

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\
 Data File : VV013416.D
 Acq On : 30 Oct 2019 00:17
 Operator : SY/MD
 Sample : K5597-17
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQE6

Quant Time: Oct 30 04:36:19 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	370708	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	383499	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	217182	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	143131	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.58	69	123019	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.13	63	193430	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	3.94	46	385400	48.05	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.10%
24) Chloroform-d	4.40	84	301314	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.08	65	156979	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.10	84	630516	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.12	67	200060	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	550535	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.66	79	63149	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.13	63	264571	53.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.96%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	133946	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	227613	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

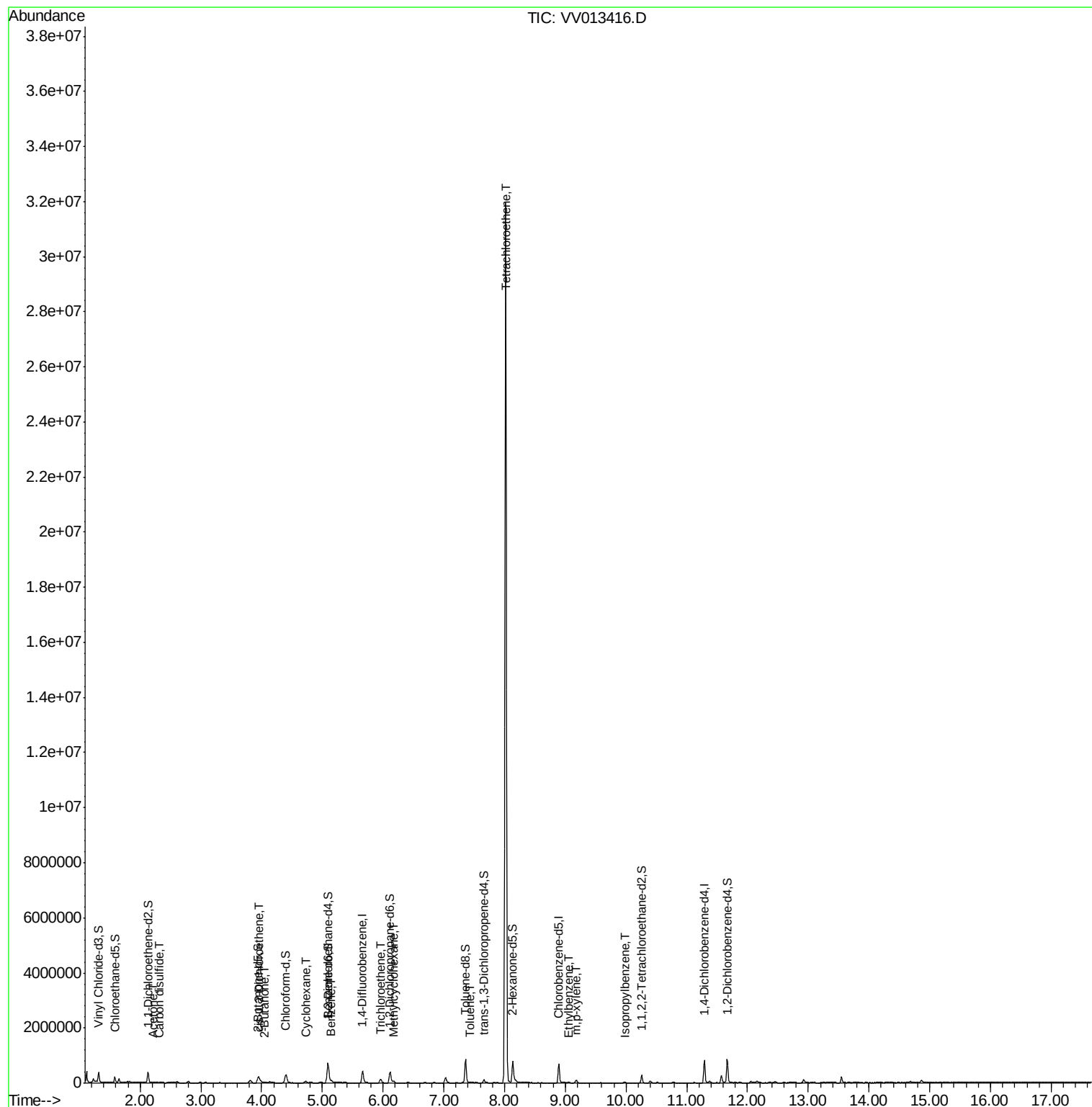
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.21	43	9020	2.302	ug/L	85
14) Carbon disulfide	2.32	76	7367	0.086	ug/L #	88
21) 2-Butanone	4.06	43	7179	0.841	ug/L #	71
22) cis-1,2-Dichloroethene	3.96	96	11419	0.300	ug/L #	97
30) Cyclohexane	4.72	56	32365	0.543	ug/L	98
33) Benzene	5.14	78	75889	0.530	ug/L	100
34) Trichloroethene	5.96	95	45468	1.156	ug/L	95
35) Methylcyclohexane	6.17	83	19888	0.339	ug/L	87
42) Toluene	7.43	91	18395	0.123	ug/L	98
47) Tetrachloroethene	8.02	164	7513561	225.416	ug/L	98
52) Ethylbenzene	9.05	91	10910	0.069	ug/L	95
53) m,p-xylene	9.18	106	30032	0.513	ug/L	83
56) Isopropylbenzene	9.97	105	15848	0.104	ug/L	96

