

Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL2 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAJ86DL

Quant Time: May 02 02:28:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 02 02:23:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	934807	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	914786	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	434086	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	248513	31.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.52%
7) Chloroethane-d5	1.68	69	221587	36.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.30%
11) 1,1-Dichloroethene-d2	2.27	63	401252	25.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.50%#
21) 2-Butanone-d5	4.18	46	683644	96.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.44%
24) Chloroform-d	4.64	84	526000	36.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.42%
26) 1,2-Dichloroethane-d4	5.31	65	371768	39.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.42%
32) Benzene-d6	5.34	84	1106223	39.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.76%
36) 1,2-Dichloropropane-d6	6.32	67	402220	40.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.40%
41) Toluene-d8	7.56	98	968706	39.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.18%#
43) trans-1,3-Dichloropropene-	7.85	79	167314	39.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.88%
47) 2-Hexanone-d5	8.31	63	444673	103.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.95%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	569074	42.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.82%
64) 1,2-Dichlorobenzene-d4	11.85	152	382382	41.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.78%

Target Compounds

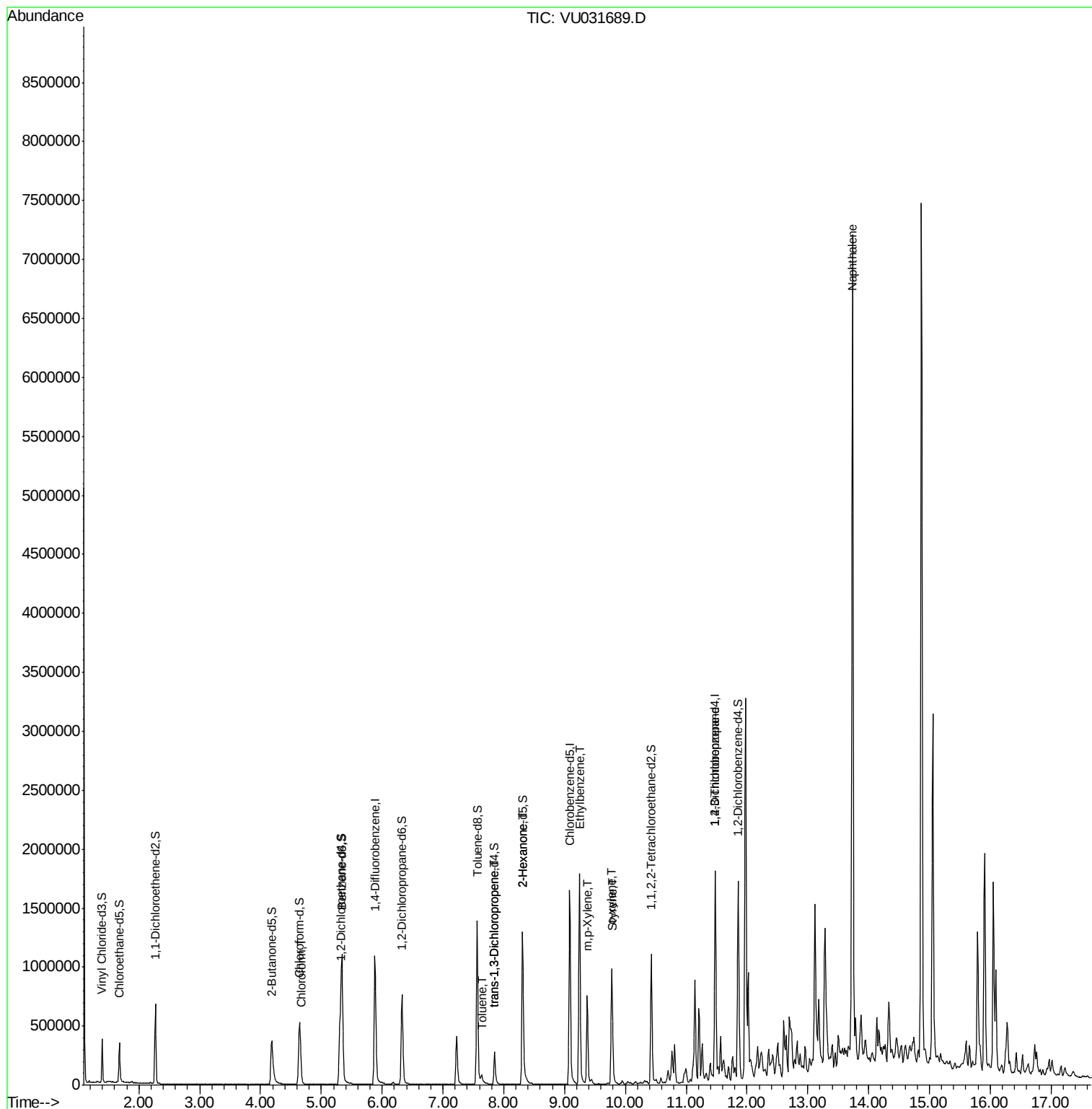
						Qvalue
25) Chloroform	4.67	83	22802	1.490	ug/L	99
42) Toluene	7.64	91	45598	1.361	ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	6218	0.543	ug/L	96
48) 2-Hexanone	8.31	43	50792	4.275	ug/L #	77
52) Ethylbenzene	9.25	91	1287479	37.047	ug/L	99
53) m,p-Xylene	9.37	106	213274	17.614	ug/L	96
54) o-xylene	9.77	106	235530	19.621	ug/L	95
55) Styrene	9.79	104	113742	5.546	ug/L	90
59) 1,2,3-Trichloropropane	11.48	75	61191	5.405	ug/L	97
69) Naphthalene	13.74	128	5065713	174.384	ug/L	100

