

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010721.D
 Acq On : 08 May 2019 10:07
 Operator : SY/MD
 Sample : K2690-23MSD
 Misc : 5.29G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5167MSD

Quant Time: May 09 02:42:16 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	105379	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	101759	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39585	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	25798	15.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.04%
7) Chloroethane-d5	1.56	69	26597	19.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.96%
10) 1,1-Dichloroethene-d2	2.12	63	63530	17.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.56%
20) 2-Butanone-d5	3.93	46	28341	57.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.38%
24) Chloroform-d	4.39	84	65500	22.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.07	65	44180	24.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.48%
29) Benzene-d6	5.09	84	121820	22.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.96%
33) 1,2-Dichloropropane-d6	6.11	67	42767	25.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.24%
37) Toluene-d8	7.36	98	104725	20.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.68%
38) trans-1,3-Dichloropropene-	7.66	79	16008	20.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.28%
39) 2-Hexanone-d5	8.13	63	21192	59.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.68%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	42447	26.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	36472	23.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.16%

Target Compounds

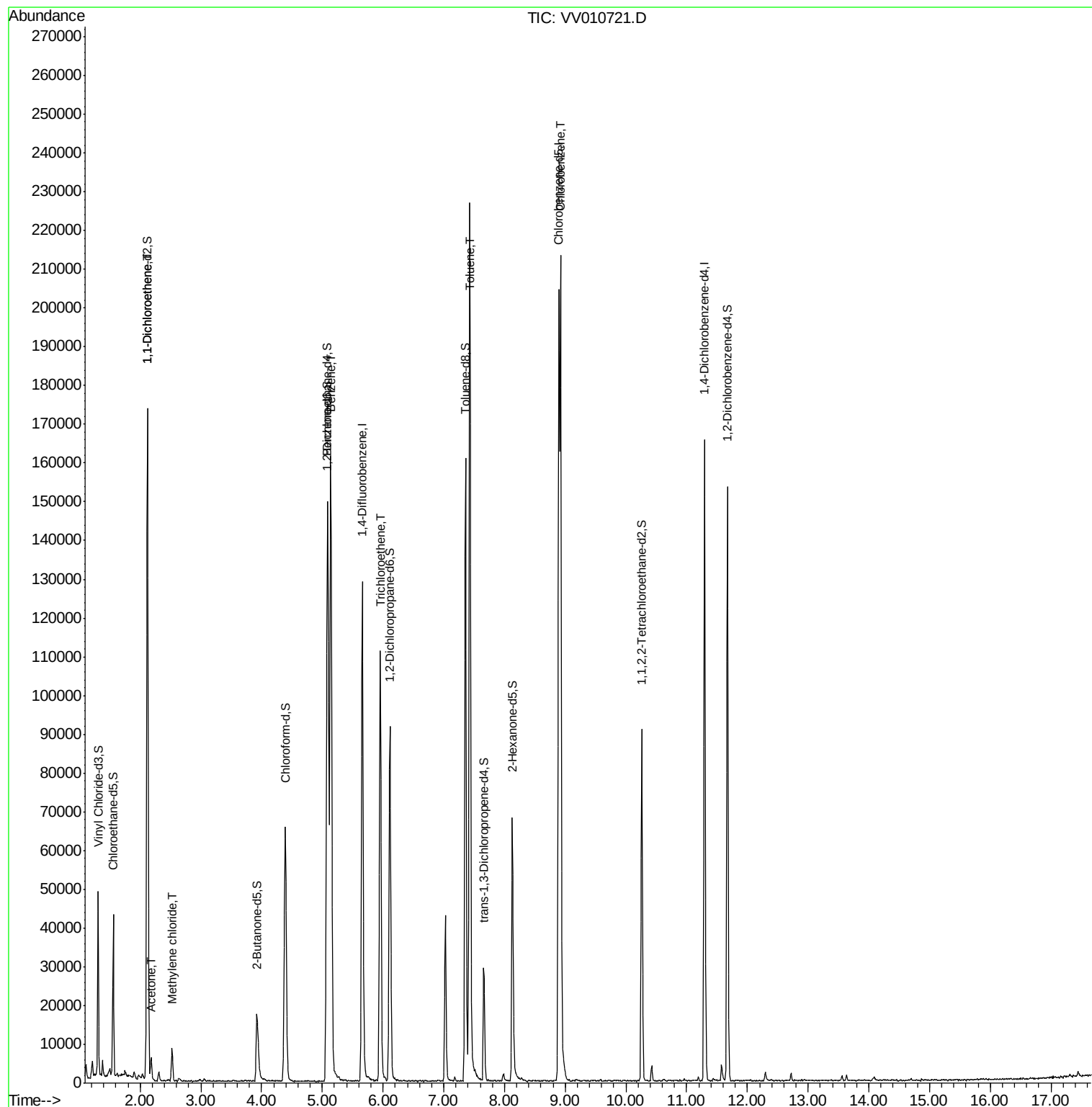
					Ovalue
12) 1,1-Dichloroethene	2.13	96	36231	21.839 ug/L	94
13) Acetone	2.18	43	5435	7.146 ug/L	95
16) Methylene chloride	2.52	84	3435	2.108 ug/L	90
34) Benzene	5.14	78	156948	26.273 ug/L	100
35) Trichloroethene	5.95	95	37589	22.464 ug/L	98
44) Toluene	7.43	91	160489	23.655 ug/L	99
52) Chlorobenzene	8.92	112	105038	23.697 ug/L	99

