

Data File : VU031693.D
Acq On : 01 May 2019 18:35
Operator : JC/SP
Sample : K2603-15 10X
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAJ67

Quant Time: May 02 02:29:01 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	1005505	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	958626	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	453013	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	246510	29.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	58.58%#
7) Chloroethane-d5	1.68	69	210864	32.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	64.84%#
11) 1,1-Dichloroethene-d2	2.27	63	391981	23.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	46.78%#
21) 2-Butanone-d5	4.19	46	745117	97.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.72%
24) Chloroform-d	4.64	84	562267	36.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	72.96%
26) 1,2-Dichloroethane-d4	5.31	65	386389	38.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.74%
32) Benzene-d6	5.33	84	1139145	38.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.40%
36) 1,2-Dichloropropane-d6	6.32	67	421372	40.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.38%
41) Toluene-d8	7.56	98	976593	38.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.18%#
43) trans-1,3-Dichloropropene-	7.85	79	180165	40.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.06%
47) 2-Hexanone-d5	8.31	63	516486	115.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	598131	43.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.06%
64) 1,2-Dichlorobenzene-d4	11.85	152	395014	41.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.92%

Target Compounds

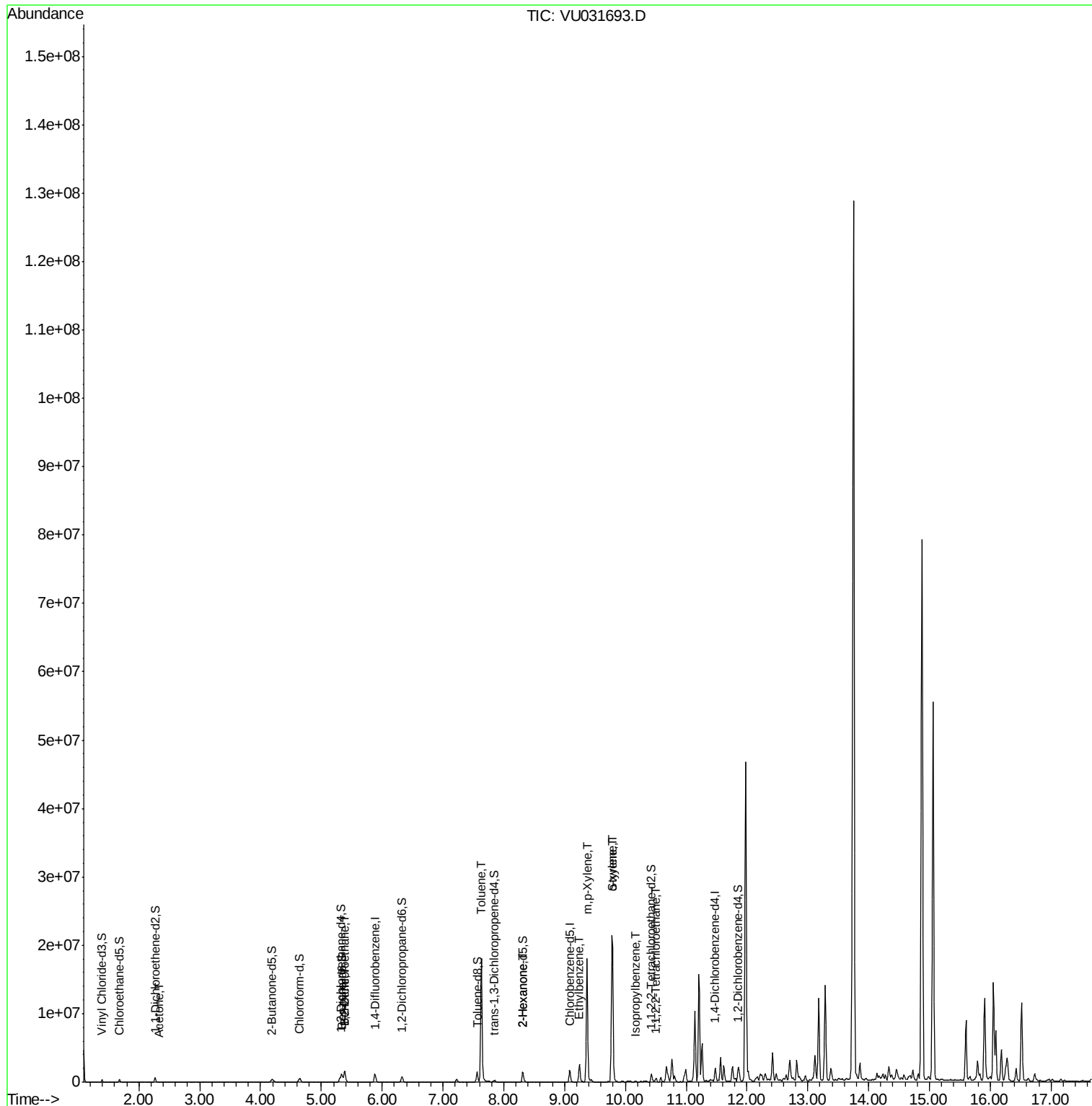
					Qvalue
13) Acetone	2.34	43	4449	0.518	ug/L 52
27) 1,2-Dichloroethane	5.38	62	14256	1.066	ug/L # 75
33) Benzene	5.38	78	1630238	46.255	ug/L 100
42) Toluene	7.63	91	13501997	384.580	ug/L 97
48) 2-Hexanone	8.31	43	69775	5.604	ug/L # 69
52) Ethylbenzene	9.24	91	1880518	51.637	ug/L 100
53) m,p-Xylene	9.37	106	4841375	381.552	ug/L 97
54) o-xylene	9.77	106	2157647	171.521	ug/L 95
55) Styrene	9.79	104	7922643	368.635	ug/L 97
56) Isopropylbenzene	10.16	105	61123	1.848	ug/L 99
58) 1,1,2,2-Tetrachloroethane	10.49	83	9593	0.655	ug/L # 34

