

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\
 Data File : VV013401.D
 Acq On : 29 Oct 2019 17:53
 Operator : SY/MD
 Sample : K5597-08
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD9

Quant Time: Oct 30 02:50:38 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	338400	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	361502	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	179281	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	158693	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.58	69	129300	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.13	63	199144	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.20%
20) 2-Butanone-d5	3.95	46	395458	54.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.02%
24) Chloroform-d	4.40	84	301781	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.08	65	163439	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.10	84	635478	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.12	67	200132	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.36	98	526965	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.66	79	66732	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.13	63	220015	47.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	127450	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	201363	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

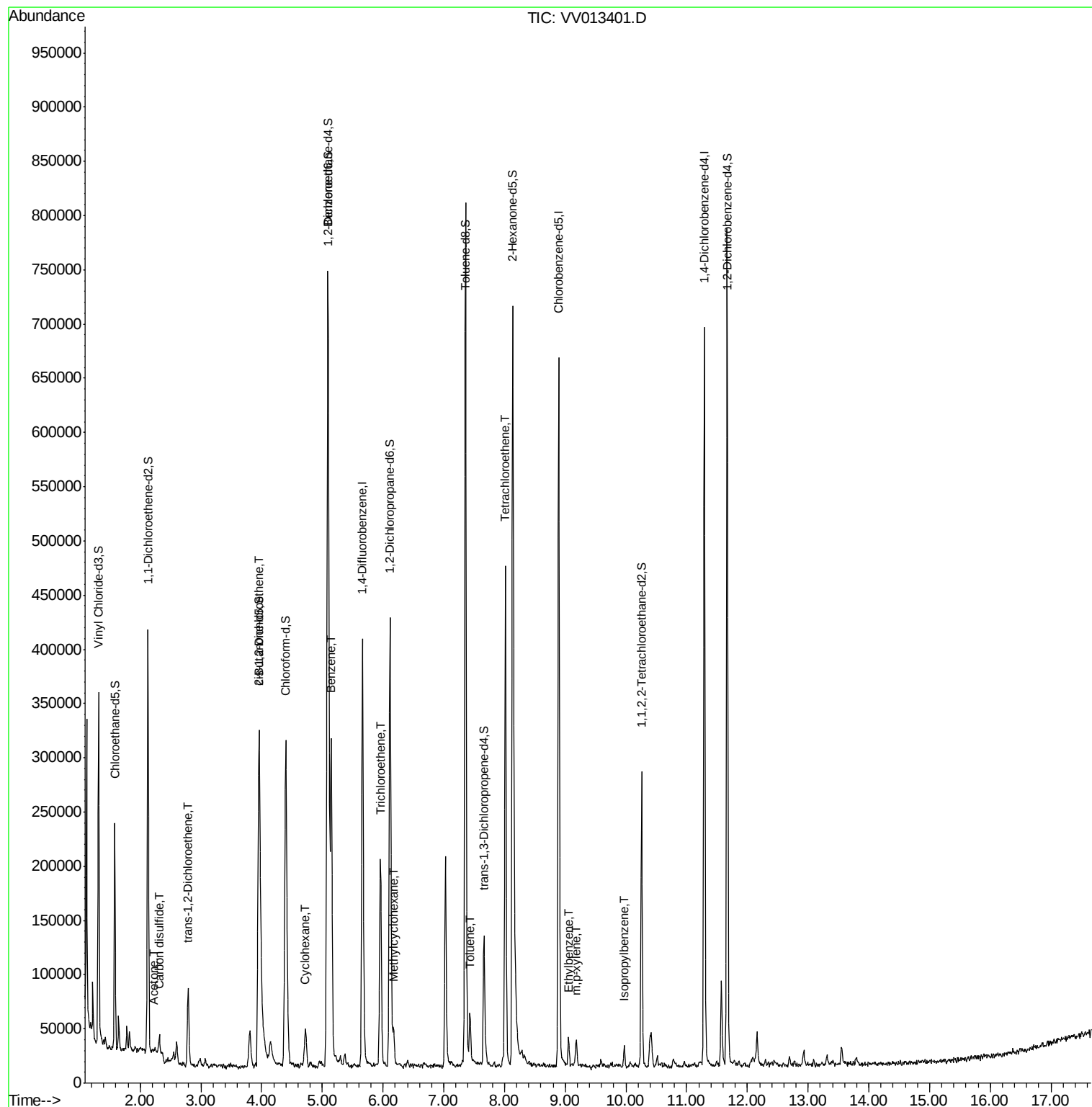
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.23	43	7115	1.989	ug/L	70
14) Carbon disulfide	2.32	76	19758	0.252	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	23103	0.670	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	82656	2.378	ug/L #	98
30) Cyclohexane	4.72	56	16230	0.289	ug/L	89
33) Benzene	5.14	78	295852	2.190	ug/L	100
34) Trichloroethene	5.96	95	65314	1.761	ug/L	98
35) Methylcyclohexane	6.17	83	11348	0.205	ug/L	85
42) Toluene	7.43	91	34195	0.243	ug/L	98
47) Tetrachloroethene	8.02	164	108950	3.468	ug/L	98
52) Ethylbenzene	9.05	91	18698	0.125	ug/L	93
53) m,p-xylene	9.18	106	7083	0.128	ug/L	94
56) Isopropylbenzene	9.97	105	11590	0.081	ug/L #	95

