

Data File : VU031695.D
Acq On : 01 May 2019 19:22
Operator : JC/SP
Sample : K2603-16
Misc : 5.10g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAJ68

Quant Time: May 02 02:29:21 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	1051097	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	988182	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	463996	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	240259	27.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	54.62%#
7) Chloroethane-d5	1.68	69	181746	26.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	53.48%#
11) 1,1-Dichloroethene-d2	2.24	63	389721	22.25	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	44.50%#
21) 2-Butanone-d5	4.21	46	565291	70.92	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	70.92%
24) Chloroform-d	4.64	84	560117	34.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.54%#
26) 1,2-Dichloroethane-d4	5.31	65	386333	36.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.40%
32) Benzene-d6	5.33	84	1143283	37.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.36%
36) 1,2-Dichloropropane-d6	6.33	67	422644	39.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.18%
41) Toluene-d8	7.56	98	1021789	38.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.32%#
43) trans-1,3-Dichloropropene-	7.86	79	191185	41.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.44%
47) 2-Hexanone-d5	8.35	63	525276	113.68	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.68%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	588240	41.06	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	409857	42.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.00%

Target Compounds

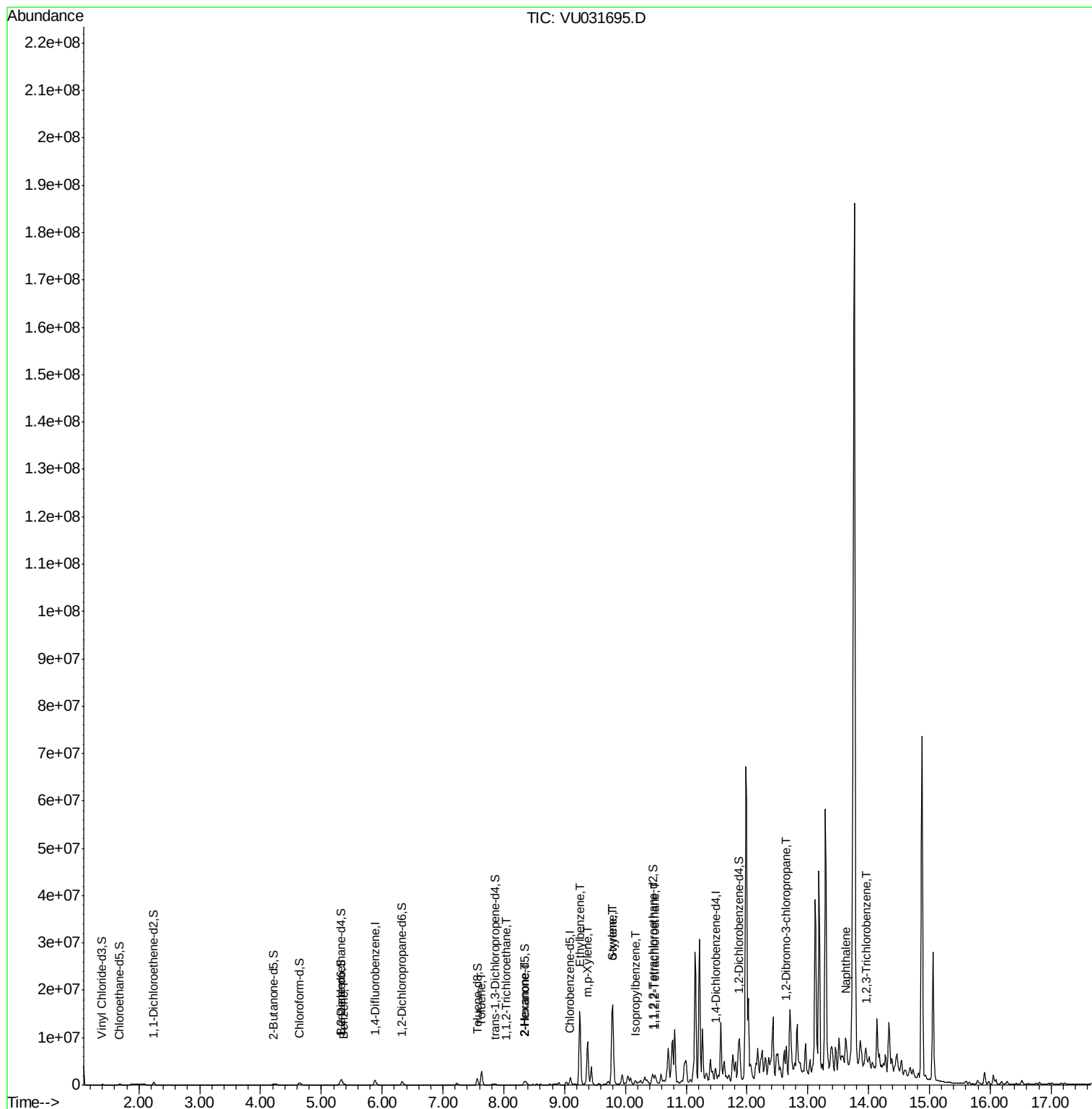
						Qvalue
33) Benzene	5.38	78	245855	6.767	ug/L	100
42) Toluene	7.63	91	2493522	68.899	ug/L	98
45) 1,1,2-Trichloroethane	8.04	97	6923	0.814	ug/L #	25
48) 2-Hexanone	8.33	43	109548	8.535	ug/L #	45
52) Ethylbenzene	9.25	91	12593975	335.471	ug/L	99
53) m,p-Xylene	9.38	106	2728655	208.615	ug/L	97
54) o-xylene	9.78	106	3488895	269.052	ug/L	95
55) Styrene	9.80	104	4615101	208.315	ug/L	99
56) Isopropylbenzene	10.17	105	324765	9.524	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.49	83	180295	11.949	ug/L #	33
66) 1,2-Dibromo-3-chloropropan	12.65	75	16536	4.365	ug/L #	20
69) Naphthalene	13.62	128	402615	12.966	ug/L #	1
70) 1,2,3-Trichlorobenzene	13.95	180	19651	1.895	ug/L #	1

