

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\
 Data File : VV013418.D
 Acq On : 30 Oct 2019 01:05
 Operator : SY/MD
 Sample : K5597-19
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQE8

Quant Time: Oct 30 04:48:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 30 02:50:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	355175	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	377959	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	202217	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	146006	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.58	69	127480	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.13	63	190760	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	3.96	46	391616	50.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.92%
24) Chloroform-d	4.40	84	302371	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.08	65	164865	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.10	84	636799	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.11	67	202351	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.36	98	539211	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.66	79	67937	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.14	63	237665	48.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	131822	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	213326	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

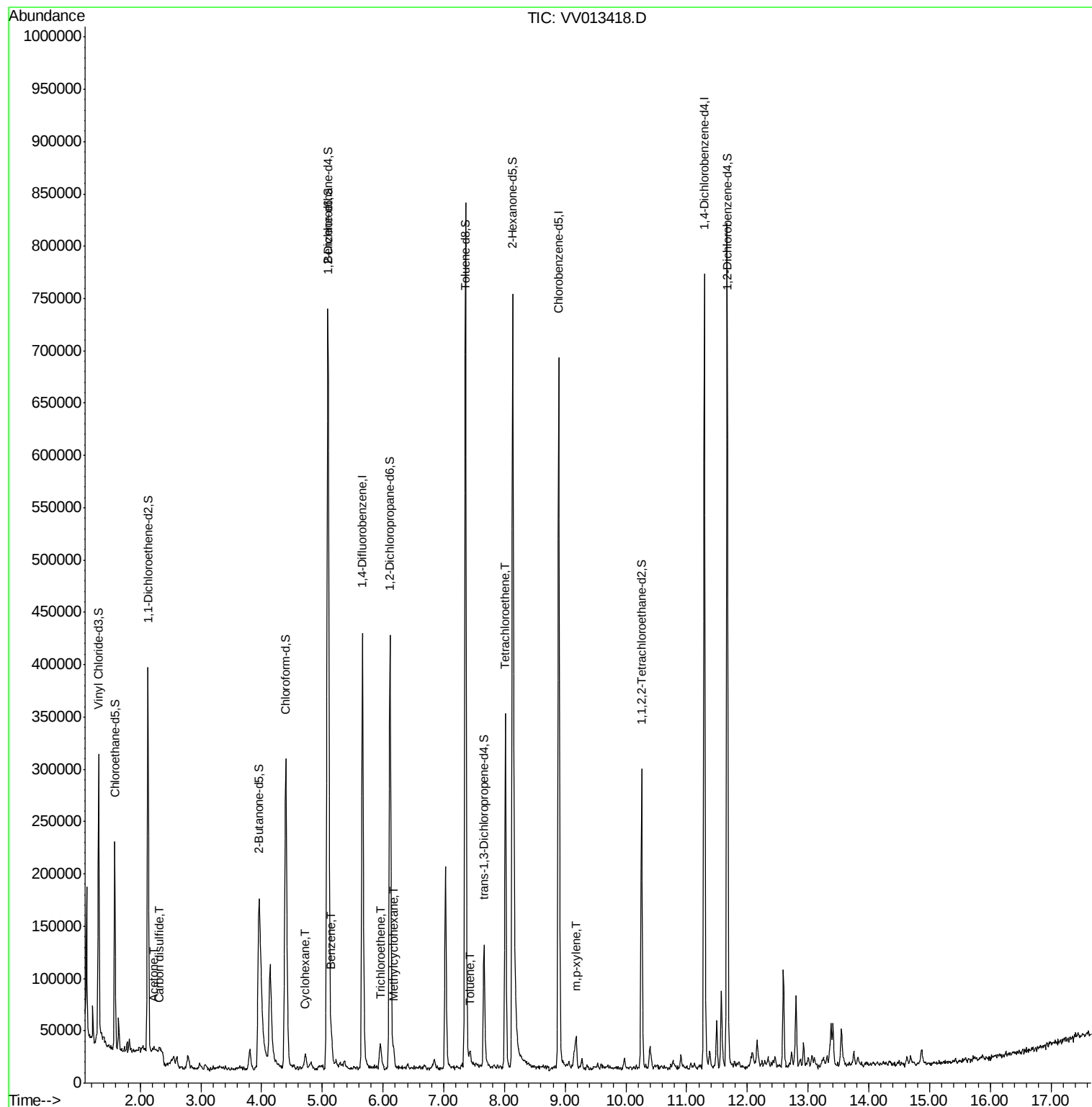
					Ovalue
13) Acetone	2.22	43	7448	1.984 ug/L	77
14) Carbon disulfide	2.32	76	5269	0.064 ug/L #	69
30) Cyclohexane	4.72	56	7559	0.129 ug/L #	84
33) Benzene	5.14	78	26850	0.190 ug/L	100
34) Trichloroethene	5.96	95	5765	0.149 ug/L	96
35) Methylcyclohexane	6.17	83	5823	0.101 ug/L #	77
42) Toluene	7.43	91	11058	0.075 ug/L	95
47) Tetrachloroethene	8.02	164	78372	2.386 ug/L	98
53) m,p-xylene	9.18	106	7474	0.130 ug/L	100

