

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
 Data File : VV016639.D
 Acq On : 07 Jun 2020 12:54
 Operator : SY/MD
 Sample : L2862-13DL 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9E07DL

Quant Time: Jun 08 05:46:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 08 05:42:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	354374	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	327120	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	152682	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104142	41.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.98%
7) Chloroethane-d5	1.56	69	66354	36.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.24%
11) 1,1-Dichloroethene-d2	2.12	63	141870	31.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.78%
21) 2-Butanone-d5	3.90	46	177016	110.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.30%
24) Chloroform-d	4.37	84	229537	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
26) 1,2-Dichloroethane-d4	5.06	65	165227	52.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.76%
32) Benzene-d6	5.07	84	456584	52.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.22%
36) 1,2-Dichloropropane-d6	6.09	67	140848	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.18%
41) Toluene-d8	7.34	98	405915	51.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.02%
43) trans-1,3-Dichloropropene-	7.64	79	61516	46.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.46%
47) 2-Hexanone-d5	8.11	63	127049	108.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.65%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	184400	49.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	162035	56.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.94%

Target Compounds

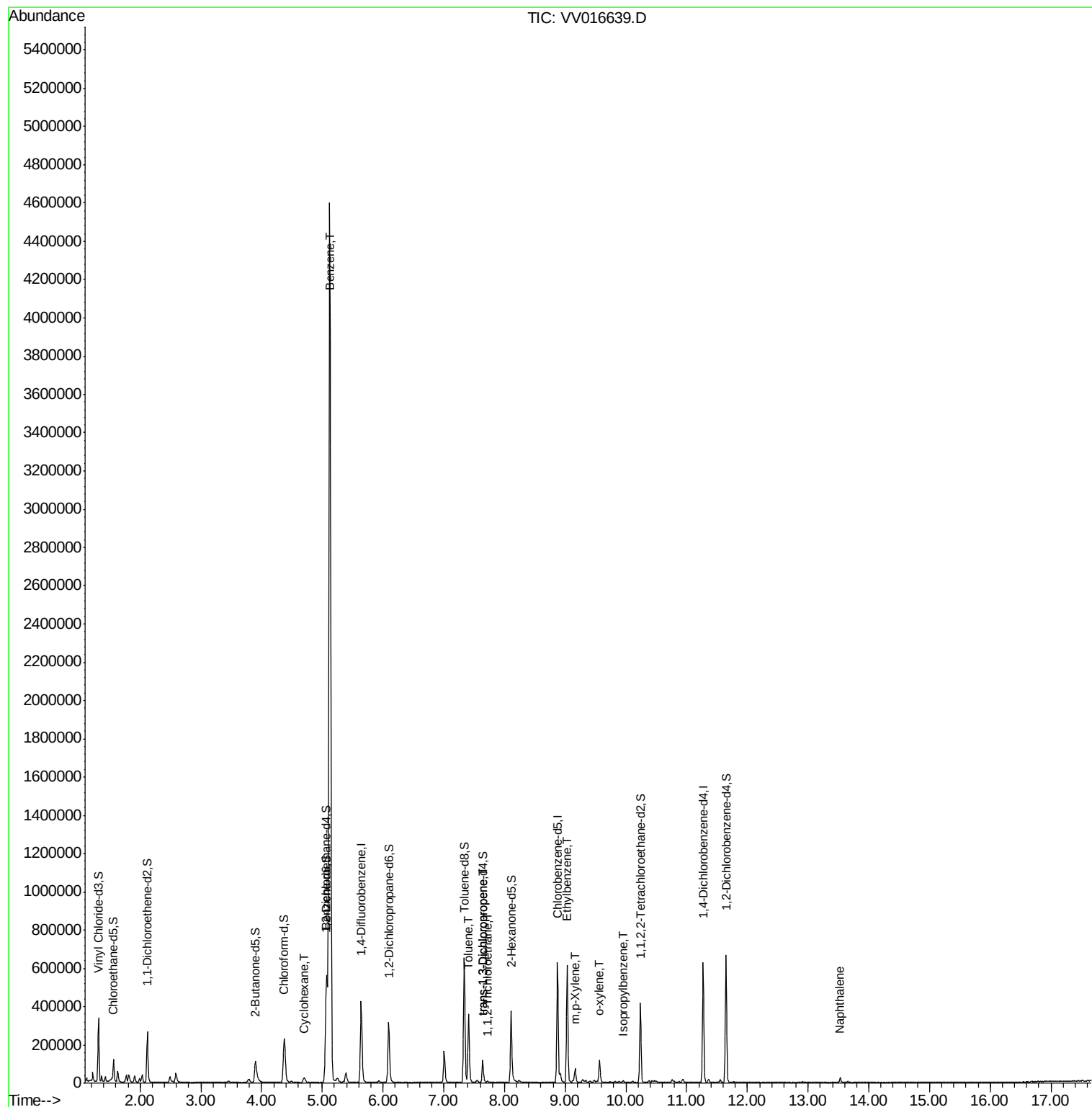
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
29) Cyclohexane	4.70	56	13903	3.581	ug/L	100
33) Benzene	5.12	78	4422033	459.645	ug/L	100
42) Toluene	7.41	91	252946	24.812	ug/L	99
44) trans-1,3-Dichloropropene	7.64	75	3345	0.932	ug/L	91
45) 1,1,2-Trichloroethane	7.72	97	6180	2.549	ug/L #	21
52) Ethylbenzene	9.03	91	409376	36.896	ug/L	100
53) m,p-Xylene	9.16	106	19475	4.655	ug/L	98
54) o-xylene	9.57	106	29597	7.305	ug/L	98
56) Isopropylbenzene	9.95	105	5768	0.548	ug/L	97
69) Naphthalene	13.53	128	17825	1.971	ug/L	98