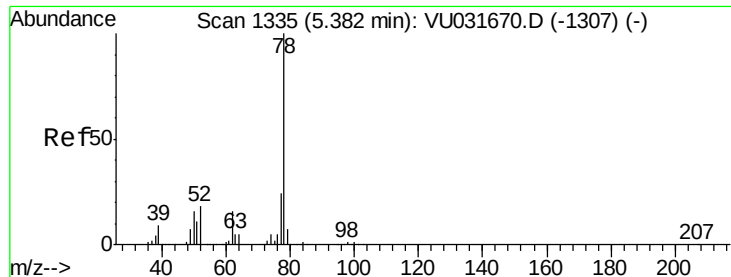
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#33

Benzene

Concen: 6.767 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU031695.D

Acq: 01 May 2019 19:22

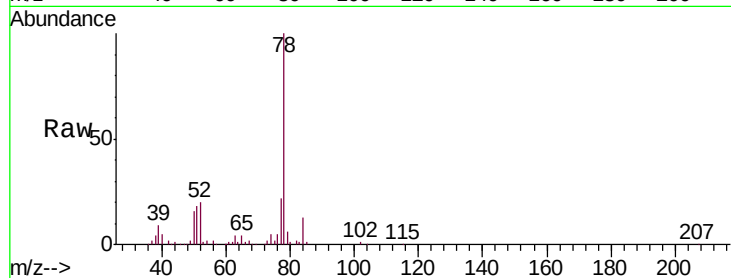
Instrument :

MSVOA_U

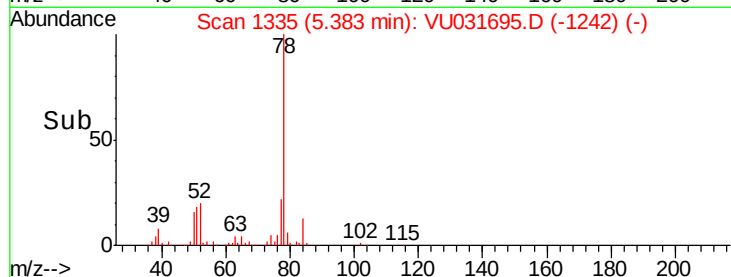
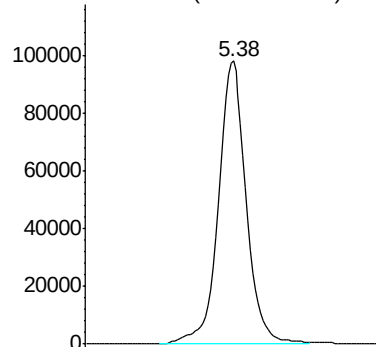
ClientSampleId :

