

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040320\
 Data File : VV015401.D
 Acq On : 03 Apr 2020 17:16
 Operator : SY/MD
 Sample : L2065-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB9RE

Quant Time: Apr 04 01:42:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 04 00:09:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	702899	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	676831	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	352138m	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	269682	42.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.58%
7) Chloroethane-d5	1.58	69	239247	44.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.88%
11) 1,1-Dichloroethene-d2	2.12	63	397556	35.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.58%
21) 2-Butanone-d5	3.93	46	307184	91.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.70%
24) Chloroform-d	4.38	84	460909	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.06	65	295338	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.14%
32) Benzene-d6	5.08	84	967622	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
36) 1,2-Dichloropropane-d6	6.09	67	286391	46.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.20%
41) Toluene-d8	7.34	98	933439	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%
43) trans-1,3-Dichloropropene-	7.64	79	149068	43.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.80%
47) 2-Hexanone-d5	8.11	63	263512	93.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.89%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	405917	46.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	369254	46.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

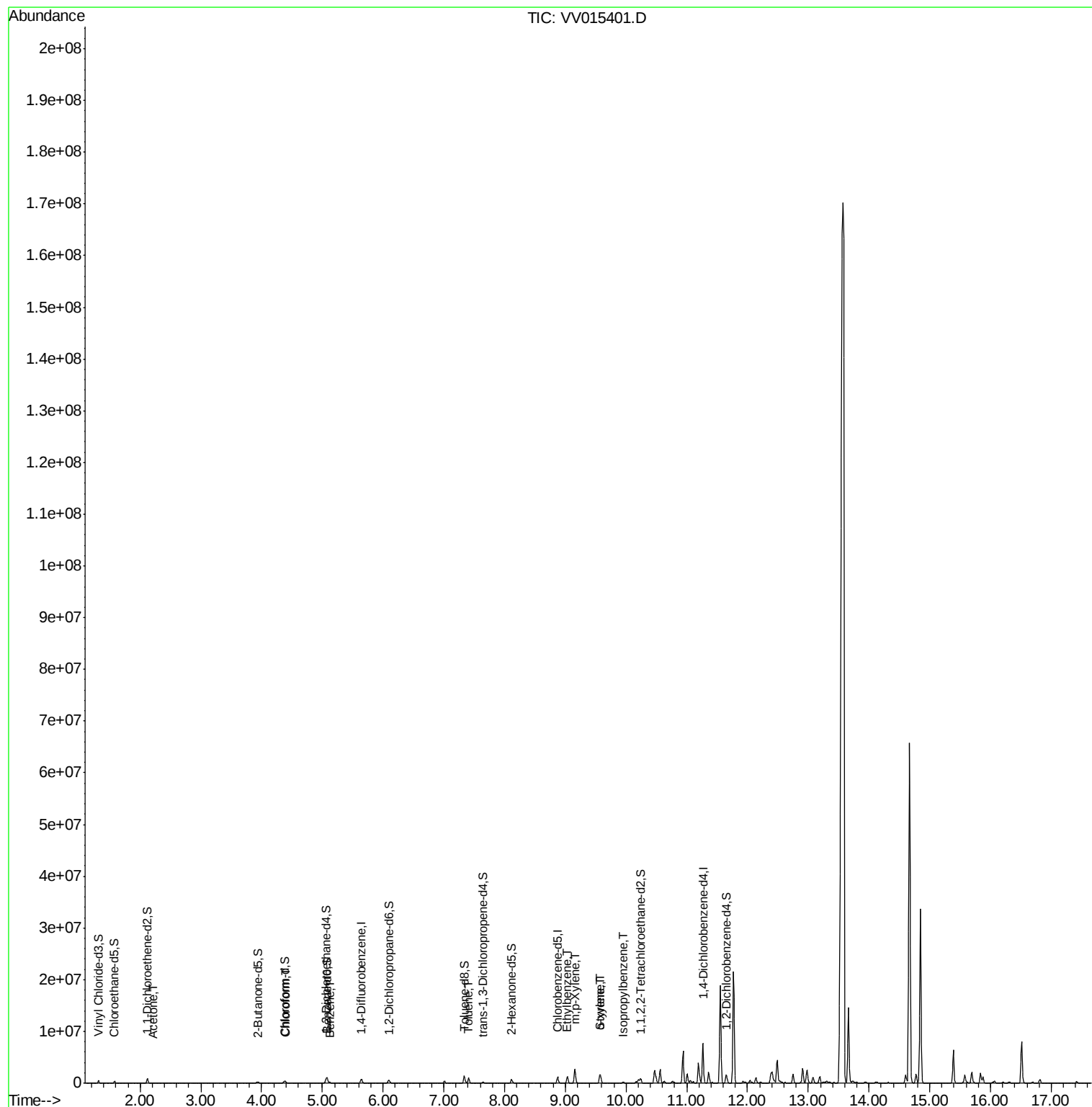
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.22	43	38723	17.611	ug/L	64
25) Chloroform	4.40	83	30067	3.173	ug/L	91
33) Benzene	5.13	78	85853	4.286	ug/L	100
42) Toluene	7.41	91	727498	32.676	ug/L	99
52) Ethylbenzene	9.04	91	900636	36.041	ug/L	99
53) m,p-Xylene	9.16	106	776372	80.683	ug/L	98
54) o-xylene	9.56	106	346360	35.934	ug/L	98
55) Styrene	9.58	104	556527	34.722	ug/L	98
56) Isopropylbenzene	9.95	105	145919	5.844	ug/L	99