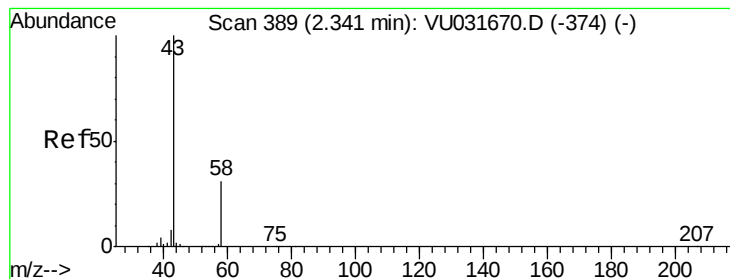
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 0.518 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU031693.D

Acq: 01 May 2019 18:35

Instrument :

MSVOA_U

ClientSampleId :

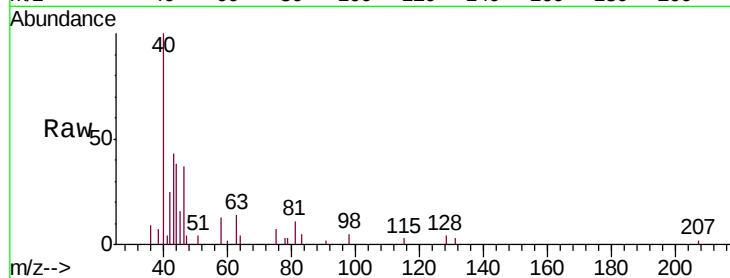
GAJ67

Tgt Ion: 43 Resp: 4449

Ion Ratio Lower Upper

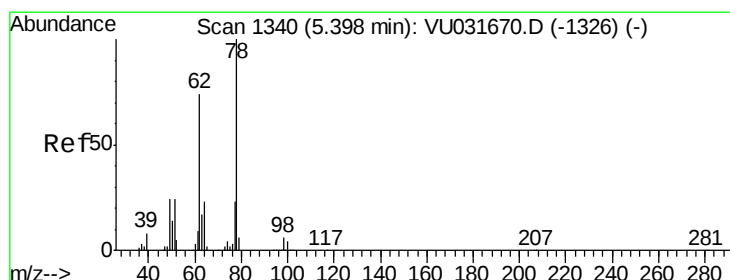
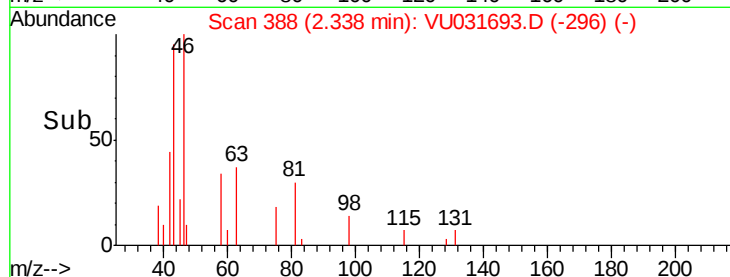
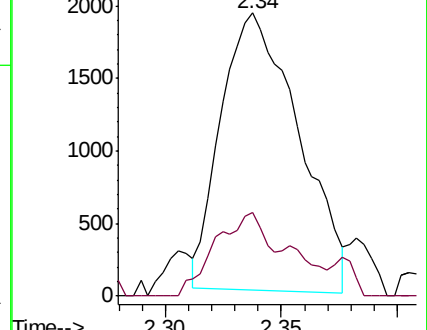
43 100