GAJ68

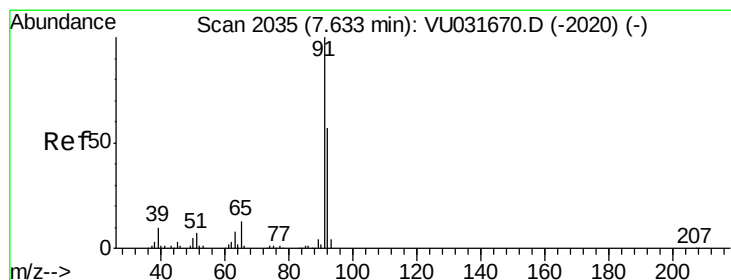
Tgt Ion: 78 Resp: 245855



Abundance Ion 78.00 (77.70 to 78.70): VU0



Time-->



#42

Toluene

Concen: 68.899 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031695.D

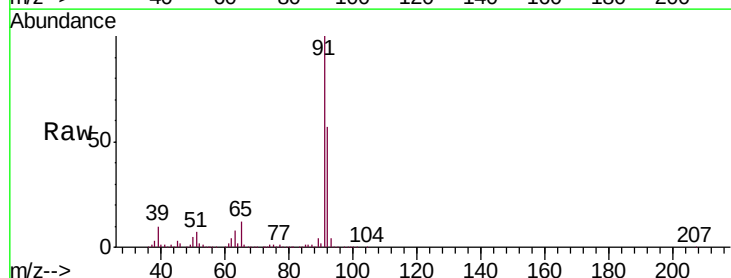
Acq: 01 May 2019 19:22

Tgt Ion: 91 Resp: 2493522

Ion Ratio Lower Upper

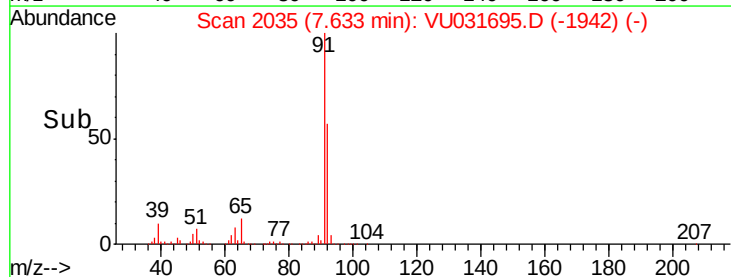
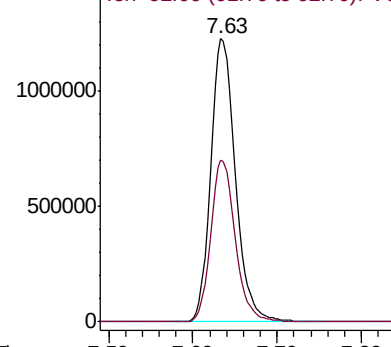
91 100

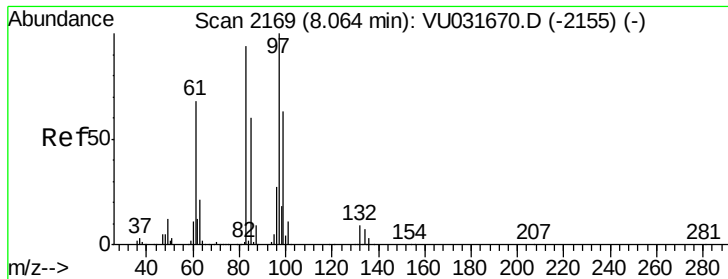
92 57.4 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#45

1,1,2-Trichloroethane

Concen: 0.814 ug/L

RT: 8.04 min Scan# 2160

Delta R.T. -0.03 min

Lab File: VU031695.D

Acq: 01 May 2019 19:22

Instrument :

MSVOA_U

ClientSampled :

GAJ68

Tgt Ion: 97 Resp: 6923

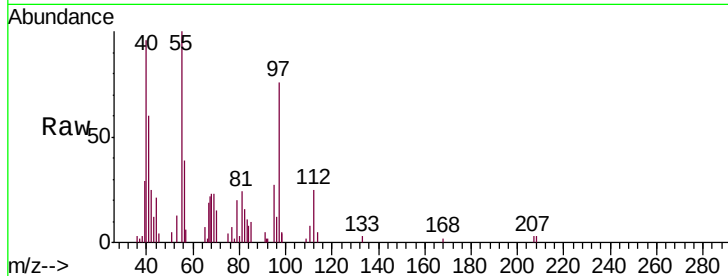
Ion Ratio Lower Upper

97 100

99 0.0 43.0 80.0#

83 13.9 63.6 118.2#

85 12.8 40.5 75.3#



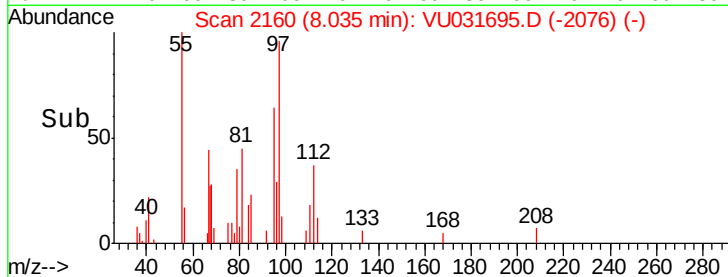
Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Time-->



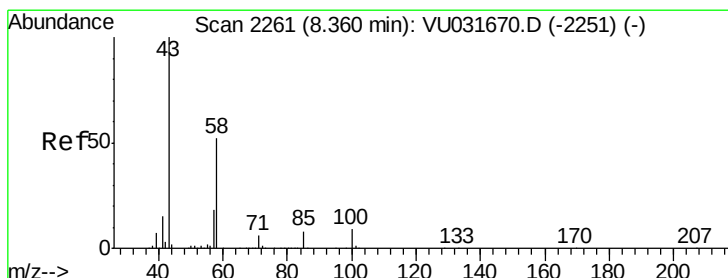
Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Time-->



