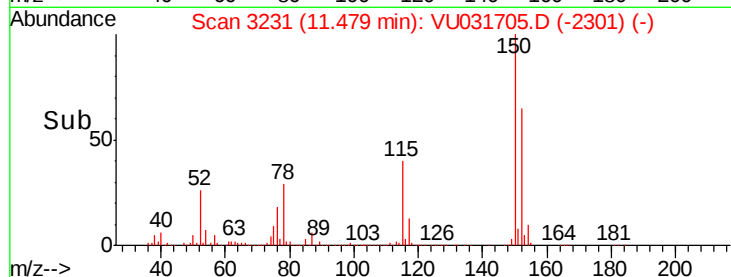
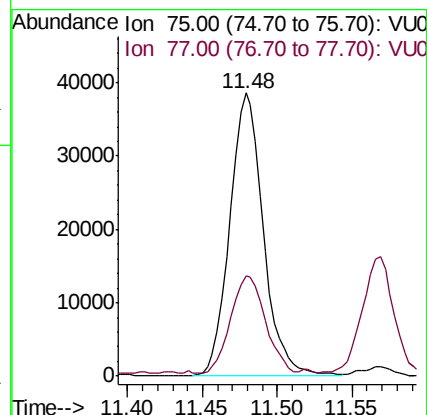
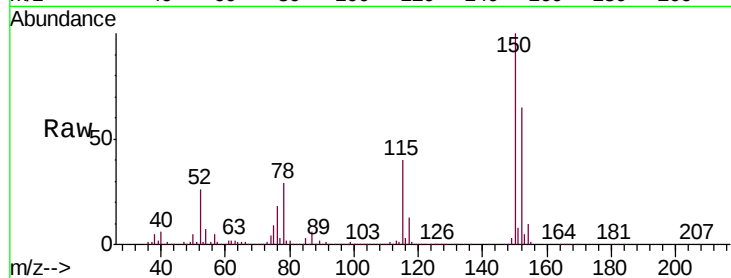
GAJ67DL

Tgt Ion: 75 Resp: 60390

Ion Ratio Lower Upper

75 100

77 36.0 25.9 38.9



#66

1,2-Dibromo-3-chloropropane

Concen: 1.162 ug/L

RT: 12.71 min Scan# 3615

Delta R.T. 0.06 min

Lab File: VU031705.D

Acq: 02 May 2019 12:25

Tgt Ion: 75 Resp: 4190

Ion Ratio Lower Upper

75 100

155 13.9 54.0 81.0#

157 5.4 69.1 103.7#