58 5.6 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031670.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU031670.D (-374) (-)



#27

1,2-Dichloroethane

Concen: 1.066 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VU031693.D

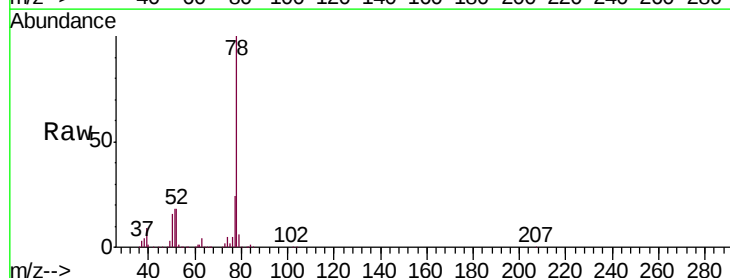
Acq: 01 May 2019 18:35

Tgt Ion: 62 Resp: 14256

Ion Ratio Lower Upper

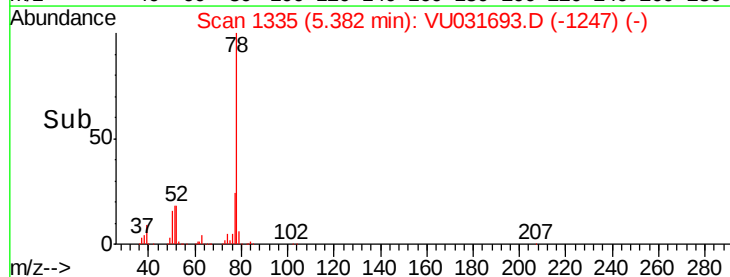
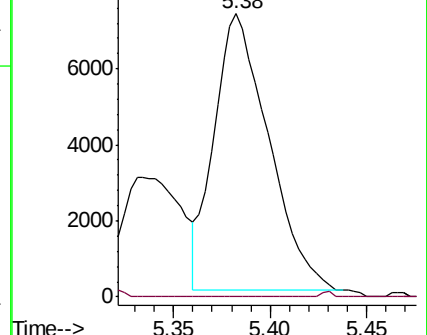
62 100

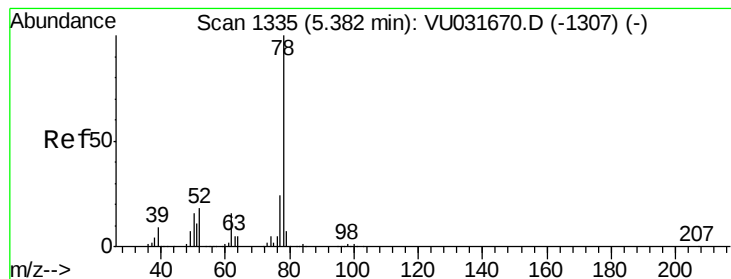
98 0.0 7.1 10.7#



Abundance Ion 62.00 (61.70 to 62.70): VU031670.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU031670.D (-1326) (-)





#33

Benzene

Concen: 46.255 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU031693.D

Acq: 01 May 2019 18:35

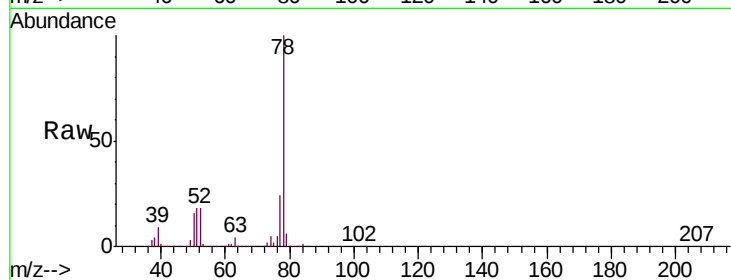
Instrument :

