

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\
 Data File : VV013420.D
 Acq On : 30 Oct 2019 01:53
 Operator : SY/MD
 Sample : K5597-21
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQF0

Quant Time: Oct 30 04:55:36 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	357422	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	383635	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	206192	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	147708	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.58	69	121089	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.13	63	188674	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	3.94	46	379021	49.01	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.02%
24) Chloroform-d	4.40	84	298243	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.08	65	160694	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.10	84	626445	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.12	67	196029	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.36	98	525883	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	7.66	79	63431	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.13	63	260814	52.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.42%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	126794	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	207453	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

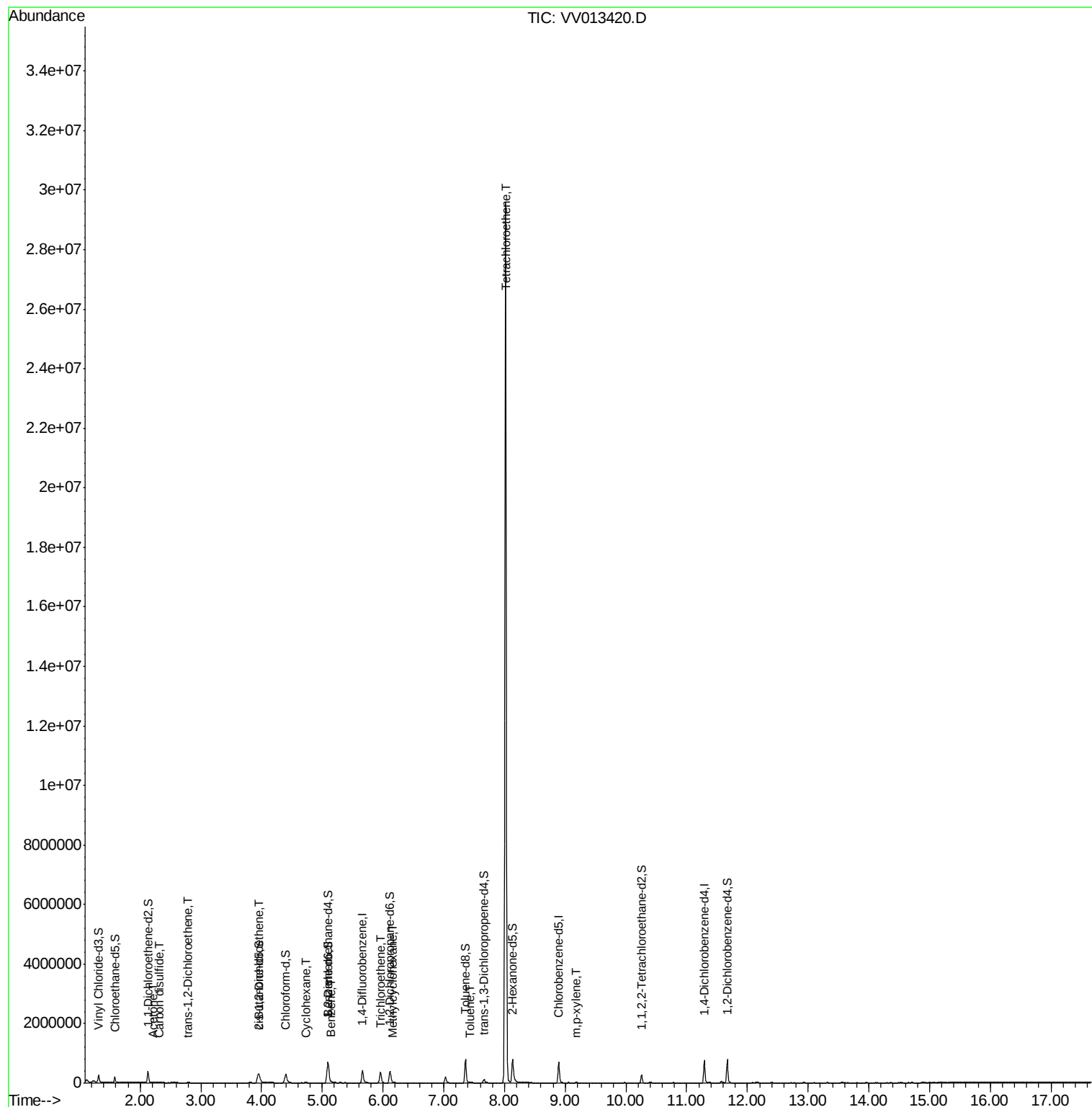
					Ovalue
13) Acetone	2.21	43	6608	1.749 ug/L	97
14) Carbon disulfide	2.32	76	11839	0.143 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	4862	0.134 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	83267	2.268 ug/L #	93
30) Cyclohexane	4.72	56	6719	0.113 ug/L #	82
33) Benzene	5.15	78	28595	0.199 ug/L	100
34) Trichloroethene	5.96	95	119916	3.047 ug/L	93
35) Methylcyclohexane	6.17	83	4424	0.075 ug/L #	69
42) Toluene	7.43	91	11706	0.078 ug/L	97
47) Tetrachloroethene	8.02	164	6924593	207.672 ug/L	98
53) m,p-xylene	9.18	106	5907	0.101 ug/L	97

