

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112519\
 Data File : VV013763.D
 Acq On : 25 Nov 2019 14:12
 Operator : SY/MD
 Sample : K5910-21DL2 400X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQK4DL2

Quant Time: Nov 26 06:19:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 26 04:36:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	359964	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	346388	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	195970	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97362	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	90505	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.13	63	138143	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	3.94	46	280432	60.55	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.10%
24) Chloroform-d	4.40	84	222861	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.08	65	113716	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.09	84	428262	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.11	67	133616	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.36	98	360923	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.66	79	48644	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.14	63	214375	56.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.14%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	108850	5.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	176273	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

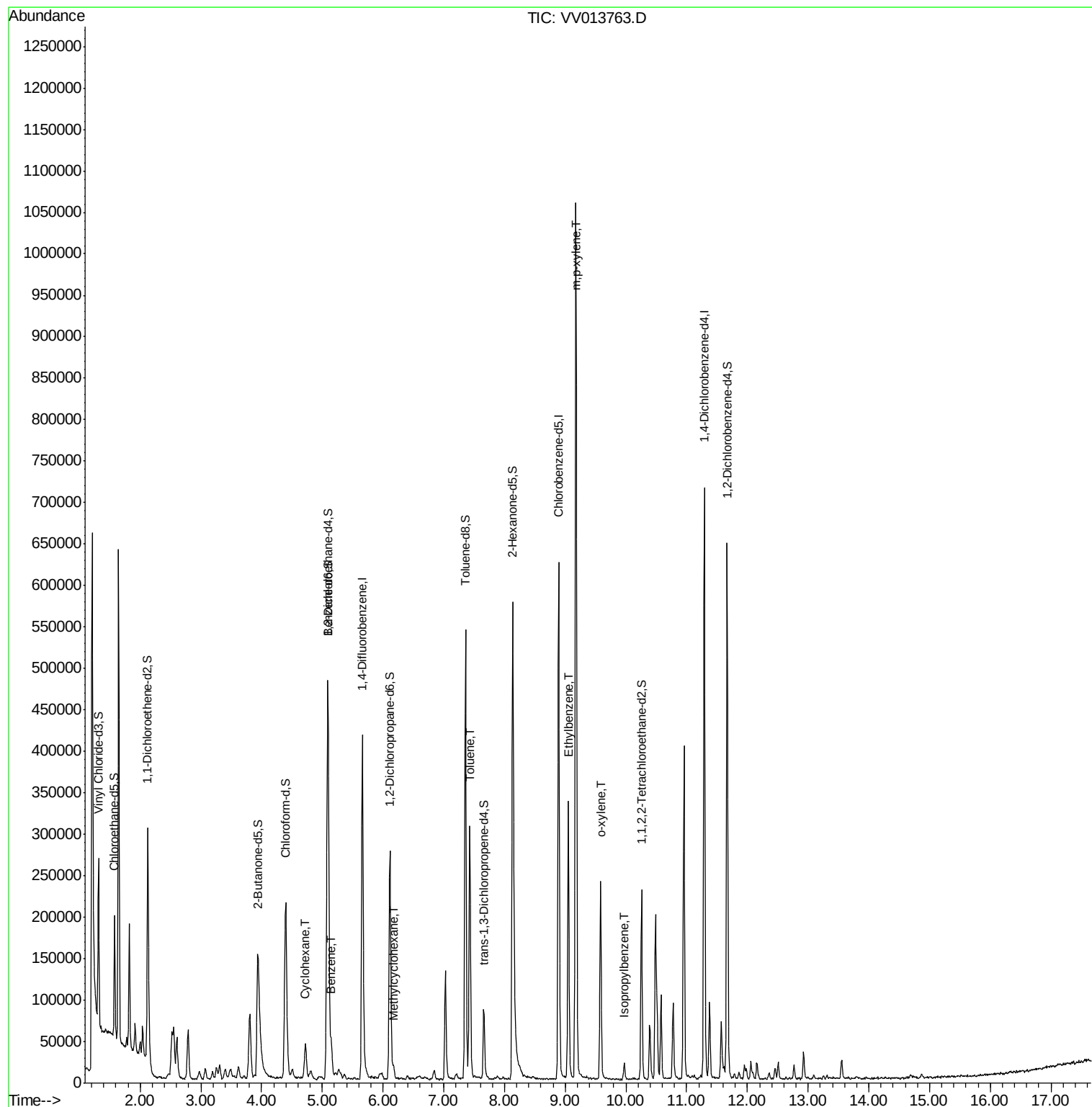
					Ovalue
30) Cyclohexane	4.72	56	20620	0.697 ug/L #	91
33) Benzene	5.14	78	42245	0.497 ug/L	100
35) Methylcyclohexane	6.17	83	4217	0.135 ug/L #	72
42) Toluene	7.43	91	217261	2.384 ug/L	98
52) Ethylbenzene	9.05	91	231180	2.335 ug/L	98
53) m,p-xylene	9.18	106	300665	7.966 ug/L	99
54) o-xylene	9.58	106	64661	1.755 ug/L	96
56) Isopropylbenzene	9.97	105	11920	0.119 ug/L #	93

