

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\
 Data File : VV013421.D
 Acq On : 30 Oct 2019 02:17
 Operator : SY/MD
 Sample : K5597-04 100X
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD5

Quant Time: Oct 30 04:58:14 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	385049	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	392186	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	233916	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	146789	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.58	69	127559	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.13	63	188971	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	3.96	46	402707	48.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.68%
24) Chloroform-d	4.40	84	311737	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.08	65	159227	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	5.10	84	641615	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.12	67	202126	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.36	98	589860	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.66	79	73829	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.13	63	257710	50.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	142490	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	228798	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

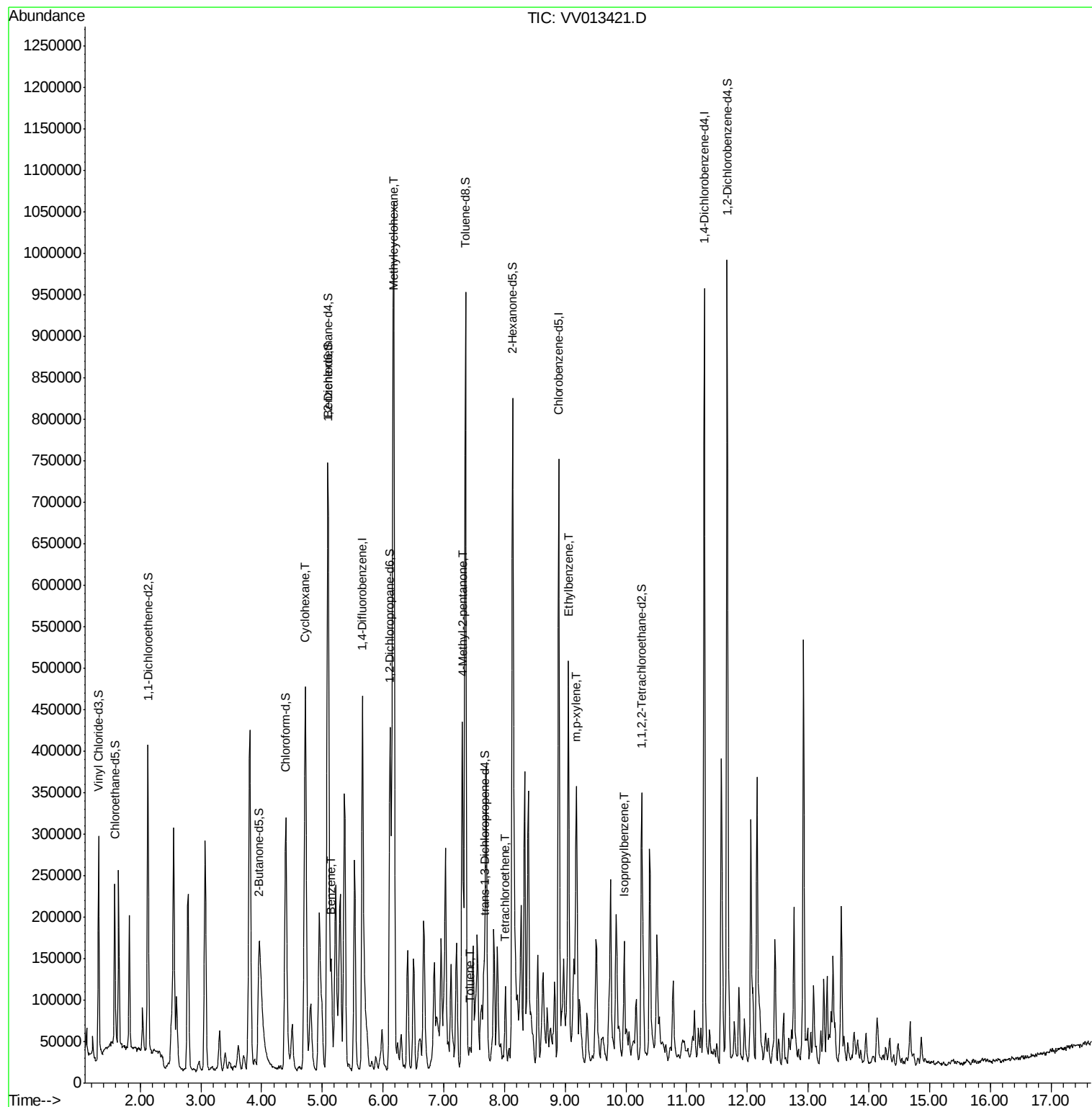
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
30) Cyclohexane	4.72	56	221053	3.623	ug/L	97
33) Benzene	5.14	78	128650	0.878	ug/L	100
35) Methylcyclohexane	6.17	83	419945	6.998	ug/L	93
40) 4-Methyl-2-pentanone	7.30	43	21201	1.016	ug/L #	46
42) Toluene	7.43	91	10486	0.069	ug/L	86
47) Tetrachloroethene	8.02	164	19651	0.576	ug/L	97
52) Ethylbenzene	9.05	91	309487	1.910	ug/L	99
53) m,p-xylene	9.18	106	63232	1.057	ug/L	99
56) Isopropylbenzene	9.97	105	79546	0.510	ug/L	96

