

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010720.D
 Acq On : 08 May 2019 09:39
 Operator : SY/MD
 Sample : K2690-22MS
 Misc : 4.99G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5167MS

Quant Time: May 09 02:39:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 02:24:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	110220	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	107663	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41755	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	29894	17.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.84%
7) Chloroethane-d5	1.56	69	29016	20.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.36%
10) 1,1-Dichloroethene-d2	2.12	63	72805	19.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.40%
20) 2-Butanone-d5	3.92	46	27964	54.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.86%
24) Chloroform-d	4.39	84	72750	24.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	5.07	65	48308	25.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.96%
29) Benzene-d6	5.09	84	135551	23.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.68%
33) 1,2-Dichloropropane-d6	6.11	67	45888	25.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.64%
37) Toluene-d8	7.36	98	117291	21.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.44%
38) trans-1,3-Dichloropropene-	7.66	79	16896	20.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.12%
39) 2-Hexanone-d5	8.13	63	21311	56.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.80%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	44867	26.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	39827	24.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.52%

Target Compounds

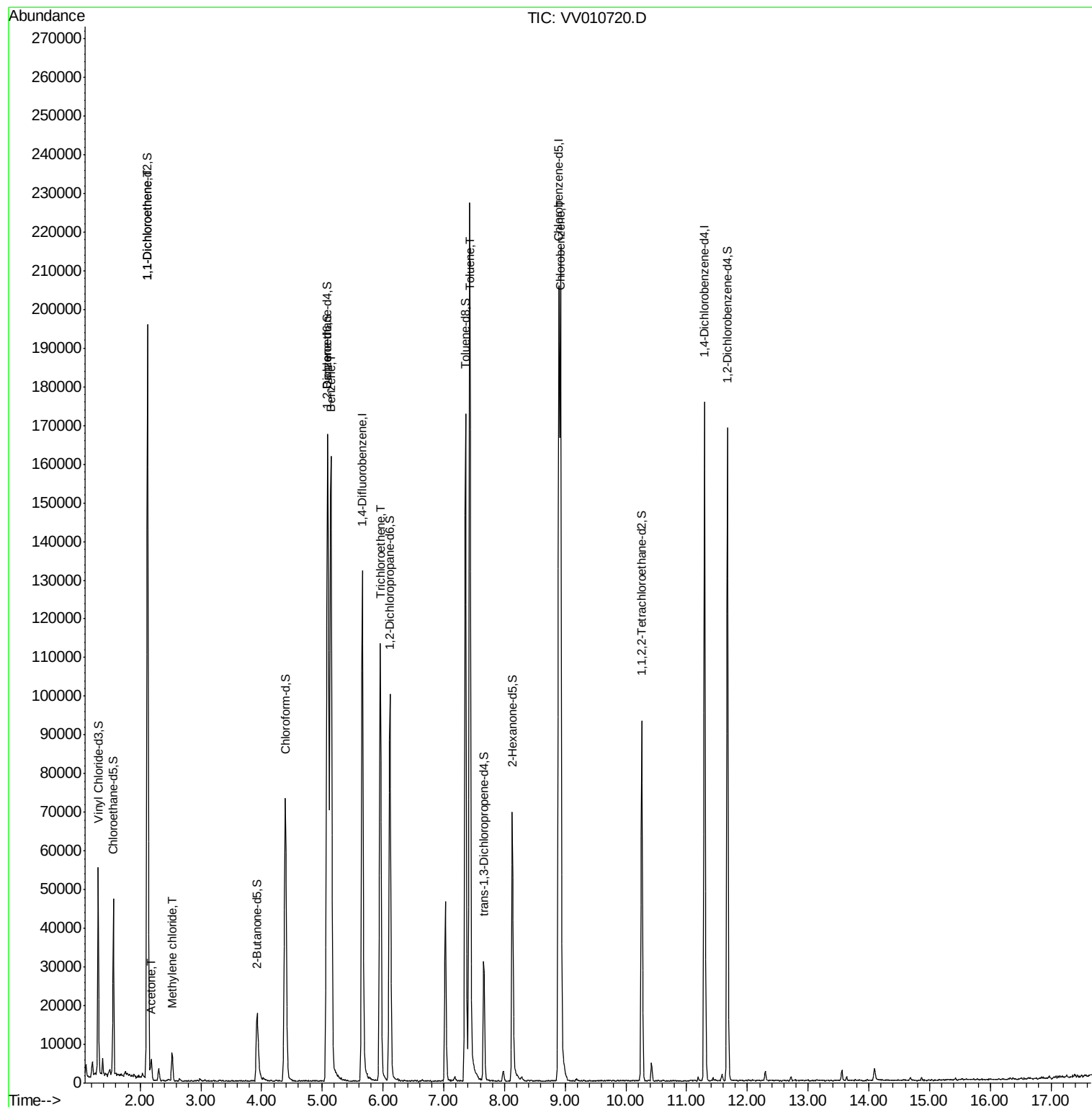
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	39540	22.787	ug/L	94
13) Acetone	2.18	43	5106	6.419	ug/L	93
16) Methylene chloride	2.52	84	3232	1.896	ug/L	84
34) Benzene	5.14	78	155704	24.636	ug/L	100
35) Trichloroethene	5.96	95	39602	22.369	ug/L	98
44) Toluene	7.43	91	162457	22.632	ug/L	98
52) Chlorobenzene	8.92	112	104720	22.330	ug/L	99