#48

2-Hexanone

Concen: 8.535 ug/L

RT: 8.33 min Scan# 2251

Delta R.T. -0.03 min

Lab File: VU031695.D

Acq: 01 May 2019 19:22

Tgt Ion: 43 Resp: 109548

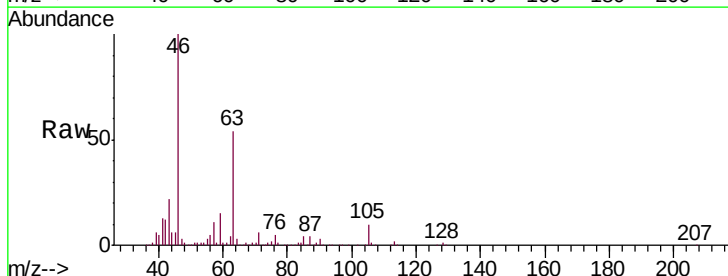
Ion Ratio Lower Upper

43 100

58 7.5 42.1 63.1#

57 38.9 14.6 22.0#

100 0.0 7.2 10.8#



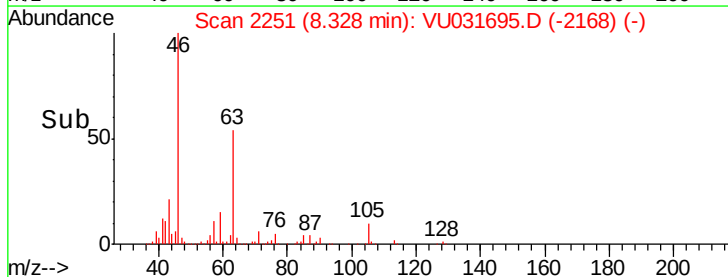
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

Time-->



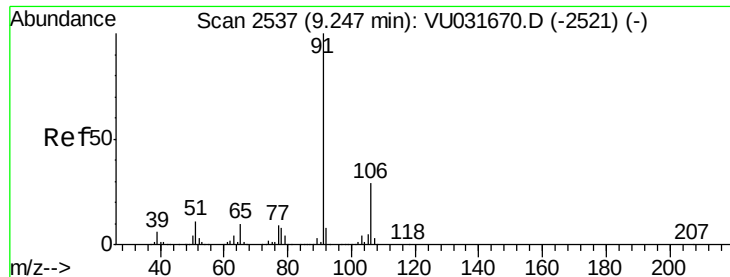
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

Time-->



#52

Ethylbenzene

Concen: 335.471 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031695.D

Acq: 01 May 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

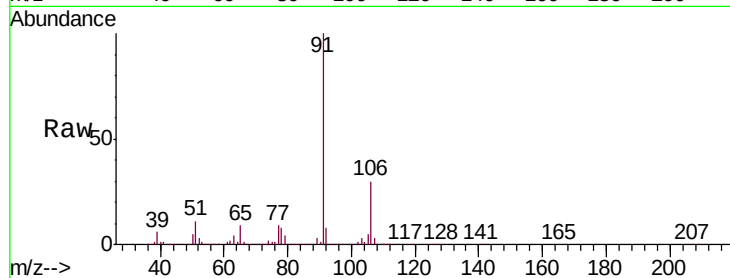
GAJ68

Tgt Ion: 91 Resp:12593975

Ion Ratio Lower Upper

91 100

106 29.7 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU031670.D (-2521) (-)

Ion 106.00 (105.70 to 106.70): VU031670.D (-2521) (-)

8000000

6000000

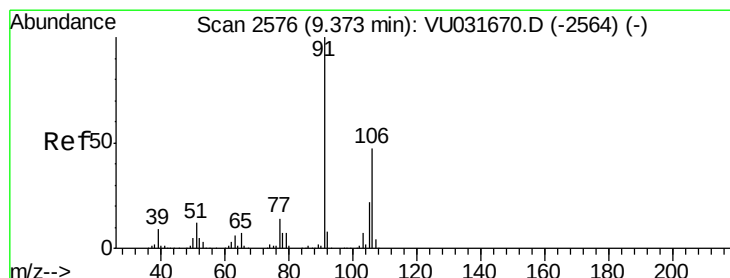
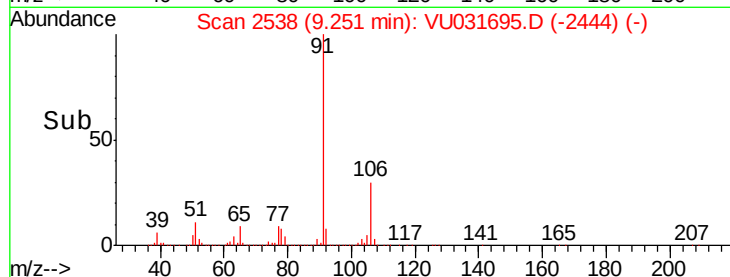
4000000

2000000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 208.615 ug/L

RT: 9.38 min Scan# 2578

Delta R.T. 0.01 min

Lab File: VU031695.D

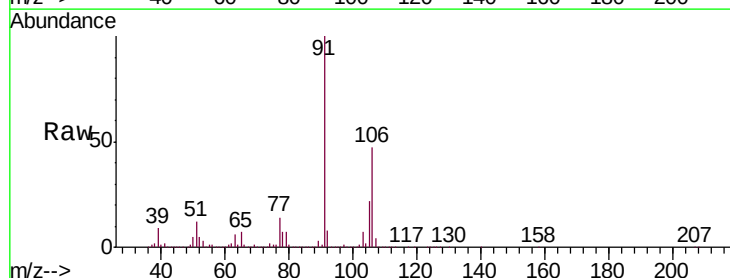
Acq: 01 May 2019 19:22

Tgt Ion:106 Resp: 2728655

Ion Ratio Lower Upper

106 100

91 213.3 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): VU031670.D (-2564) (-)