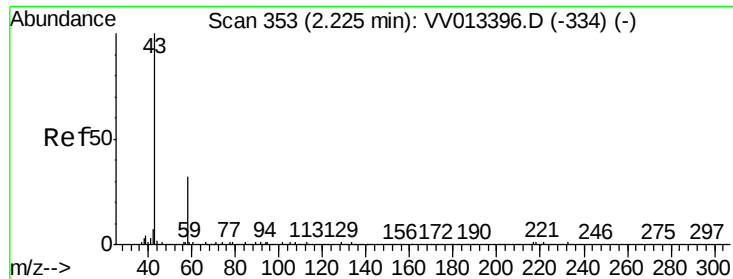
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration





#13

Acetone

Concen: 1.984 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV013418.D

Acq: 30 Oct 2019 01:05

Instrument :

MSVOA_V

ClientSampleId :

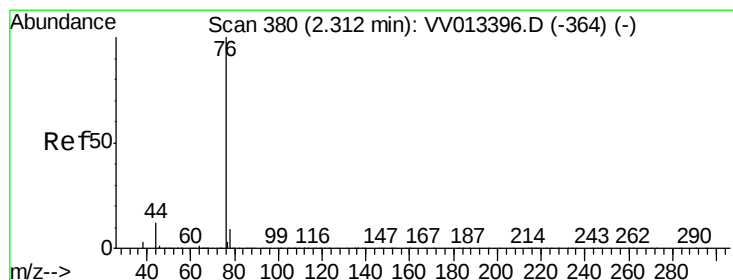
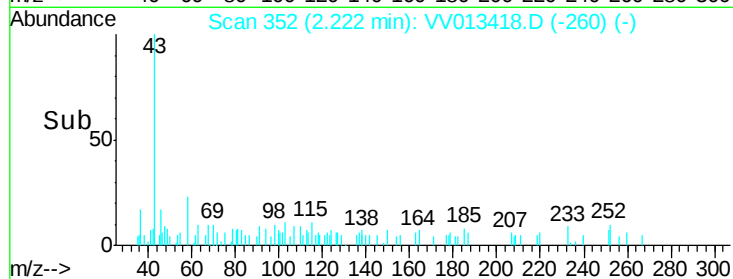
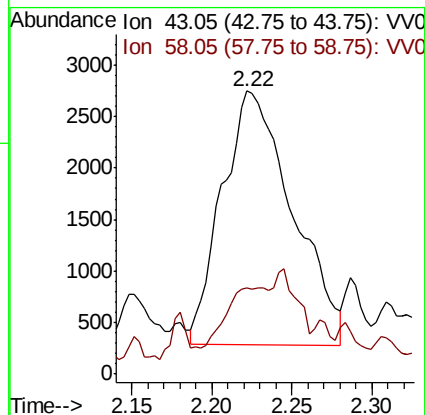
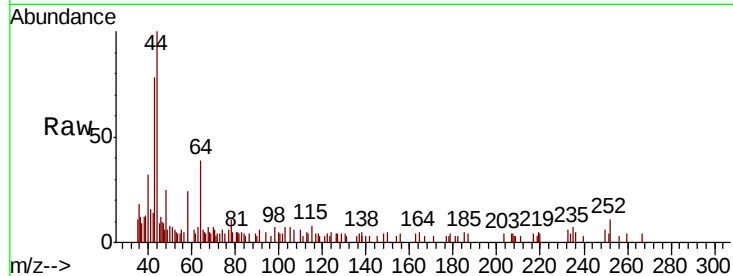
GAQE8