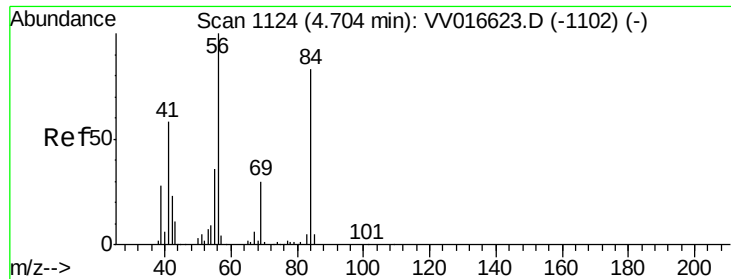
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#29

Cyclohexane

Concen: 3.581 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV016639.D

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Instrument :

MSVOA_V

ClientSampleId :

F9E07DL

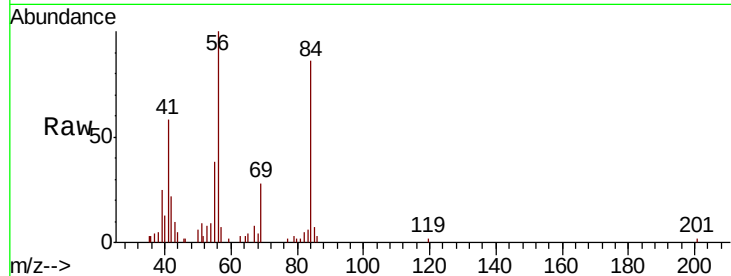
Tot Ion: 56 Resp: 13903

Ion Ratio Lower Upper

56 100

69 30.0 23.9 35.9

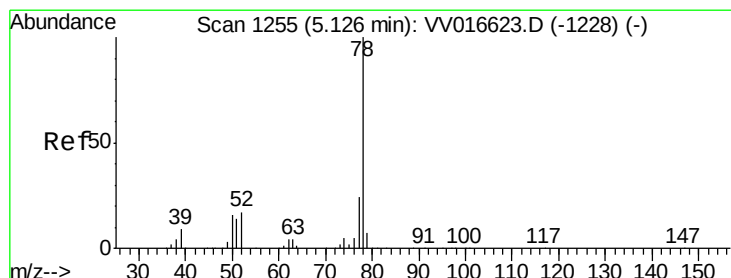
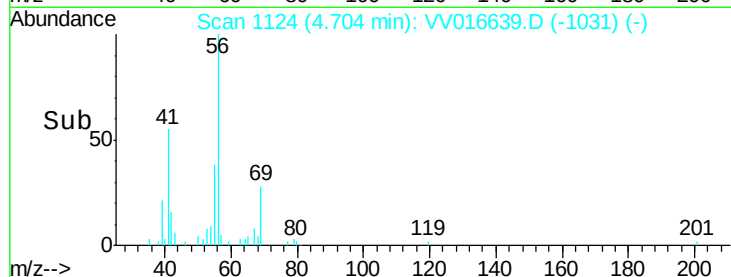
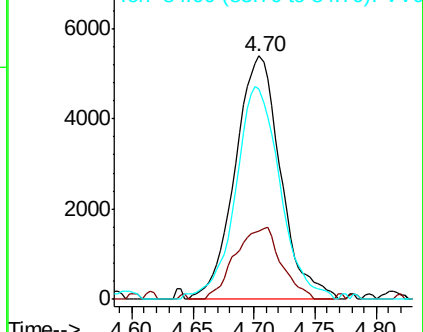