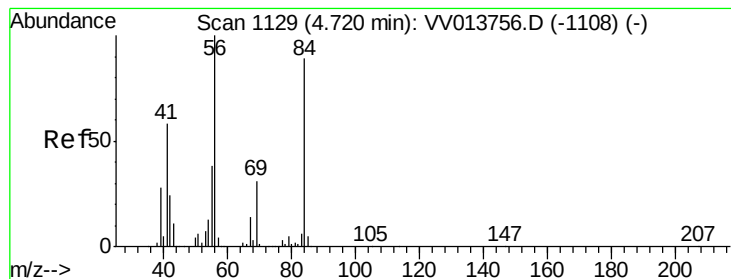
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 26 04:36:55 2019
Response via : Initial Calibration





#30

Cyclohexane

Concen: 0.697 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV013763.D

Acq: 25 Nov 2019 14:12

Instrument :

MSVOA_V

ClientSampleId :

GAQK4DL2

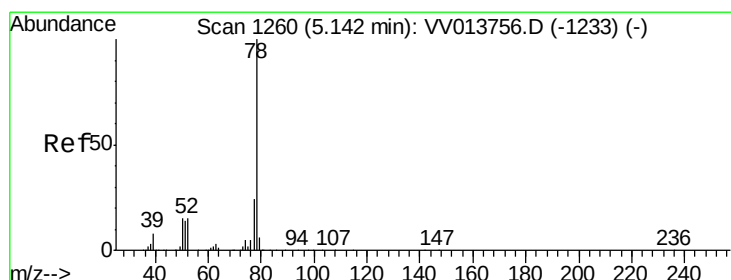
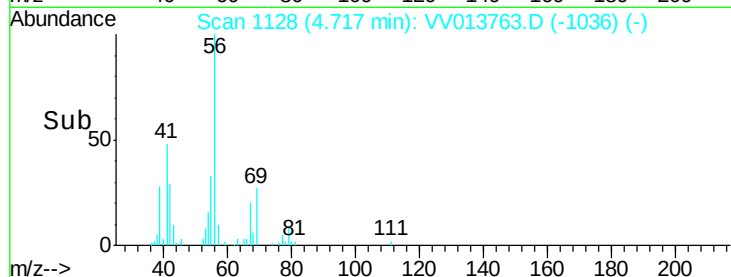
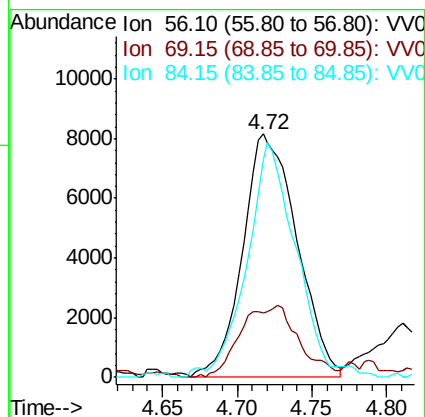
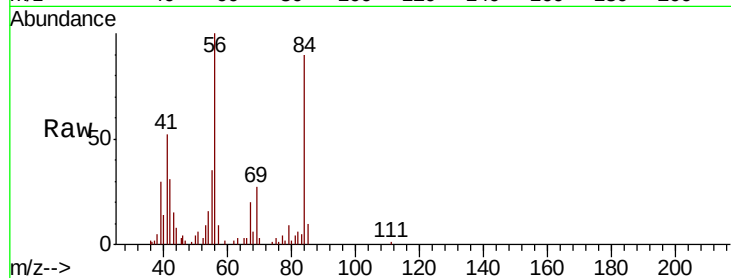
Tot Ion: 56 Resp: 20620