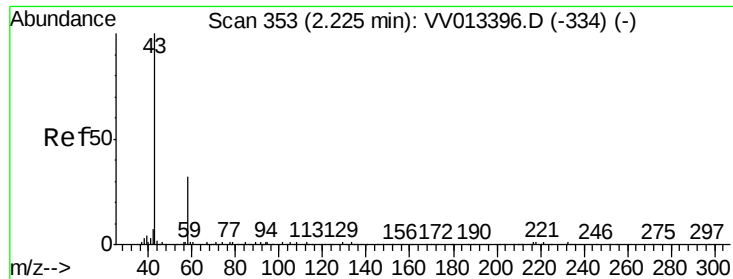
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 1.989 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

Instrument :

MSVOA_V

ClientSampleId :

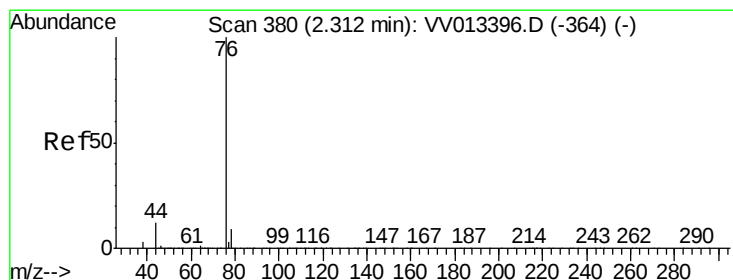
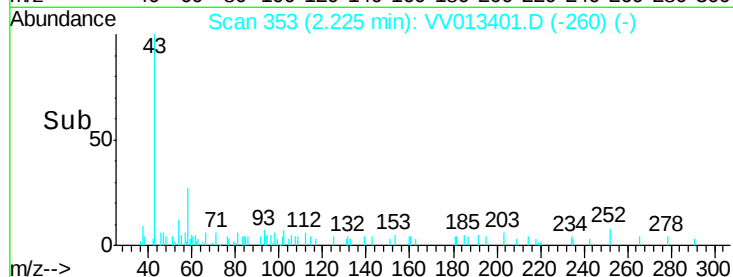
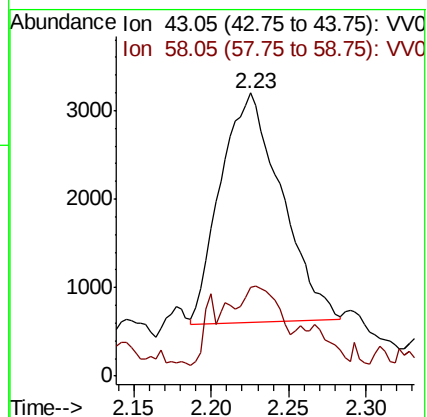
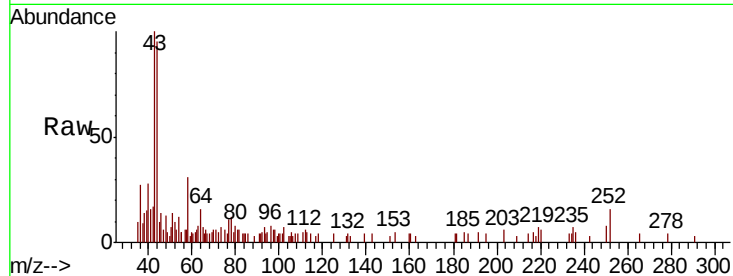
GAQD9

Tot Ion: 43 Resp: 7115

Ion Ratio Lower Upper

43 100

58 13.1 0.0 59.0



#14

Carbon disulfide

Concen: 0.252 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013401.D

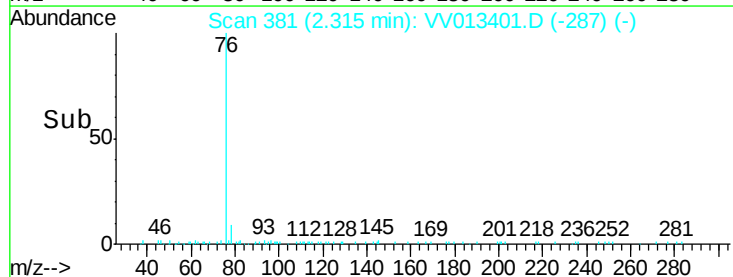
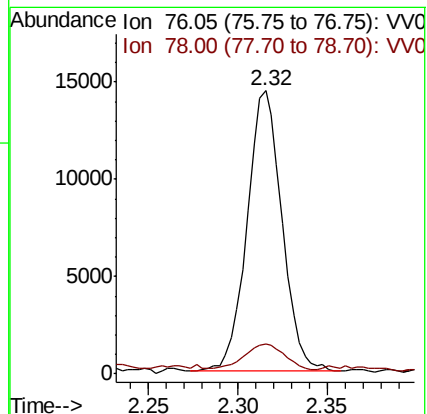
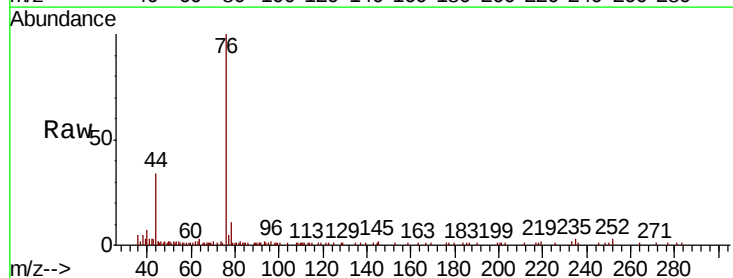
Acq: 29 Oct 2019 17:53