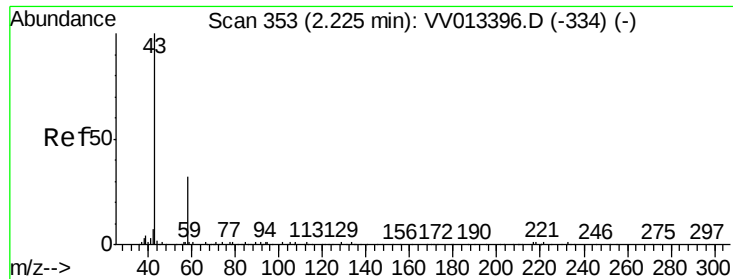
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration





#13

Acetone

Concen: 1.749 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

Instrument :

MSVOA_V

ClientSampleId :

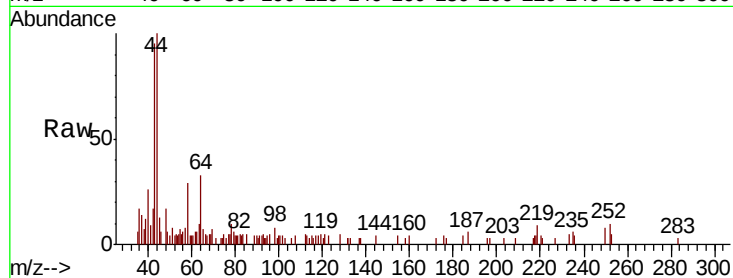
GAQF0

Tot Ion: 43 Resp: 6608

Ion Ratio Lower Upper

43 100

58 31.2 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

4000

3000

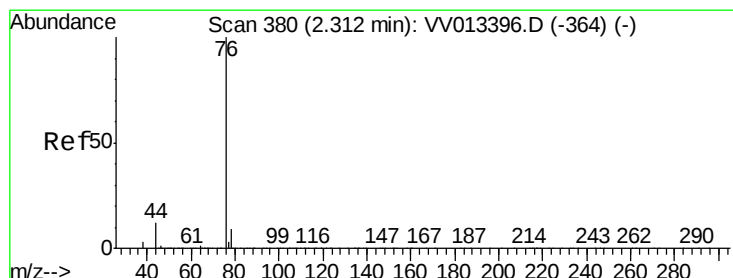
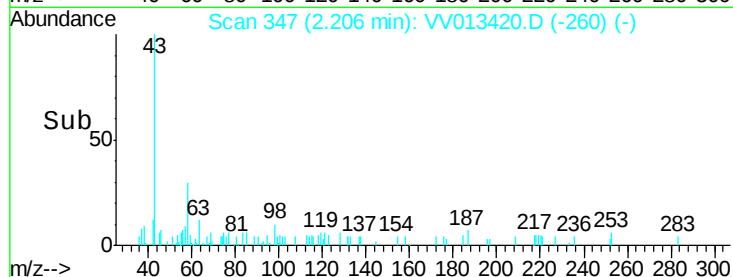
2000

1000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 0.143 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013420.D