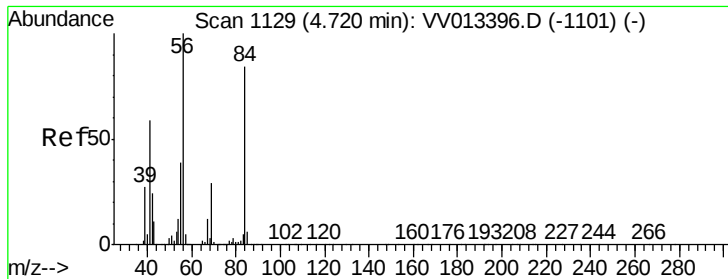
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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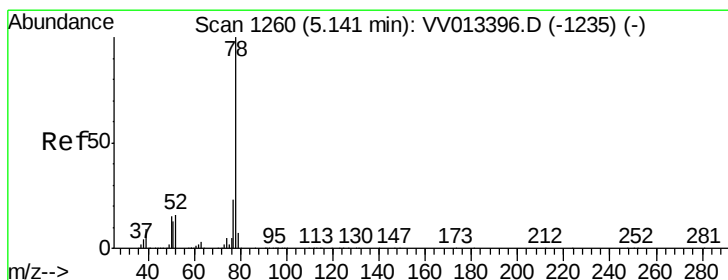
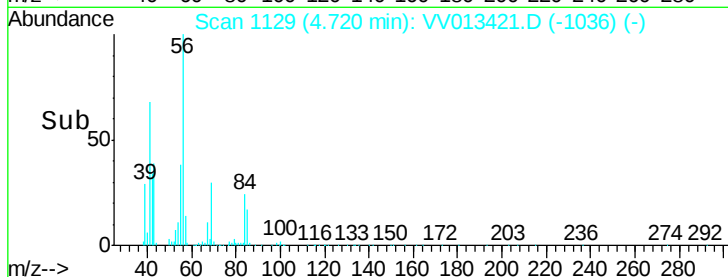
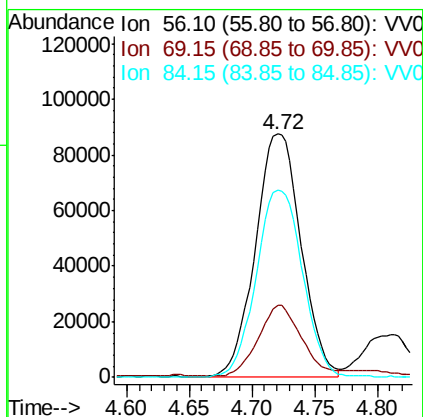
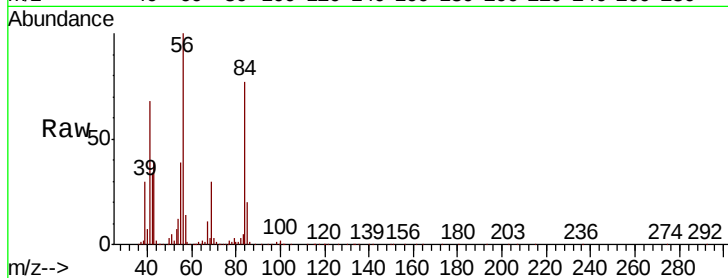