MSVOA_U

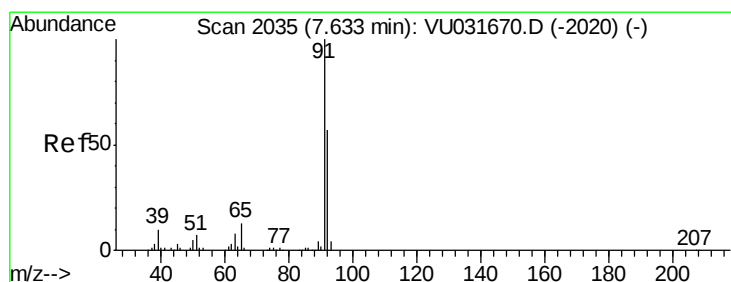
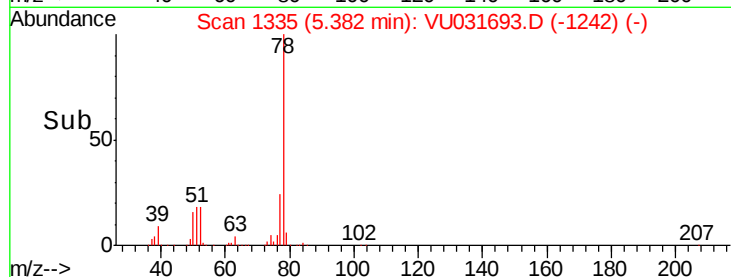
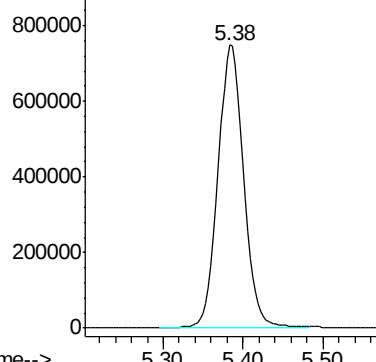
ClientSampleId :

GAJ67

Tgt Ion: 78 Resp: 1630238



Abundance Ion 78.00 (77.70 to 78.70): VU0



#42

Toluene

Concen: 384.580 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031693.D

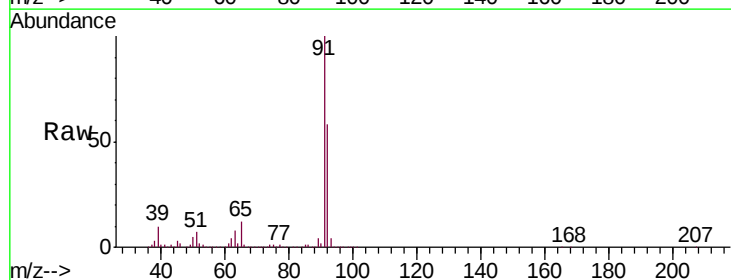
Acq: 01 May 2019 18:35

Tgt Ion: 91 Resp: 13501997

Ion Ratio Lower Upper

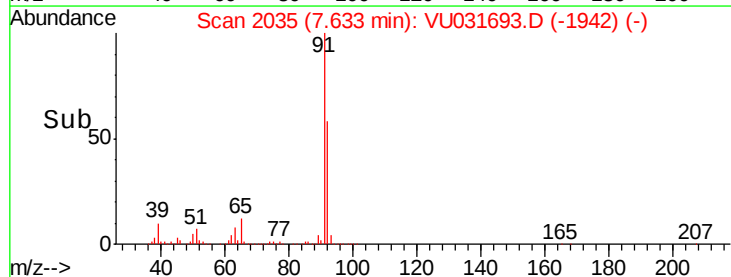
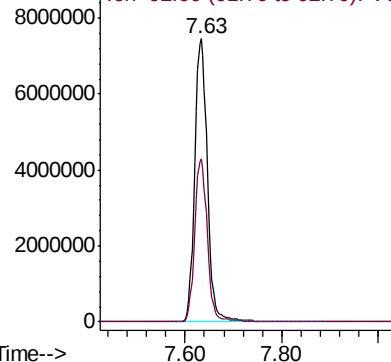
91 100

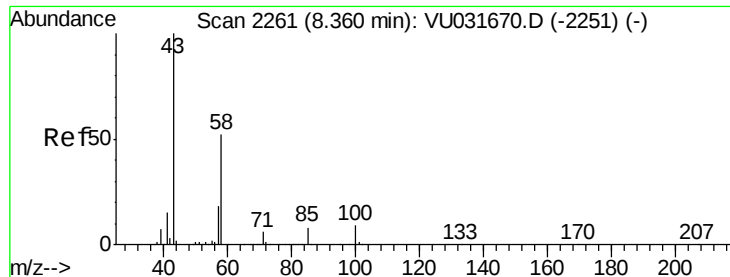
92 57.6 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