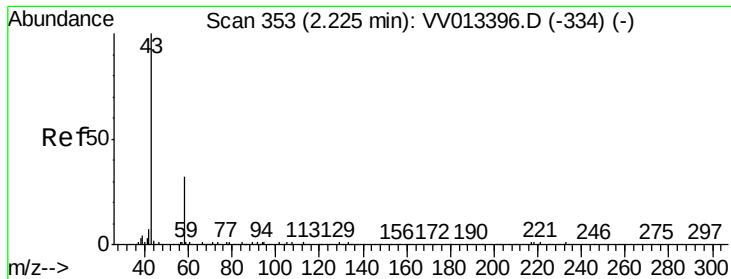
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 2.302 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

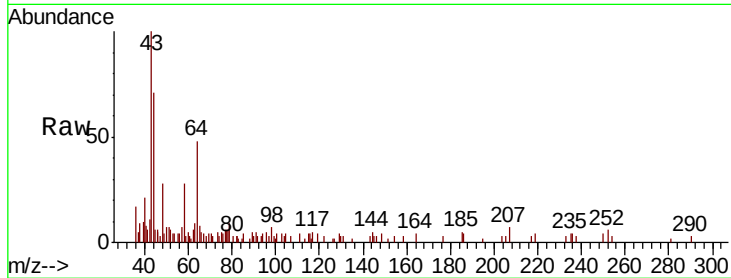
GAQE6

Tot Ion: 43 Resp: 9020

Ion Ratio Lower Upper

43 100

58 37.8 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VV013396.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV013396.D (-334) (-)

2.21

4000

3000

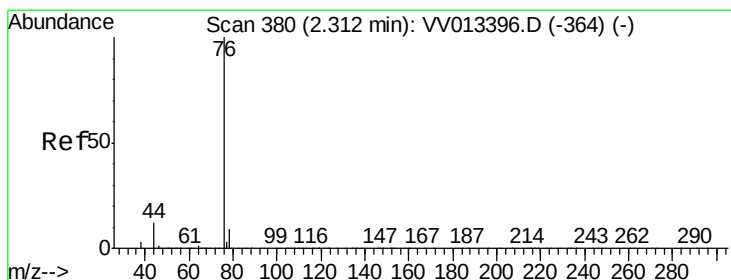
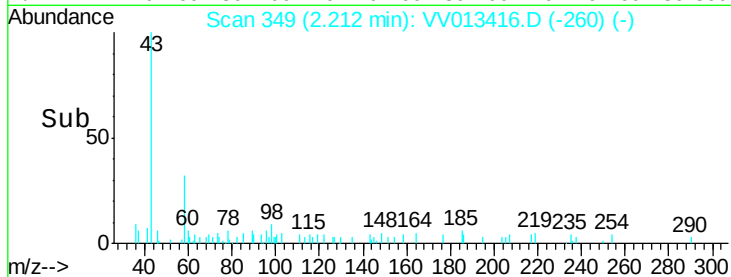
2000

1000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 0.086 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013416.D

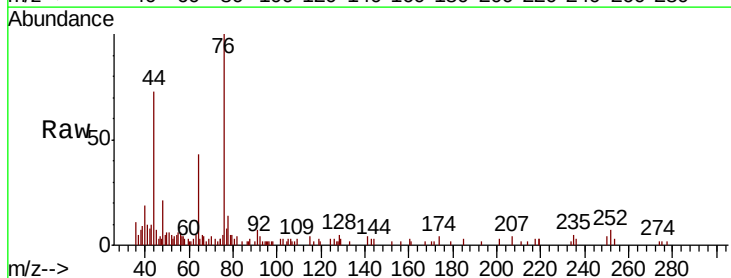
Acq: 30 Oct 2019 00:17

Tgt Ion: 76 Resp: 7367

Ion Ratio Lower Upper

76 100

78 13.7 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV013396.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VV013396.D (-364) (-)

