

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\
 Data File : VV013408.D
 Acq On : 29 Oct 2019 21:05
 Operator : SY/MD
 Sample : K5597-06
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQD7

Quant Time: Oct 30 03:34:30 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	376190	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	392125	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	223319	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	154859	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.58	69	128245	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.13	63	198431	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	3.93	46	398680	48.98	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.96%
24) Chloroform-d	4.40	84	306328	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.08	65	162274	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.10	84	649651	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.12	67	201051	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.36	98	563252	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.66	79	65835	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.13	63	268047	53.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	137683	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	226345	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

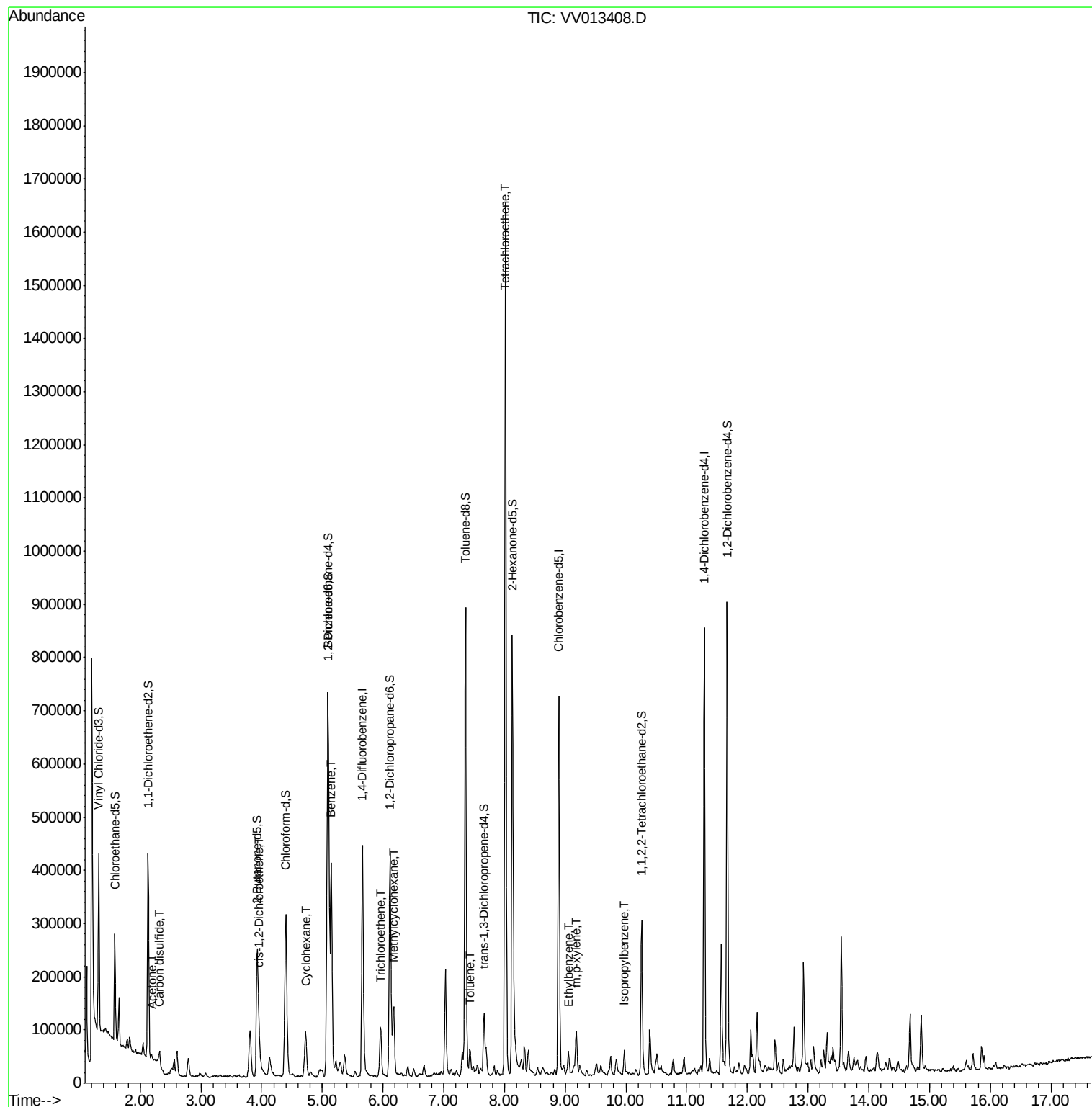
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.19	43	8486	2.134	ug/L	99
14) Carbon disulfide	2.32	76	21350	0.245	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	14211	0.368	ug/L #	87
30) Cyclohexane	4.72	56	43072	0.706	ug/L	99
33) Benzene	5.15	78	395704	2.701	ug/L	100
34) Trichloroethene	5.96	95	31686	0.788	ug/L	97
35) Methylcyclohexane	6.17	83	48547	0.809	ug/L	92
42) Toluene	7.43	91	34541	0.226	ug/L	94
47) Tetrachloroethene	8.02	164	378392	11.102	ug/L	98
52) Ethylbenzene	9.05	91	27703	0.171	ug/L	96
53) m,p-xylene	9.18	106	19266	0.322	ug/L	98
56) Isopropylbenzene	9.97	105	27119	0.174	ug/L	99