Ion 91.00 (90.70 to 91.70): VU031670.D (-2564) (-)

6000000

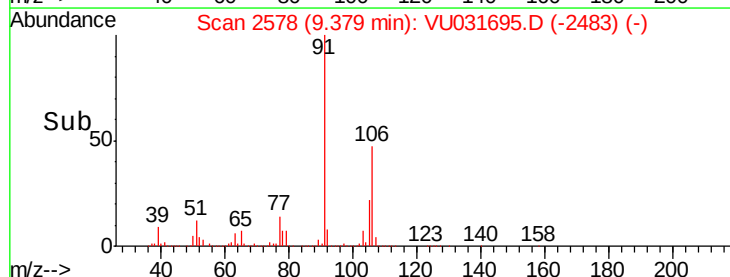
4000000

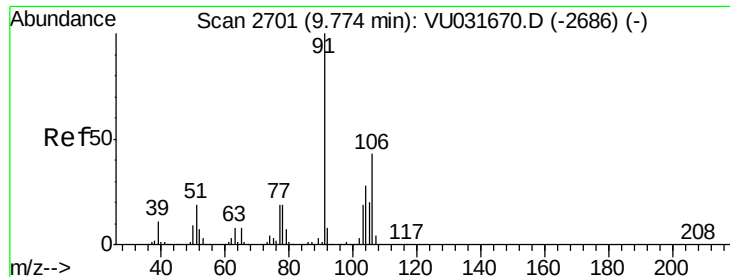
2000000

0

9.30 9.40 9.50

Time-->





#54

o-xylene

Concen: 269.052 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU031695.D

Acq: 01 May 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

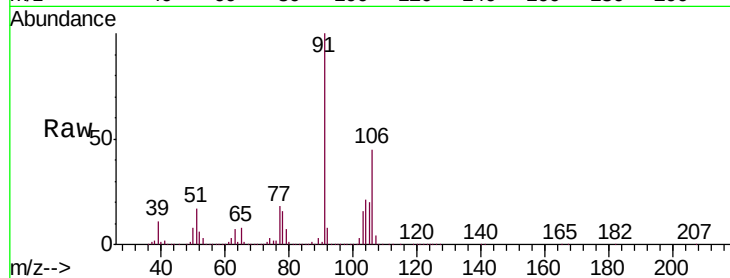
GAJ68

Tgt Ion:106 Resp: 3488895

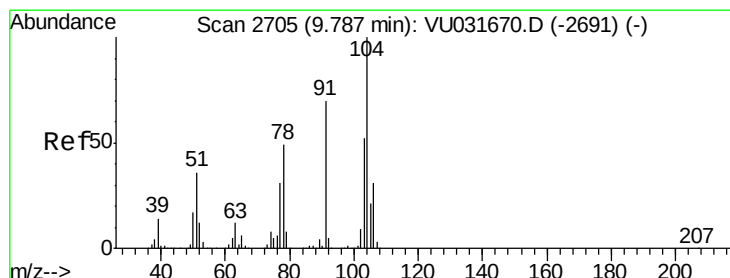
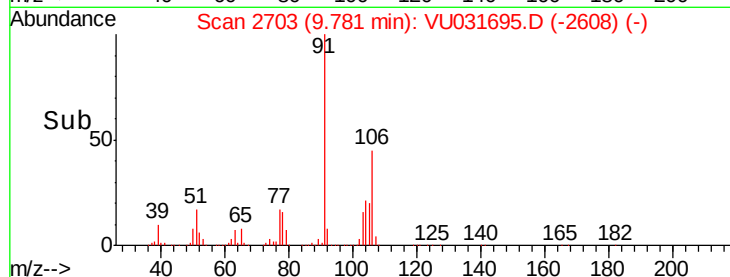
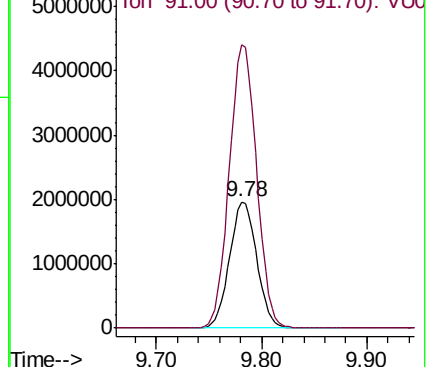
Ion Ratio Lower Upper