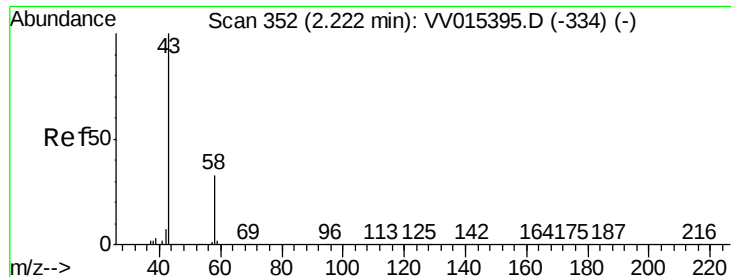
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 04 00:09:13 2020
Response via : Initial Calibration





#13

Acetone

Concen: 17.611 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV015401.D

Acq: 03 Apr 2020 17:16

Instrument :

MSVOA_V

ClientSampleId :

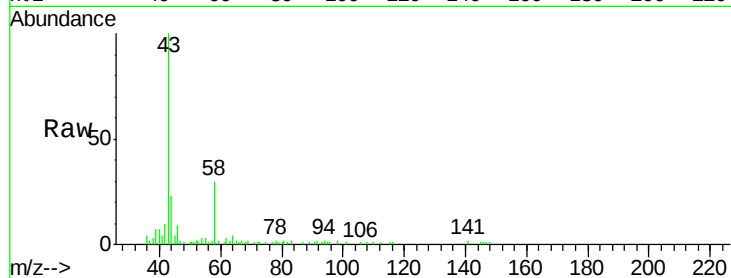
C0AB9RE

Tot Ion: 43 Resp: 38723

Ion Ratio Lower Upper

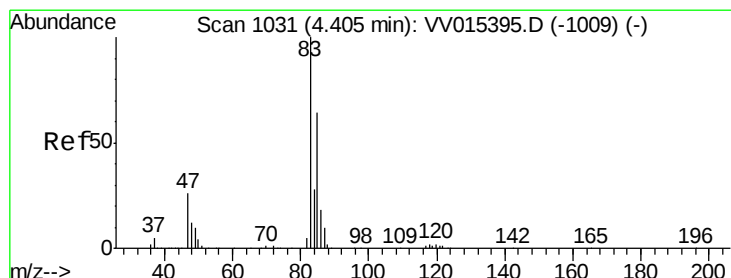
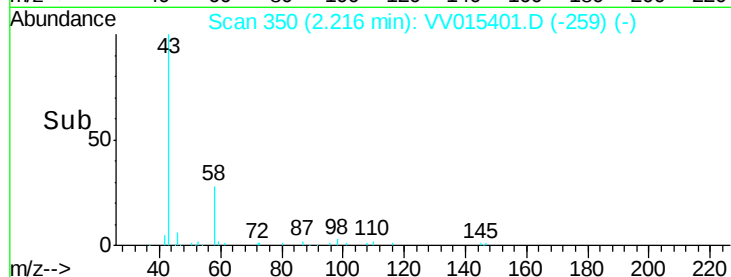
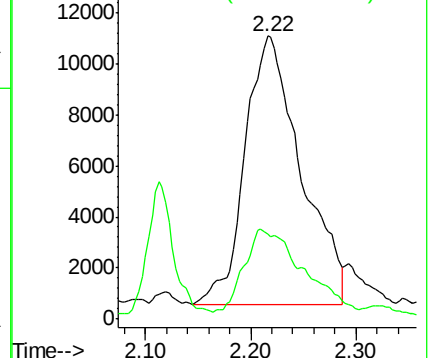
43 100