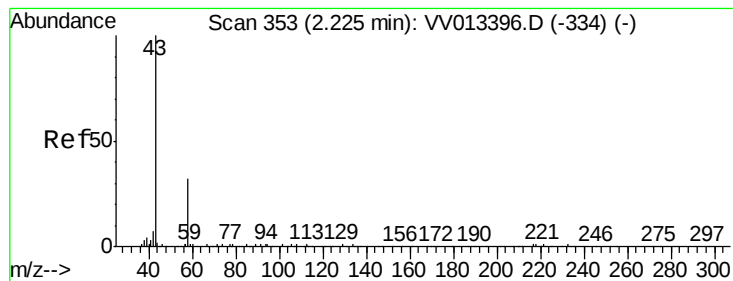
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.134 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.04 min

Lab File: VV013408.D

Acq: 29 Oct 2019 21:05

Instrument :

MSVOA_V

ClientSampleId :

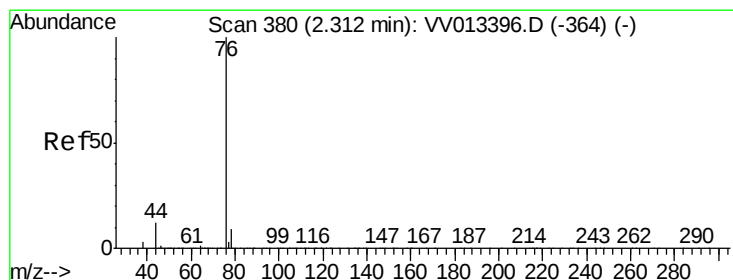
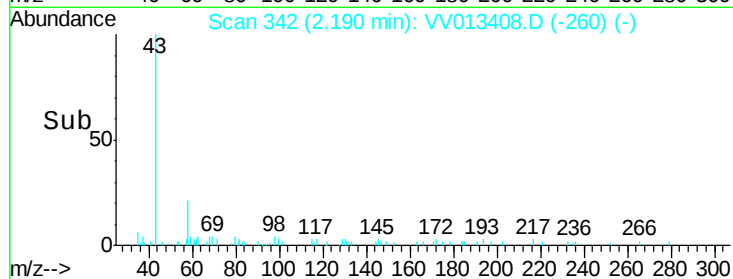
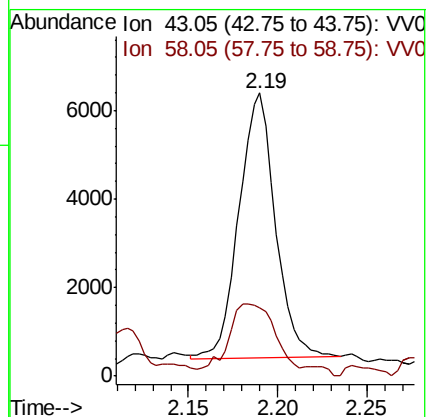
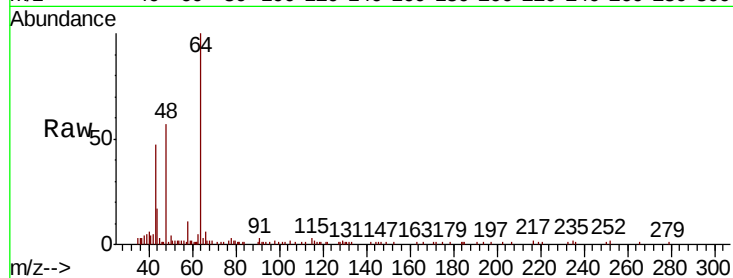
GAQD7