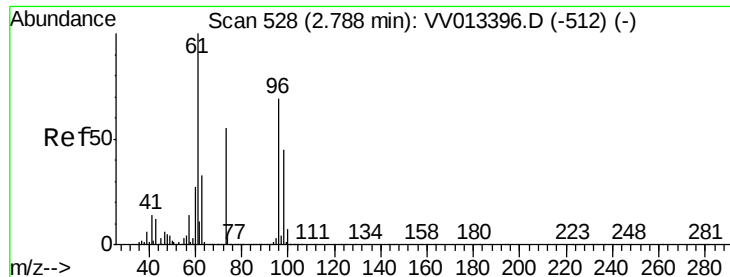
Tgt Ion: 76 Resp: 19758

Ion Ratio Lower Upper

76 100

78 10.7 7.5 11.3





#18

trans-1,2-Dichloroethene

Concen: 0.670 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

Instrument :

MSVOA_V

ClientSampleId :

GAQD9

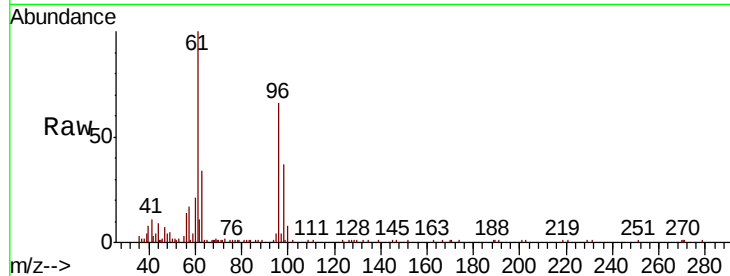
Tot Ion: 96 Resp: 23103

Ion Ratio Lower Upper

96 100

61 151.7 100.1 185.9

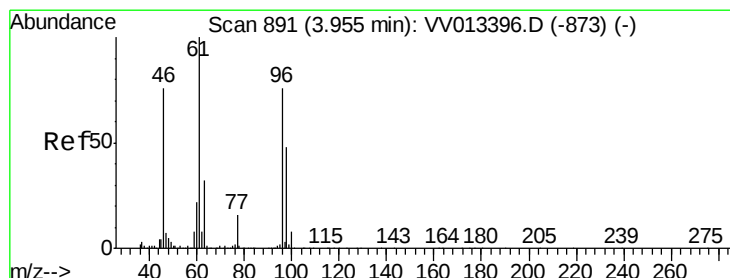
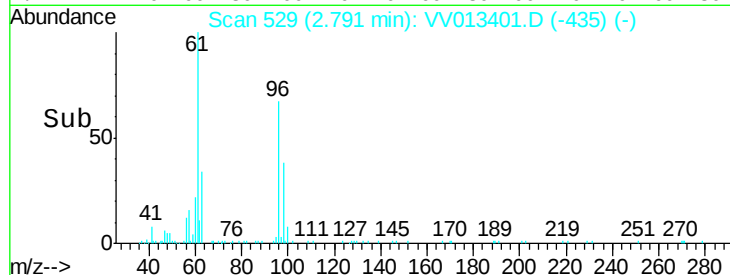
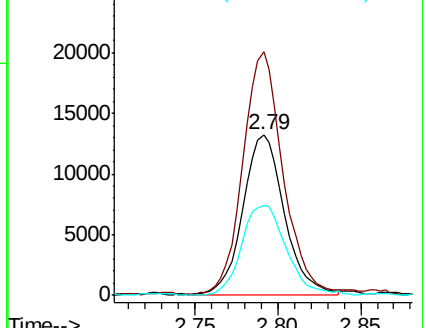
98 56.3 44.2 82.0



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: 2.378 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