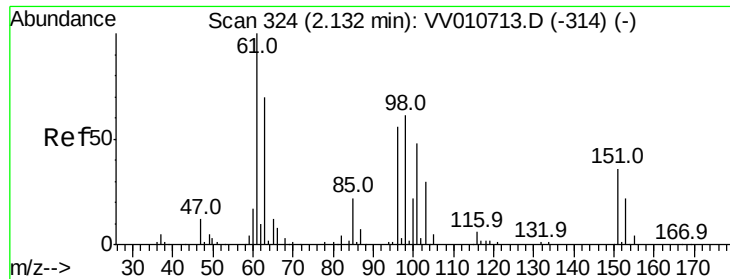
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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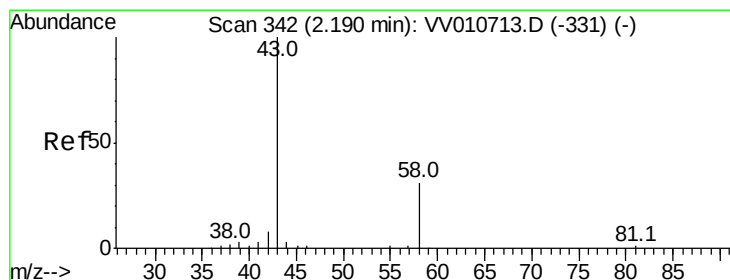
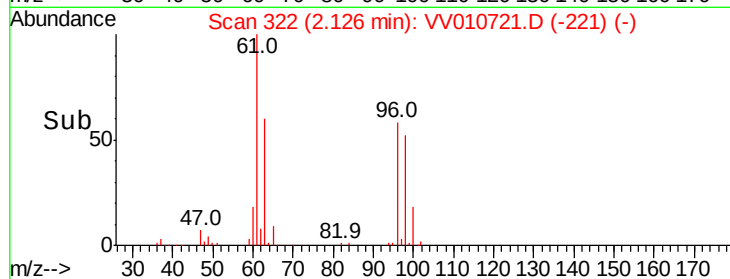
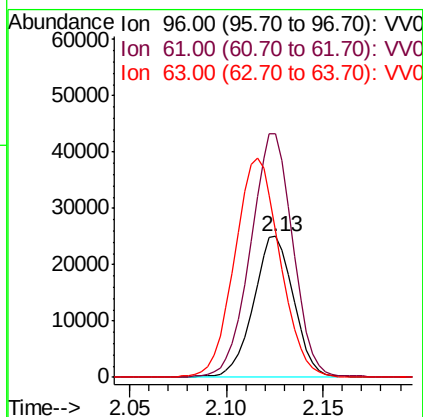
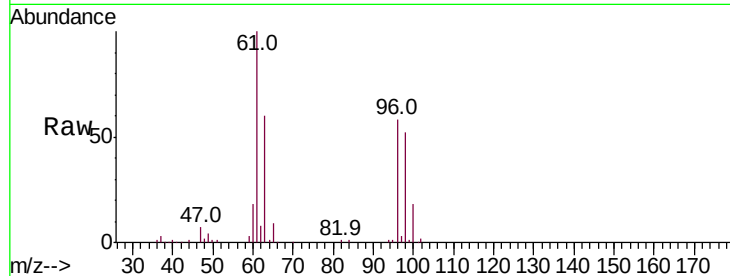