84 85.3 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VV016639.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV016639.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV016639.D (-1031) (-)



#33

Benzene

Concen: 459.645 ug/L

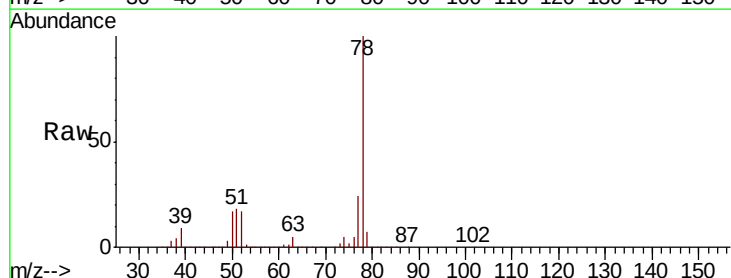
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

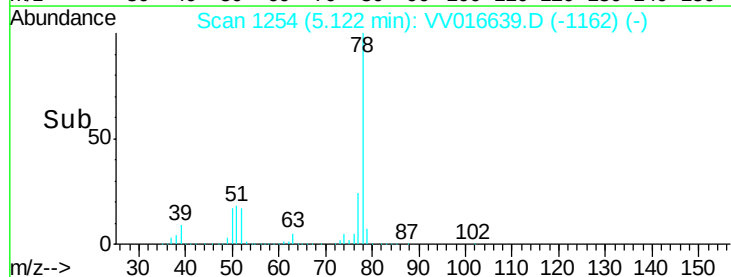
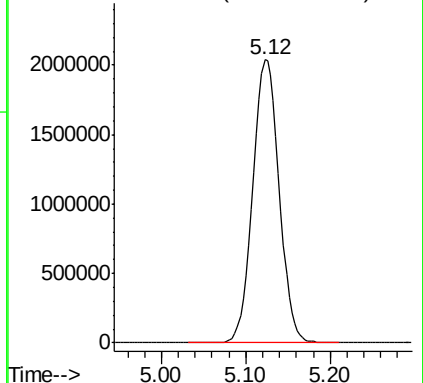
Lab File: VV016639.D

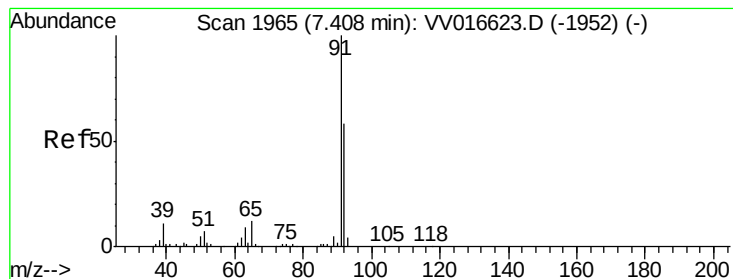
Acq: 07 Jun 2020 12:54

Tgt Ion: 78 Resp: 4422033



Abundance Ion 78.00 (77.70 to 78.70): VV016639.D (-1162) (-)