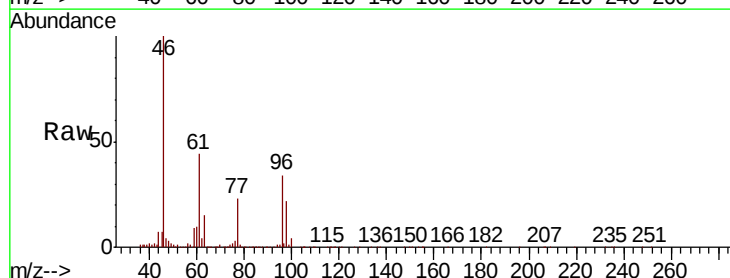
Tgt Ion: 96 Resp: 82656

Ion Ratio Lower Upper

96 100

61 126.4 89.9 167.0

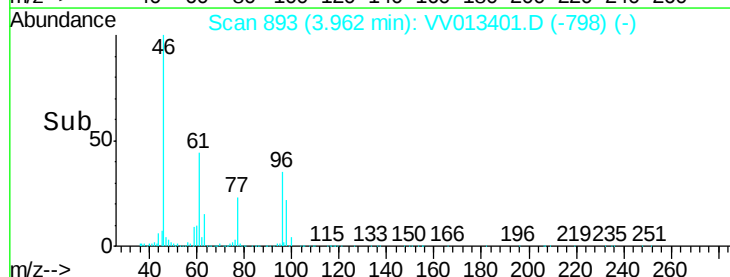
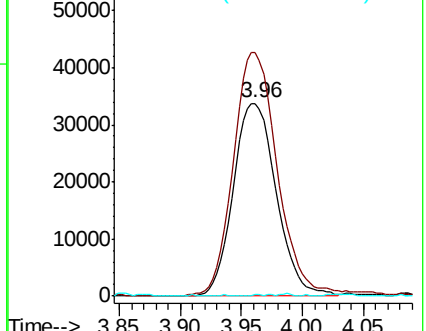
68 0.6 0.1 0.3#

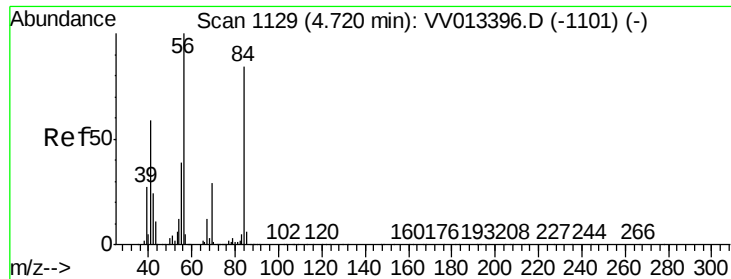


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

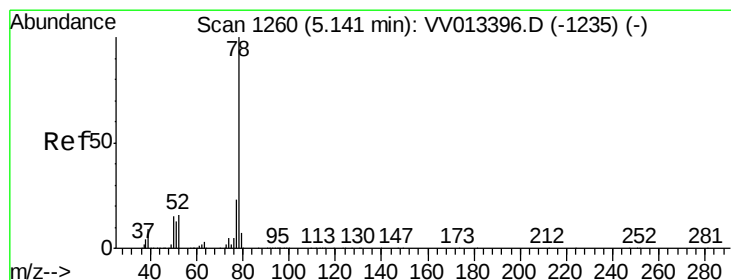
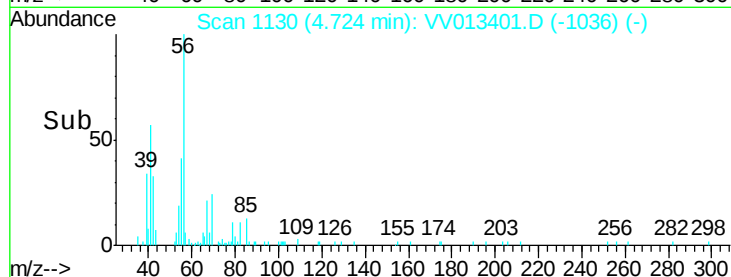
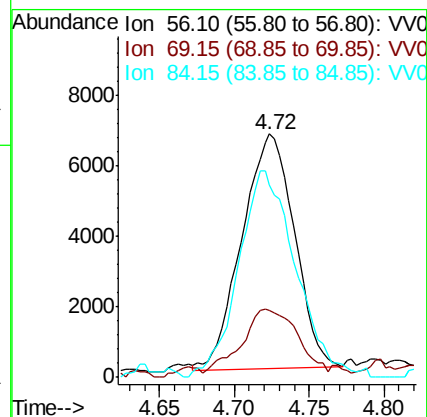
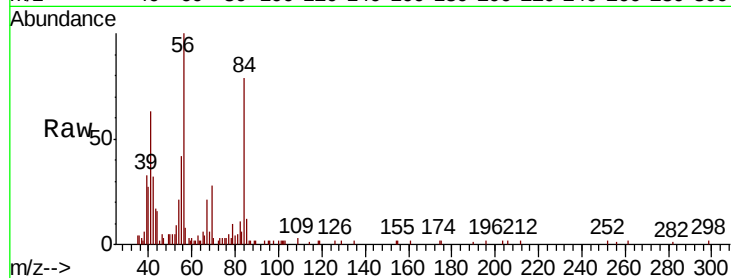