Tot Ion: 43 Resp: 7448

Ion Ratio Lower Upper

43 100

58 17.0 0.0 59.0



#14

Carbon disulfide

Concen: 0.064 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013418.D

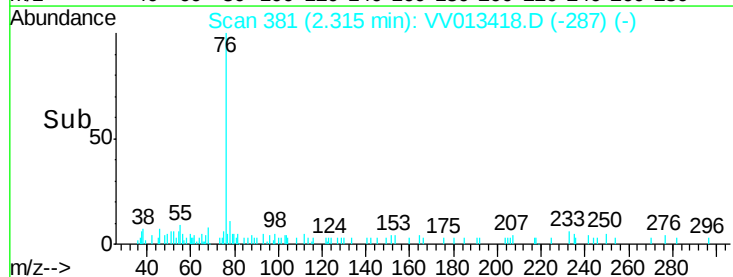
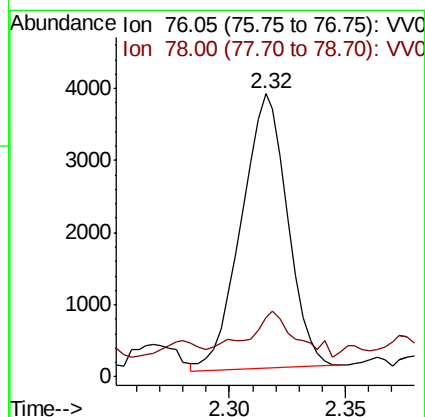
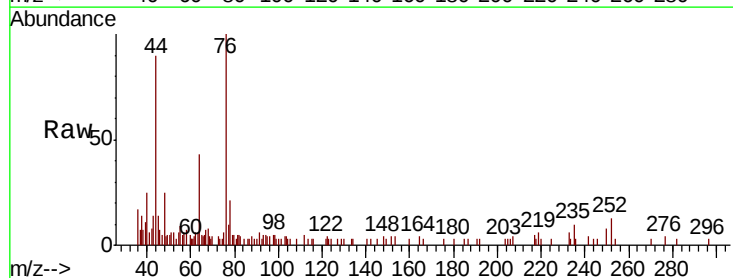
Acq: 30 Oct 2019 01:05