#42

Toluene

Concen: 24.812 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016639.D

Acq: 07 Jun 2020 12:54

Instrument :

MSVOA_V

ClientSampleId :

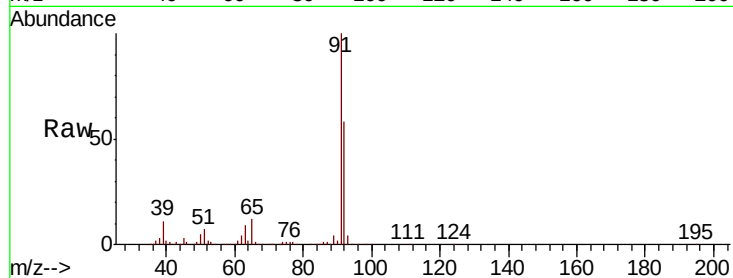
F9E07DL

Tot Ion: 91 Resp: 252946

Ion Ratio Lower Upper

91 100

92 57.8 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

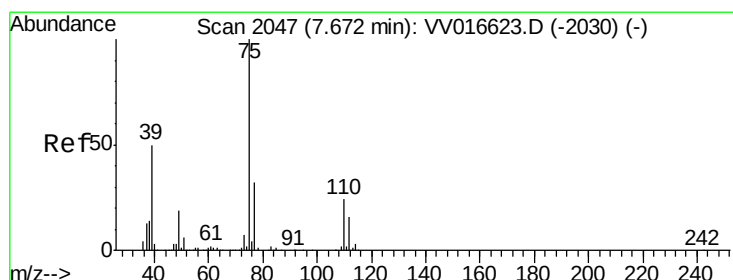
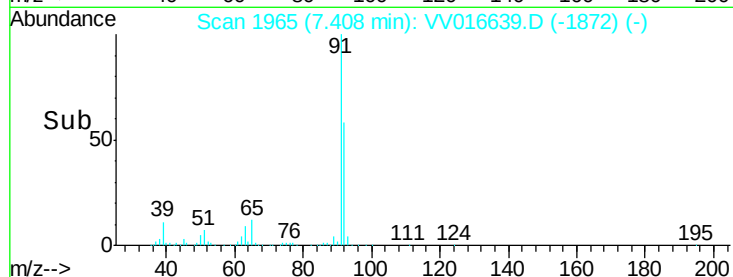
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 0.932 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016639.D