Tot Ion: 43 Resp: 8486

Ion Ratio Lower Upper

43 100

58 29.9 0.0 59.0



#14

Carbon disulfide

Concen: 0.245 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013408.D

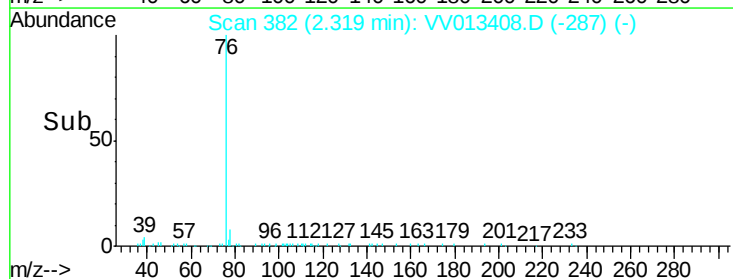
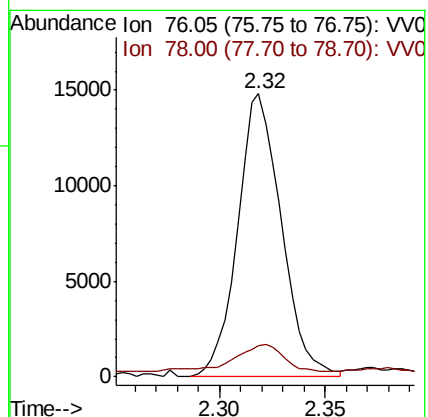
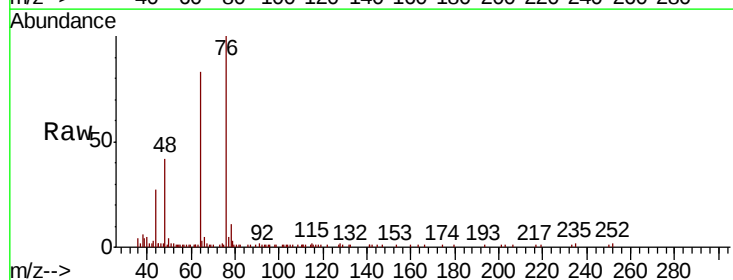
Acq: 29 Oct 2019 21:05

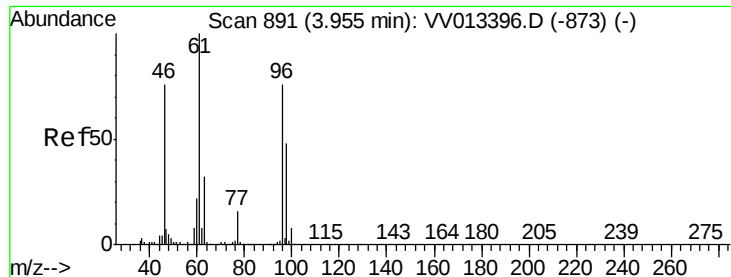
Tgt Ion: 76 Resp: 21350

Ion Ratio Lower Upper

76 100

78 11.1 7.5 11.3





#22

cis-1,2-Dichloroethene

Concen: 0.368 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV013408.D

Acq: 29 Oct 2019 21:05

Instrument :

MSVOA_V

ClientSampleId :

GAQD7

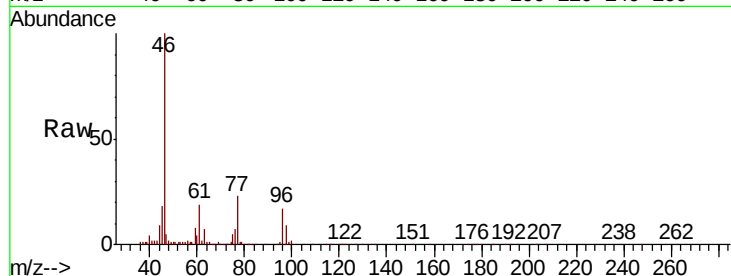
Tot Ion: 96 Resp: 14211

Ion Ratio Lower Upper

96 100

61 113.3 89.9 167.0

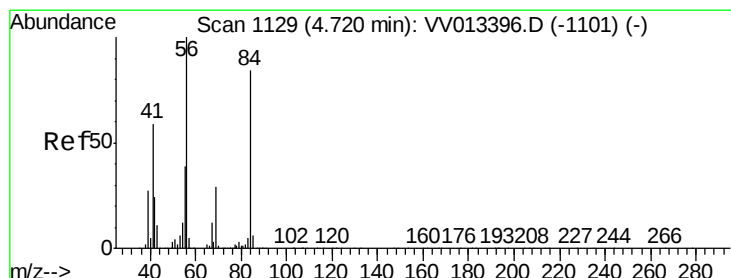
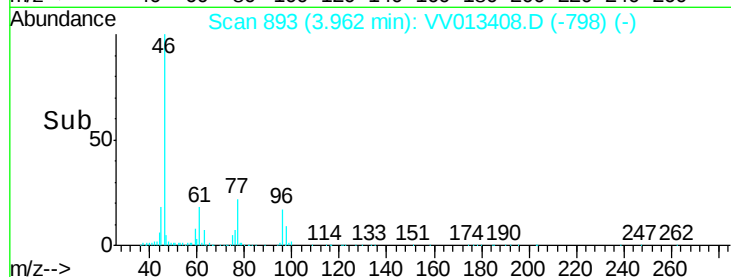
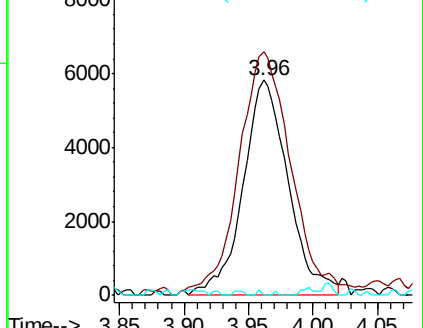
68 0.0 0.1 0.3#