Ion Ratio Lower Upper

56 100

69 14.0 24.1 36.1#

84 85.4 69.9 104.9



#33

Benzene

Concen: 0.497 ug/L

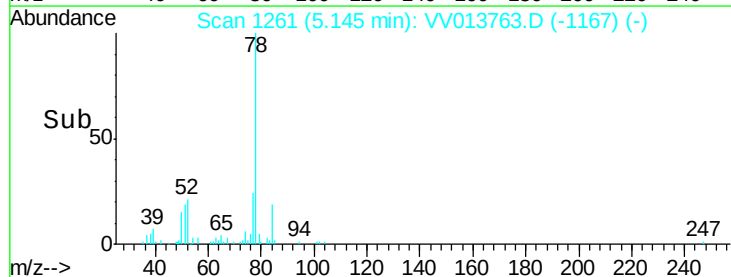
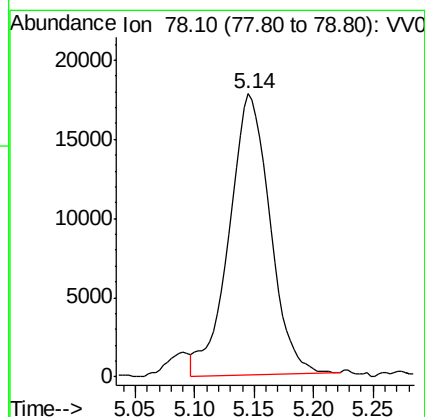
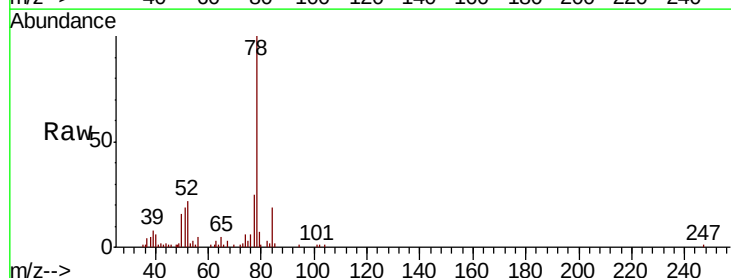
RT: 5.14 min Scan# 1261