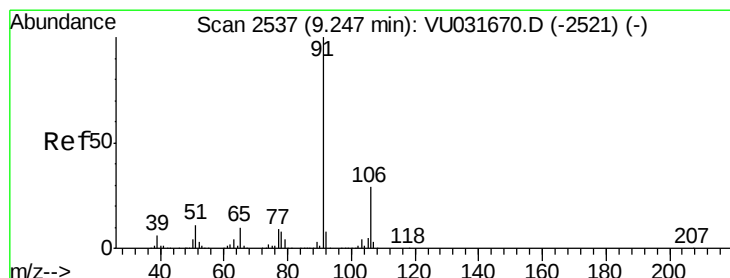
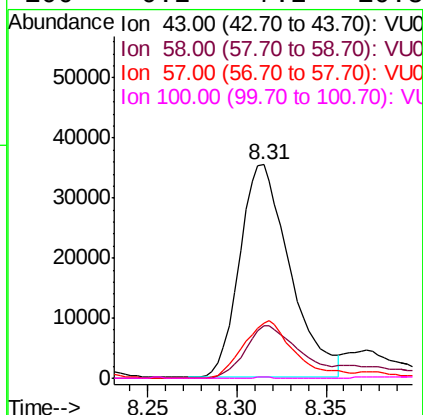
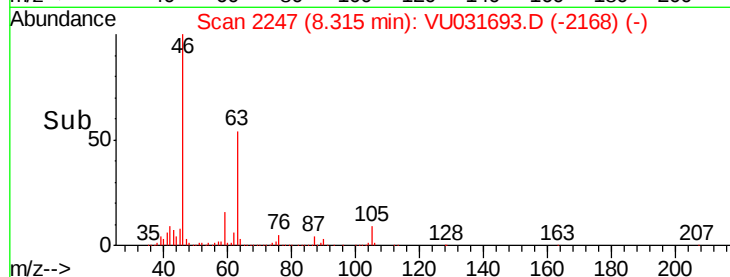
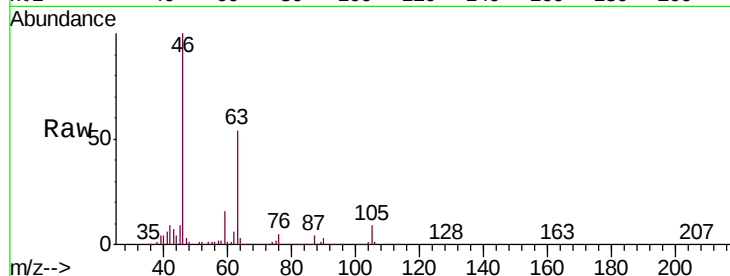




#48
2-Hexanone
Concen: 5.604 ug/L
RT: 8.31 min Scan# 2247
Delta R.T. -0.04 min
Lab File: VU031693.D
Acq: 01 May 2019 18:35

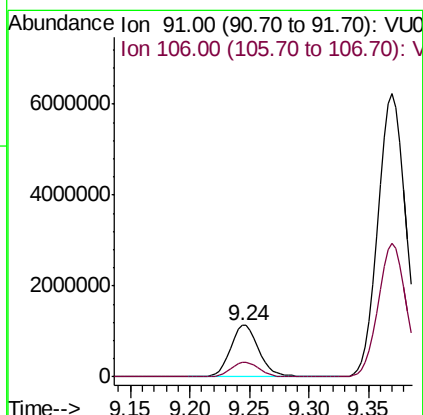
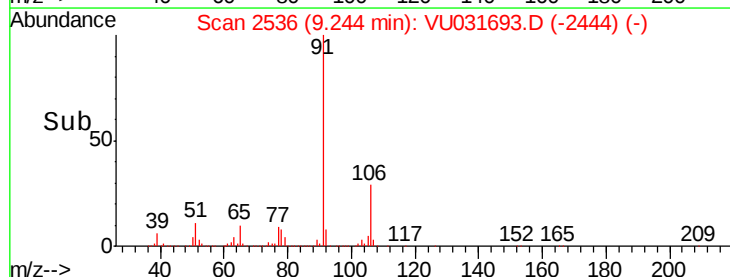
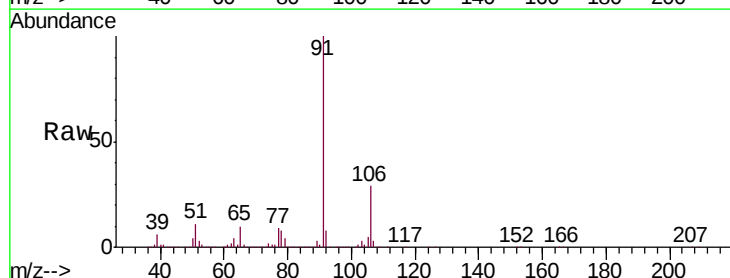
Instrument :
MSVOA_U
ClientSampled :
GAJ67