#12
 1,1-Dichloroethene
 Concen: 21.839 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV010721.D
 Acq: 08 May 2019 10:07

Instrument :
 MSVOA_V
 ClientSampleId :
 A5167MSD

Tot Ion: 96 Resp: 36231

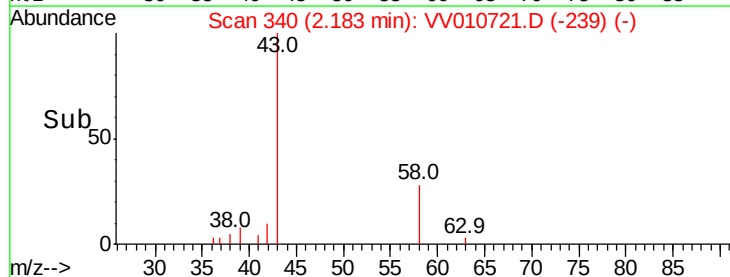
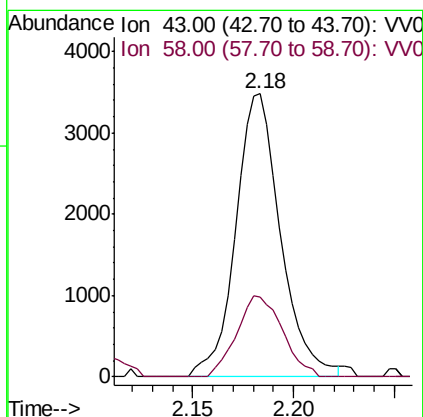
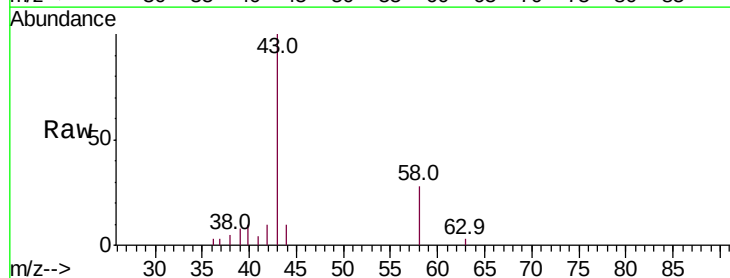
Ion	Ratio	Lower	Upper
96	100		
61	172.2	120.3	223.3
63	103.8	82.9	153.9

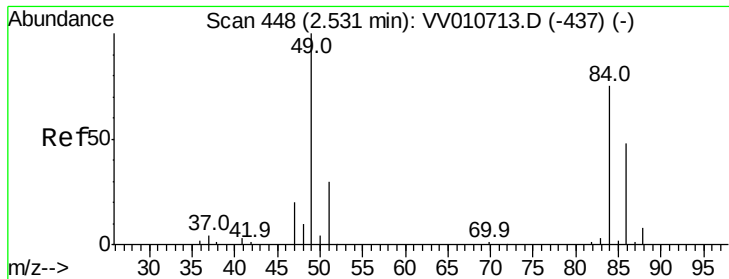


#13
 Acetone
 Concen: 7.146 ug/L
 RT: 2.18 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VV010721.D
 Acq: 08 May 2019 10:07