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: 0.706 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV013408.D

Acq: 29 Oct 2019 21:05

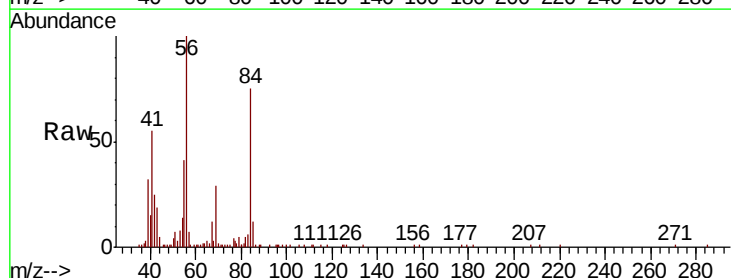
Tgt Ion: 56 Resp: 43072

Ion Ratio Lower Upper

56 100

69 29.5 22.7 34.1

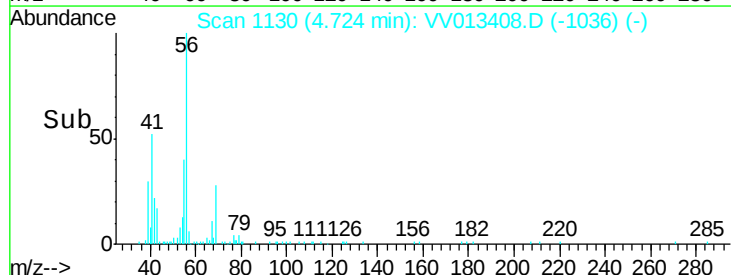
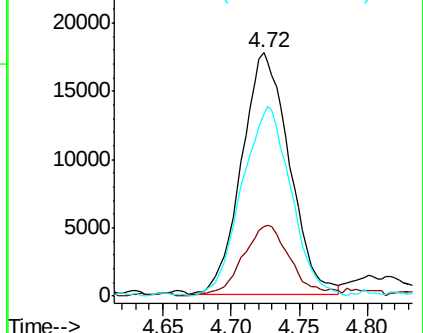
84 80.8 65.5 98.3

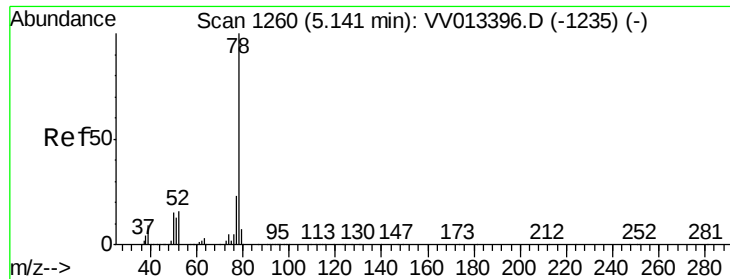


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#33

Benzene

Concen: 2.701 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV013408.D

Acq: 29 Oct 2019 21:05

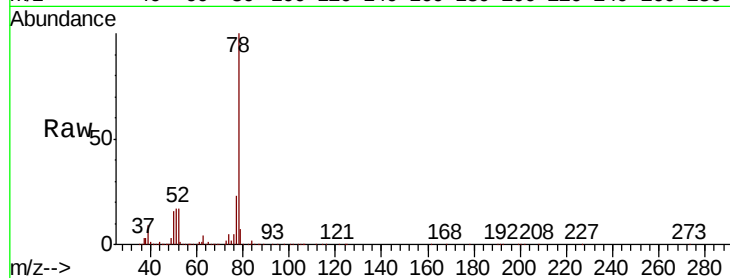
Instrument :