2.32

6000

5000

4000

3000

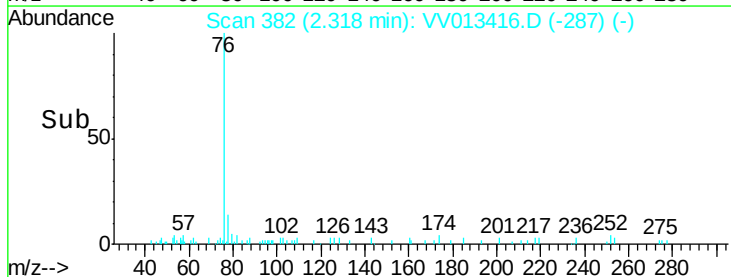
2000

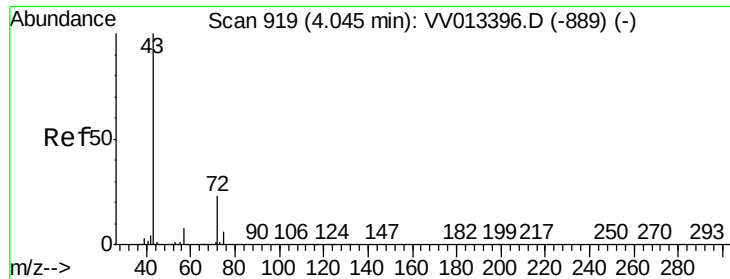
1000

0

Time-->

2.25 2.30 2.35





#21

2-Butanone

Concen: 0.841 ug/L

RT: 4.06 min Scan# 923

Delta R.T. 0.01 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

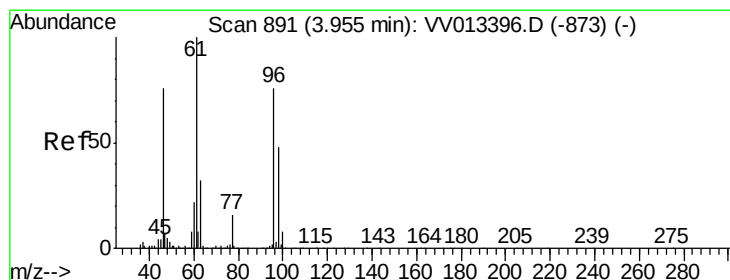
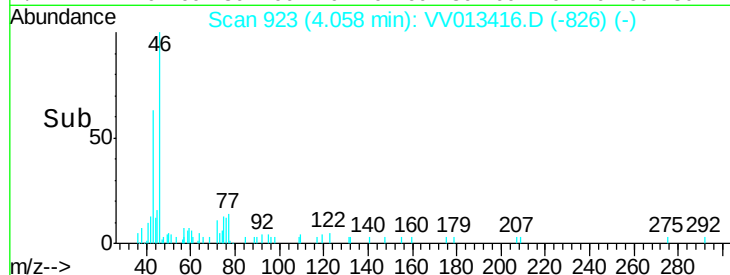
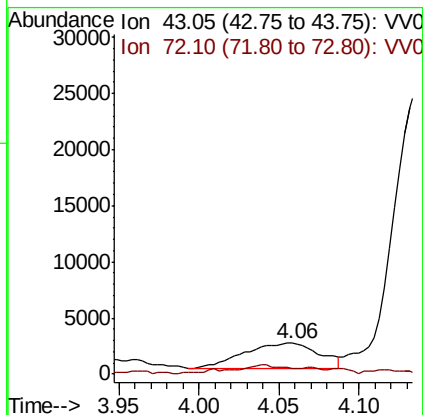
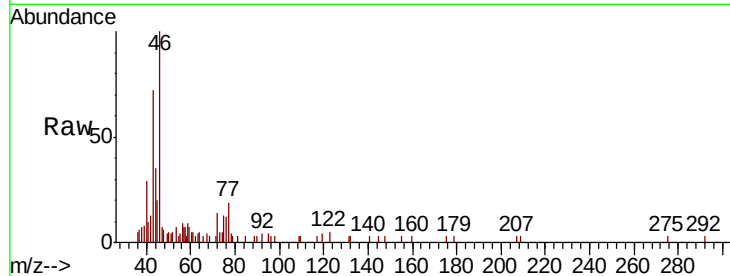
GAQE6