#30
Cyclohexane
Concen: 0.289 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013401.D
Acq: 29 Oct 2019 17:53

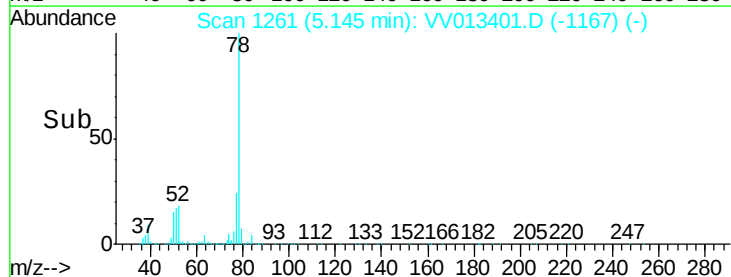
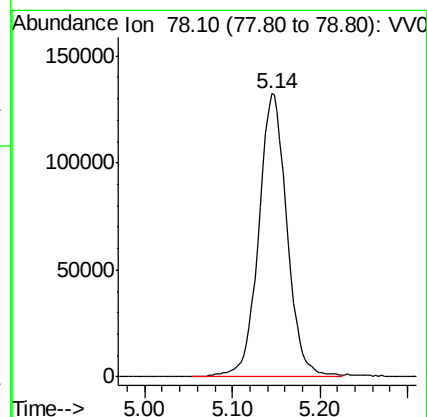
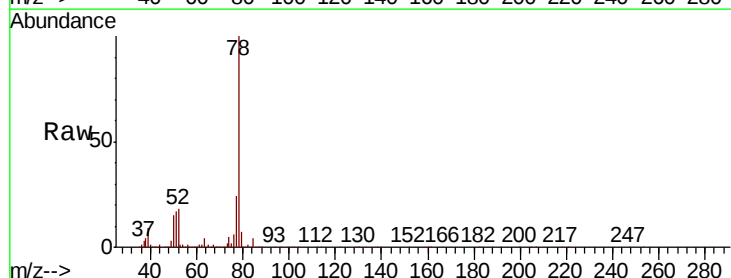
Instrument :
MSVOA_V
ClientSampleId :
GAQD9

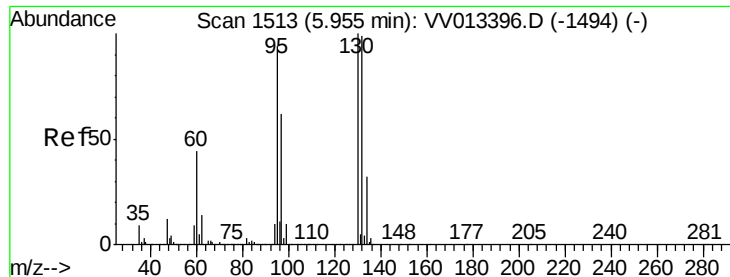
Tot Ion: 56 Resp: 16230
Ion Ratio Lower Upper
56 100
69 28.2 22.7 34.1
84 95.6 65.5 98.3



#33
Benzene
Concen: 2.190 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013401.D
Acq: 29 Oct 2019 17:53

Tgt Ion: 78 Resp: 295852

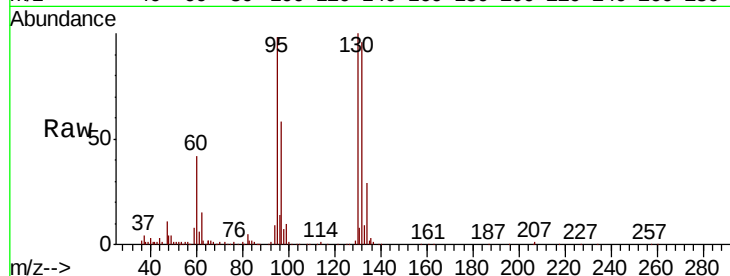




#34
 Trichloroethene
 Concen: 1.761 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013401.D
 Acq: 29 Oct 2019 17:53

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD9

Tot Ion:	95	Resp:	65314
Ion	Ratio	Lower	Upper
95	100		
97	58.7	43.9	81.5
132	98.0	68.7	127.7
130	101.6	72.1	133.9