MSVOA_V

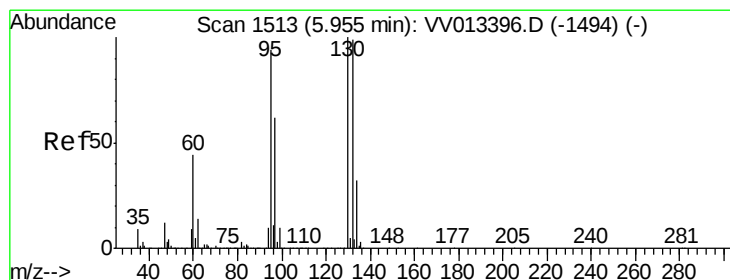
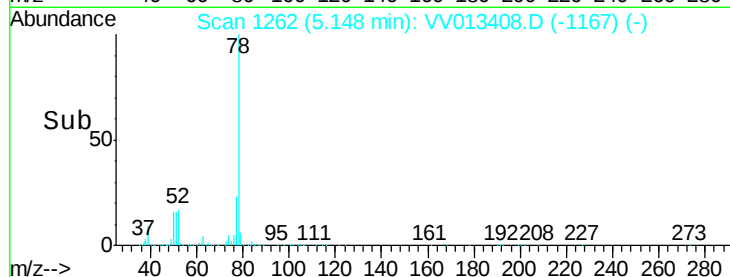
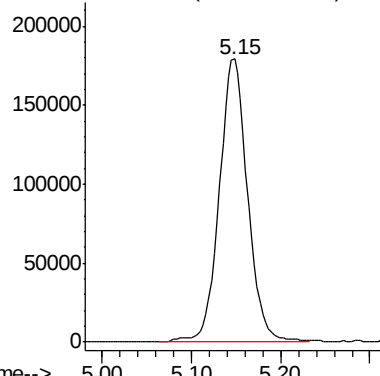
ClientSampleId :

GAQD7

Tgt Ion: 78 Resp: 395704



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.788 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV013408.D

Acq: 29 Oct 2019 21:05

Tgt Ion: 95 Resp: 31686

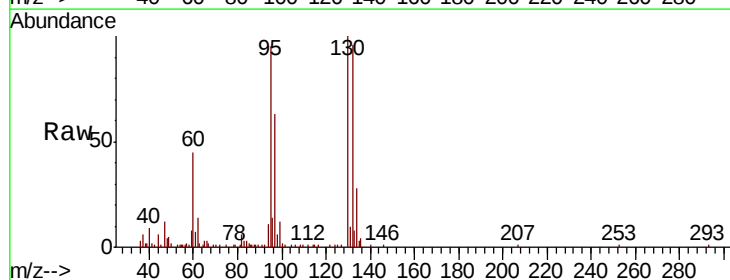
Ion	Ratio	Lower	Upper
95	100		
97	66.5	43.9	81.5
132	100.5	68.7	127.7
130	105.1	72.1	133.9

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

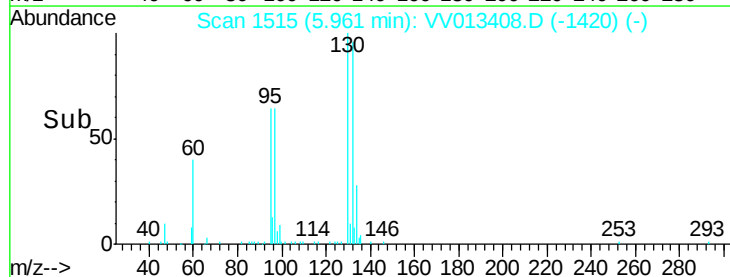


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

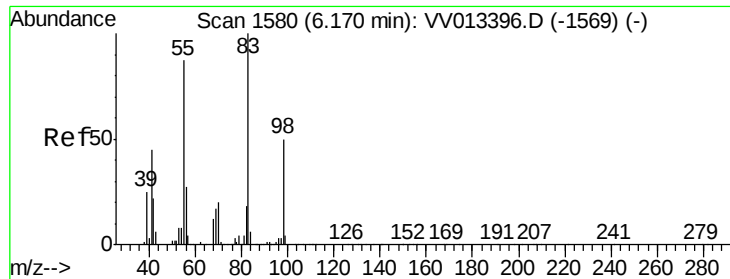
Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