Tot Ion: 43 Resp: 7179

Ion Ratio Lower Upper

43 100

72 8.7 11.3 33.9#



#22

cis-1,2-Dichloroethene

Concen: 0.300 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

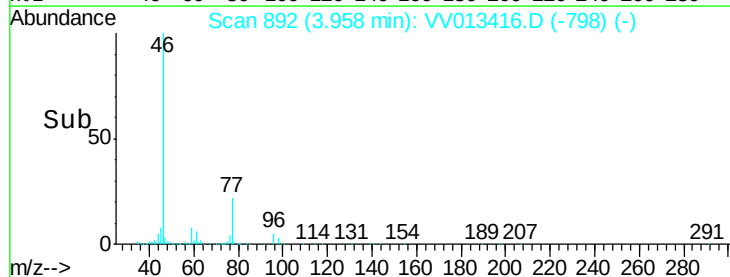
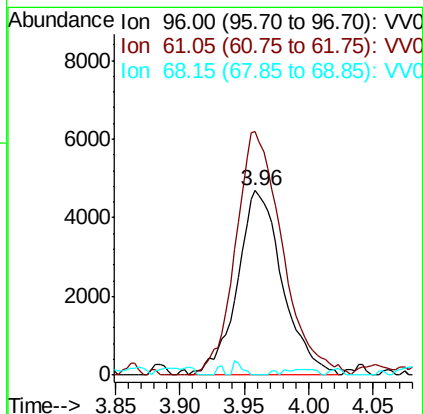
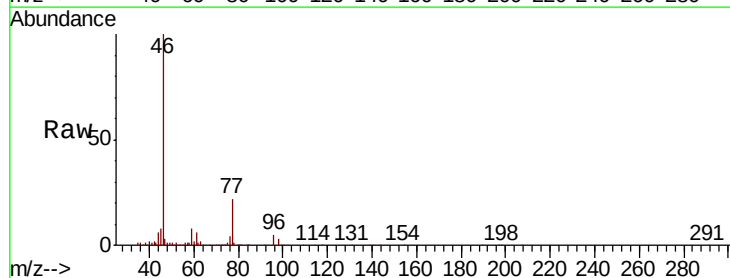
Tgt Ion: 96 Resp: 11419

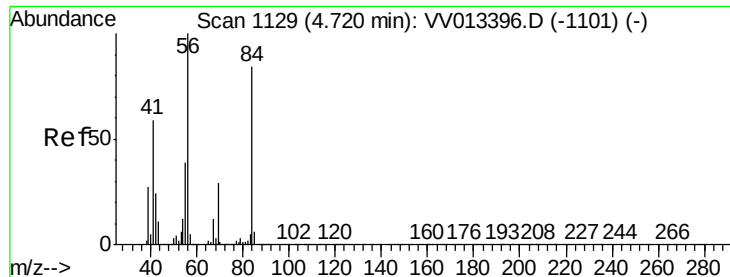
Ion Ratio Lower Upper

96 100

61 132.0 89.9 167.0

68 0.0 0.1 0.3#

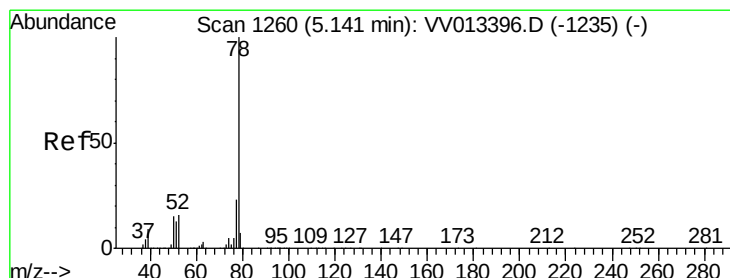
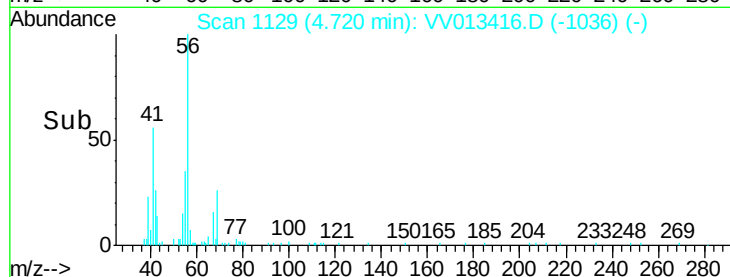
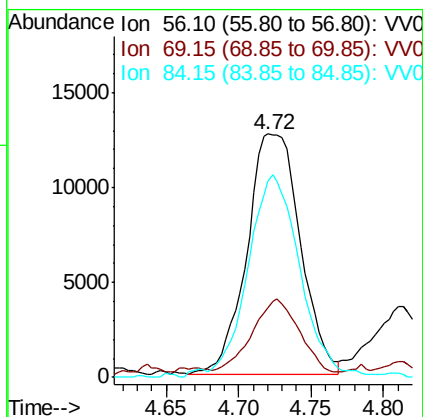
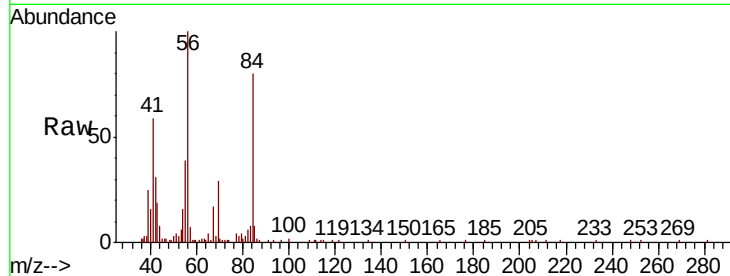




#30
Cyclohexane
Concen: 0.543 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV013416.D
Acq: 30 Oct 2019 00:17