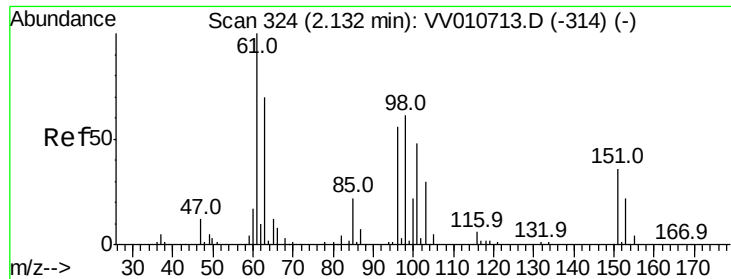
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 09 02:24:26 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 22.787 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV010720.D

Acq: 08 May 2019 09:39

Instrument :

MSVOA_V

ClientSampled :

A5167MS

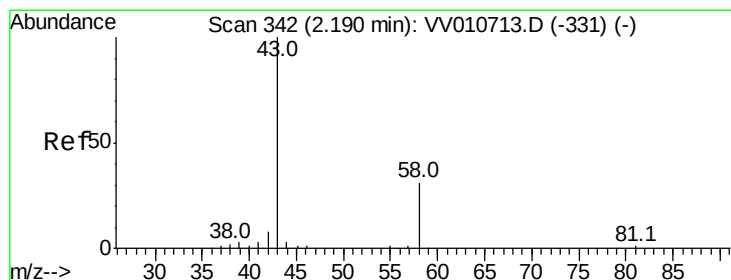
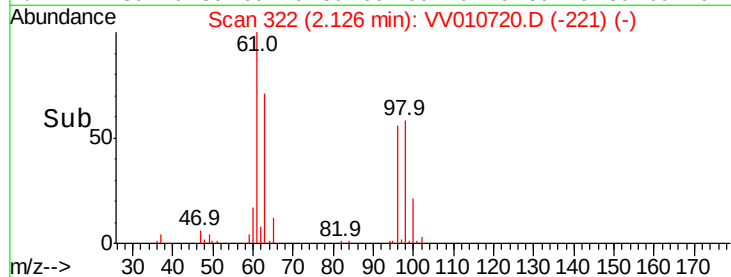
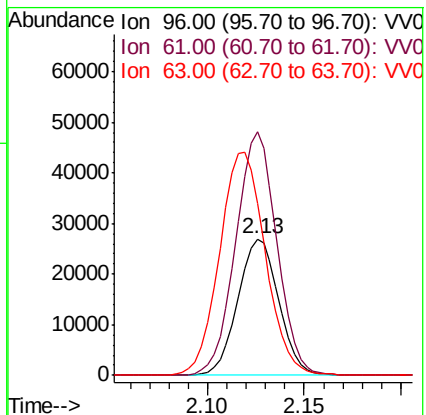
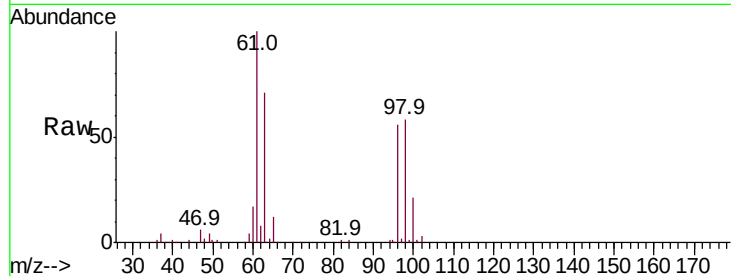
Tot Ion: 96 Resp: 39540