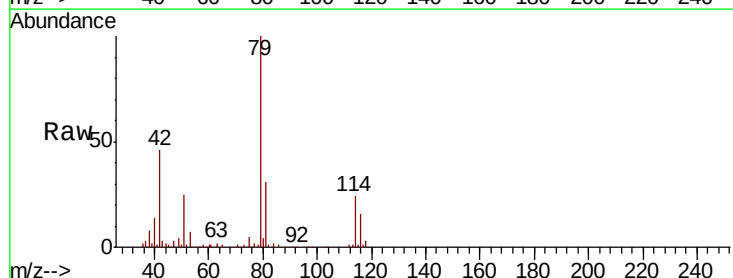
Acq: 07 Jun 2020 12:54

Tgt Ion: 75 Resp: 3345

Ion Ratio Lower Upper

75 100

77 36.5 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.64

2000

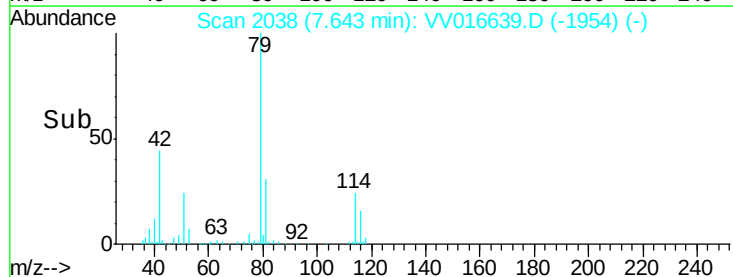
1500

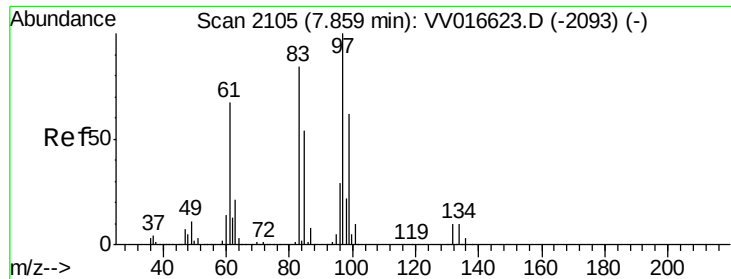
1000

500

0

Time--> 7.60 7.65 7.70

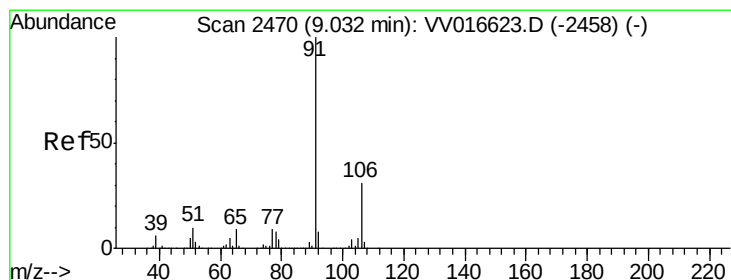
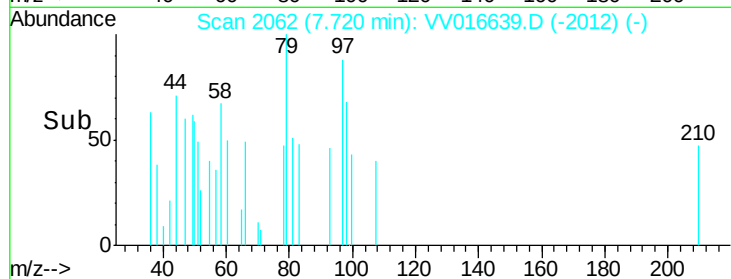
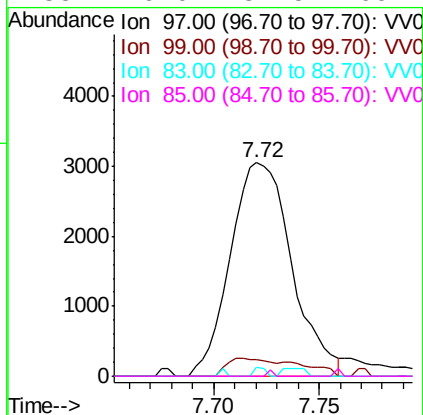
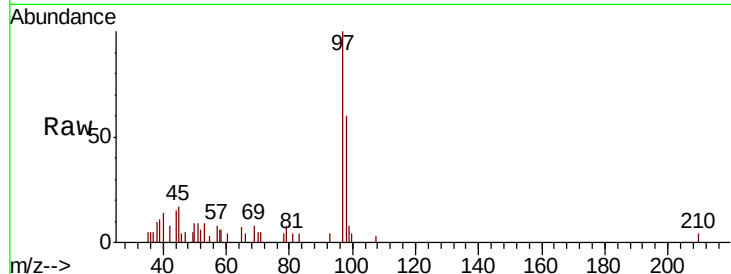




#45
 1,1,2-Trichloroethane
 Concen: 2.549 ug/L
 RT: 7.72 min Scan# 2062
 Delta R.T. -0.14 min
 Lab File: VV016639.D
 Acq: 07 Jun 2020 12:54