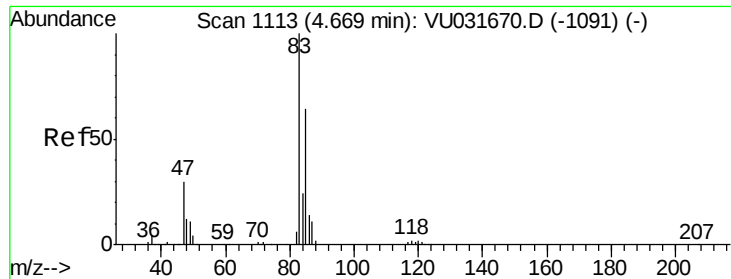
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu May 02 02:23:23 2019
Response via : Initial Calibration





#25

Chloroform

Concen: 1.490 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU031689.D

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MSVOA_U

ClientSampleId :

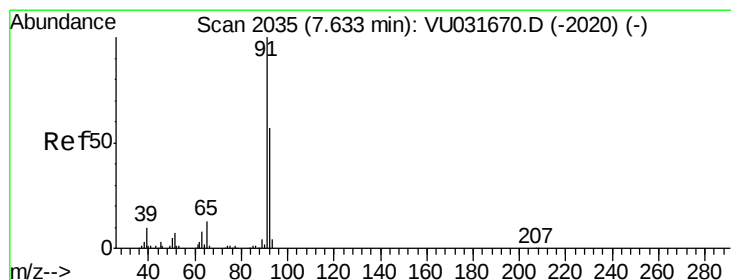
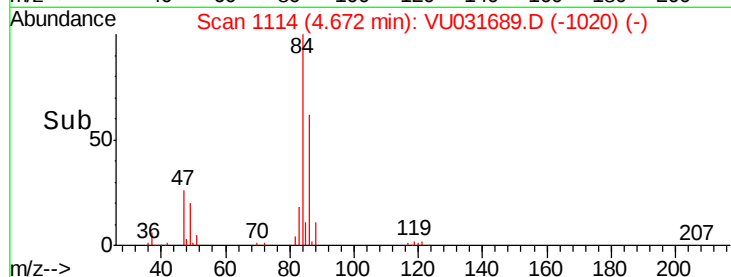
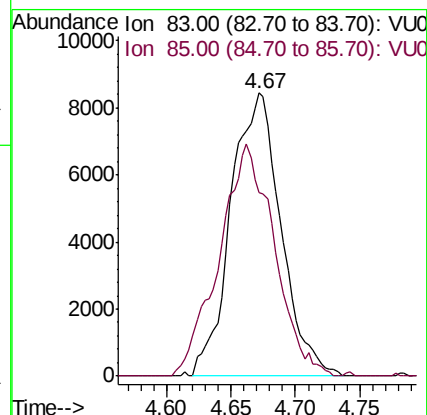
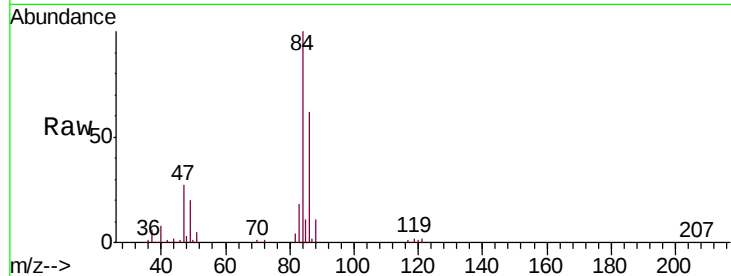
GAJ86DL