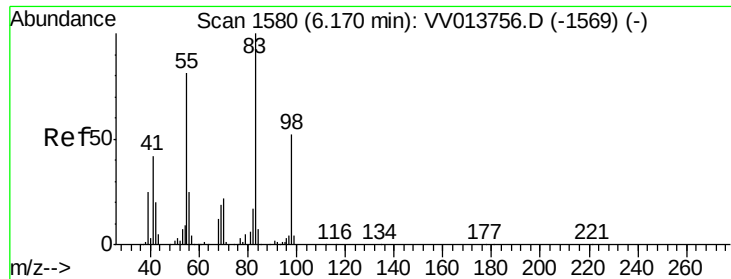
Delta R.T. 0.00 min

Lab File: VV013763.D

Acq: 25 Nov 2019 14:12

Tgt Ion: 78 Resp: 42245

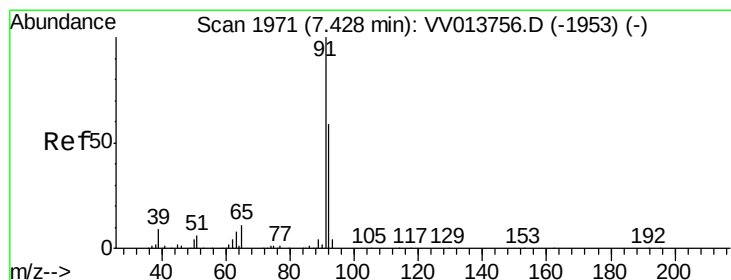
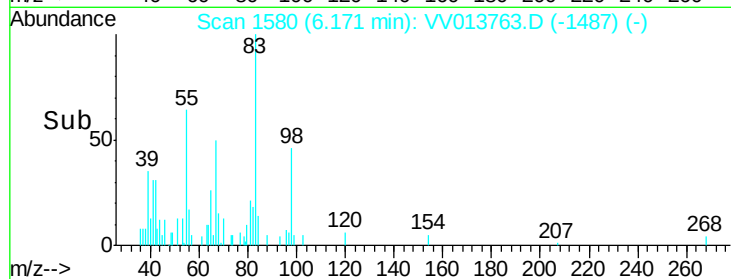
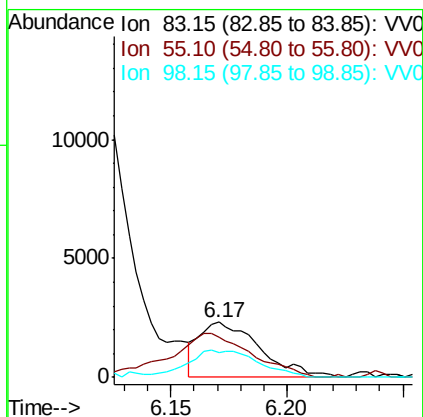
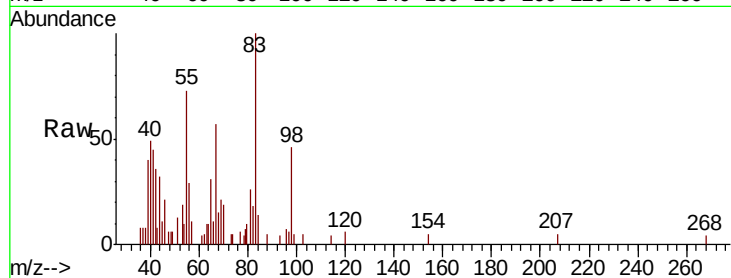




#35
Methylvlcyclohexane
Concen: 0.135 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV013763.D
Acq: 25 Nov 2019 14:12