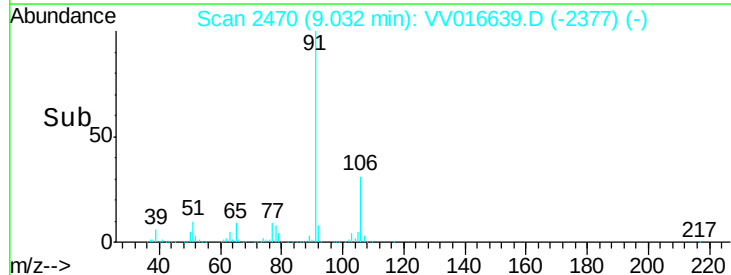
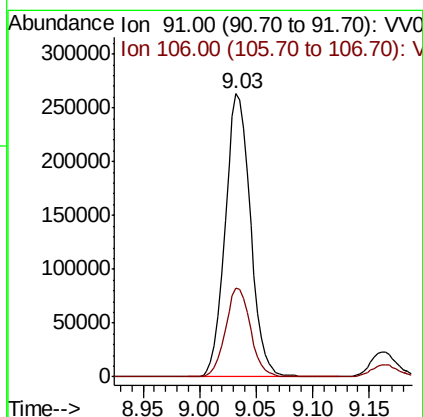
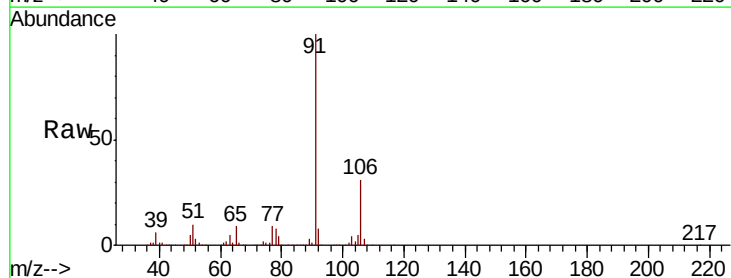
Instrument :
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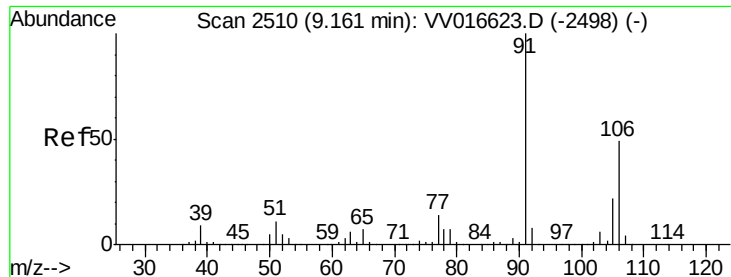
Tot Ion: 97 Resp: 6180
 Ion Ratio Lower Upper
 97 100
 99 8.0 42.9 79.7#
 83 4.0 59.3 110.1#
 85 0.0 37.5 69.7#



#52
 Ethylbenzene
 Concen: 36.896 ug/L
 RT: 9.03 min Scan# 2470
 Delta R.T. 0.00 min
 Lab File: VV016639.D
 Acq: 07 Jun 2020 12:54

Tgt Ion: 91 Resp: 409376
 Ion Ratio Lower Upper
 91 100
 106 31.4 21.8 40.4





#53

m,p-Xylene

Concen: 4.655 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VV016639.D

Acq: 07 Jun 2020 12:54

Instrument :

MSVOA_V

ClientSampleId :