58 13.6 0.0 68.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#25

Chloroform

Concen: 3.173 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV015401.D

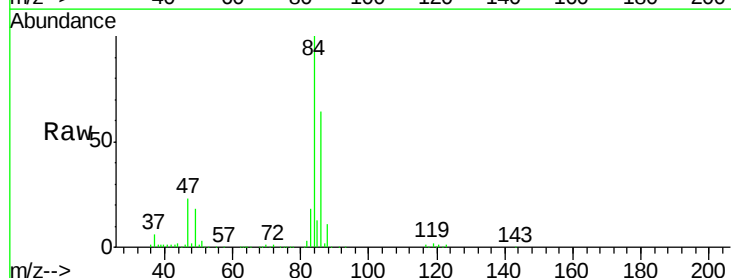
Acq: 03 Apr 2020 17:16

Tgt Ion: 83 Resp: 30067

Ion Ratio Lower Upper

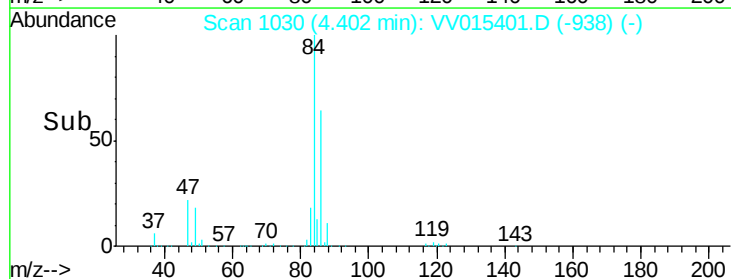
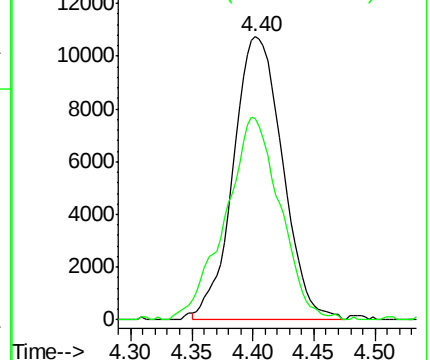
83 100

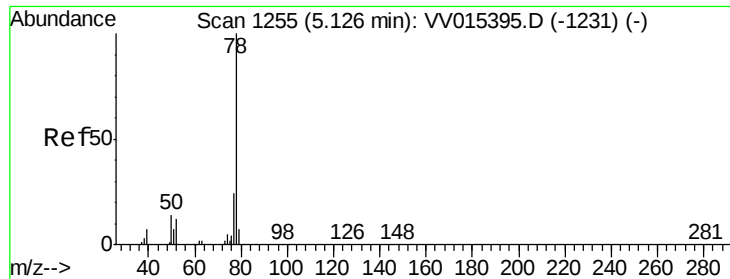
85 71.2 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 4.286 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV015401.D

Acq: 03 Apr 2020 17:16

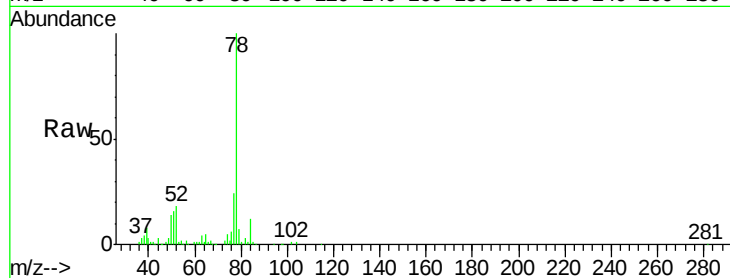
Instrument :