106 100

91 224.6 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 208.315 ug/L

RT: 9.80 min Scan# 2708

Delta R.T. 0.01 min

Lab File: VU031695.D

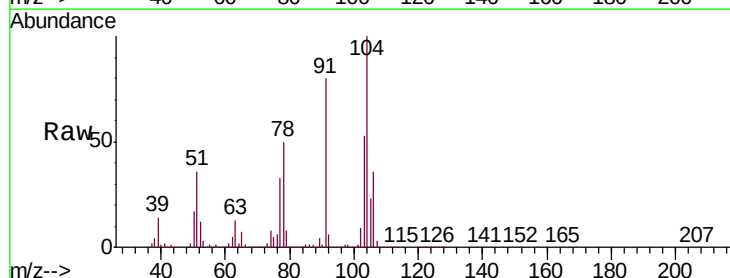
Acq: 01 May 2019 19:22

Tgt Ion:104 Resp: 4615101

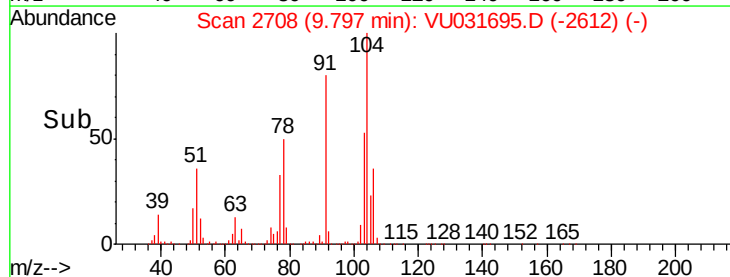
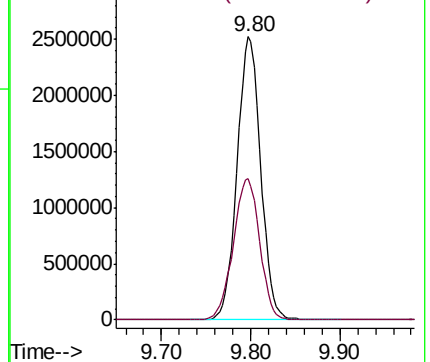
Ion Ratio Lower Upper

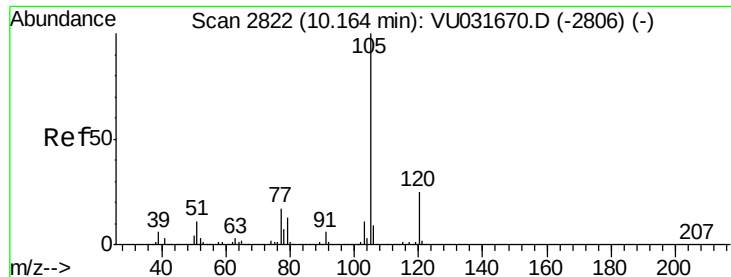
104 100

78 49.8 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 9.524 ug/L

RT: 10.17 min Scan# 2824

Delta R.T. 0.01 min

Lab File: VU031695.D

Acq: 01 May 2019 19:22

Instrument :

MSVOA_U

ClientSampleId :

GAJ68

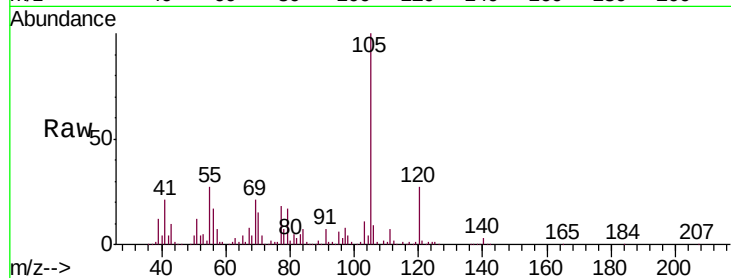
Tgt Ion: 105 Resp: 324765

Ion Ratio Lower Upper

105 100

120 26.2 20.1 30.1

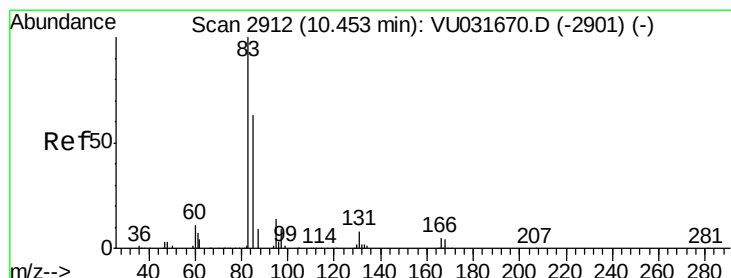
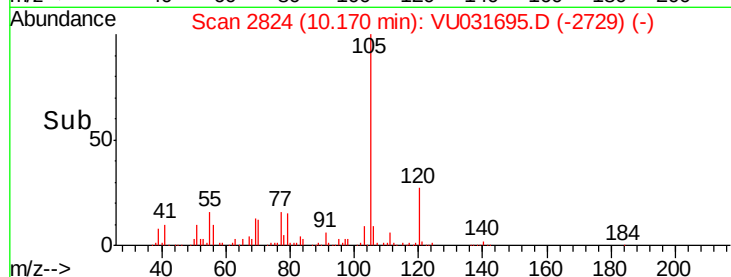
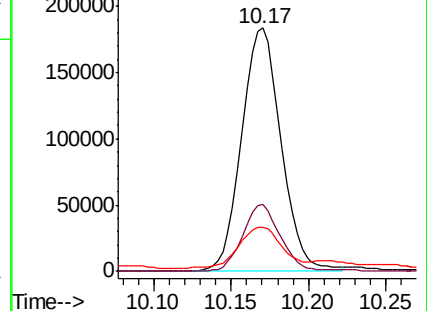
77 18.9 13.8 20.6