Ion Ratio Lower Upper

96 100

61 178.8 120.3 223.3

63 126.4 82.9 153.9



#13

Acetone

Concen: 6.419 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV010720.D

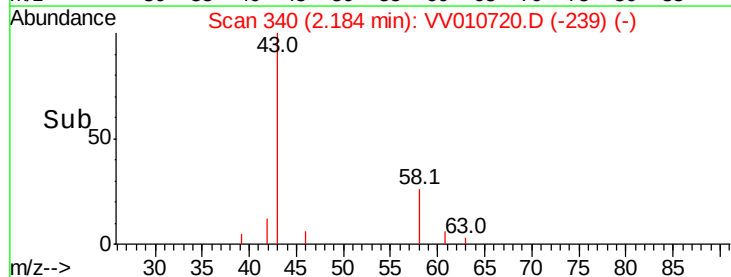
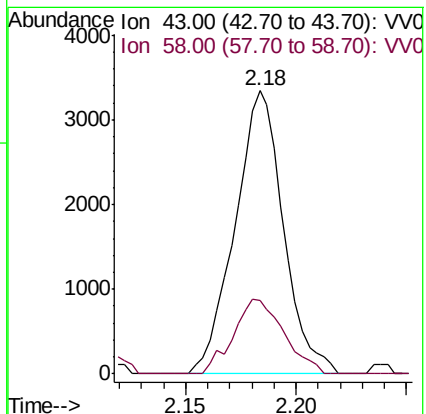
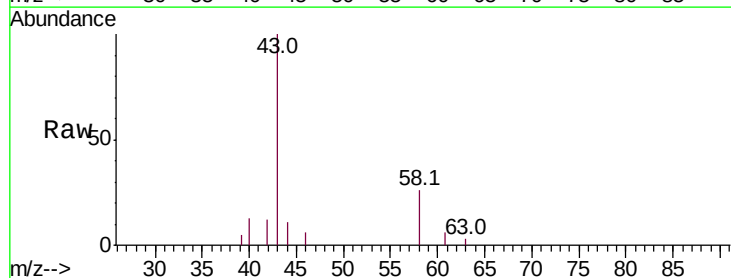
Acq: 08 May 2019 09:39

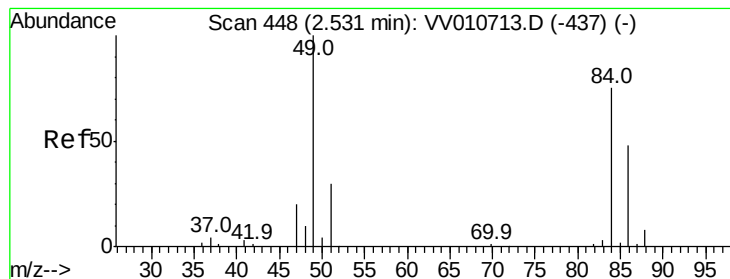
Tgt Ion: 43 Resp: 5106

Ion Ratio Lower Upper

43 100

58 27.6 0.0 63.4





#16

Methvlene chloride

Concen: 1.896 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.01 min

Lab File: VV010720.D

Acq: 08 May 2019 09:39

Instrument :