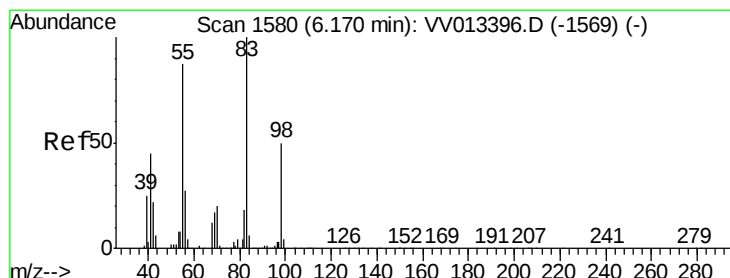
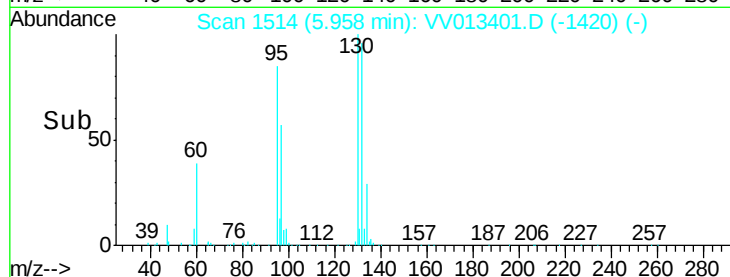
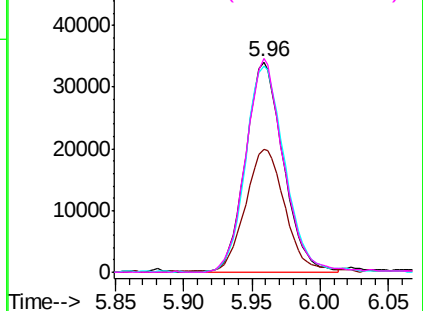


Abundance Ion 95.00 (94.70 to 95.70): VV013396.D (-1494) (-)

Ion 96.95 (96.65 to 97.65): VV013396.D (-1494) (-)

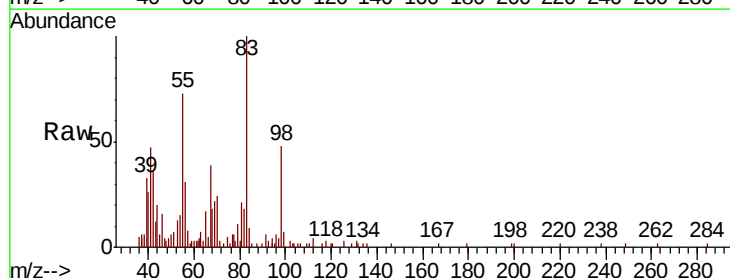
Ion 131.95 (131.65 to 132.65): VV013396.D (-1494) (-)

Ion 129.95 (129.65 to 130.65): VV013396.D (-1494) (-)



#35
 Methylcyclohexane
 Concen: 0.205 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013401.D
 Acq: 29 Oct 2019 17:53

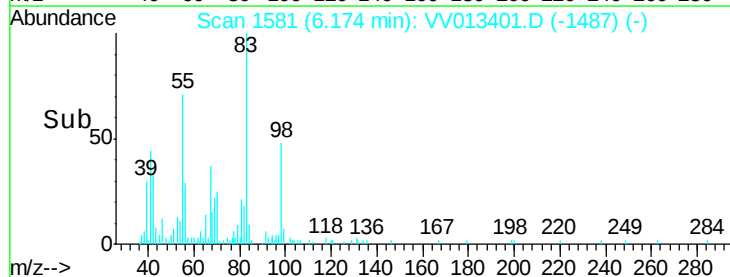
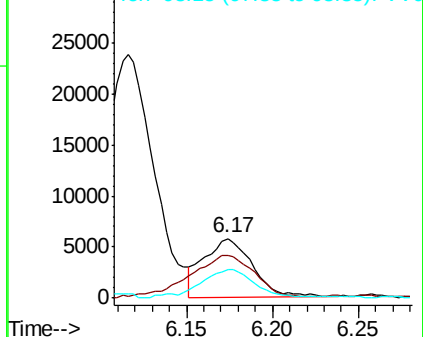
Tgt Ion:	83	Resp:	11348
Ion	Ratio	Lower	Upper
83	100		
55	98.1	66.0	99.0
98	54.8	38.2	57.4

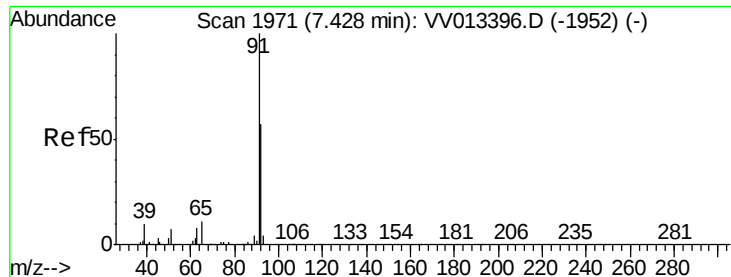


Abundance Ion 83.15 (82.85 to 83.85): VV013396.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV013396.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV013396.D (-1569) (-)





#42

Toluene

Concen: 0.243 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

Instrument :

MSVOA_V

ClientSampleId :