MSVOA_V

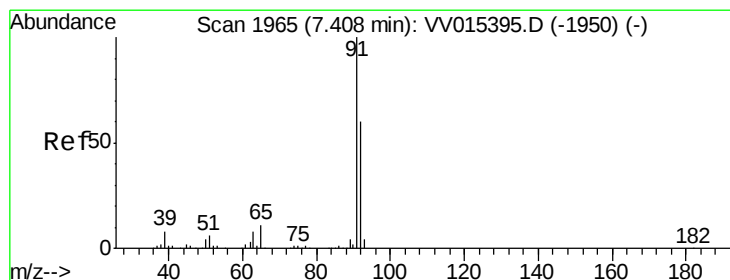
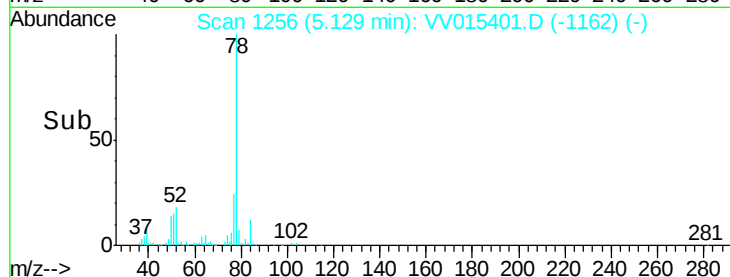
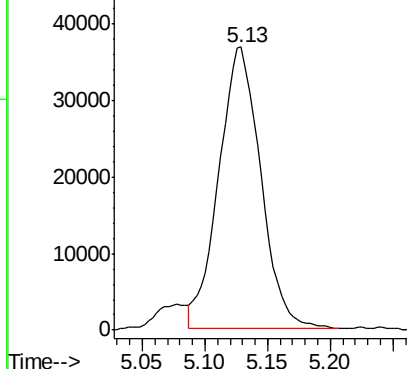
ClientSampleId :

C0AB9RE

Tgt Ion: 78 Resp: 85853



Abundance Ion 78.00 (77.70 to 78.70): VV0



#42

Toluene

Concen: 32.676 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015401.D

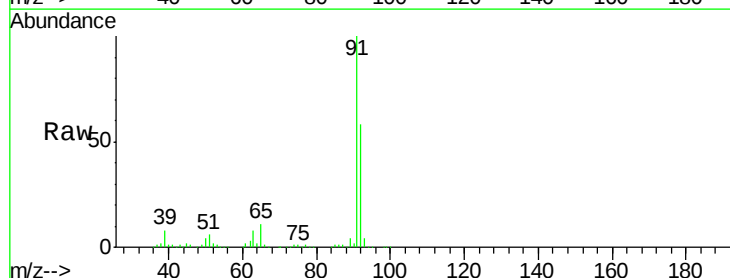
Acq: 03 Apr 2020 17:16

Tgt Ion: 91 Resp: 727498

Ion Ratio Lower Upper

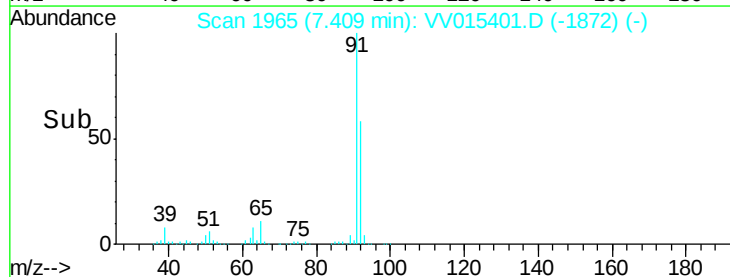
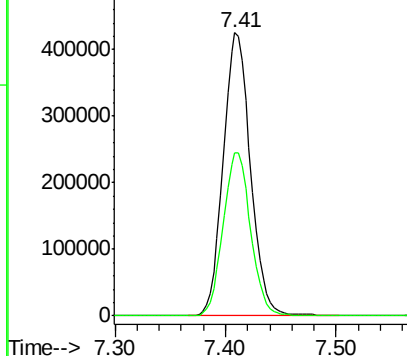
91 100