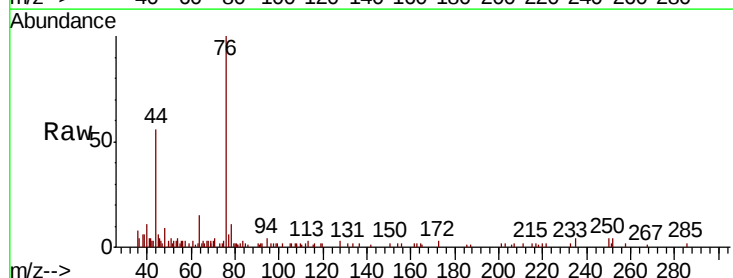
Acq: 30 Oct 2019 01:53

Tgt Ion: 76 Resp: 11839

Ion Ratio Lower Upper

76 100

78 11.2 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

8000

6000

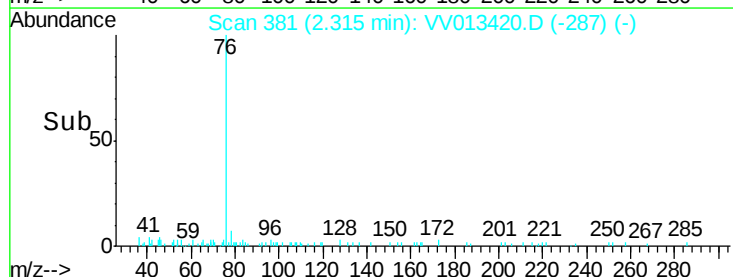
4000

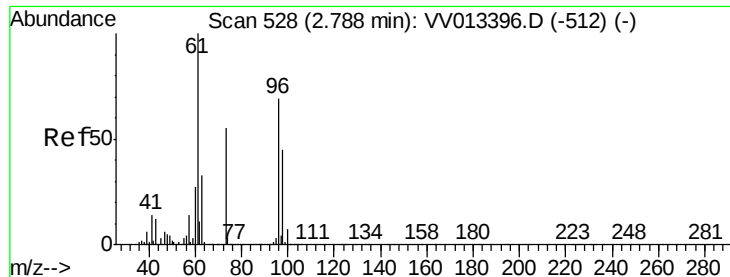
2000

0

2.25 2.30 2.35

Time-->





#18

trans-1,2-Dichloroethene

Concen: 0.134 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

Instrument :

MSVOA_V

ClientSampled :

GAQF0

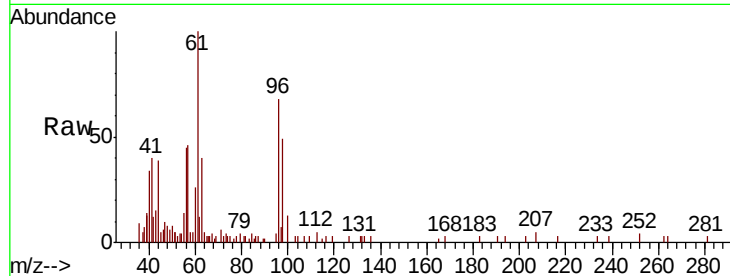
Tot Ion: 96 Resp: 4862

Ion Ratio Lower Upper

96 100

61 146.7 100.1 185.9

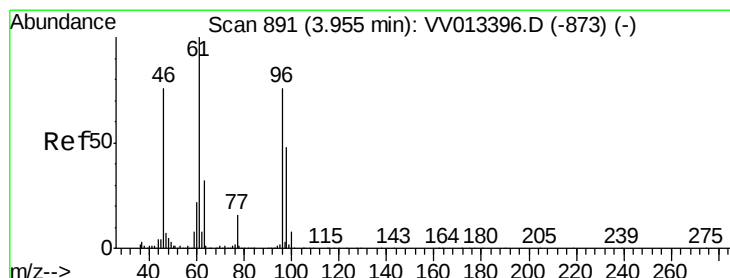
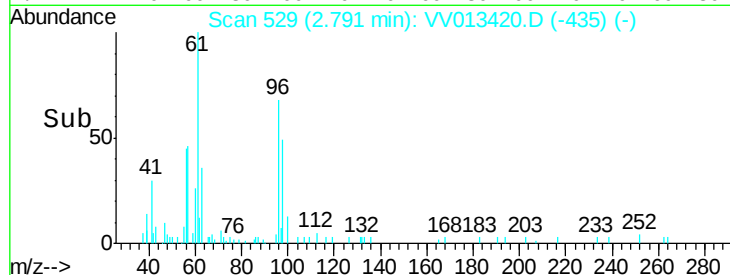
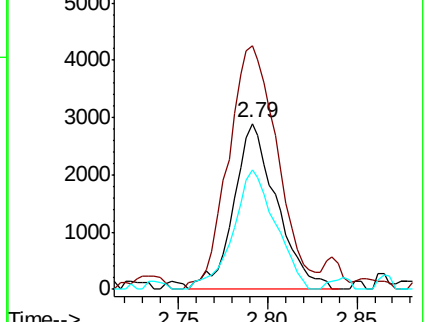
98 71.9 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#22