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 11.949 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.04 min

Lab File: VU031695.D

Acq: 01 May 2019 19:22

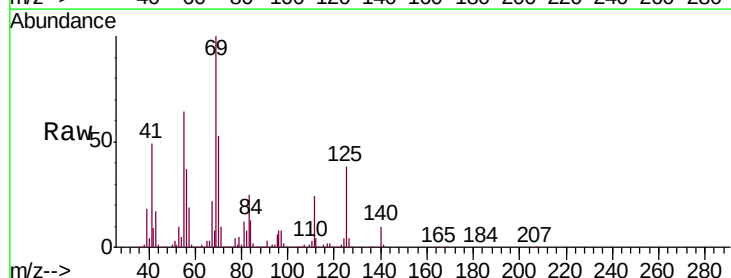
Tgt Ion: 83 Resp: 180295

Ion Ratio Lower Upper

83 100

85 7.5 46.0 85.4#

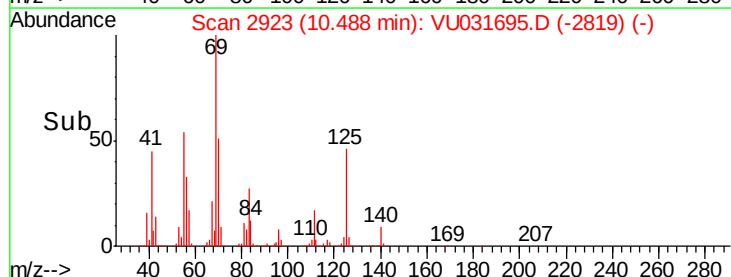
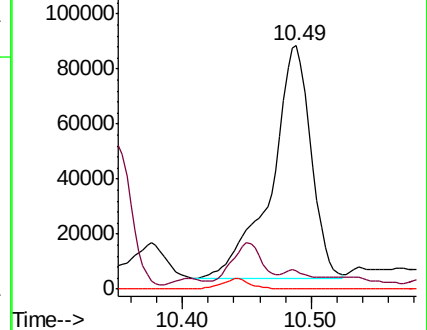
131 0.1 7.3 10.9#

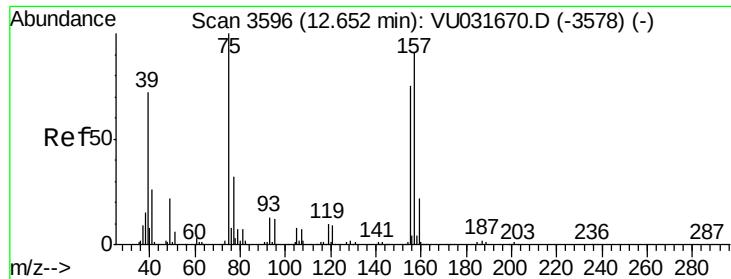


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

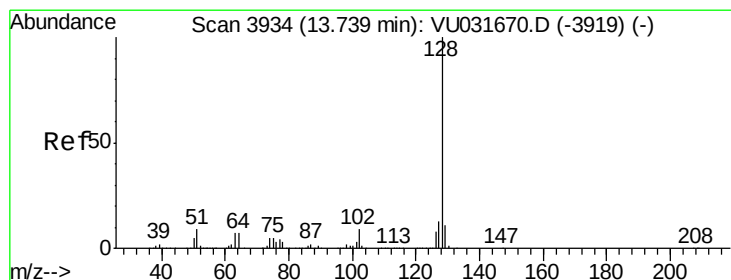
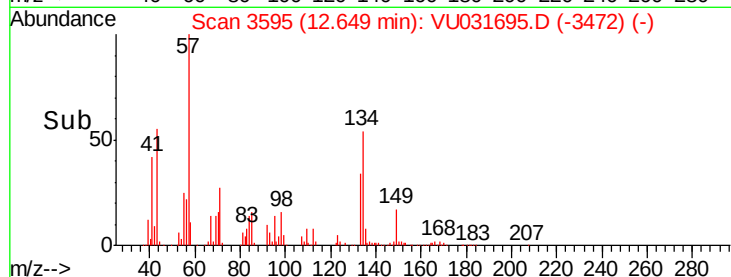
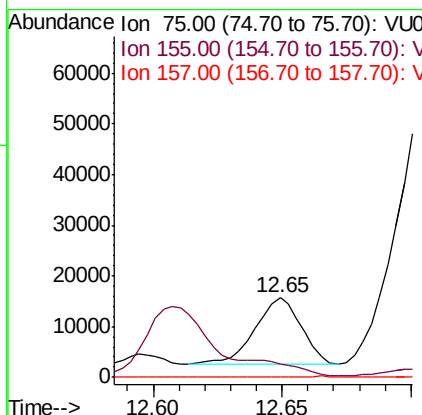
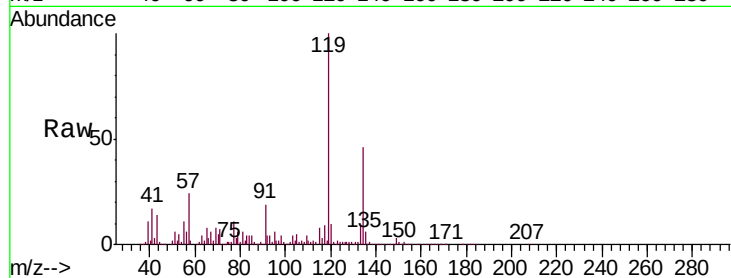