Tgt Ion: 83 Resp: 22802

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.3



#42

Toluene

Concen: 1.361 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU031689.D

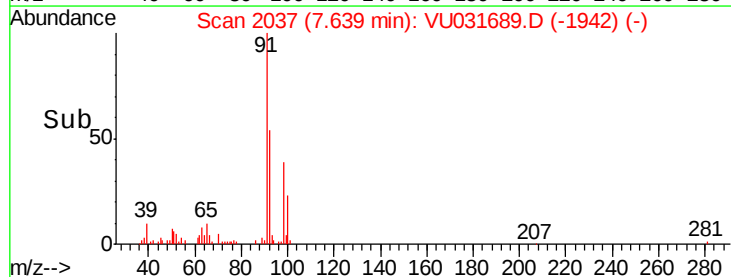
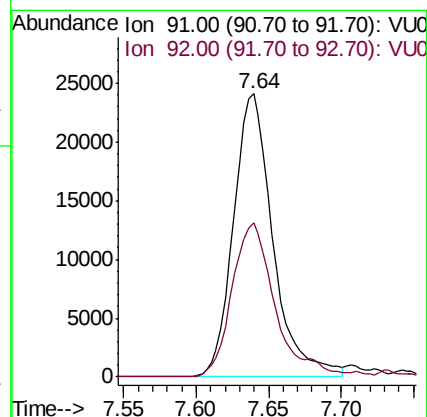
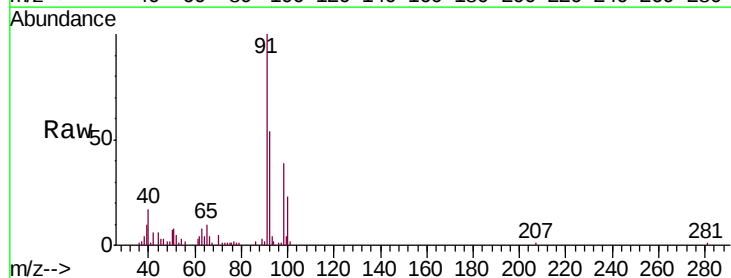
Acq: 01 May 2019 17:02