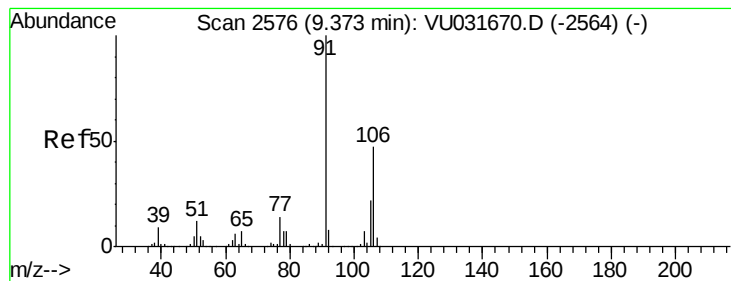
Tgt Ion: 43 Resp: 69775
Ion Ratio Lower Upper
43 100
58 26.2 42.1 63.1#
57 25.9 14.6 22.0#
100 0.2 7.2 10.8#



#52
Ethylbenzene
Concen: 51.637 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU031693.D
Acq: 01 May 2019 18:35

Tgt Ion: 91 Resp: 1880518
Ion Ratio Lower Upper
91 100
106 29.2 20.4 37.8





#53

m,p-Xylene

Concen: 381.552 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031693.D

Acq: 01 May 2019 18:35

Instrument :

MSVOA_U

ClientSampleId :

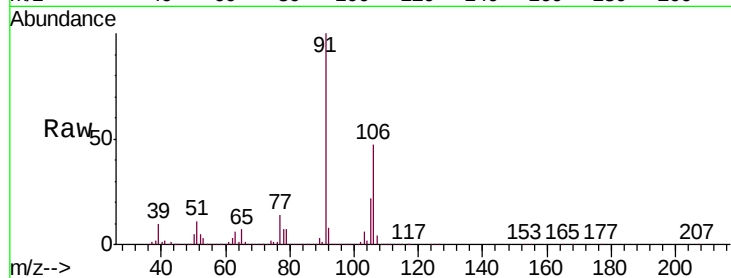
GAJ67

Tgt Ion:106 Resp: 4841375

Ion Ratio Lower Upper

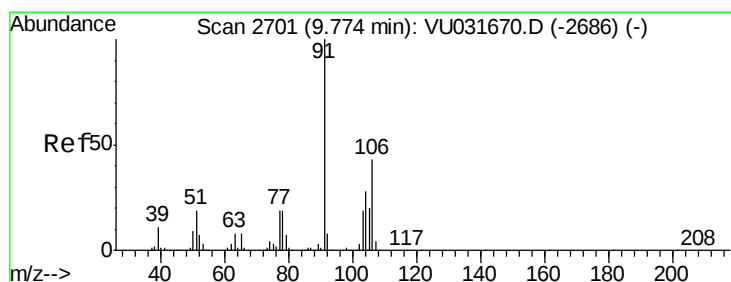
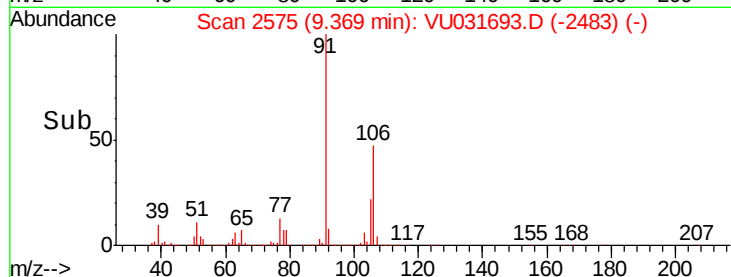
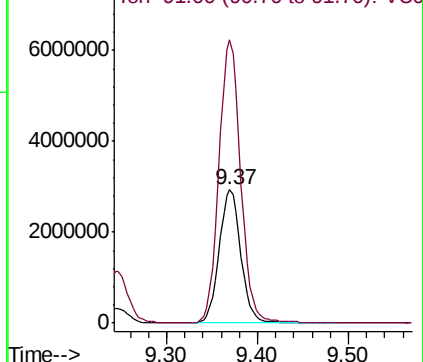
106 100

91 211.9 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 171.521 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031693.D