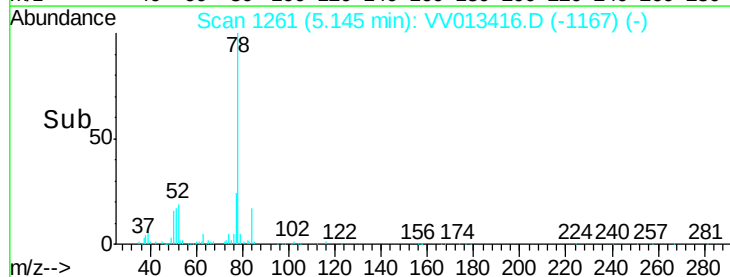
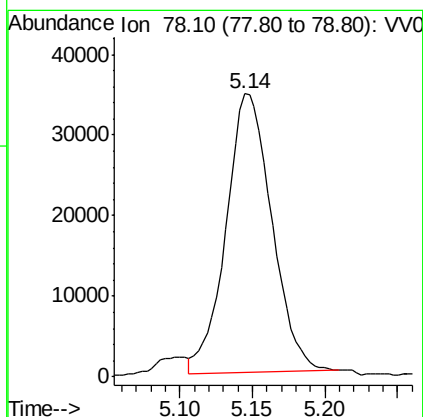
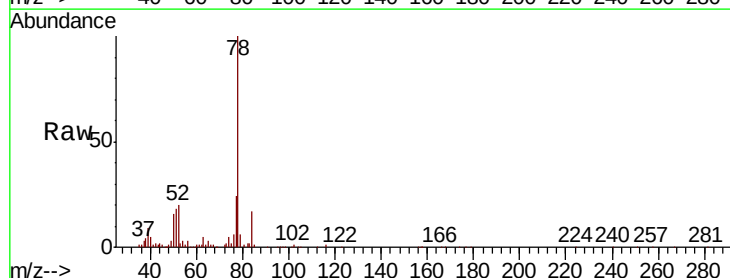
Instrument :
MSVOA_V
ClientSampleId :
GAQE6

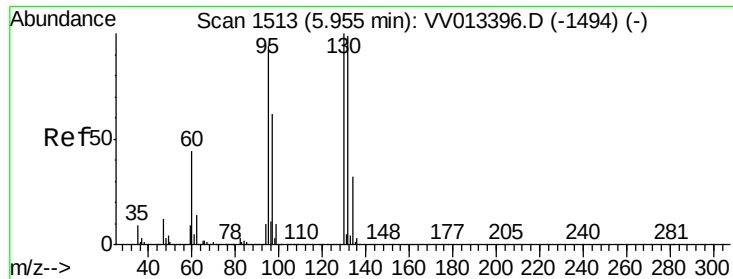
Tot Ion: 56 Resp: 32365
Ion Ratio Lower Upper
56 100
69 26.5 22.7 34.1
84 82.9 65.5 98.3



#33
Benzene
Concen: 0.530 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013416.D
Acq: 30 Oct 2019 00:17

Tgt Ion: 78 Resp: 75889





#34

Trichloroethene

Concen: 1.156 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

GAQE6

Tot Ion: 95 Resp: 45468

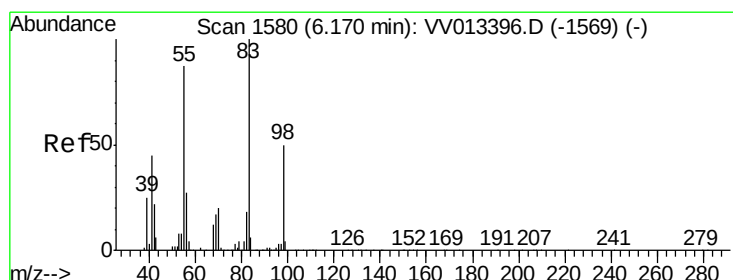
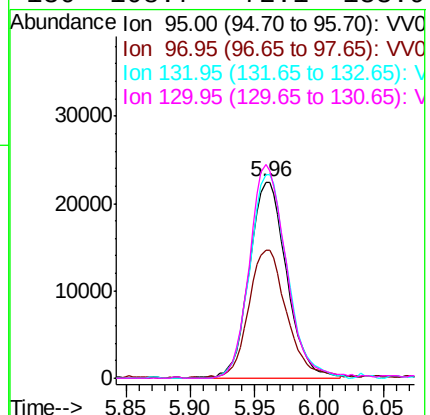
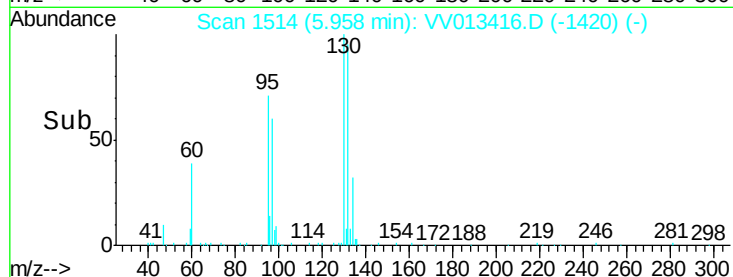
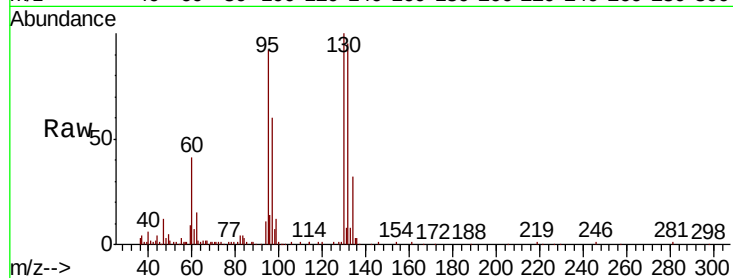
Ion Ratio Lower Upper