cis-1,2-Dichloroethene

Concen: 2.268 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

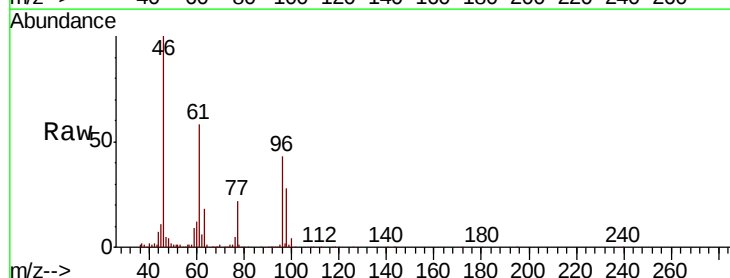
Tgt Ion: 96 Resp: 83267

Ion Ratio Lower Upper

96 100

61 137.0 89.9 167.0

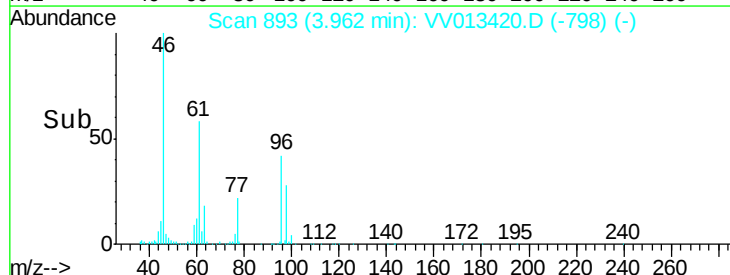
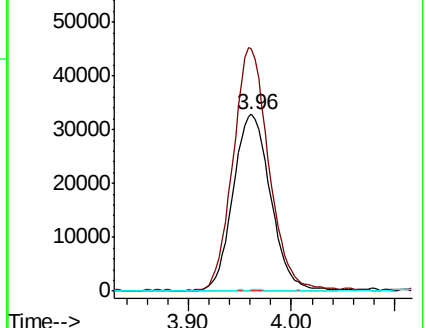
68 0.9 0.1 0.3#