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.365 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU031695.D
 Acq: 01 May 2019 19:22

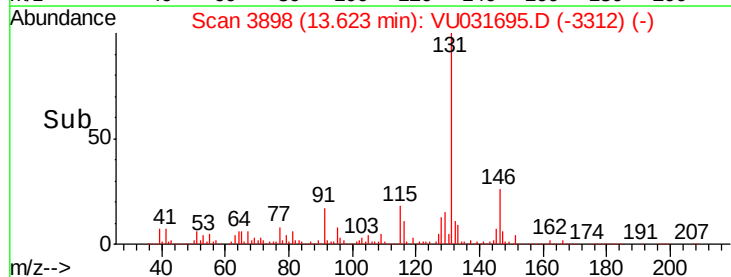
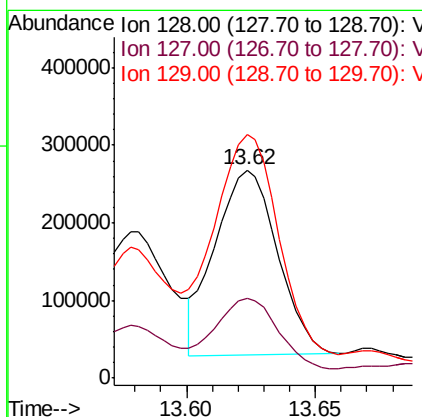
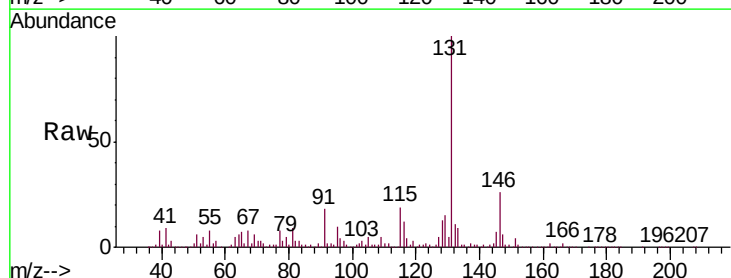
Instrument :
 MSVOA_U
 ClientSampled :
 GAJ68

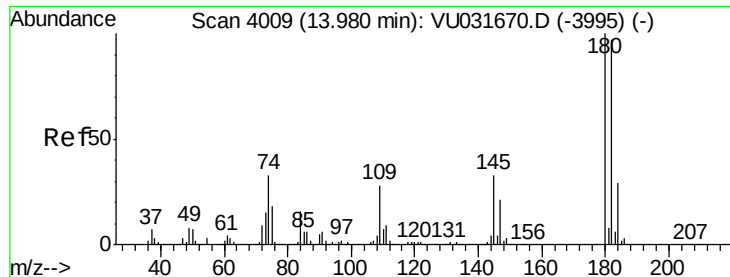
Tgt Ion: 75 Resp: 16536
 Ion Ratio Lower Upper
 75 100
 155 17.0 54.0 81.0#
 157 0.0 69.1 103.7#



#69
 Naphthalene
 Concen: 12.966 ug/L
 RT: 13.62 min Scan# 3898
 Delta R.T. -0.12 min
 Lab File: VU031695.D
 Acq: 01 May 2019 19:22

Tgt Ion: 128 Resp: 402615
 Ion Ratio Lower Upper
 128 100
 127 38.0 10.6 15.8#
 129 120.0 8.7 13.1#

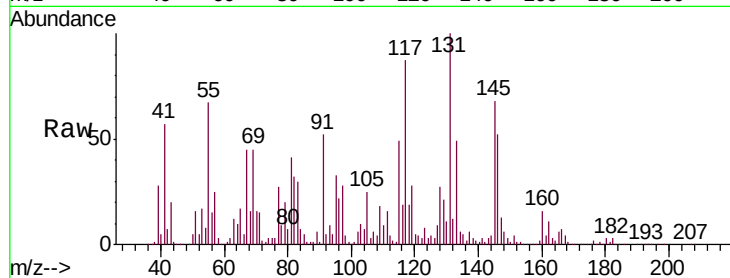




#70
 1,2,3-Trichlorobenzene
 Concen: 1.895 ug/L
 RT: 13.95 min Scan# 3999
 Delta R.T. -0.03 min
 Lab File: VU031695.D
 Acq: 01 May 2019 19:22

Instrument :
 MSVOA_U
 ClientSampleId :
 GAJ68

Tgt Ion:180 Resp: 19651
 Ion Ratio Lower Upper
 180 100
 182 51.9 76.1 114.1#
 145 3456.0 26.0 39.0#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