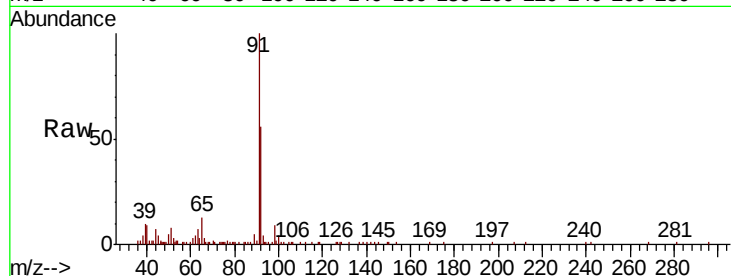
GAQD9

Tot Ion: 91 Resp: 34195

Ion Ratio Lower Upper

91 100

92 56.3 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

20000

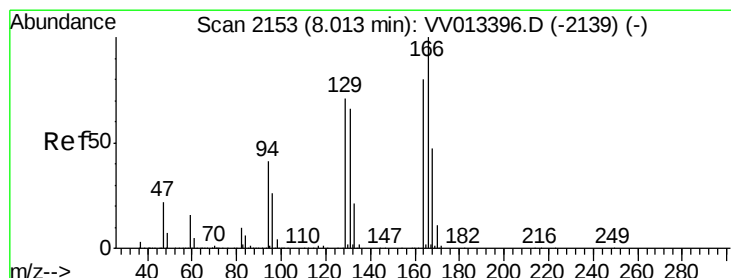
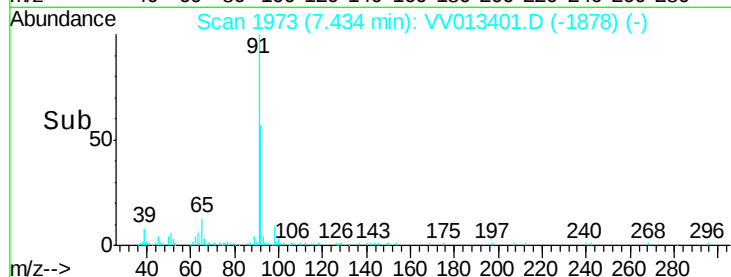
15000

10000

5000

0

Time-->



#47

Tetrachloroethene

Concen: 3.468 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

Tgt Ion: 164 Resp: 108950

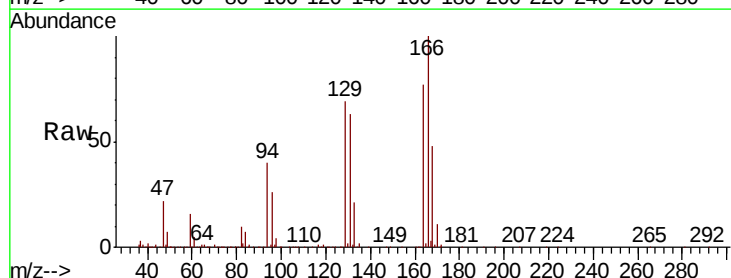
Ion Ratio Lower Upper

164 100

129 89.6 63.4 117.8

131 81.5 60.3 112.1

166 129.1 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) (-)

120000

100000

80000

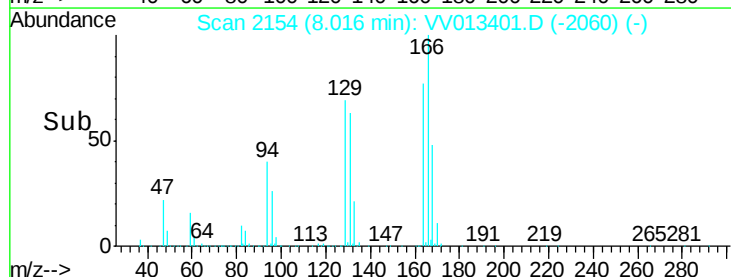
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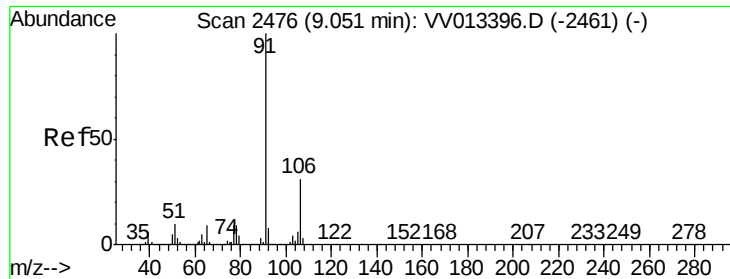
40000

20000

0

Time-->





#52

Ethylbenzene

Concen: 0.125 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

Instrument :

MSVOA_V

ClientSampleId :