Tgt Ion: 43 Resp: 5435

Ion	Ratio	Lower	Upper
43	100		
58	29.2	0.0	63.4

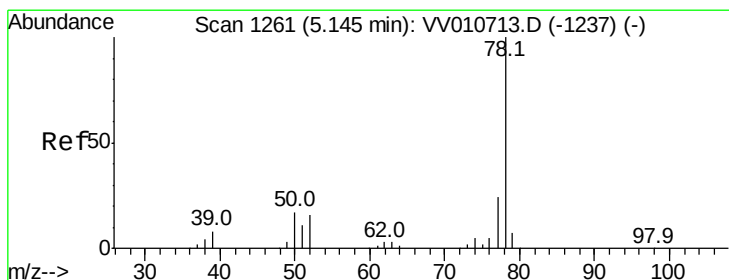
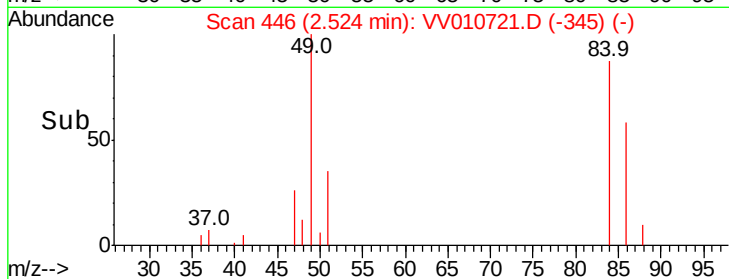
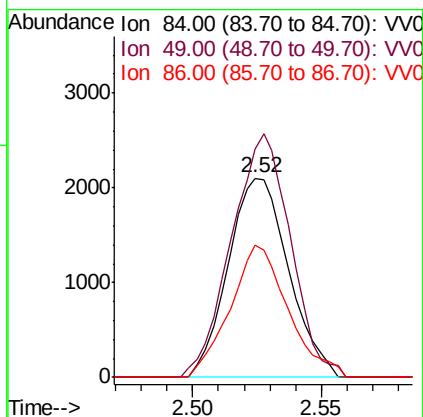
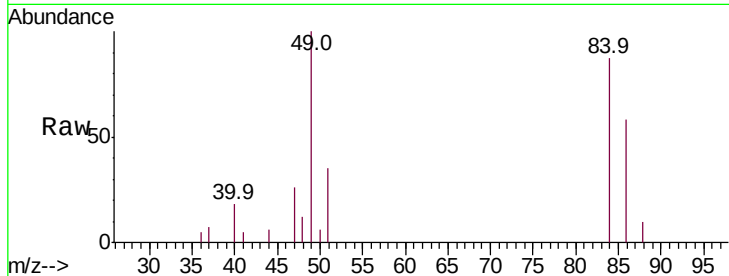




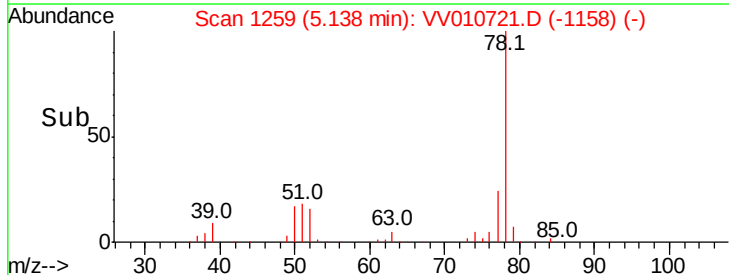
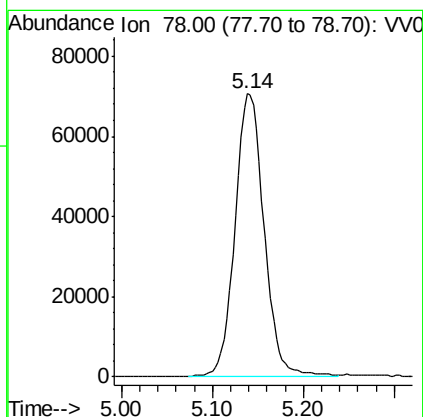
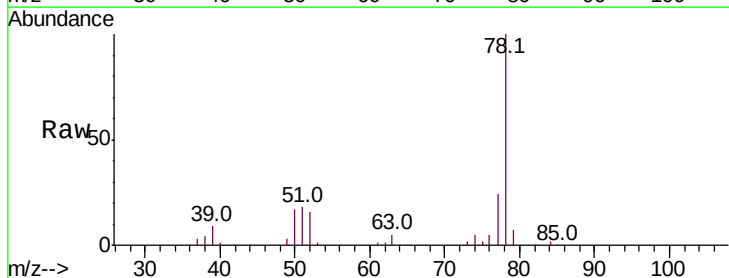
#16
Methvlene chloride
Concen: 2.108 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.01 min
Lab File: VV010721.D
Acq: 08 May 2019 10:07