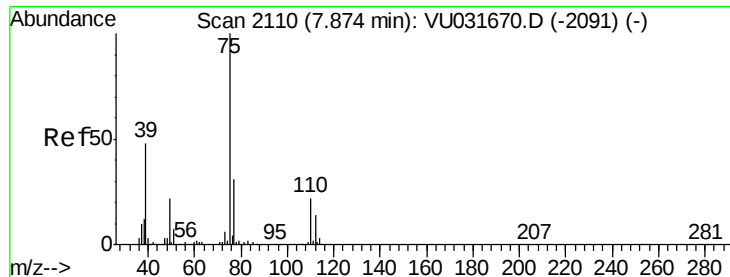
Tgt Ion: 91 Resp: 45598

Ion Ratio Lower Upper

91 100

92 54.5 39.0 72.4





#44

trans-1,3-Dichloropropene

Concen: 0.543 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031689.D

Acq: 01 May 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

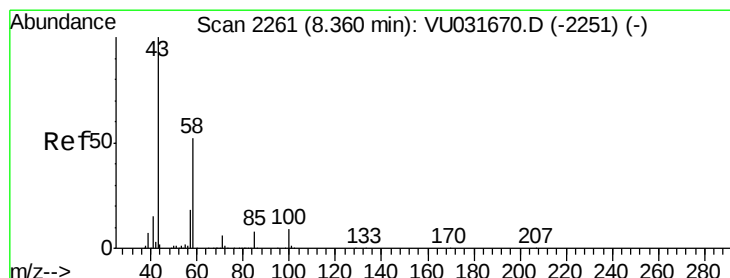
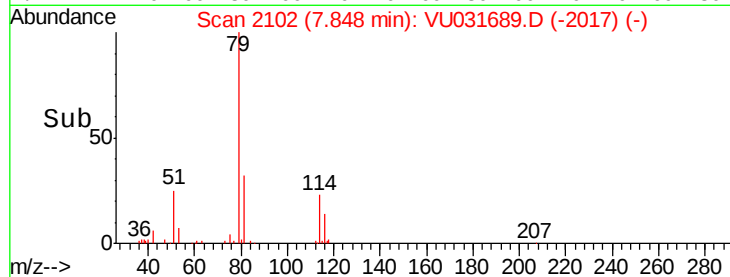
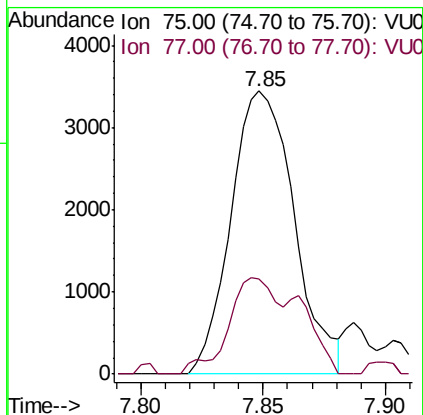
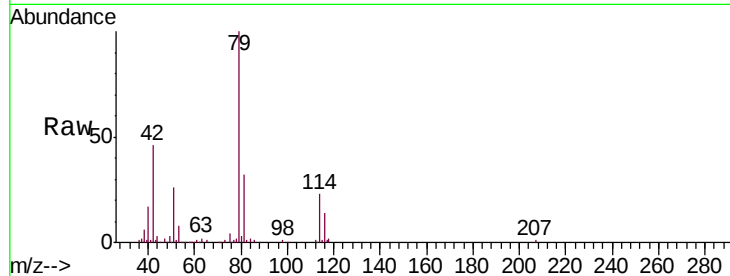
GAJ86DL