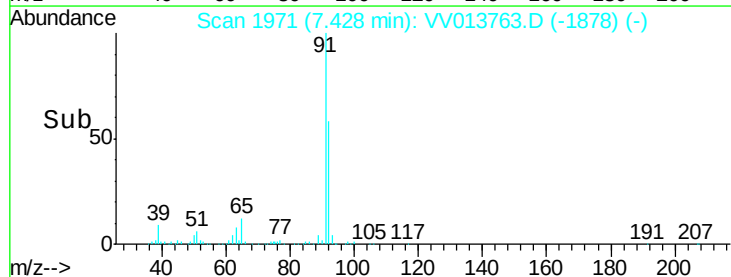
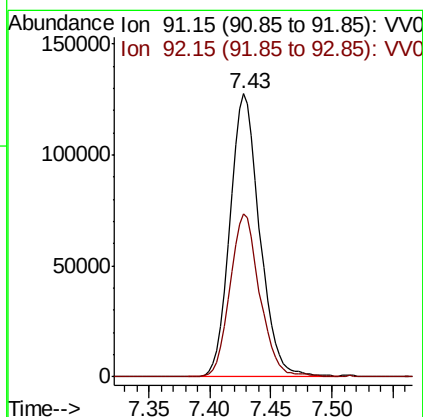
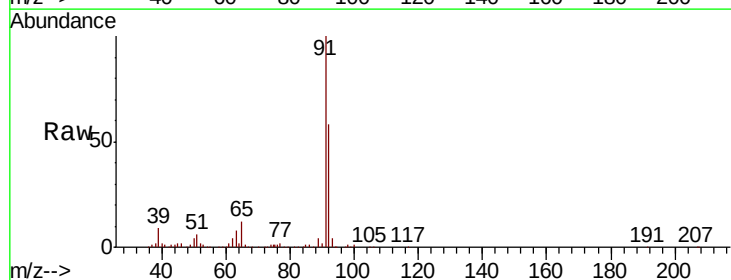
Instrument :
MSVOA_V
ClientSampleId :
GAQK4DL2

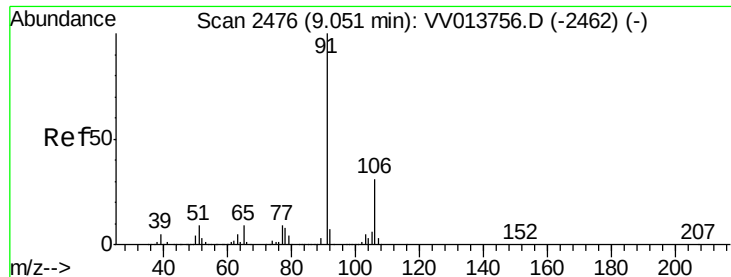
Tot Ion: 83 Resp: 4217
Ion Ratio Lower Upper
83 100
55 107.4 60.3 90.5#
98 57.1 38.1 57.1



#42
Toluene
Concen: 2.384 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV013763.D
Acq: 25 Nov 2019 14:12

Tgt Ion: 91 Resp: 217261
Ion Ratio Lower Upper
91 100
92 57.5 41.1 76.3





#52

Ethylbenzene

Concen: 2.335 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013763.D

Acq: 25 Nov 2019 14:12

Instrument :

MSVOA_V

ClientSampleId :