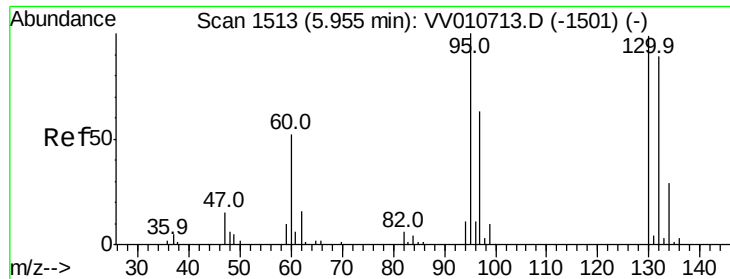
Instrument :
MSVOA_V
ClientSampleId :
A5167MSD

Tot Ion: 84 Resp: 3435
Ion Ratio Lower Upper
84 100
49 114.5 92.9 172.5
86 66.1 46.5 86.5



#34
Benzene
Concen: 26.273 ug/L
RT: 5.14 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VV010721.D
Acq: 08 May 2019 10:07
Tgt Ion: 78 Resp: 156948





#35

Trichloroethene

Concen: 22.464 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV010721.D

Acq: 08 May 2019 10:07

Instrument :

MSVOA_V

ClientSampleId :

A5167MSD

Tot Ion: 95 Resp: 37589

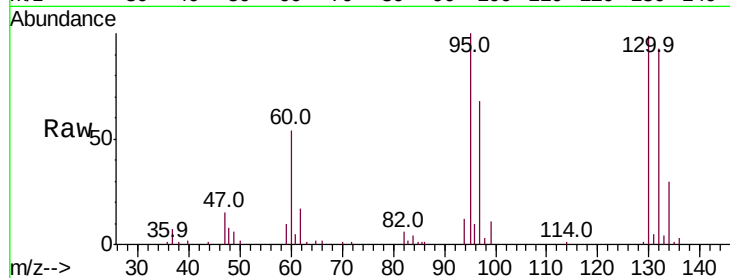
Ion Ratio Lower Upper

95 100

97 65.4 44.3 82.3

132 91.8 62.4 115.8

130 97.6 68.5 127.3

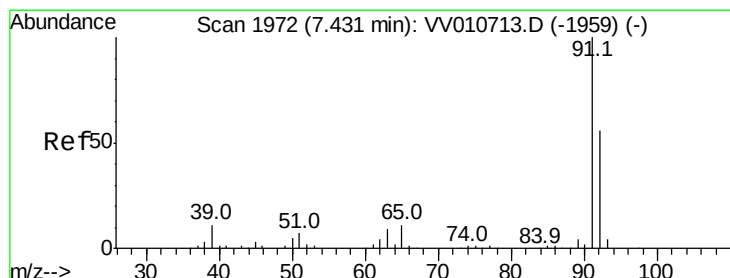
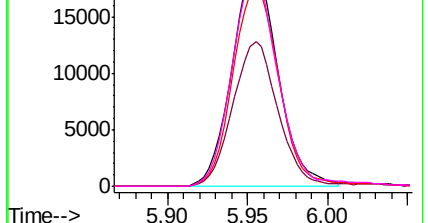
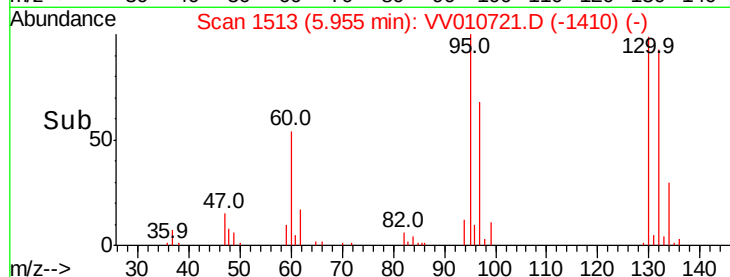