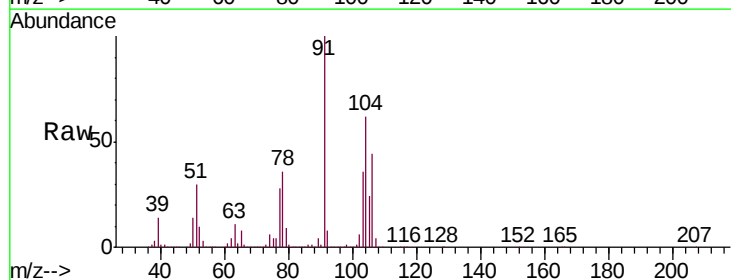
Acq: 01 May 2019 18:35

Tgt Ion:106 Resp: 2157647

Ion Ratio Lower Upper

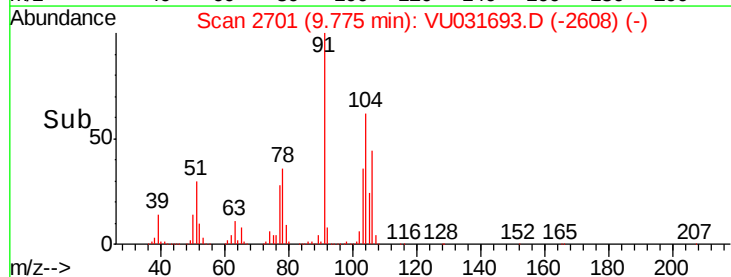
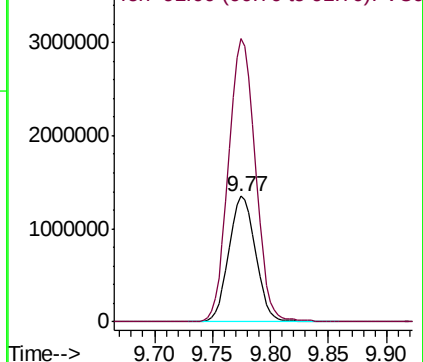
106 100

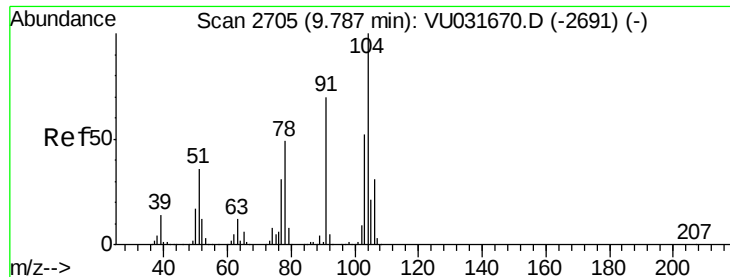
91 225.5 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

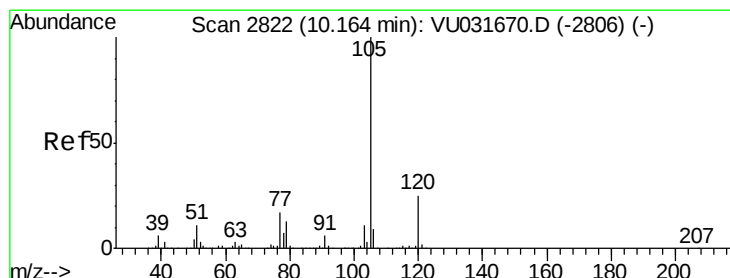
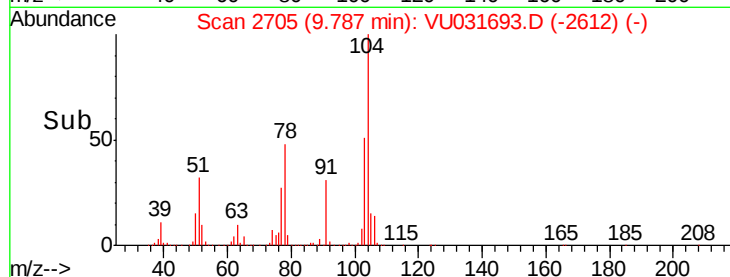
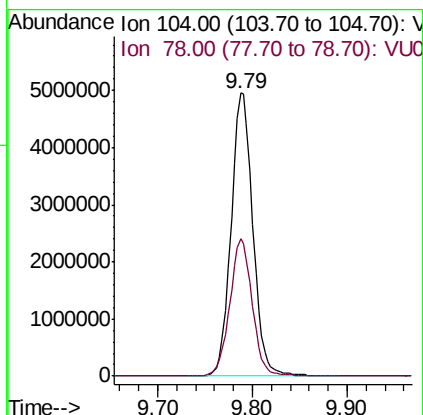
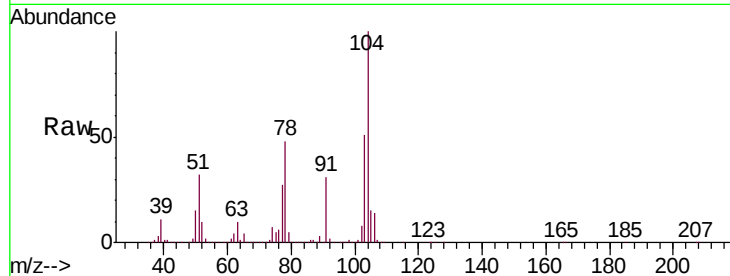