95 100

97 64.9 43.9 81.5

132 103.5 68.7 127.7

130 108.7 72.1 133.9



#35

Methylcyclohexane

Concen: 0.339 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

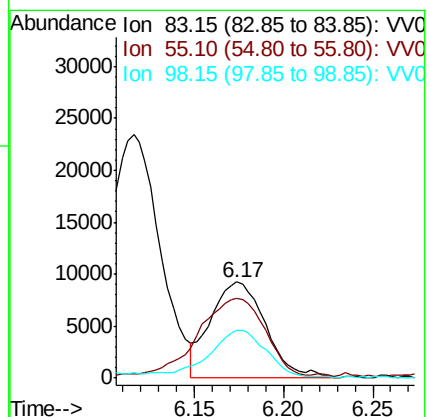
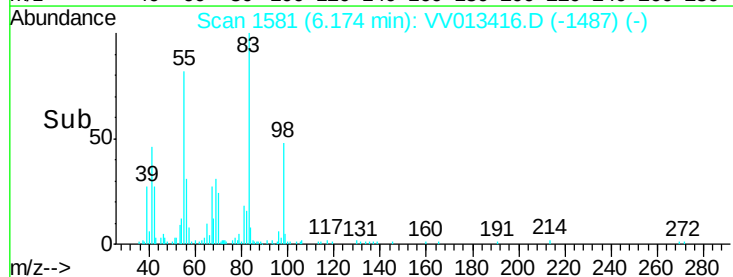
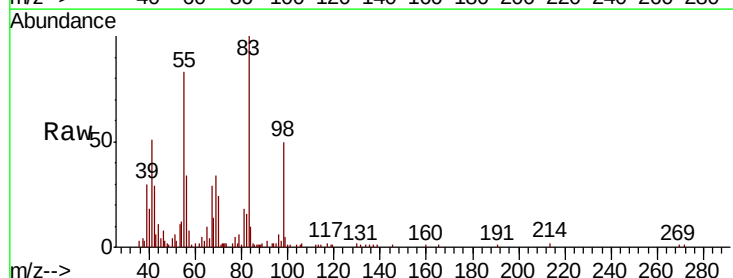
Tgt Ion: 83 Resp: 19888

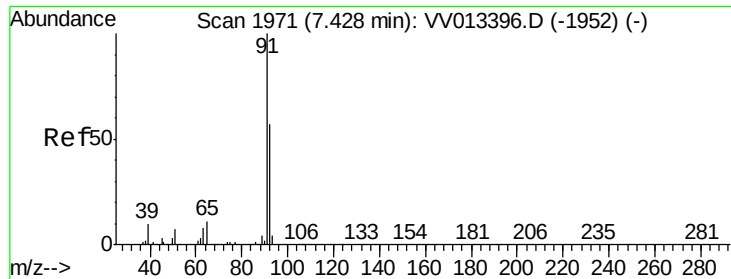
Ion Ratio Lower Upper

83 100

55 98.5 66.0 99.0

98 51.2 38.2 57.4





#42

Toluene

Concen: 0.123 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

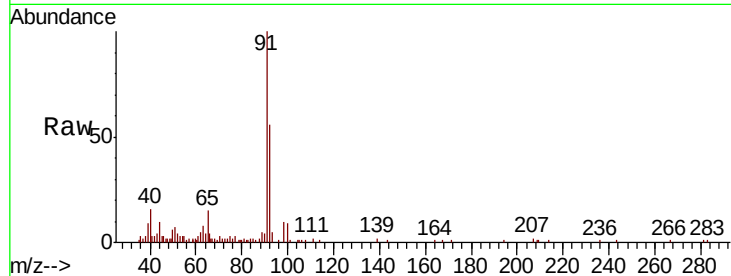
GAQE6

Tot Ion: 91 Resp: 18395

Ion Ratio Lower Upper

91 100

92 56.1 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) (-)