MSVOA_V

ClientSampleId :

A5167MS

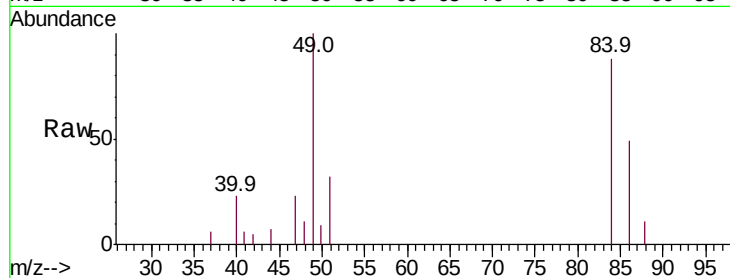
Tot Ion: 84 Resp: 3232

Ion Ratio Lower Upper

84 100

49 113.3 92.9 172.5

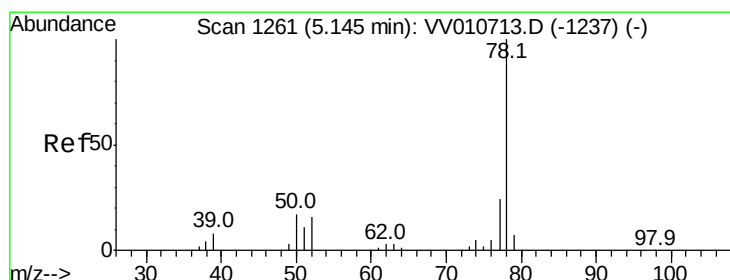
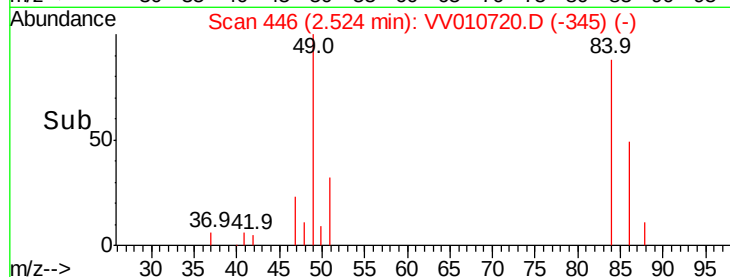
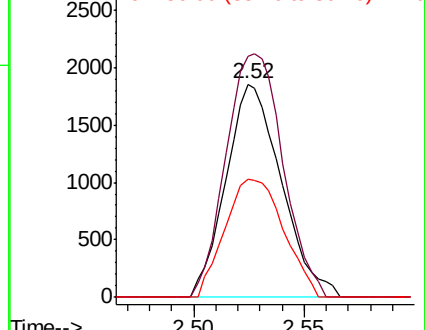
86 55.2 46.5 86.5



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0



#34

Benzene

Concen: 24.636 ug/L

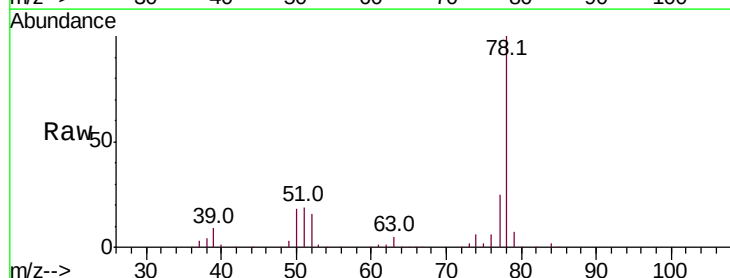
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