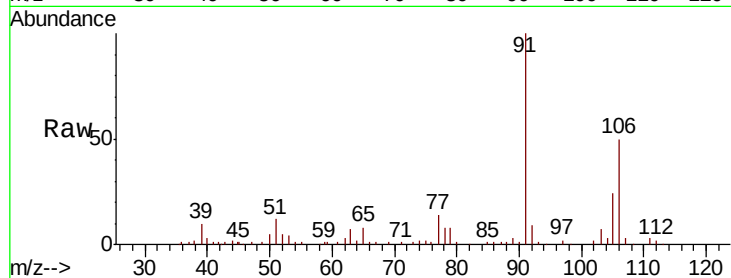
F9E07DL

Tot Ion:106 Resp: 19475

Ion Ratio Lower Upper

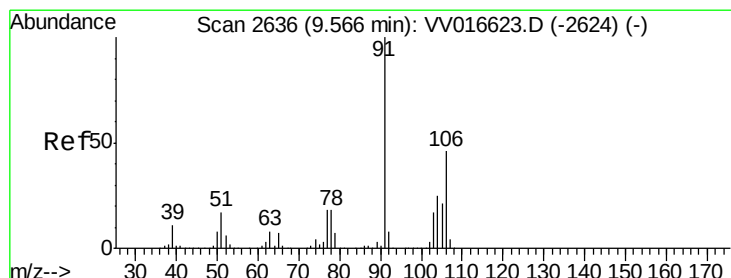
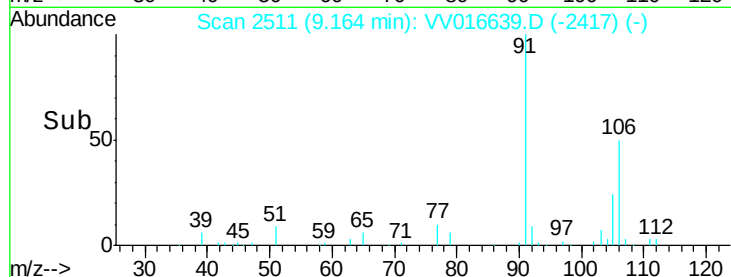
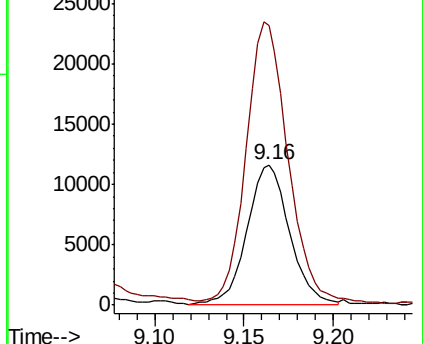
106 100

91 199.8 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 7.305 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016639.D

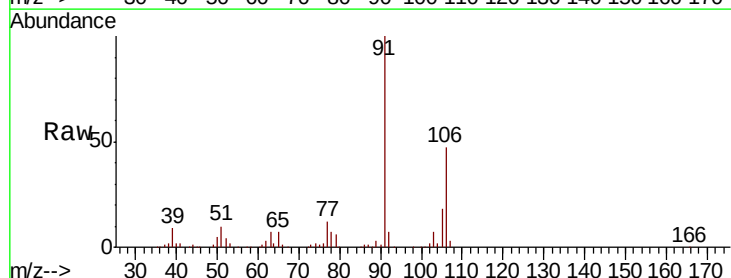
Acq: 07 Jun 2020 12:54

Tgt Ion:106 Resp: 29597

Ion Ratio Lower Upper

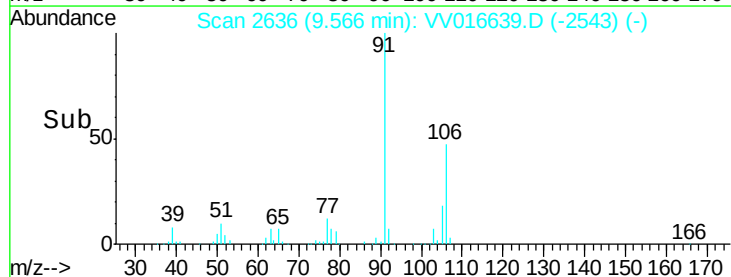
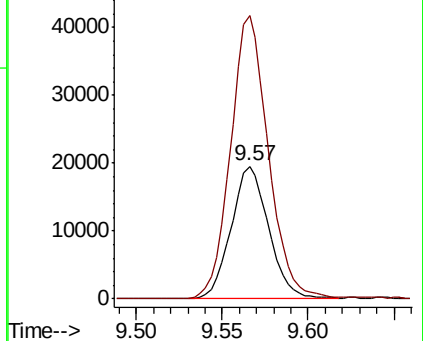
106 100