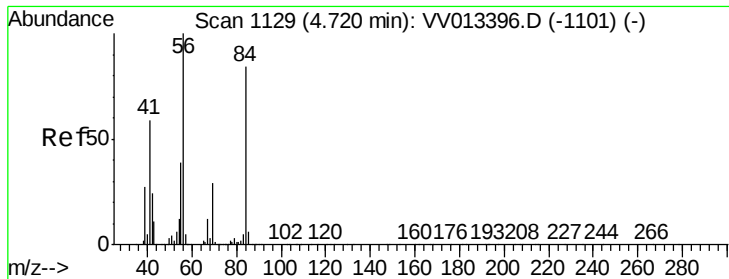
Tgt Ion: 76 Resp: 5269

Ion Ratio Lower Upper

76 100

78 20.9 7.5 11.3#

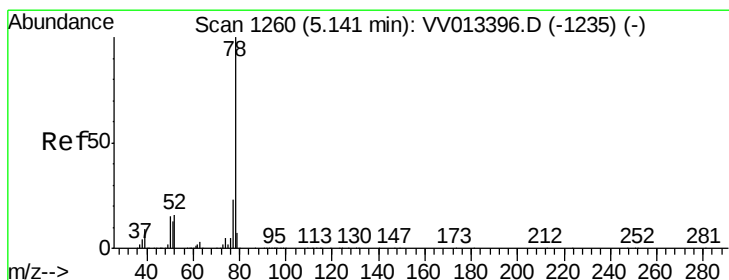
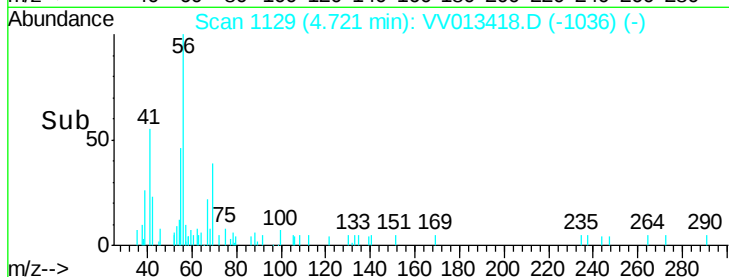
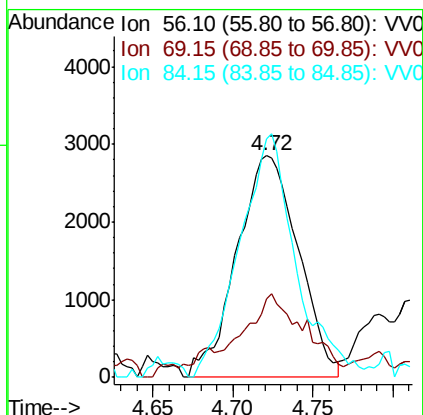
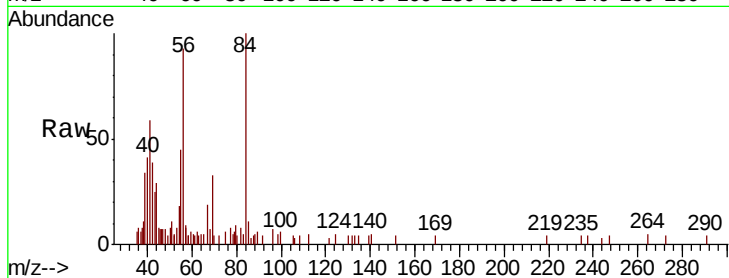




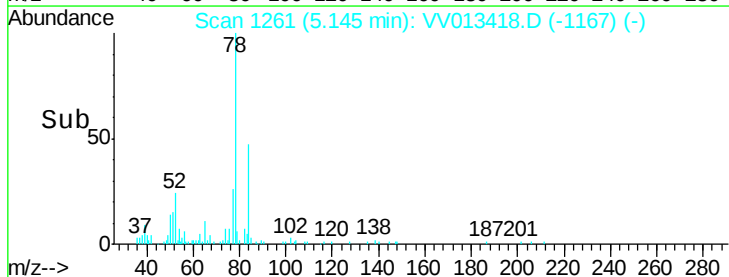
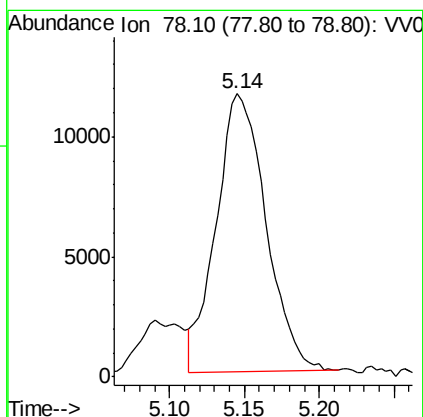
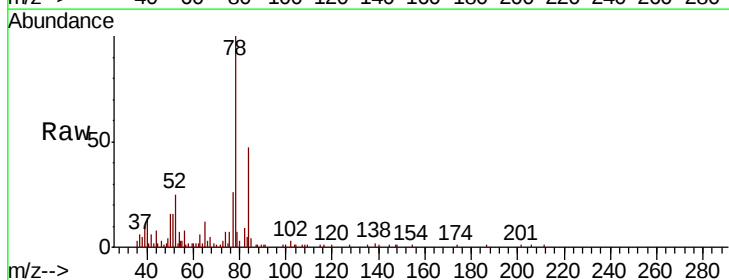
#30
Cyclohexane
Concen: 0.129 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV013418.D
Acq: 30 Oct 2019 01:05