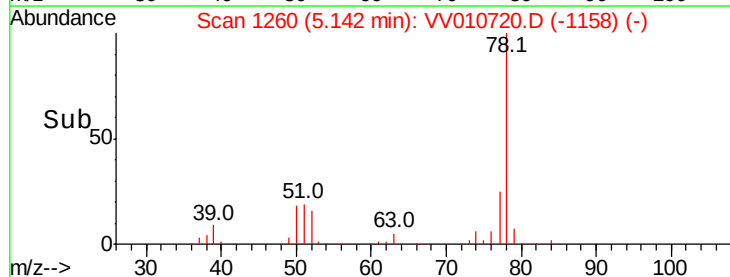
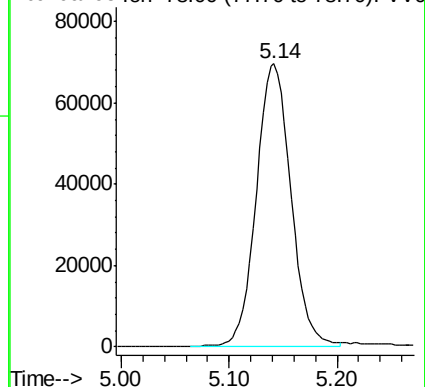
Lab File: VV010720.D

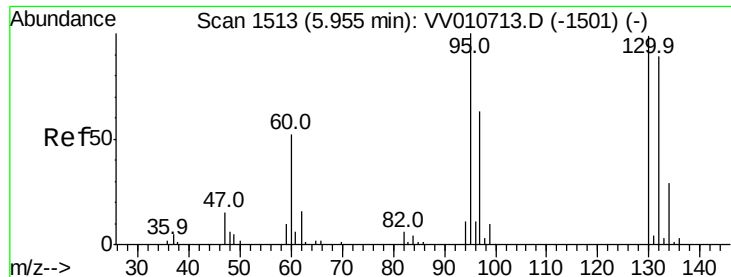
Acq: 08 May 2019 09:39

Tgt Ion: 78 Resp: 155704



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 22.369 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV010720.D

Acq: 08 May 2019 09:39

Instrument :

MSVOA_V

ClientSampleId :

A5167MS

Tot Ion: 95 Resp: 39602

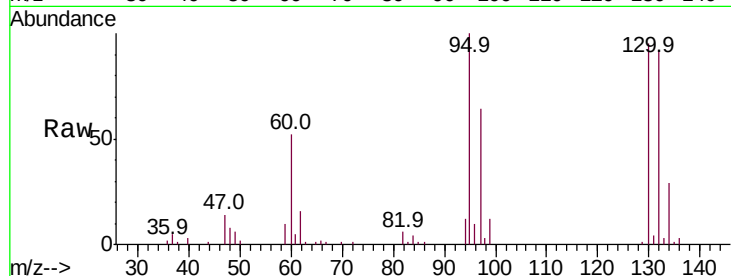
Ion Ratio Lower Upper

95 100

97 64.1 44.3 82.3

132 89.8 62.4 115.8

130 93.8 68.5 127.3

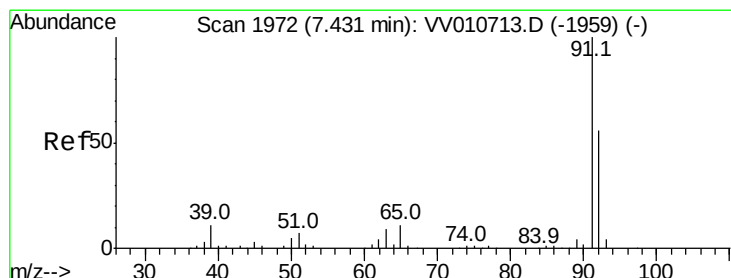
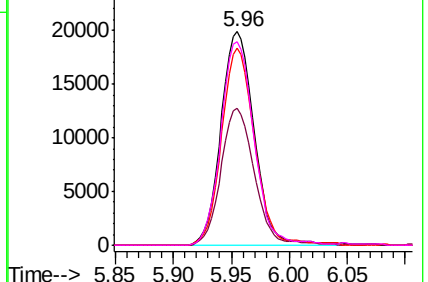
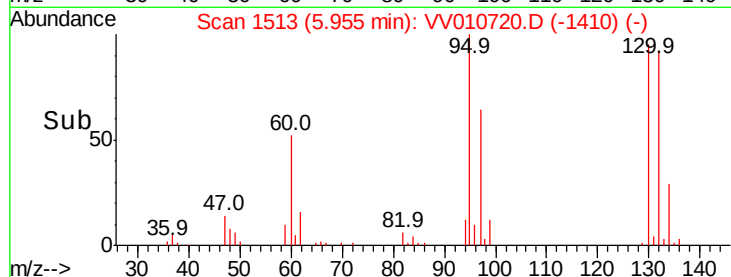