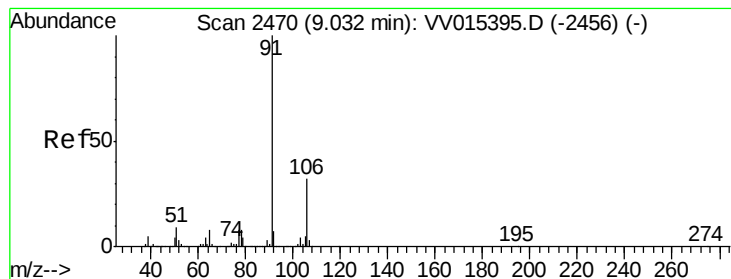
92 57.8 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0





#52

Ethylbenzene

Concen: 36.041 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015401.D

Acq: 03 Apr 2020 17:16

Instrument :

MSVOA_V

ClientSampleId :

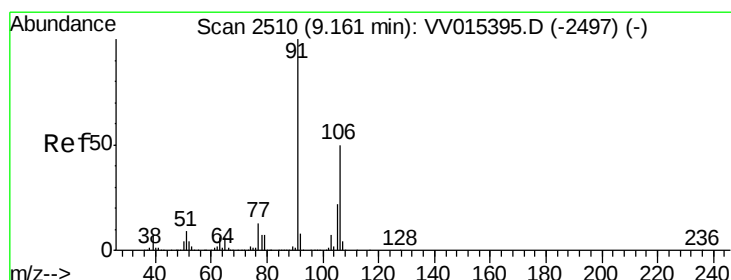
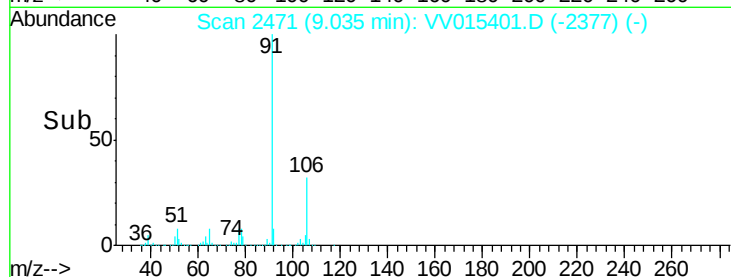
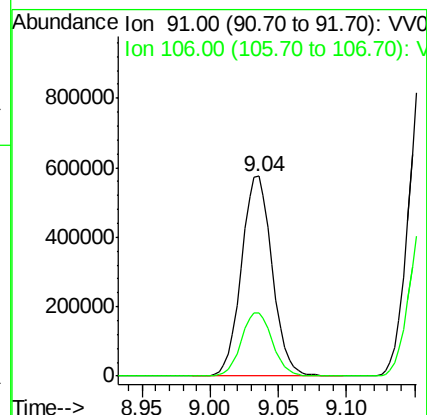
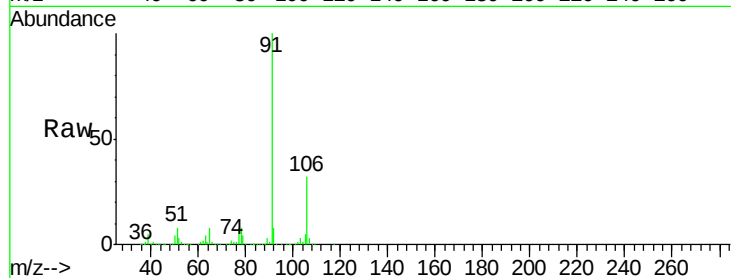
C0AB9RE