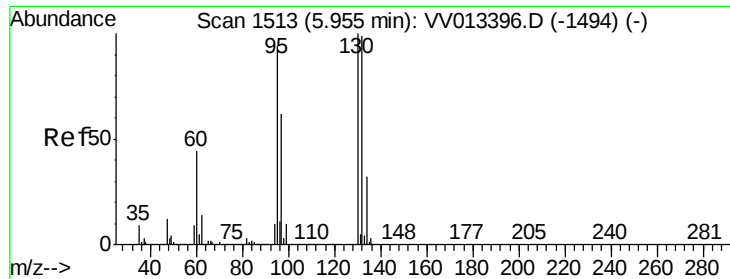
Instrument :
MSVOA_V
ClientSampleId :
GAQE8

Tot Ion: 56 Resp: 7559
Ion Ratio Lower Upper
56 100
69 29.1 22.7 34.1
84 100.5 65.5 98.3#



#33
Benzene
Concen: 0.190 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013418.D
Acq: 30 Oct 2019 01:05
Tgt Ion: 78 Resp: 26850





#34

Trichloroethene

Concen: 0.149 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV013418.D

Acq: 30 Oct 2019 01:05

Instrument :

MSVOA_V

ClientSampleId :

GAQE8

Tot Ion: 95 Resp: 5765

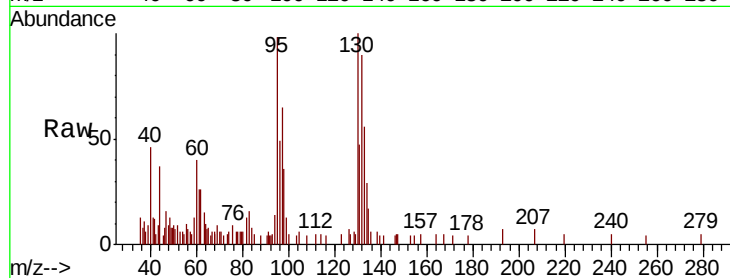
Ion Ratio Lower Upper

95 100

97 66.5 43.9 81.5

132 91.7 68.7 127.7

130 101.8 72.1 133.9

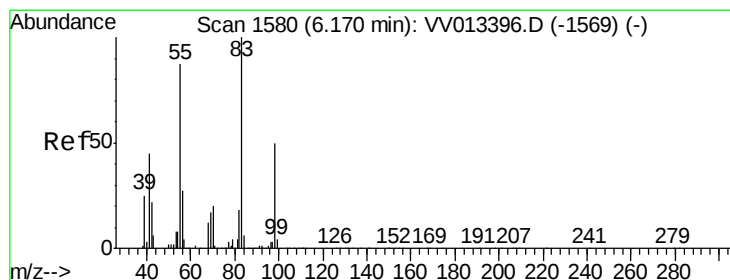
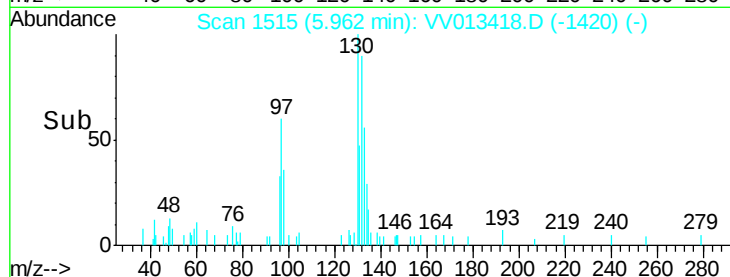
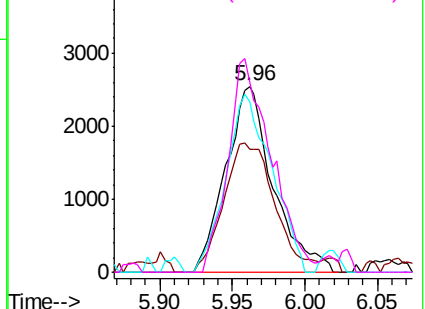