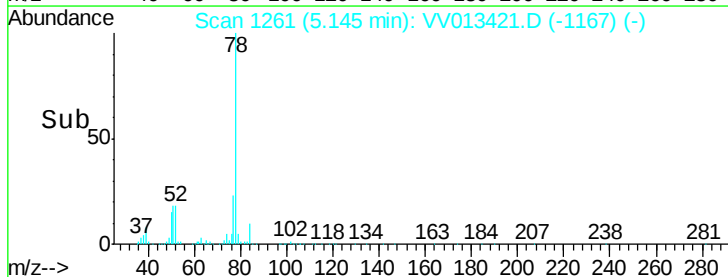
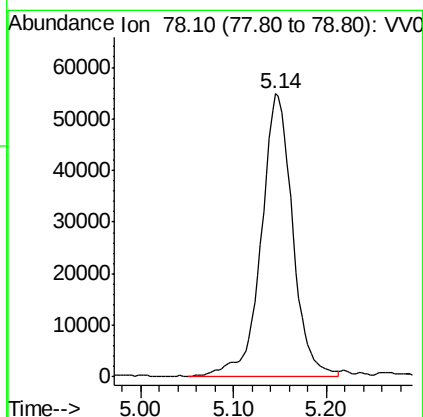
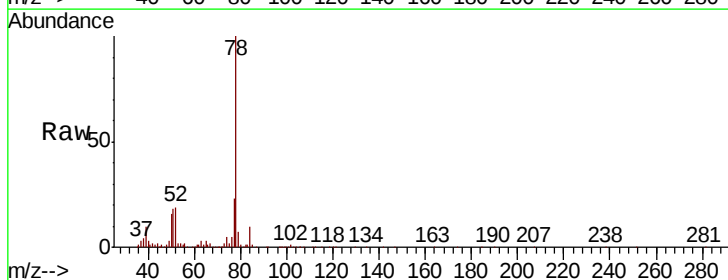
#30
Cyclohexane
Concen: 3.623 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV013421.D
Acq: 30 Oct 2019 02:17

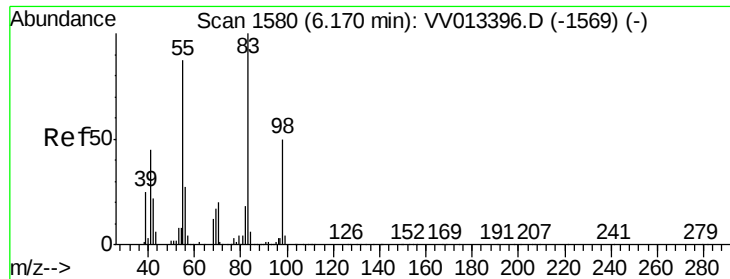
Instrument :
MSVOA_V
ClientSampleId :
GAQD5

Tot Ion: 56 Resp: 221053
Ion Ratio Lower Upper
56 100
69 28.2 22.7 34.1
84 78.5 65.5 98.3



#33
Benzene
Concen: 0.878 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013421.D
Acq: 30 Oct 2019 02:17
Tgt Ion: 78 Resp: 128650