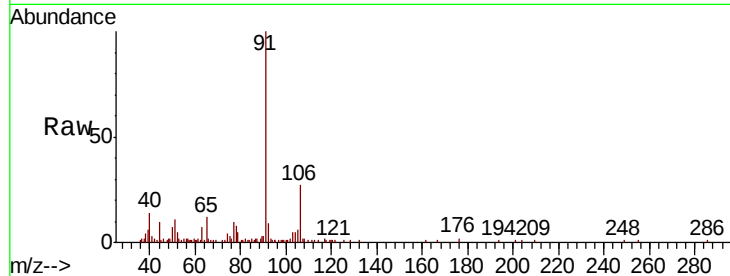
GAQD9

Tot Ion: 91 Resp: 18698

Ion Ratio Lower Upper

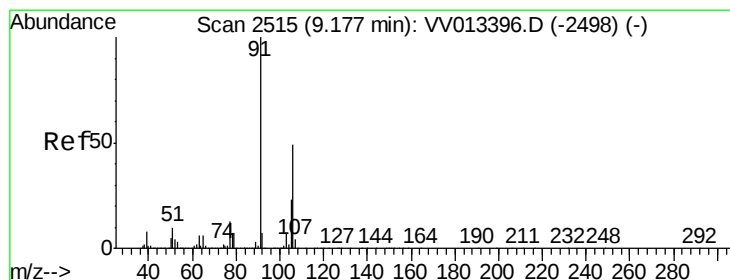
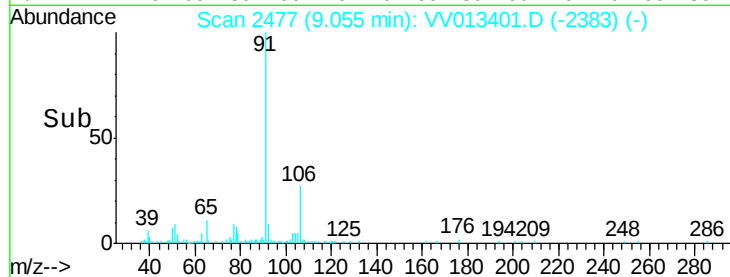
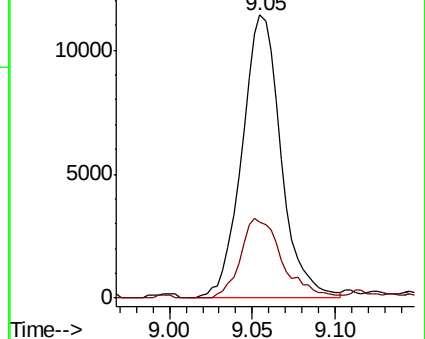
91 100

106 27.1 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) (-)



#53

m,p-xylene

Concen: 0.128 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013401.D

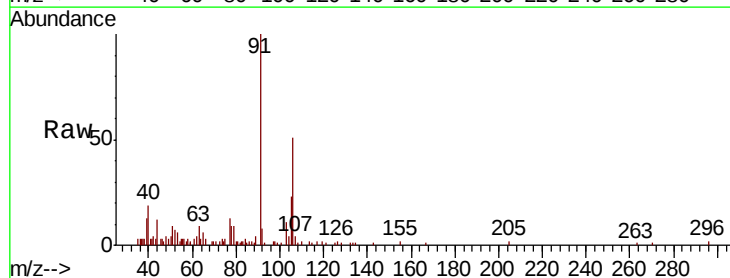
Acq: 29 Oct 2019 17:53

Tgt Ion: 106 Resp: 7083

Ion Ratio Lower Upper

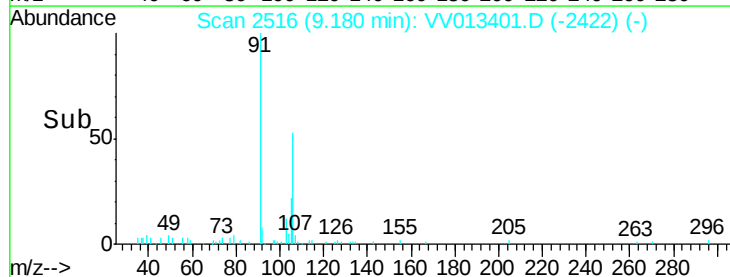
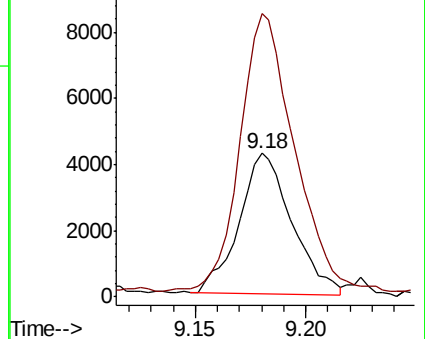
106 100

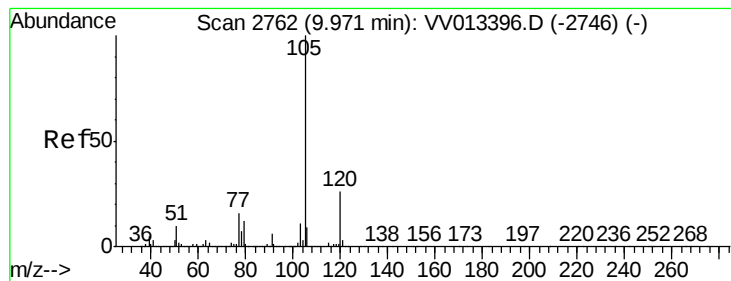
91 197.3 144.3 267.9



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

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





#56

Isopropylbenzene

Concen: 0.081 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013401.D

Acq: 29 Oct 2019 17:53

Instrument :

MSVOA_V

ClientSampleId :

GAQD9

Tot Ion:105 Resp: 11590

Ion Ratio Lower Upper

105 100

120 26.9 21.0 31.6

77 20.5 12.9 19.3#