Abundance Ion 95.00 (94.70 to 95.70): VV010721.D (-1410) (-)

Ion 97.00 (96.70 to 97.70): VV010721.D (-1410) (-)

Ion 132.00 (131.70 to 132.70): VV010721.D (-1410) (-)

Ion 130.00 (129.70 to 130.70): VV010721.D (-1410) (-)



#44

Toluene

Concen: 23.655 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV010721.D

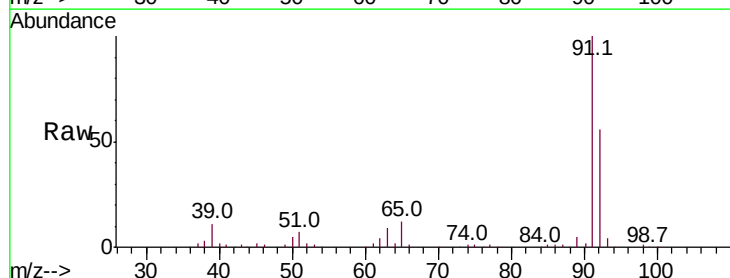
Acq: 08 May 2019 10:07

Tgt Ion: 91 Resp: 160489

Ion Ratio Lower Upper

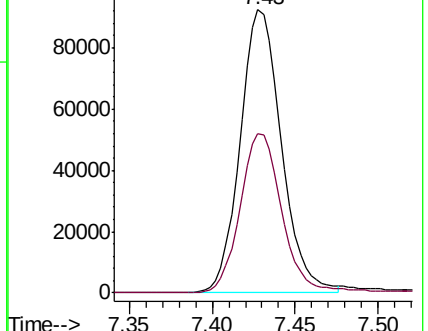
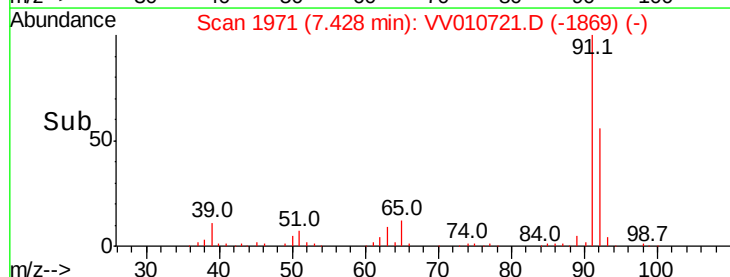
91 100

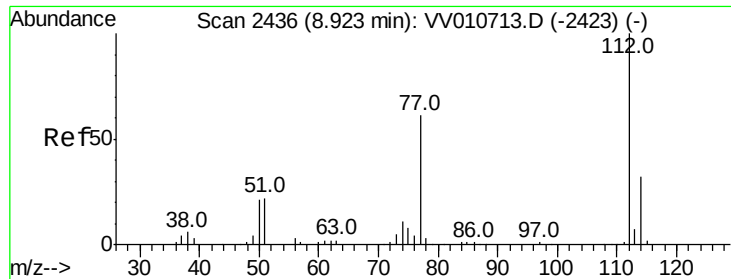
92 56.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010721.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV010721.D (-1869) (-)





#52

Chlorobenzene

Concen: 23.697 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010721.D

Acq: 08 May 2019 10:07

Instrument :

MSVOA_V

ClientSampleId :

A5167MSD

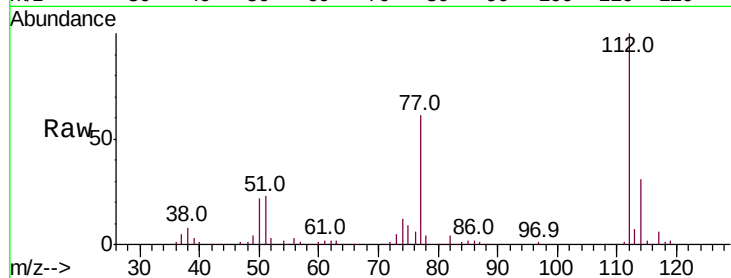
Tot Ion:112 Resp: 105038

Ion Ratio Lower Upper

112 100

77 60.6 47.7 71.5

114 31.2 22.1 41.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