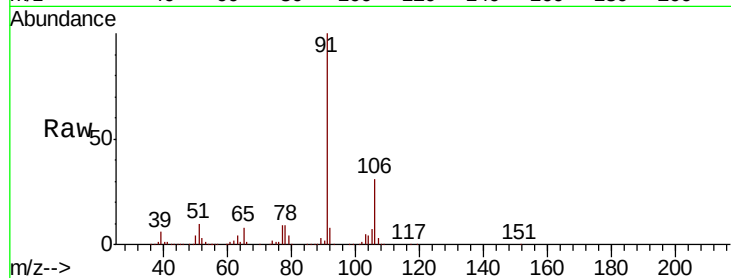
GAQK4DL2

Tot Ion: 91 Resp: 231180

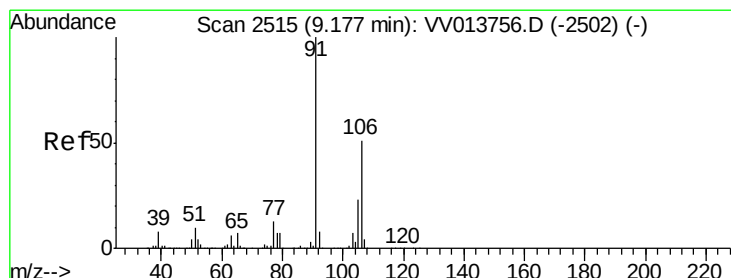
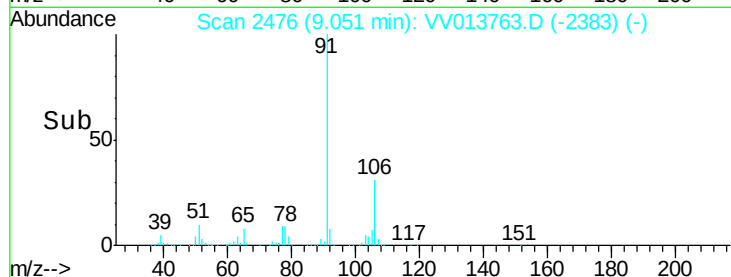
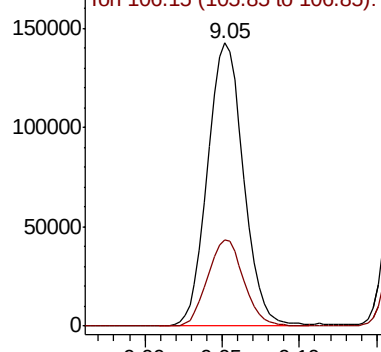
Ion Ratio Lower Upper

91 100

106 30.5 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV013756.D (-2462) (-)



#53

m,p-xylene

Concen: 7.966 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013763.D

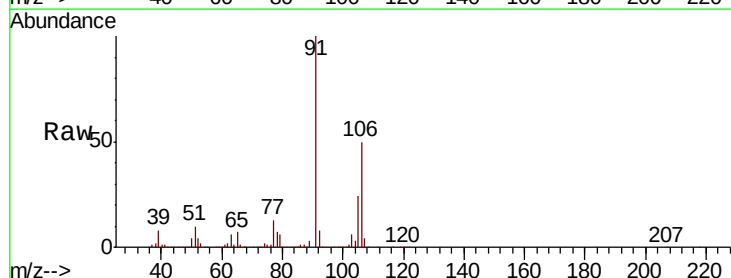
Acq: 25 Nov 2019 14:12

Tgt Ion: 106 Resp: 300665

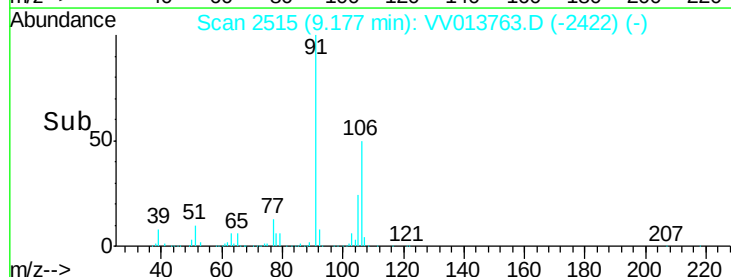
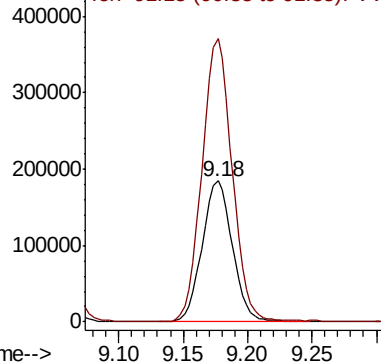
Ion Ratio Lower Upper

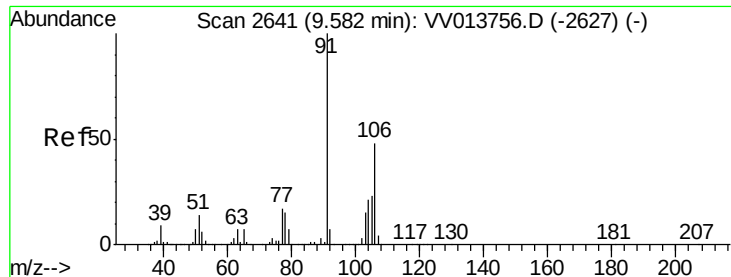
106 100

91 201.0 139.9 259.9



Abundance Ion 106.15 (105.85 to 106.85): VV013756.D (-2502) (-)