Tgt Ion: 75 Resp: 6218

Ion Ratio Lower Upper

75 100

77 33.6 22.1 41.1



#48

2-Hexanone

Concen: 4.275 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU031689.D

Acq: 01 May 2019 17:02

Tgt Ion: 43 Resp: 50792

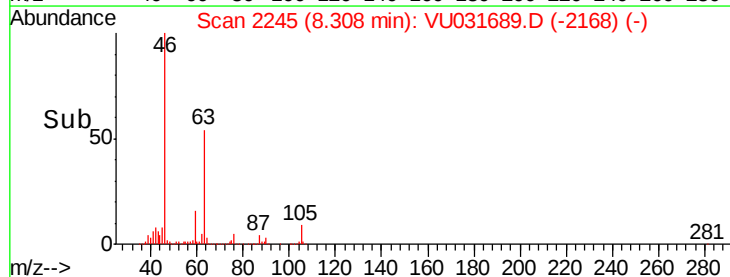
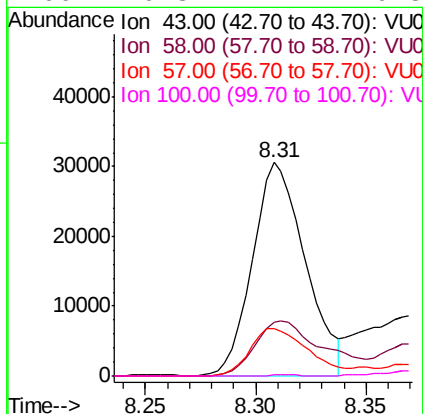
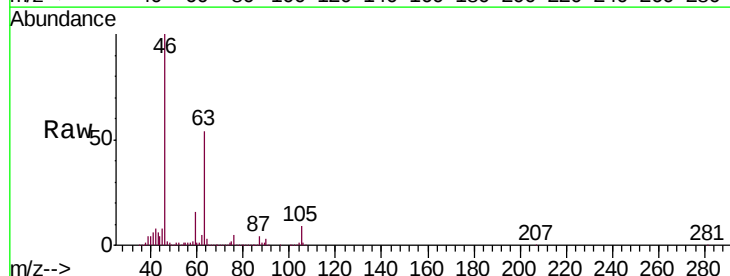
Ion Ratio Lower Upper

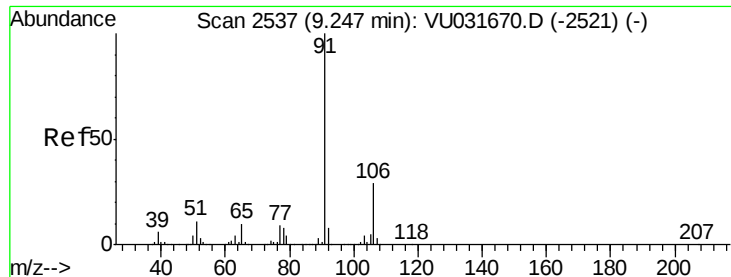
43 100

58 33.7 42.1 63.1#

57 24.4 14.6 22.0#

100 0.3 7.2 10.8#





#52

Ethylbenzene

Concen: 37.047 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU031689.D

Acq: 01 May 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

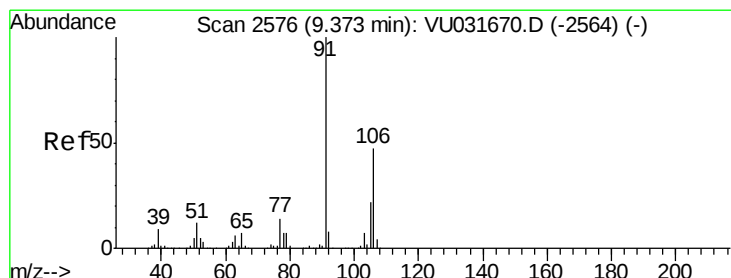
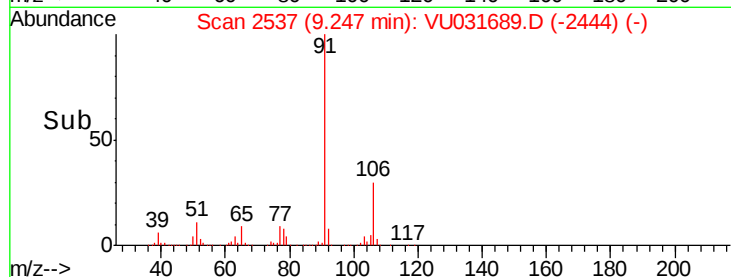
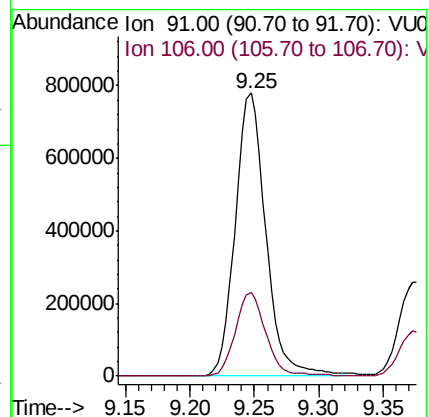
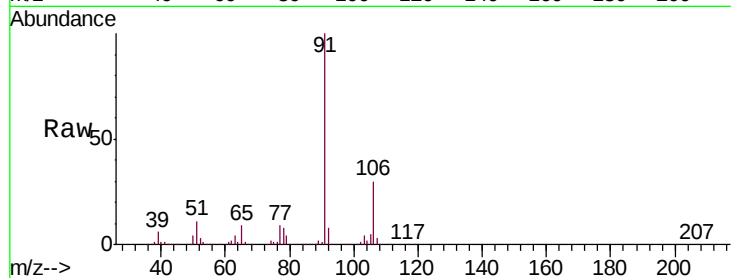
GAJ86DL