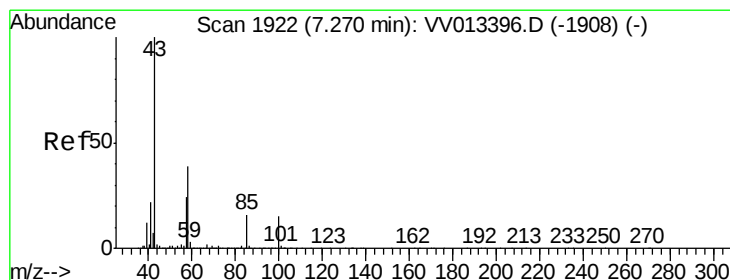
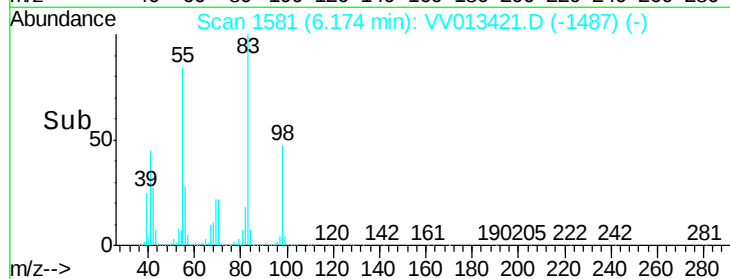
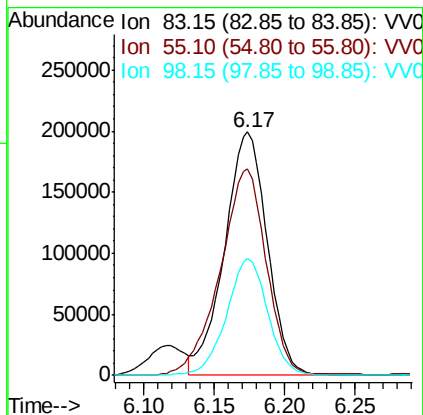
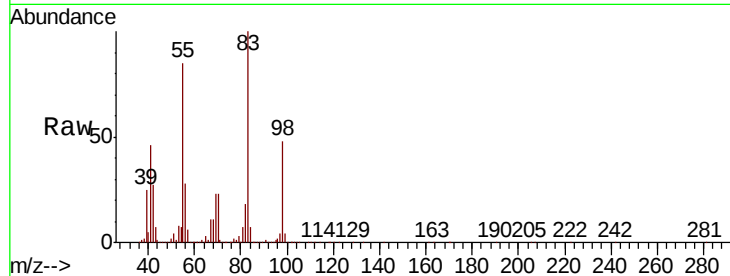




#35
Methvlcvclohexane
Concen: 6.998 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV013421.D
Acq: 30 Oct 2019 02:17

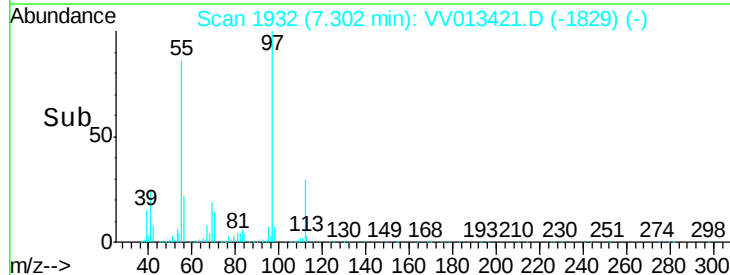
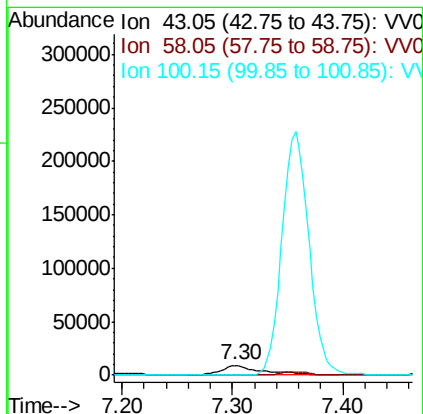
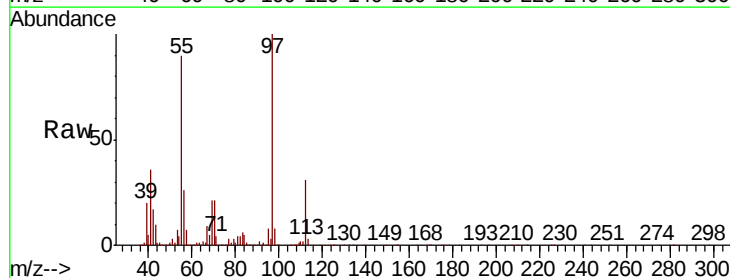
Instrument :
MSVOA_V
ClientSampled :
GAQD5

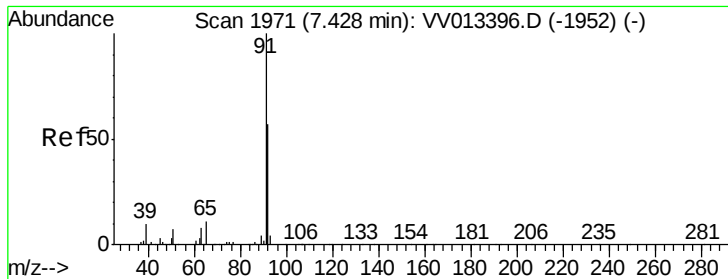
Tot Ion: 83 Resp: 419945
Ion Ratio Lower Upper
83 100
55 91.8 66.0 99.0
98 46.7 38.2 57.4