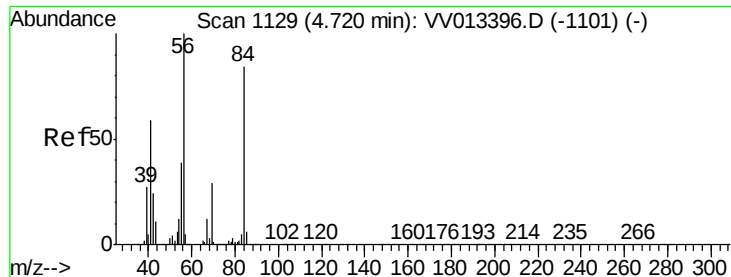


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

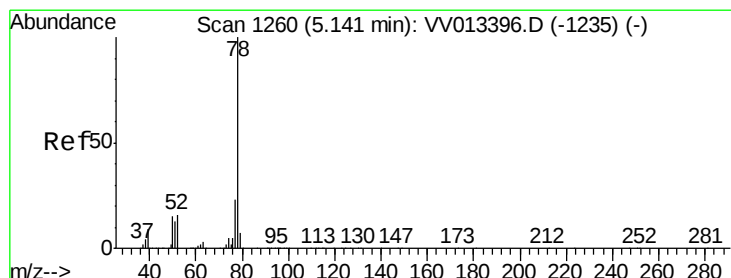
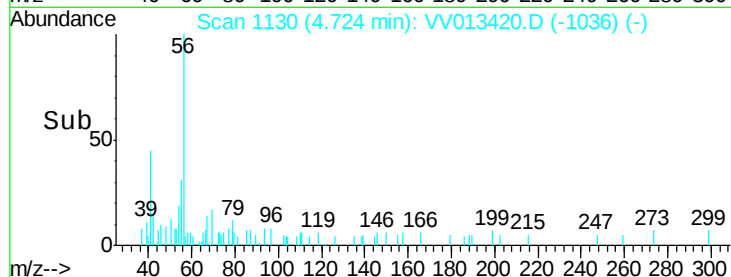
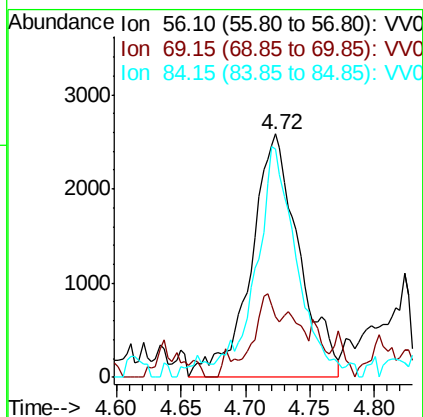
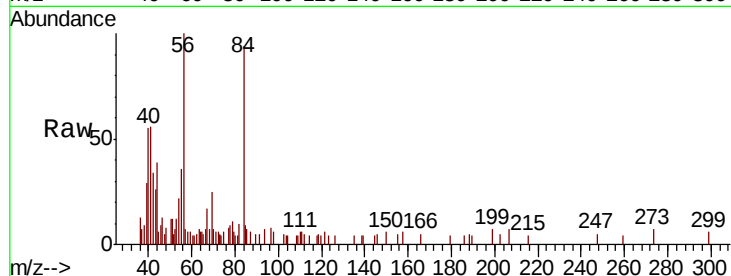




#30
Cyclohexane
Concen: 0.113 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013420.D
Acq: 30 Oct 2019 01:53

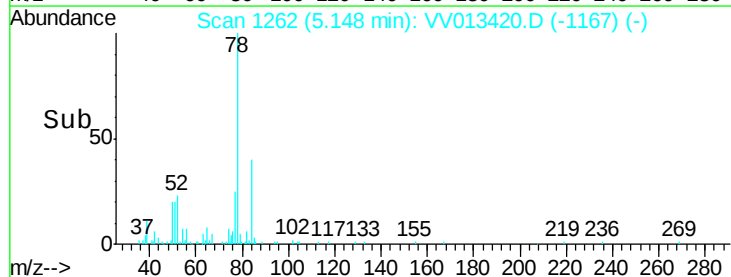
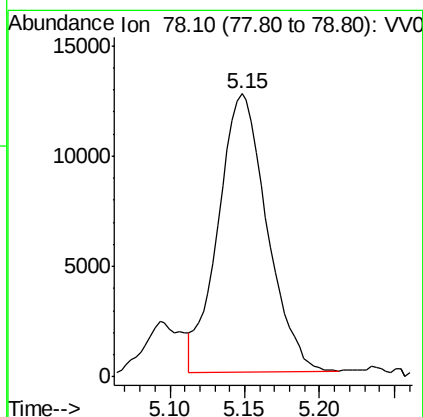
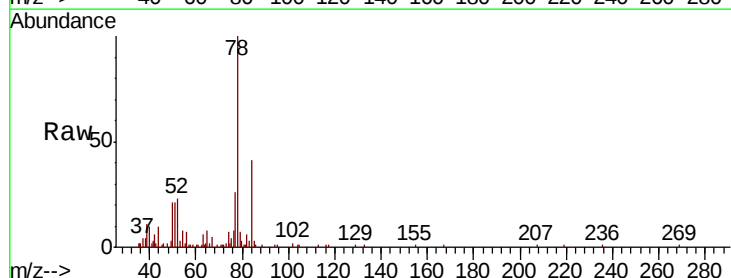
Instrument :
MSVOA_V
ClientSampleId :
GAQF0