7.43

12000

10000

8000

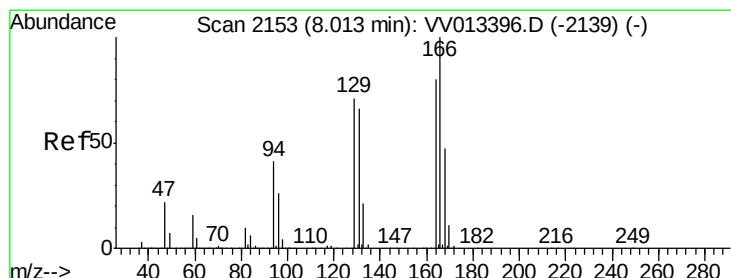
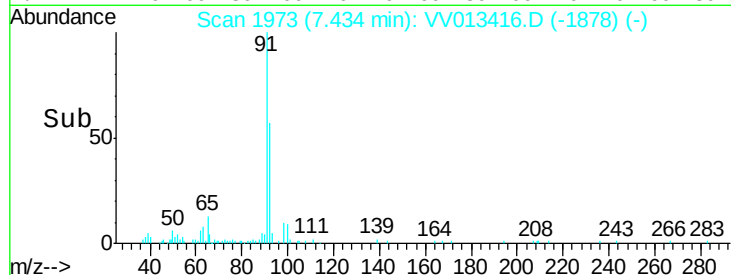
6000

4000

2000

0

Time-->



#47

Tetrachloroethene

Concen: 225.416 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.01 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Tgt Ion: 164 Resp: 7513561

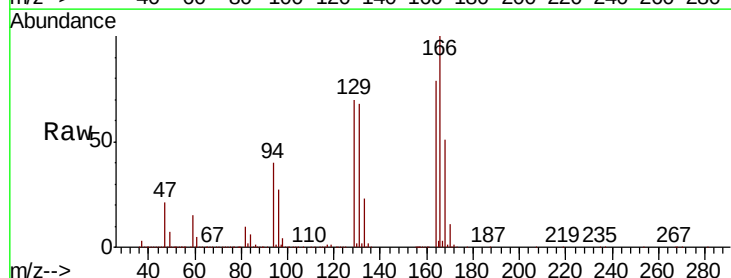
Ion Ratio Lower Upper

164 100

129 88.0 63.4 117.8

131 85.8 60.3 112.1

166 126.2 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) (-)

8000000

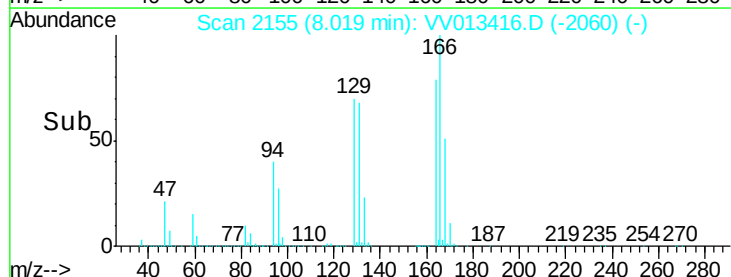
6000000

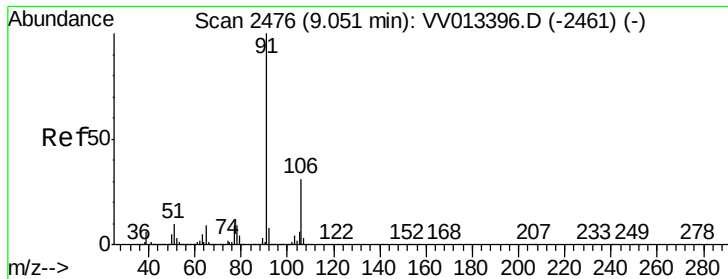
4000000

2000000

0

Time-->





#52

Ethylbenzene

Concen: 0.069 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

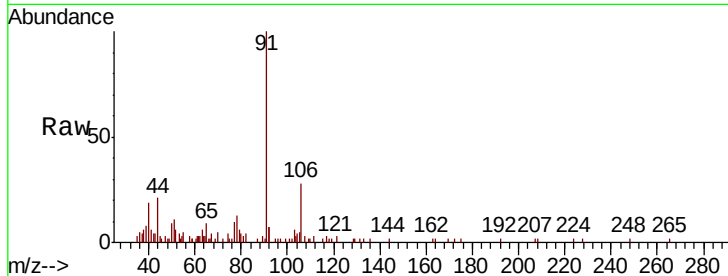
GAQE6

Tot Ion: 91 Resp: 10910

Ion Ratio Lower Upper

91 100

106 28.0 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV013396.D (-2461) (-)

Ion 106.15 (105.85 to 106.85): VV013396.D (-2461) (-)