#40
4-Methyl-2-pentanone
Concen: 1.016 ug/L
RT: 7.30 min Scan# 1932
Delta R.T. 0.03 min
Lab File: VV013421.D
Acq: 30 Oct 2019 02:17

Tgt Ion: 43 Resp: 21201
Ion Ratio Lower Upper
43 100
58 0.9 29.8 44.8#
100 0.0 11.6 17.4#





#42

Toluene

Concen: 0.069 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV013421.D

Acq: 30 Oct 2019 02:17

Instrument :

MSVOA_V

ClientSampleId :

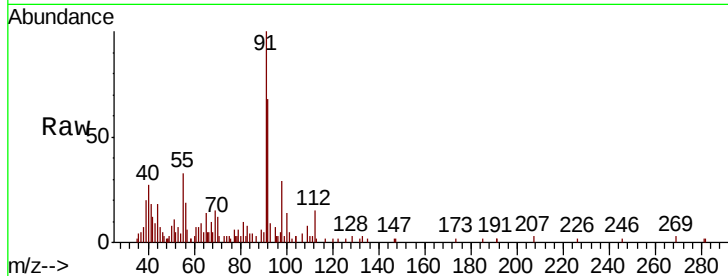
GAQD5

Tot Ion: 91 Resp: 10486

Ion Ratio Lower Upper

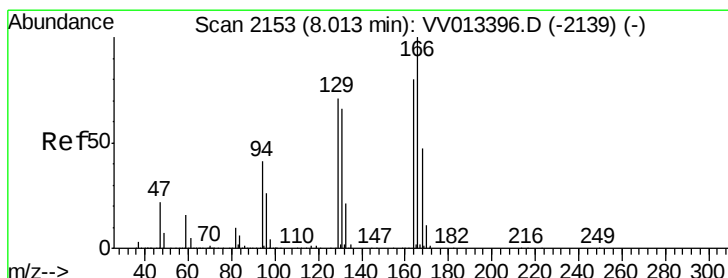
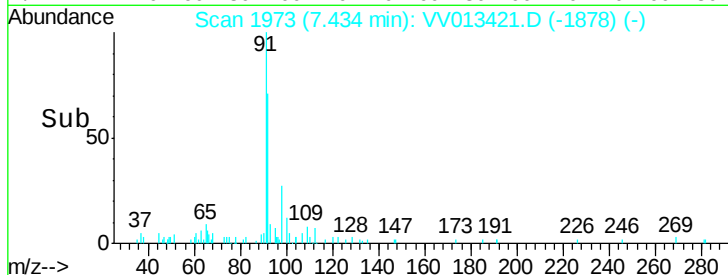
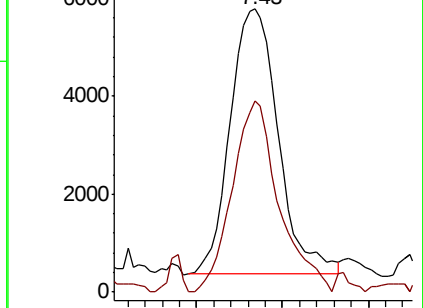
91 100

92 67.7 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: 0.576 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013421.D