Time-->

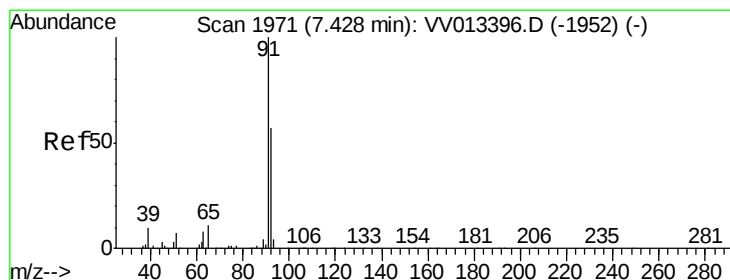
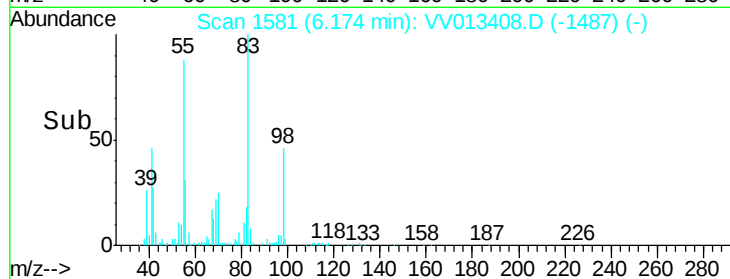
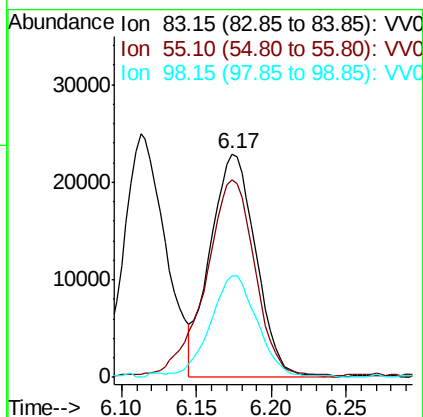
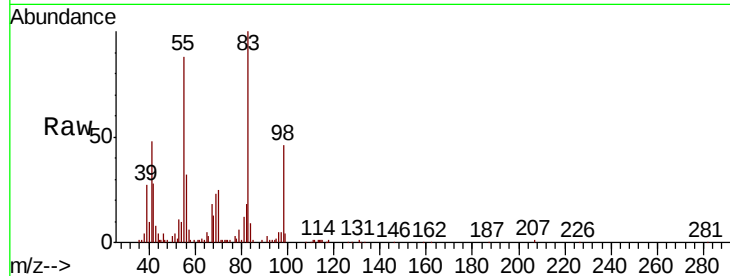
5.96



#35
Methvlcvclohexane
Concen: 0.809 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV013408.D
Acq: 29 Oct 2019 21:05

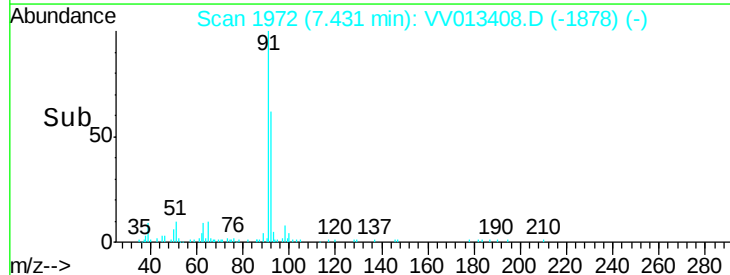
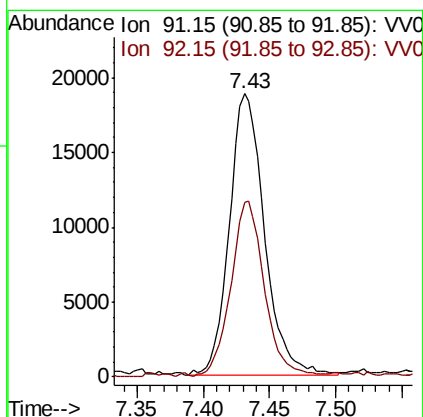
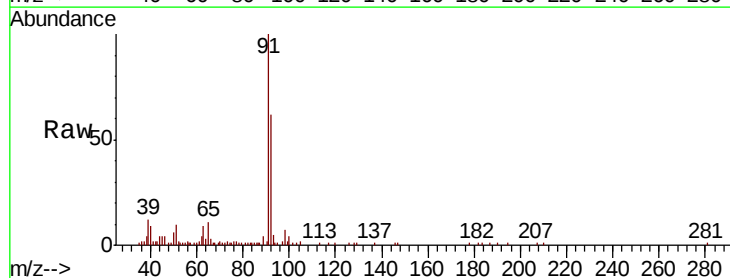
Instrument :
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ClientSampleId :
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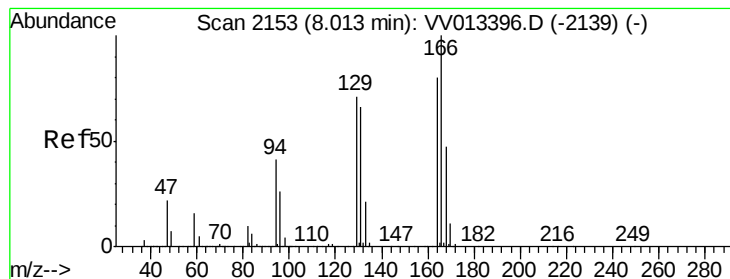
Tot Ion: 83 Resp: 48547
Ion Ratio Lower Upper
83 100
55 93.8 66.0 99.0
98 47.6 38.2 57.4



#42
Toluene
Concen: 0.226 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV013408.D
Acq: 29 Oct 2019 21:05