9.05

6000

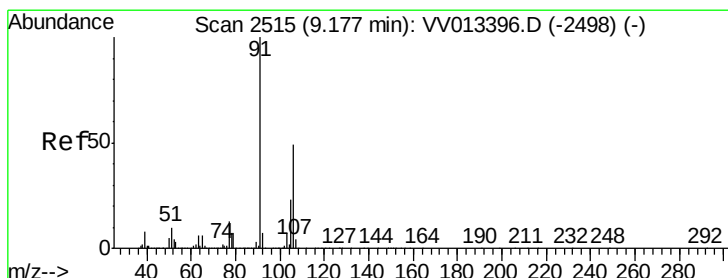
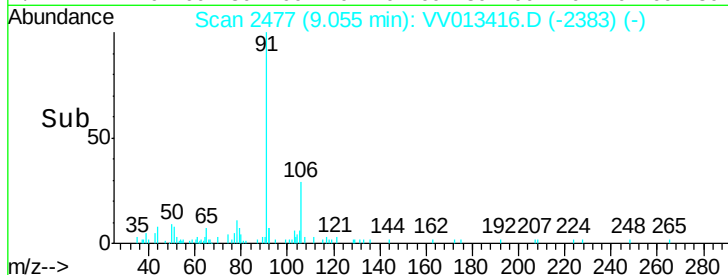
4000

2000

0

9.00 9.05 9.10

Time-->



#53

m,p-xylene

Concen: 0.513 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013416.D

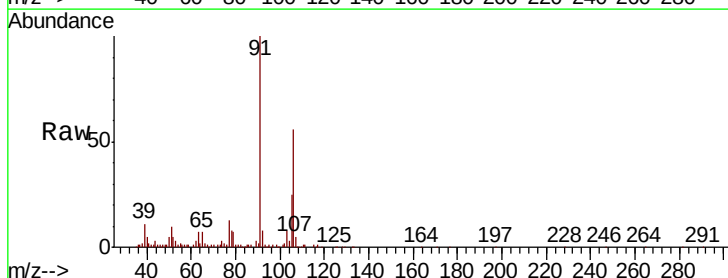
Acq: 30 Oct 2019 00:17

Tgt Ion: 106 Resp: 30032

Ion Ratio Lower Upper

106 100

91 180.1 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): VV013396.D (-2498) (-)

Ion 91.15 (90.85 to 91.85): VV013396.D (-2498) (-)

9.18

30000

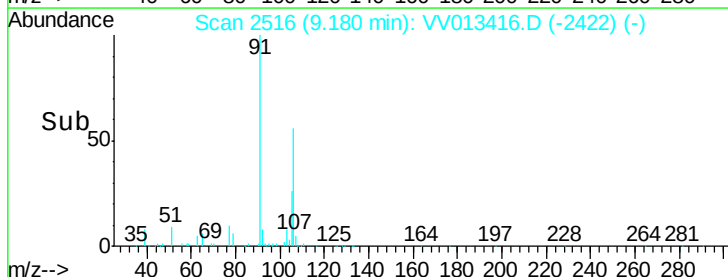
20000

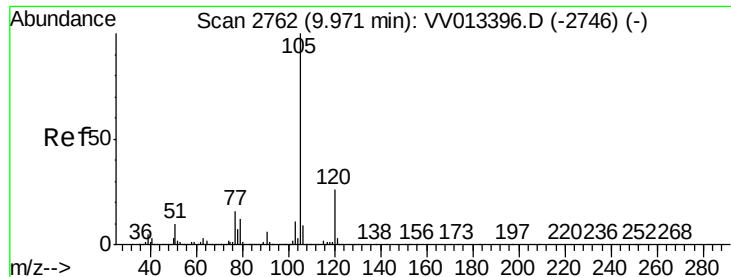
10000

0

9.10 9.15 9.20 9.25

Time-->





#56

Isopropylbenzene

Concen: 0.104 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013416.D

Acq: 30 Oct 2019 00:17

Instrument :

MSVOA_V

ClientSampleId :

GAQE6

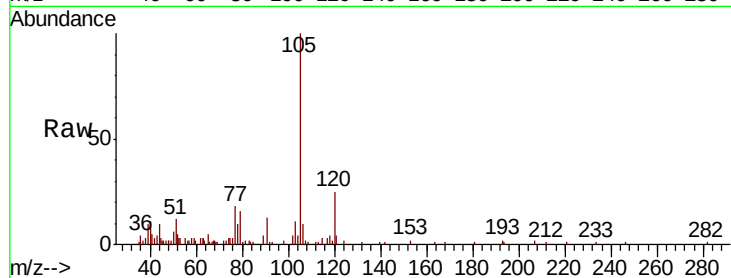
Tot Ion:105 Resp: 15848

Ion Ratio Lower Upper

105 100

120 28.6 21.0 31.6

77 17.6 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