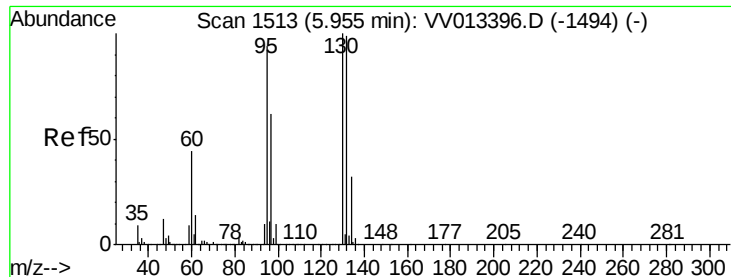
Tot Ion: 56 Resp: 6719
Ion Ratio Lower Upper
56 100
69 10.8 22.7 34.1#
84 71.0 65.5 98.3



#33
Benzene
Concen: 0.199 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV013420.D
Acq: 30 Oct 2019 01:53

Tgt Ion: 78 Resp: 28595





#34

Trichloroethene

Concen: 3.047 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

Instrument :

MSVOA_V

ClientSampled :

GAQF0

Tot Ion: 95 Resp: 119916

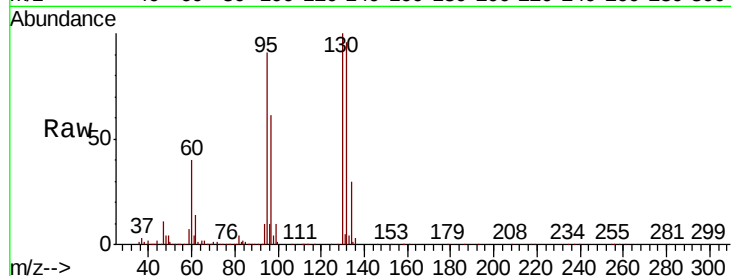
Ion Ratio Lower Upper

95 100

97 67.2 43.9 81.5

132 105.4 68.7 127.7

130 109.9 72.1 133.9

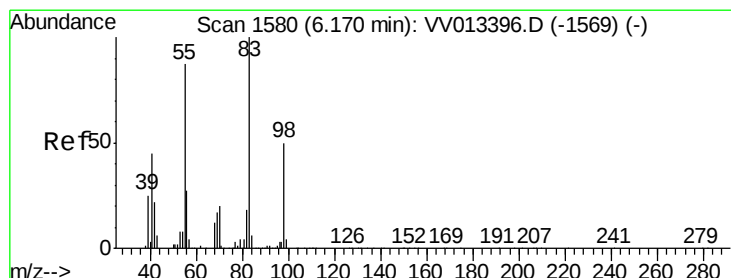
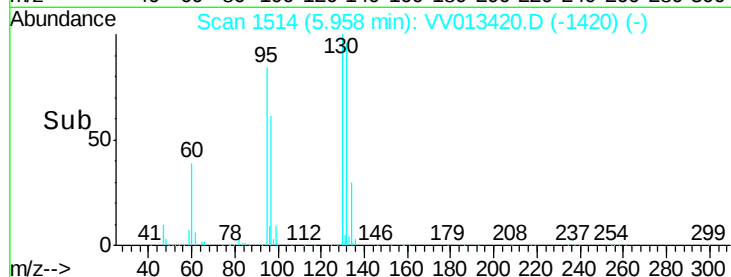
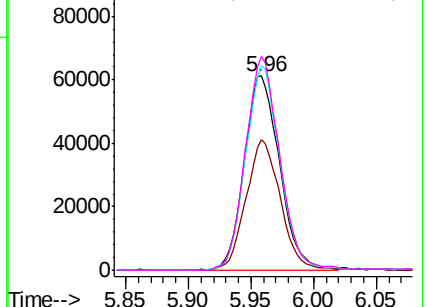


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.075 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