Tgt Ion: 91 Resp: 1287479

Ion Ratio Lower Upper

91 100

106 29.5 20.4 37.8



#53

m,p-Xylene

Concen: 17.614 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031689.D

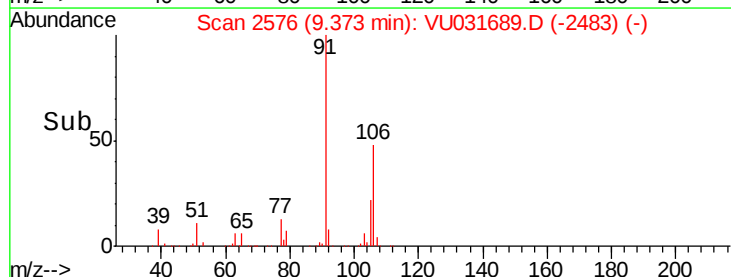
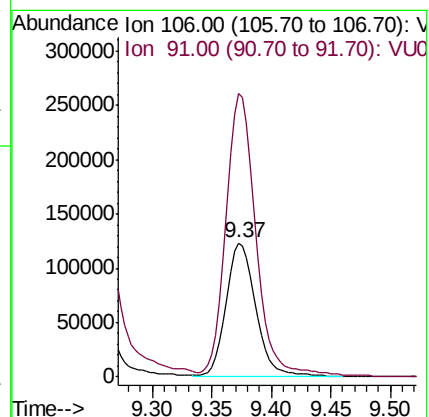
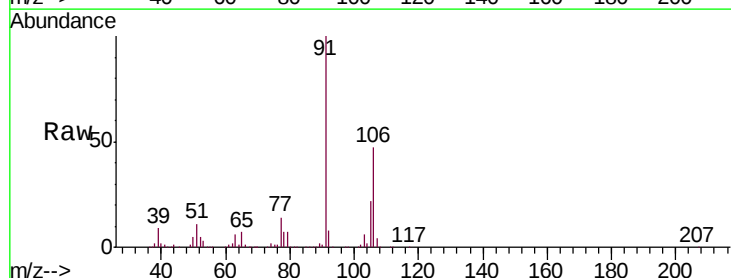
Acq: 01 May 2019 17:02