Acq: 30 Oct 2019 02:17

Tgt Ion: 164 Resp: 19651

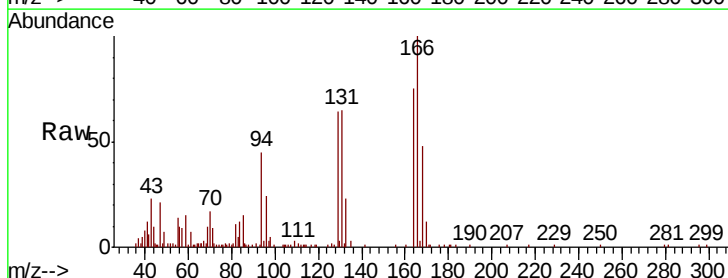
Ion Ratio Lower Upper

164 100

129 84.6 63.4 117.8

131 85.6 60.3 112.1

166 132.5 90.8 168.6

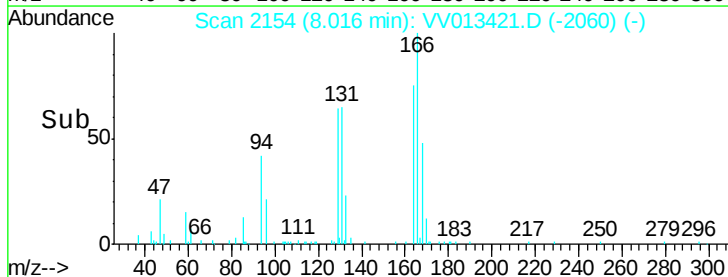
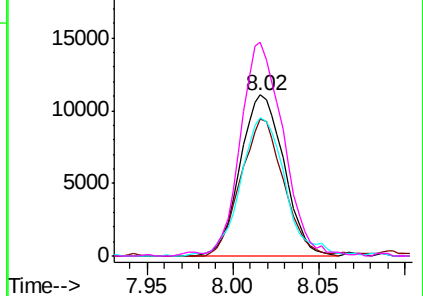


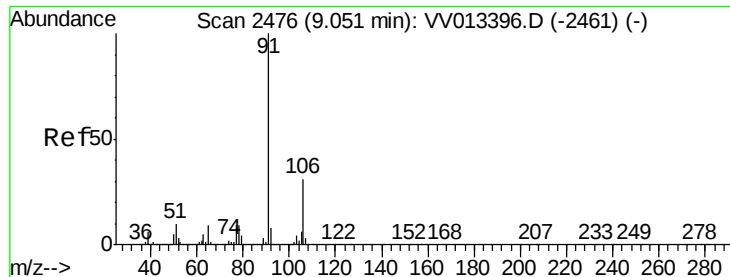
Abundance Ion 163.90 (163.60 to 164.60): VV013396.D (-2139) (-)

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) (-)





#52

Ethylbenzene

Concen: 1.910 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013421.D

Acq: 30 Oct 2019 02:17

Instrument :

MSVOA_V

ClientSampleId :

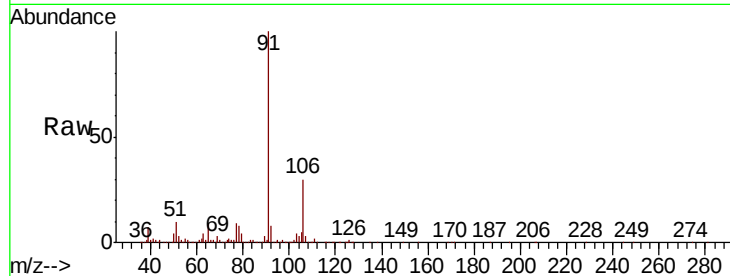
GAQD5

Tot Ion: 91 Resp: 309487

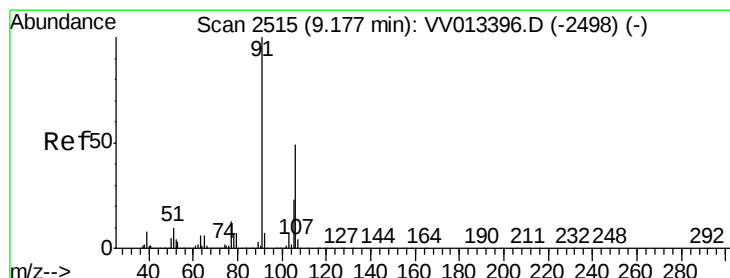
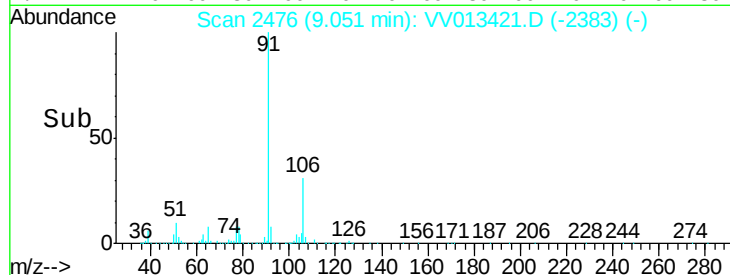
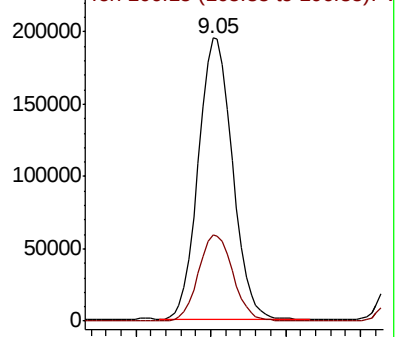
Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