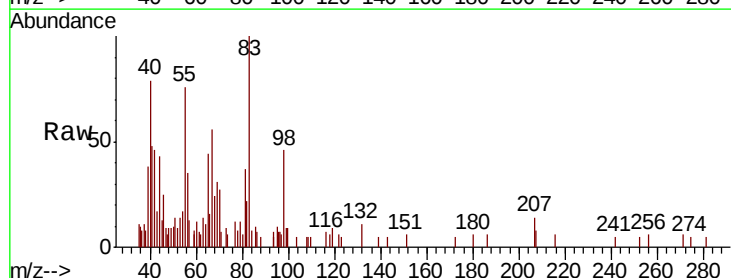
Tgt Ion: 83 Resp: 4424

Ion Ratio Lower Upper

83 100

55 115.4 66.0 99.0#

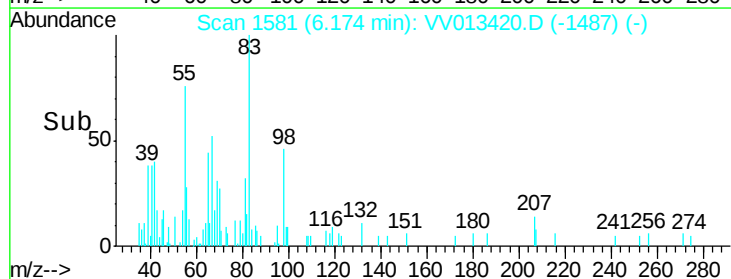
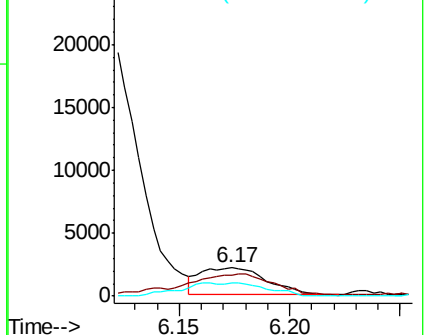
98 34.4 38.2 57.4#

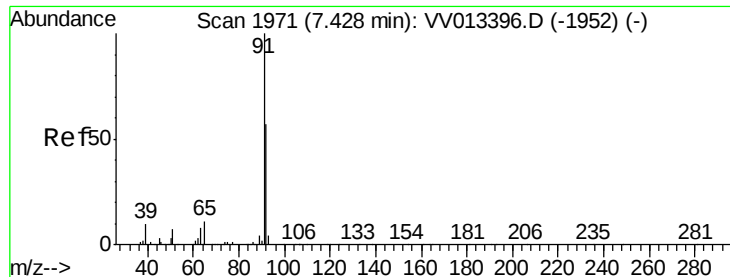


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#42

Toluene

Concen: 0.078 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

Instrument :

MSVOA_V

ClientSampleId :

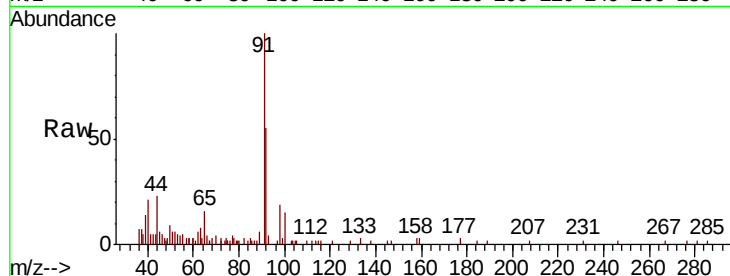
GAQF0

Tot Ion: 91 Resp: 11706

Ion Ratio Lower Upper

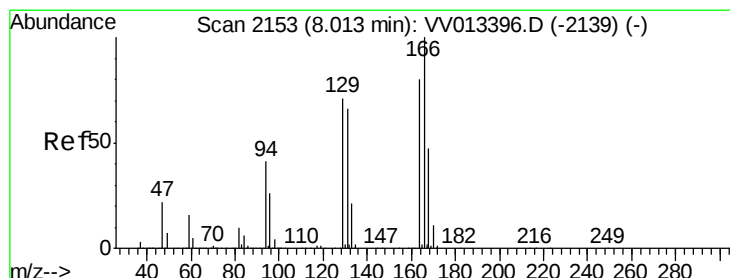
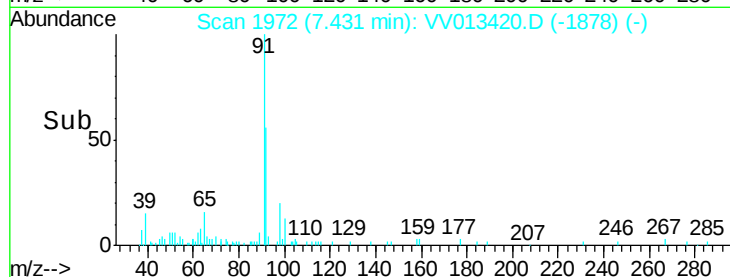
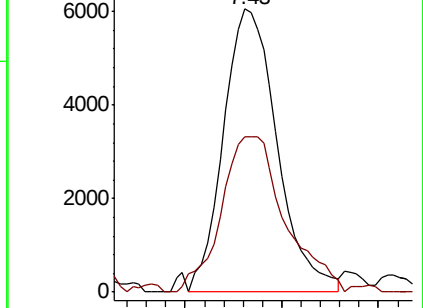
91 100