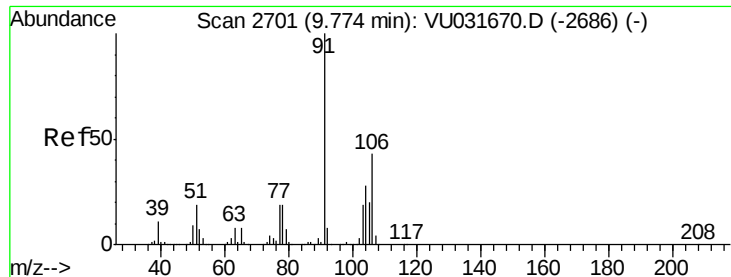
Tgt Ion: 106 Resp: 213274

Ion Ratio Lower Upper

106 100

91 210.9 152.2 282.6





#54

o-xylene

Concen: 19.621 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU031689.D

Acq: 01 May 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

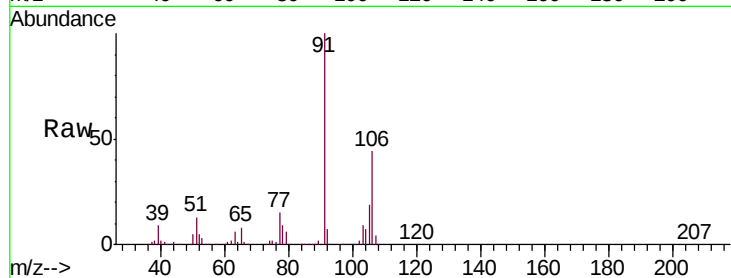
GAJ86DL

Tgt Ion:106 Resp: 235530

Ion Ratio Lower Upper

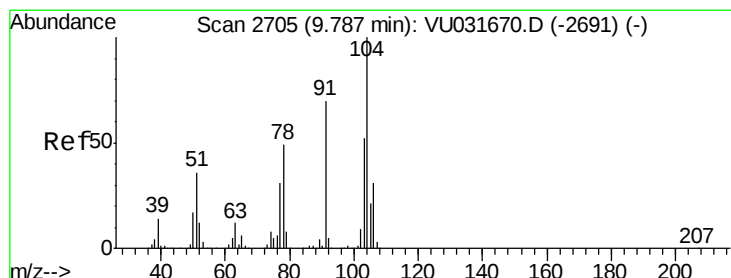
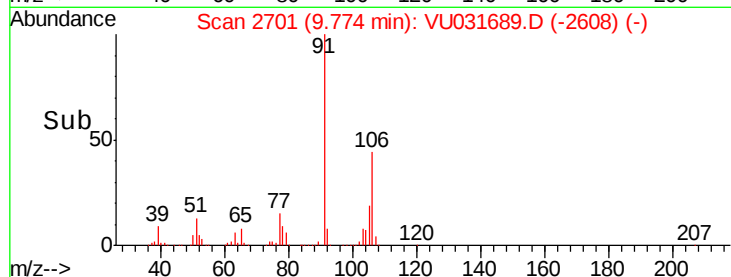
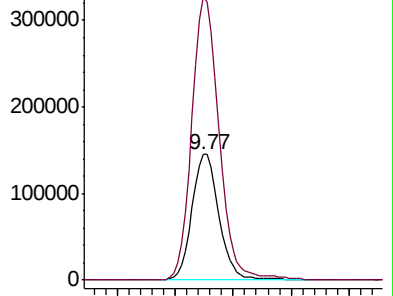
106 100

91 225.5 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 5.546 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031689.D

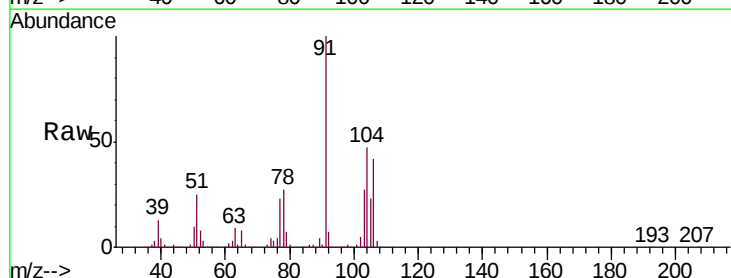
Acq: 01 May 2019 17:02

Tgt Ion:104 Resp: 113742

Ion Ratio Lower Upper

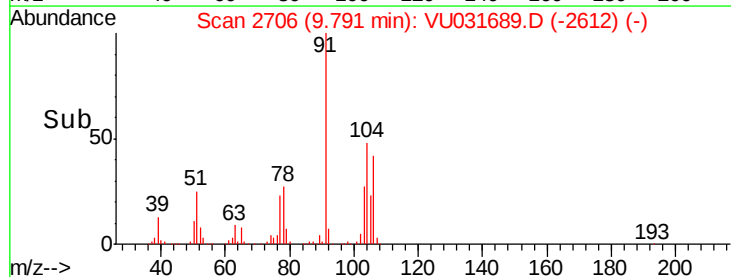
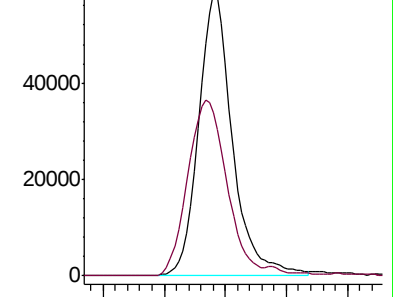
104 100