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.101 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013418.D

Acq: 30 Oct 2019 01:05

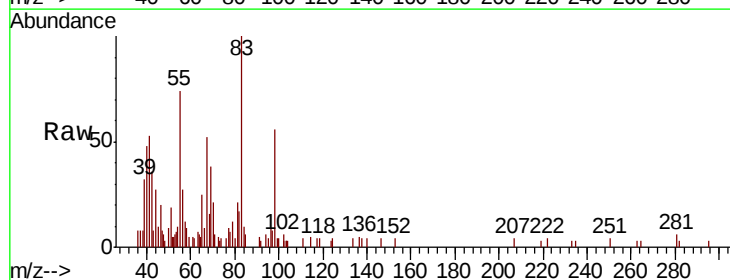
Tgt Ion: 83 Resp: 5823

Ion Ratio Lower Upper

83 100

55 103.6 66.0 99.0#

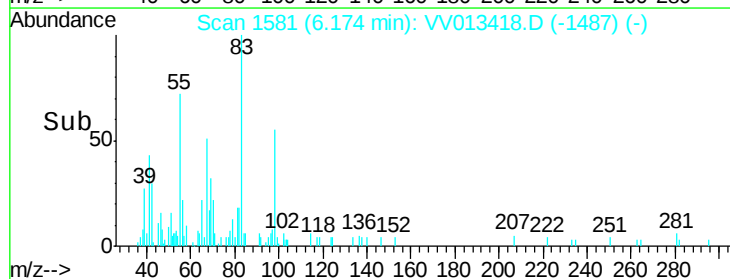
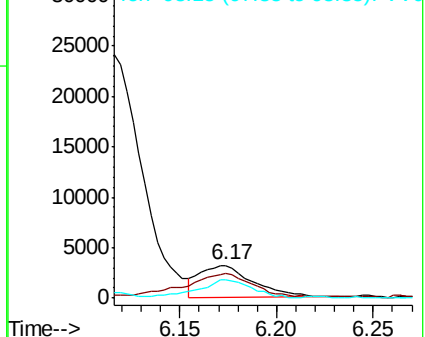
98 62.5 38.2 57.4#

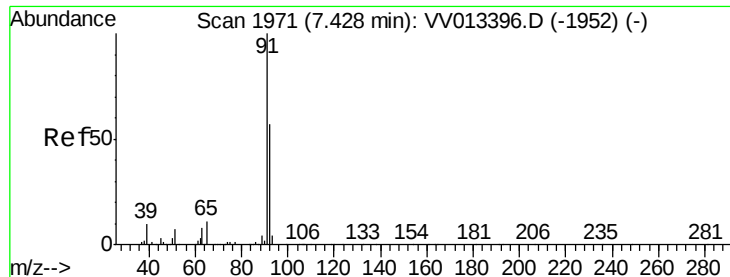


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#42

Toluene

Concen: 0.075 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV013418.D

Acq: 30 Oct 2019 01:05

Instrument :

MSVOA_V

ClientSampleId :