#55
Styrene
Concen: 368.635 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU031693.D
Acq: 01 May 2019 18:35

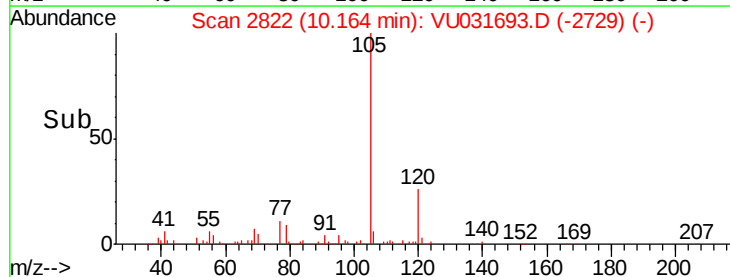
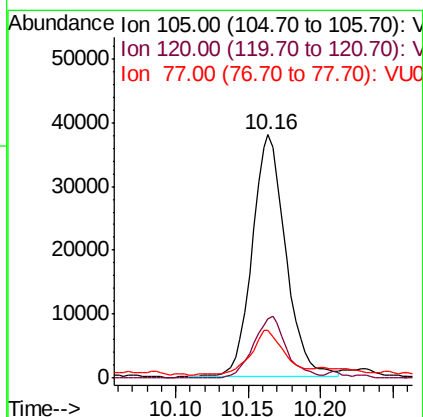
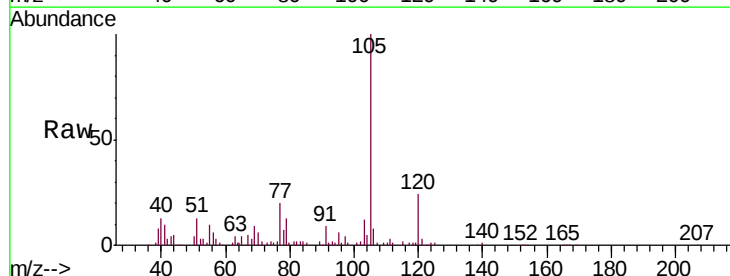
Instrument :
MSVOA_U
ClientSampled :
GAJ67

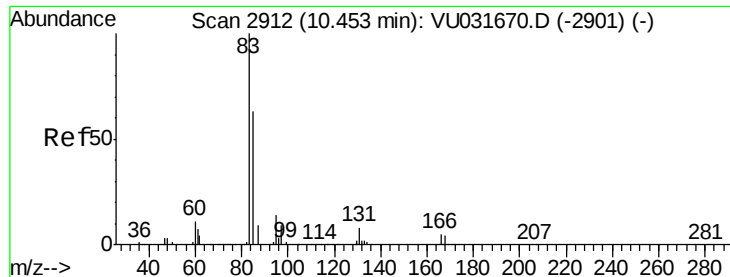
Tgt Ion:104 Resp: 7922643
Ion Ratio Lower Upper
104 100
78 48.4 35.4 65.7



#56
Isopropylbenzene
Concen: 1.848 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU031693.D
Acq: 01 May 2019 18:35

Tgt Ion:105 Resp: 61123
Ion Ratio Lower Upper
105 100
120 25.0 20.1 30.1
77 16.6 13.8 20.6





#58

1,1,2,2-Tetrachloroethane

Concen: 0.655 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.04 min

Lab File: VU031693.D

Acq: 01 May 2019 18:35

Instrument :

MSVOA_U

ClientSampleId :

GAJ67

Tgt Ion: 83 Resp: 9593

Ion Ratio Lower Upper

83 100

85 9.0 46.0 85.4#

131 0.0 7.3 10.9#