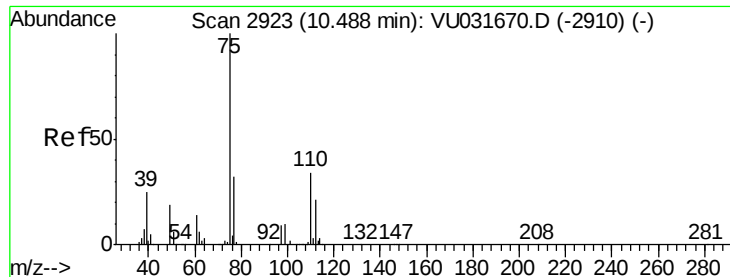
78 57.7 35.4 65.7



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: 5.405 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031689.D

Acq: 01 May 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

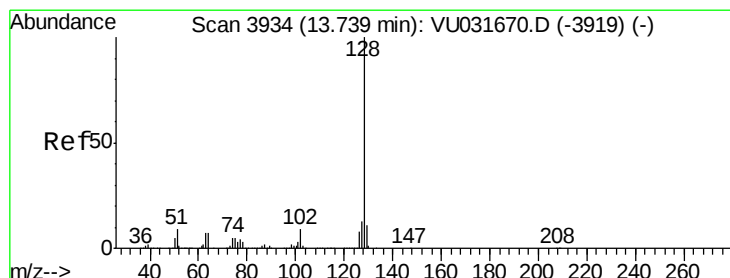
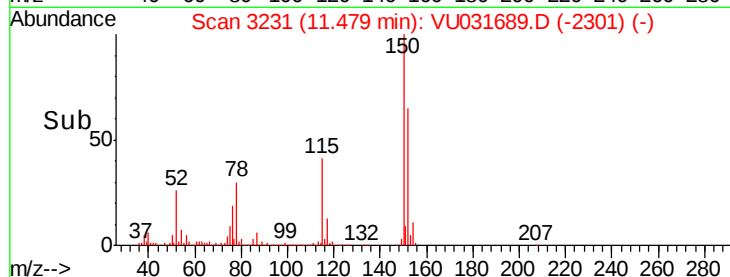
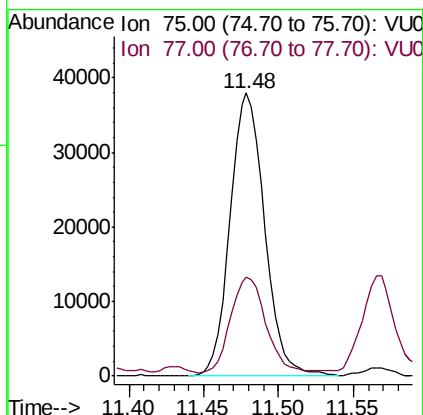
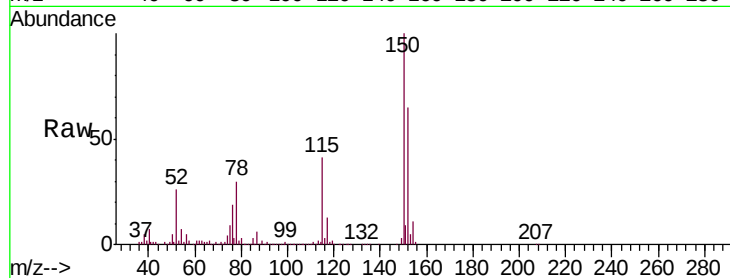
GAJ86DL

Tgt Ion: 75 Resp: 61191

Ion Ratio Lower Upper

75 100

77 34.0 25.9 38.9



#69

Naphthalene

Concen: 174.384 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU031689.D

Acq: 01 May 2019 17:02

Tgt Ion: 128 Resp: 5065713

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 10.9 8.7 13.1