92 55.1 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV013396.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV013396.D (-1952) (-)



#47

Tetrachloroethene

Concen: 207.672 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.01 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

Tgt Ion: 164 Resp: 6924593

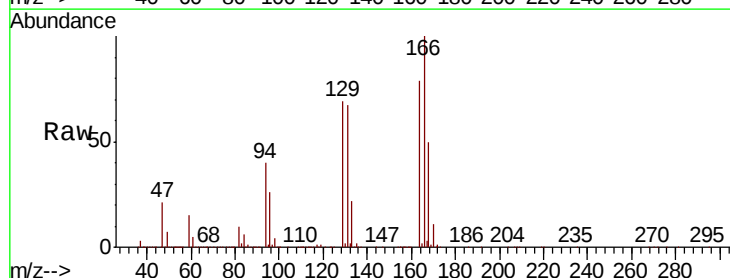
Ion Ratio Lower Upper

164 100

129 88.3 63.4 117.8

131 84.9 60.3 112.1

166 127.3 90.8 168.6

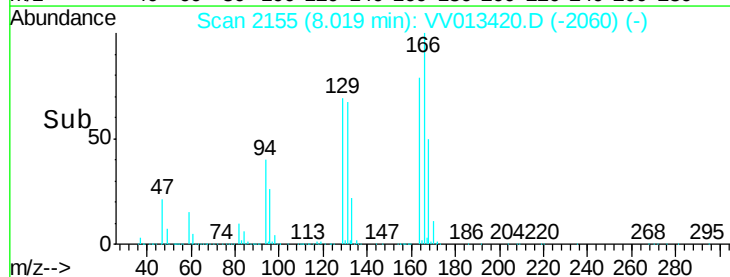
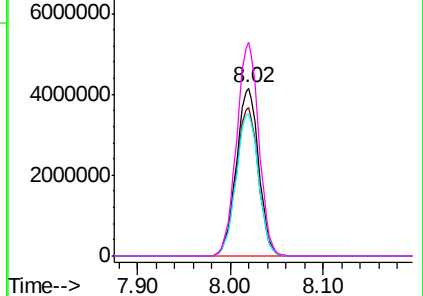


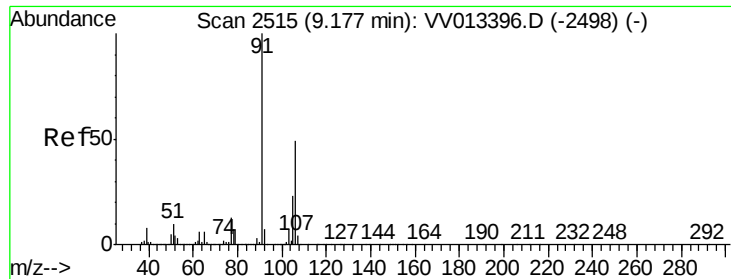
Abundance Ion 163.90 (163.60 to 164.60): VV013396.D (-2139) (-)

Ion 128.95 (128.65 to 129.65): VV013396.D (-2139) (-)

Ion 130.95 (130.65 to 131.65): VV013396.D (-2139) (-)

Ion 165.90 (165.60 to 166.60): VV013396.D (-2139) (-)





#53

m,p-xylene

Concen: 0.101 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013420.D

Acq: 30 Oct 2019 01:53

Instrument :

MSVOA_V

ClientSampleId :

GAQF0

Tot Ion:106 Resp: 5907

Ion Ratio Lower Upper

106 100

91 210.7 144.3 267.9