Tot Ion: 91 Resp: 900636

Ion Ratio Lower Upper

91 100

106 31.8 21.8 40.6



#53

m,p-Xylene

Concen: 80.683 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015401.D

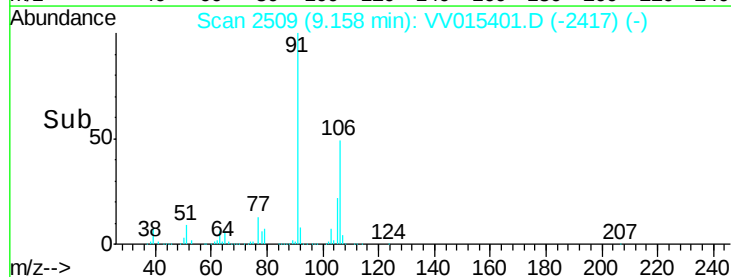
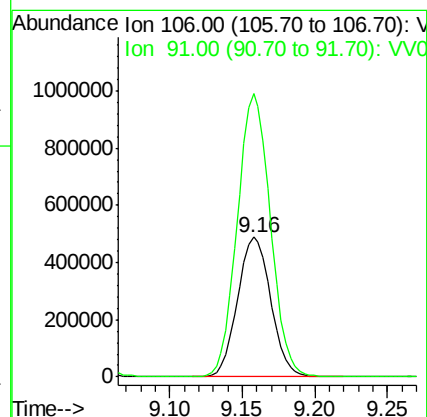
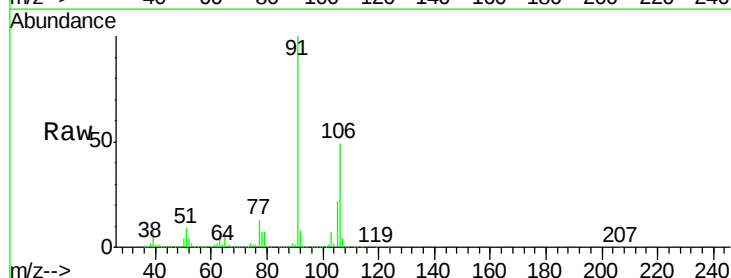
Acq: 03 Apr 2020 17:16

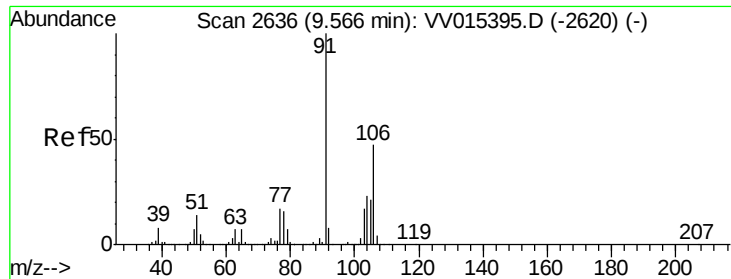
Tgt Ion: 106 Resp: 776372

Ion Ratio Lower Upper

106 100

91 202.9 139.7 259.5





#54

o-xylene

Concen: 35.934 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015401.D

Acq: 03 Apr 2020 17:16

Instrument :

MSVOA_V

ClientSampleId :

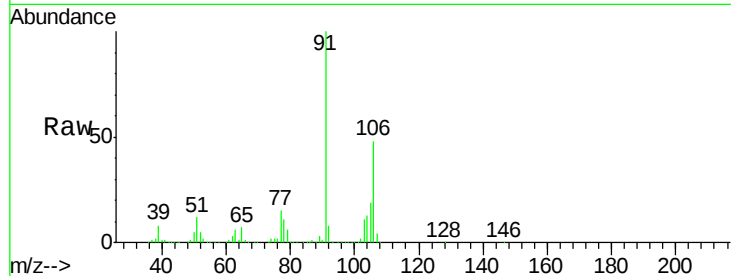
C0AB9RE

Tot Ion:106 Resp: 346360

Ion Ratio Lower Upper

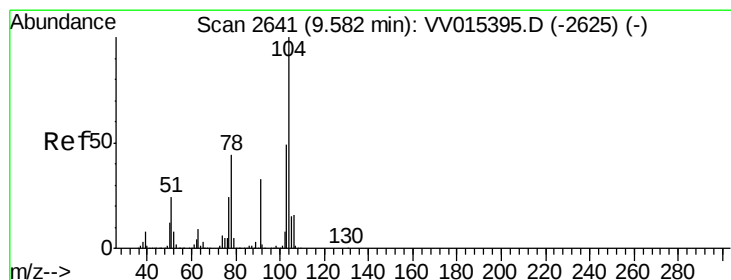
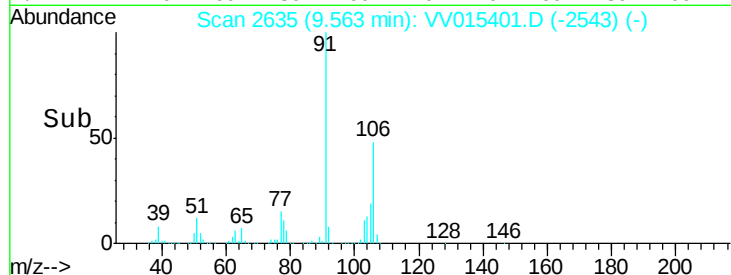
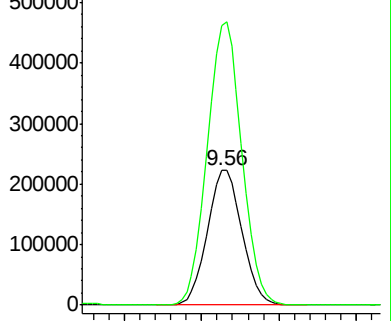
106 100