#54

o-xylene

Concen: 1.755 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013763.D

Acq: 25 Nov 2019 14:12

Instrument :

MSVOA_V

ClientSampleId :

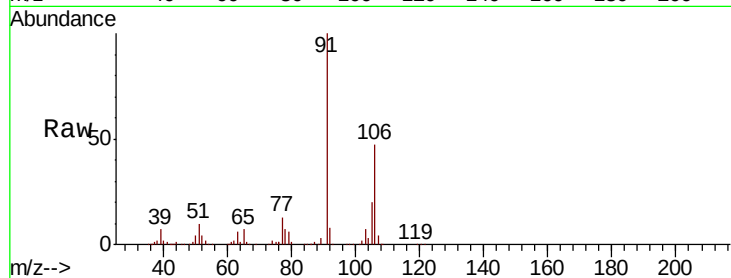
GAQK4DL2

Tot Ion:106 Resp: 64661

Ion Ratio Lower Upper

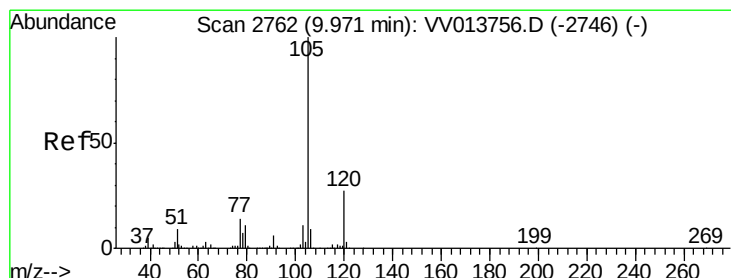
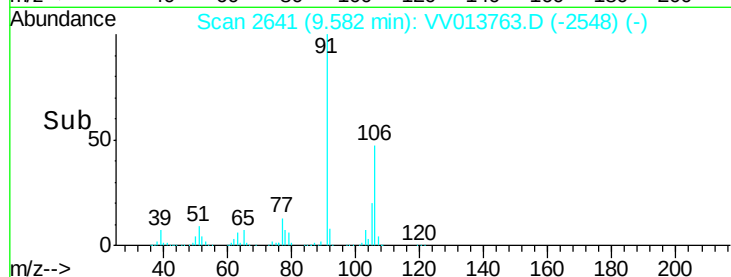
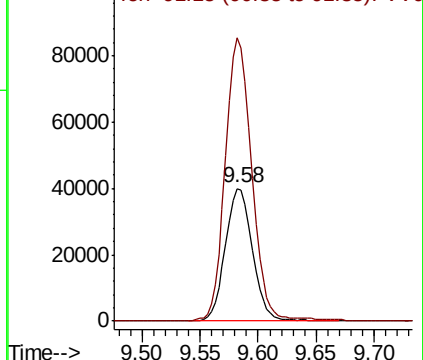
106 100

91 213.4 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

Isopropylbenzene

Concen: 0.119 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV013763.D

Acq: 25 Nov 2019 14:12

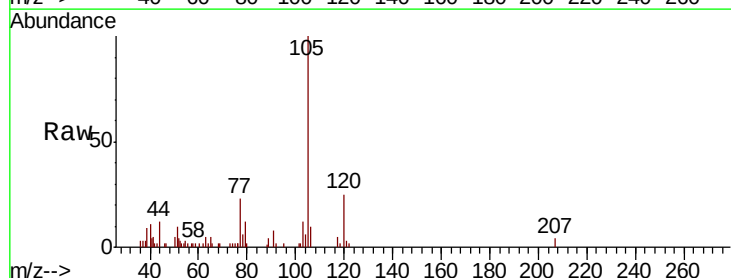
Tgt Ion:105 Resp: 11920

Ion Ratio Lower Upper

105 100

120 24.7 21.3 31.9

77 20.4 12.1 18.1#



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