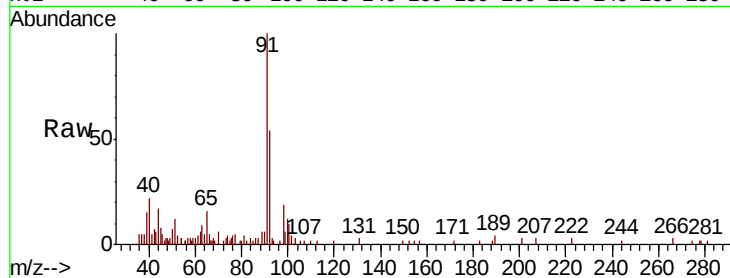
GAQE8

Tot Ion: 91 Resp: 11058

Ion Ratio Lower Upper

91 100

92 53.8 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

6000

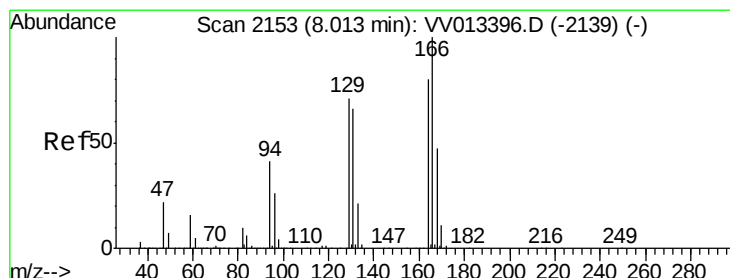
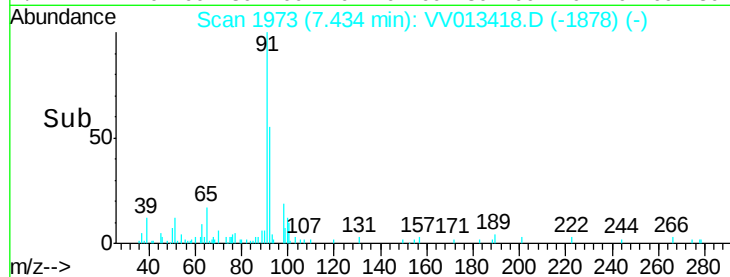
4000

2000

0

7.35 7.40 7.45 7.50

Time-->



#47

Tetrachloroethene

Concen: 2.386 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013418.D

Acq: 30 Oct 2019 01:05

Tgt Ion: 164 Resp: 78372

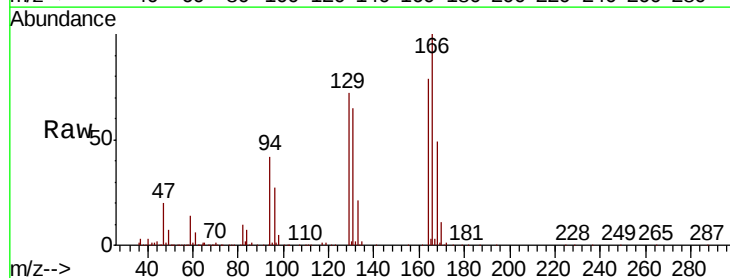
Ion Ratio Lower Upper

164 100

129 91.3 63.4 117.8

131 83.0 60.3 112.1

166 127.4 90.8 168.6



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

80000

60000

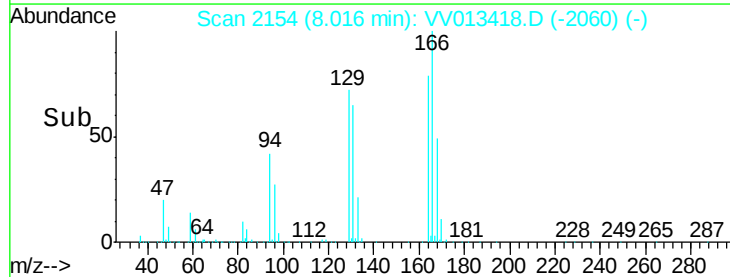
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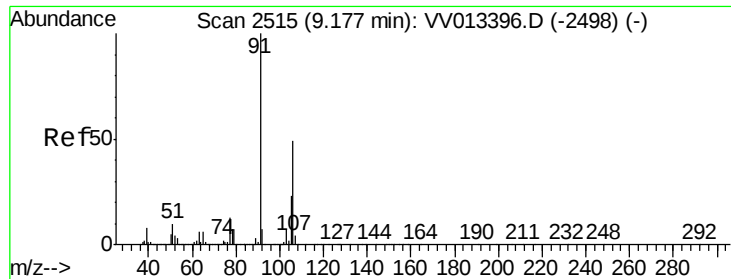
20000

0

7.95 8.00 8.05 8.10

Time-->





#53

m,p-xylene

Concen: 0.130 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013418.D

Acq: 30 Oct 2019 01:05

Instrument :

MSVOA_V

ClientSampleId :

GAQE8

Tot Ion:106 Resp: 7474

Ion Ratio Lower Upper

106 100

91 206.5 144.3 267.9