Tgt Ion: 91 Resp: 34541
Ion Ratio Lower Upper
91 100
92 61.6 40.3 74.8





#47

Tetrachloroethene

Concen: 11.102 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013408.D

Acq: 29 Oct 2019 21:05

Instrument :

MSVOA_V

ClientSampleId :

GAQD7

Tot Ion:164 Resp: 378392

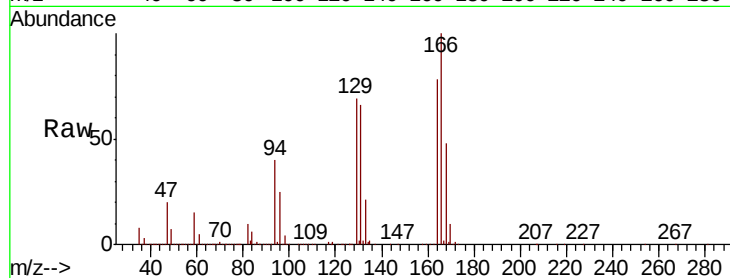
Ion Ratio Lower Upper

164 100

129 87.9 63.4 117.8

131 84.0 60.3 112.1

166 128.2 90.8 168.6

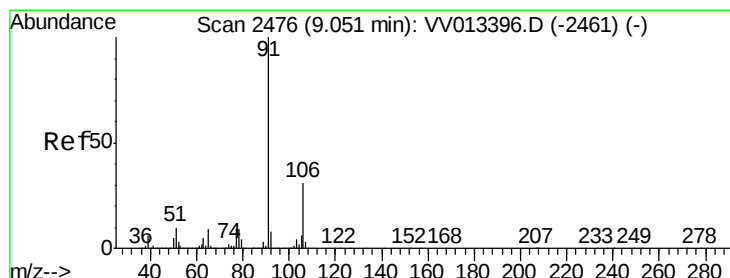
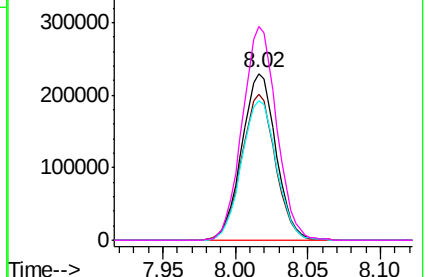
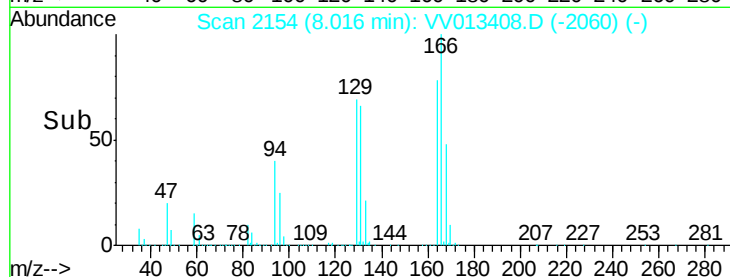


Abundance Ion 163.90 (163.60 to 164.60): V

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



#52

Ethylbenzene

Concen: 0.171 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013408.D

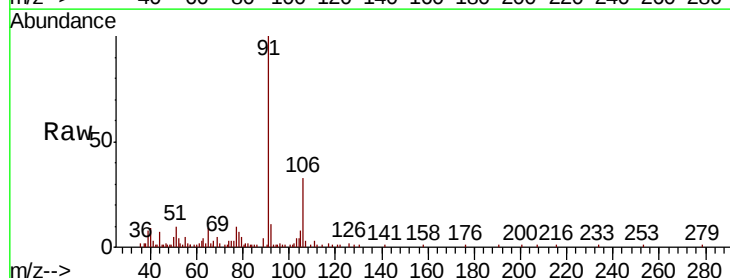
Acq: 29 Oct 2019 21:05

Tgt Ion: 91 Resp: 27703

Ion Ratio Lower Upper

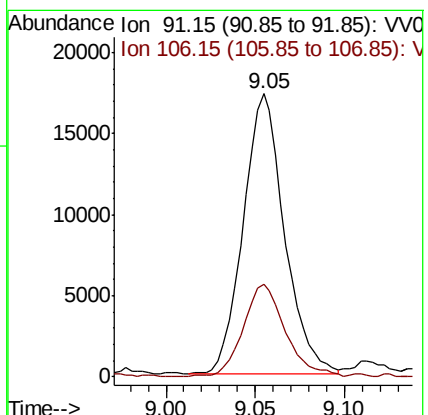
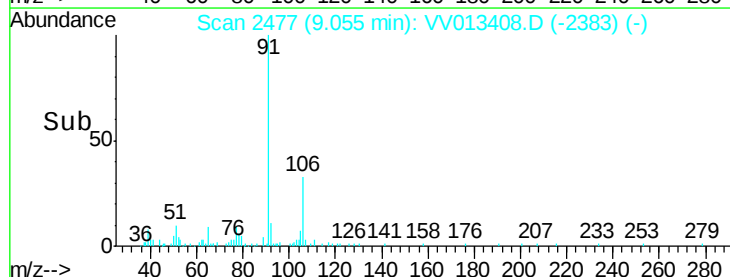
91 100