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



#53

m,p-xylene

Concen: 1.057 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013421.D

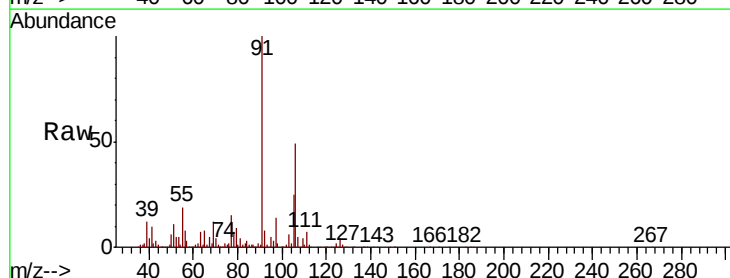
Acq: 30 Oct 2019 02:17

Tgt Ion: 106 Resp: 63232

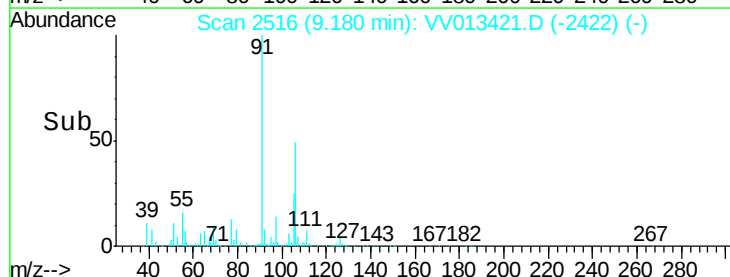
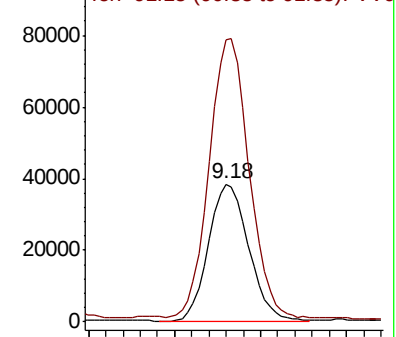
Ion Ratio Lower Upper

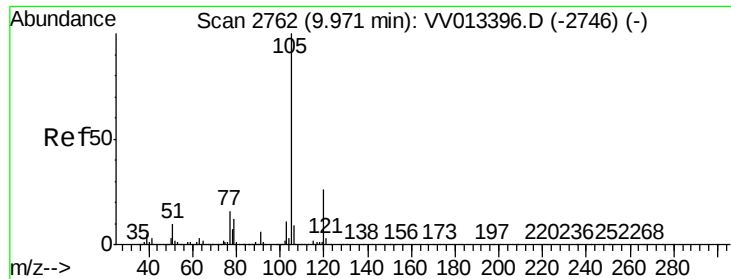
106 100

91 204.9 144.3 267.9



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





#56

Isopropylbenzene

Concen: 0.510 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013421.D

Acq: 30 Oct 2019 02:17

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ClientSampleId :

GAQD5

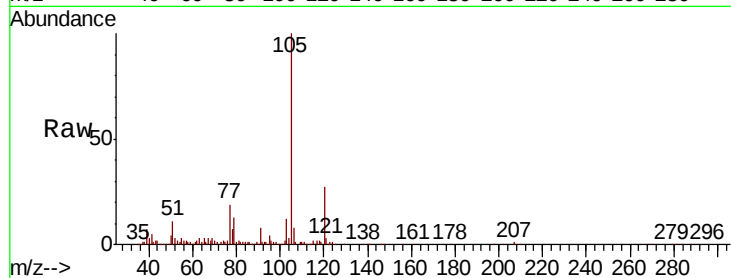
Tot Ion:105 Resp: 79546

Ion Ratio Lower Upper

105 100

120 28.3 21.0 31.6

77 17.7 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