91 208.1 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 34.722 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015401.D

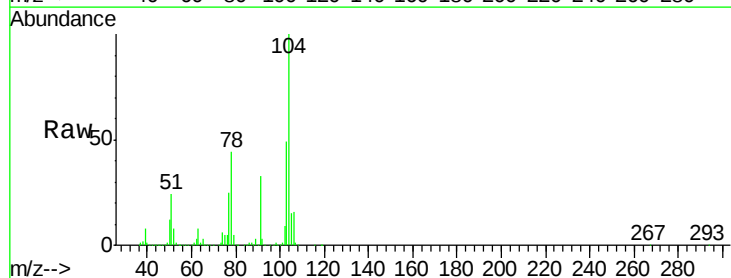
Acq: 03 Apr 2020 17:16

Tgt Ion:104 Resp: 556527

Ion Ratio Lower Upper

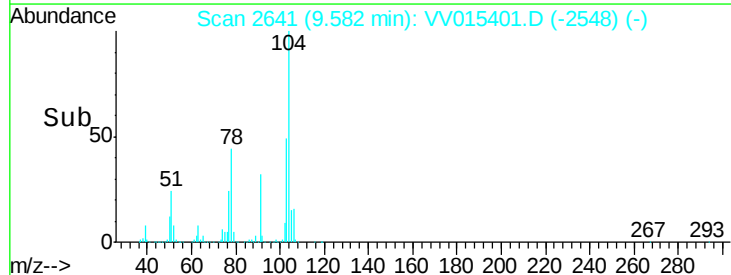
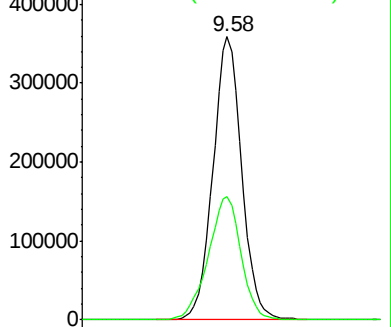
104 100

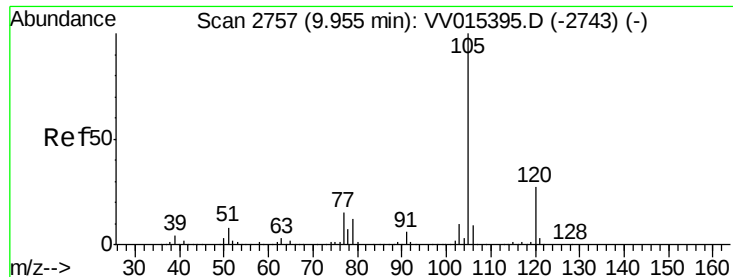
78 43.7 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 5.844 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

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Acq: 03 Apr 2020 17:16

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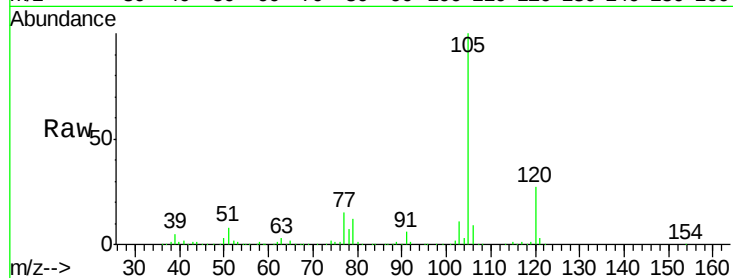
Tot Ion:105 Resp: 145919

Ion Ratio Lower Upper

105 100

120 27.4 21.4 32.0

77 15.6 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