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44

Toluene

Concen: 22.632 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV010720.D

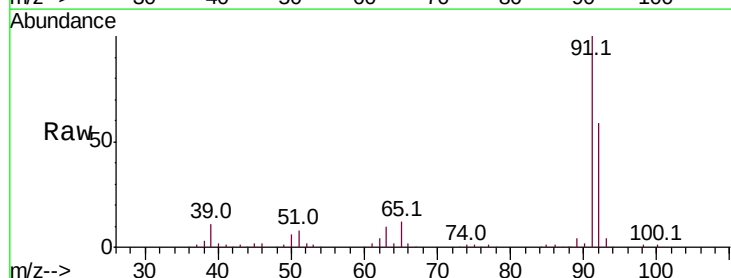
Acq: 08 May 2019 09:39

Tgt Ion: 91 Resp: 162457

Ion Ratio Lower Upper

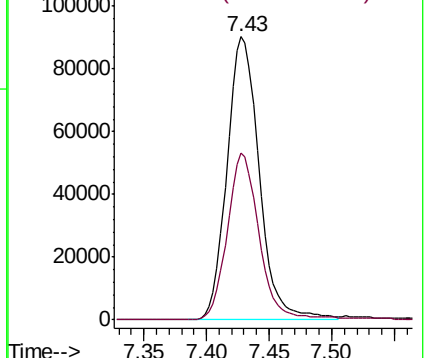
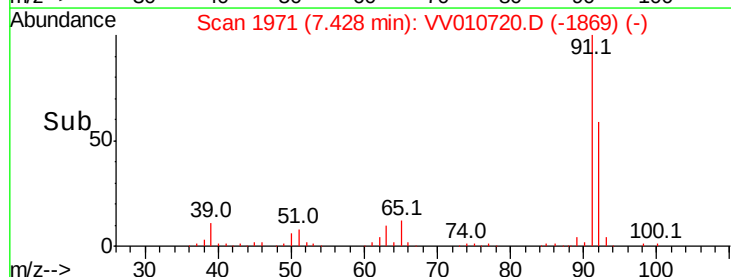
91 100

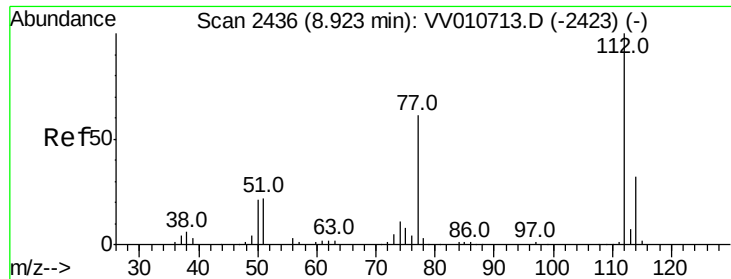
92 58.9 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0





#52

Chlorobenzene

Concen: 22.330 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010720.D

Acq: 08 May 2019 09:39

Instrument :

MSVOA_V

ClientSampleId :

A5167MS

Tot Ion:112 Resp: 104720

Ion Ratio Lower Upper

112 100

77 61.0 47.7 71.5

114 31.3 22.1 41.1