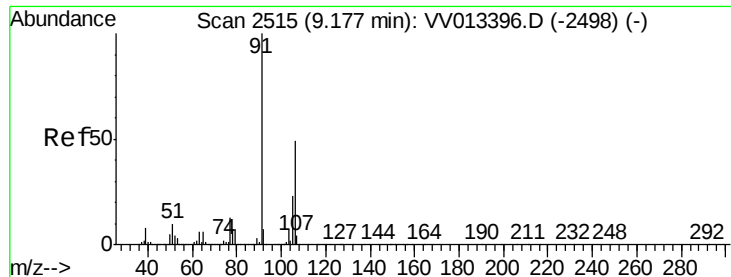
106 32.9 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.322 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013408.D

Acq: 29 Oct 2019 21:05

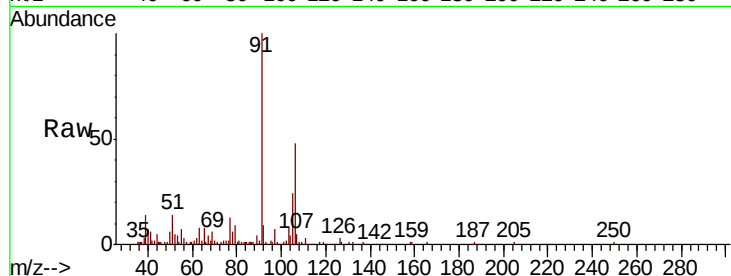
Instrument :
MSVOA_V
ClientSampleId :
GAQD7

Tot Ion:106 Resp: 19266

Ion Ratio Lower Upper

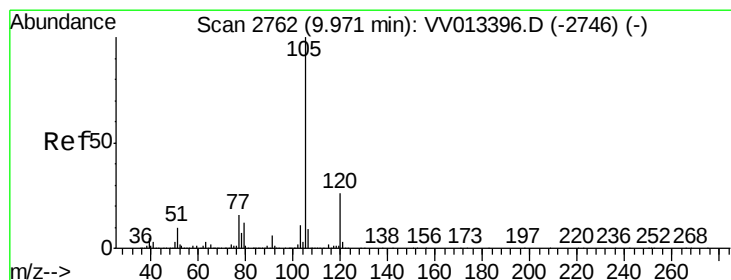
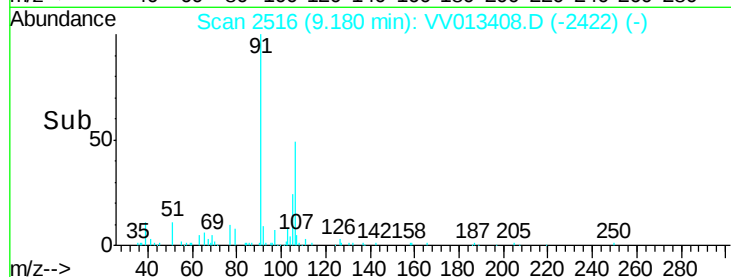
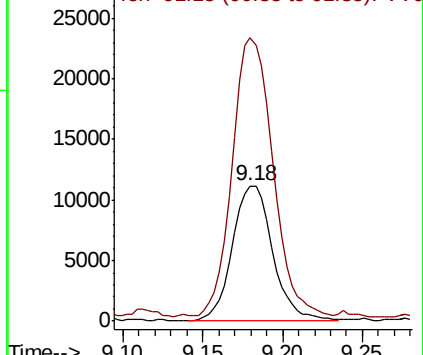
106 100

91 209.5 144.3 267.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

Isopropylbenzene

Concen: 0.174 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013408.D

Acq: 29 Oct 2019 21:05

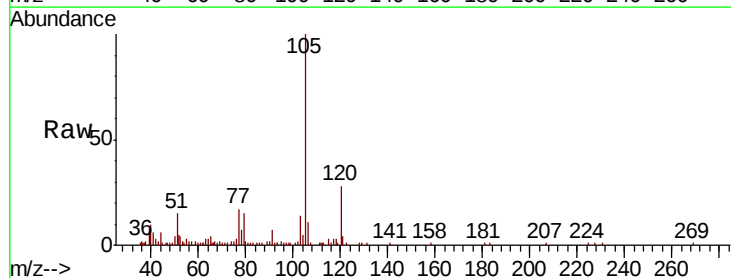
Tgt Ion:105 Resp: 27119

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

77 16.1 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