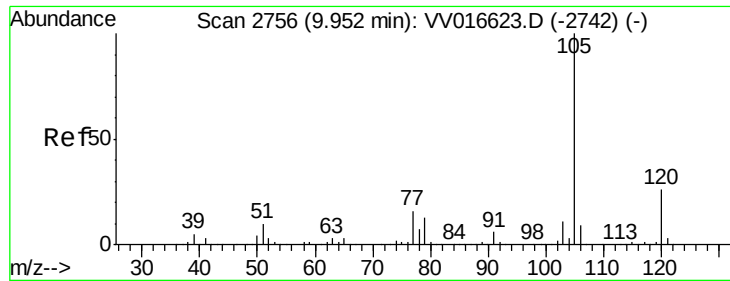
91 213.9 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 0.548 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016639.D

Acq: 07 Jun 2020 12:54

Instrument :

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ClientSampleId :

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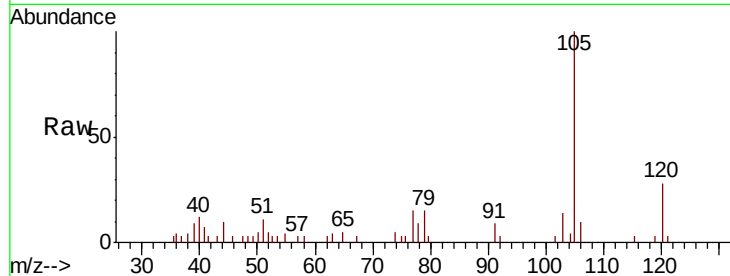
Tot Ion:105 Resp: 5768

Ion Ratio Lower Upper

105 100

120 27.9 21.0 31.6

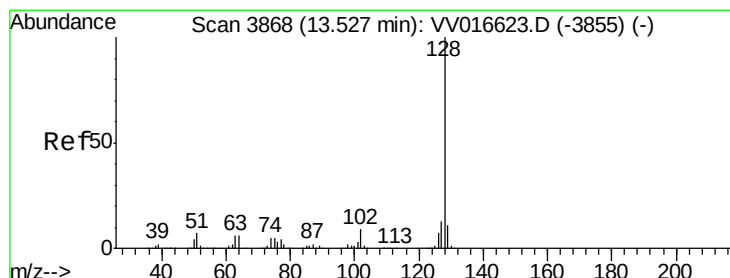
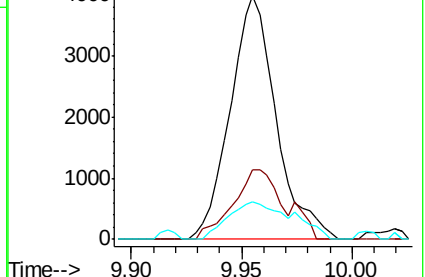
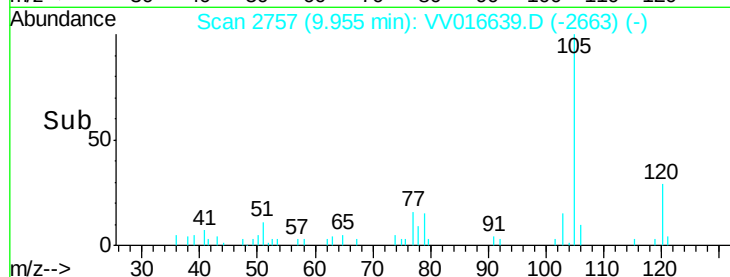
77 16.9 13.0 19.4



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



#69

Naphthalene

Concen: 1.971 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016639.D

Acq: 07 Jun 2020 12:54

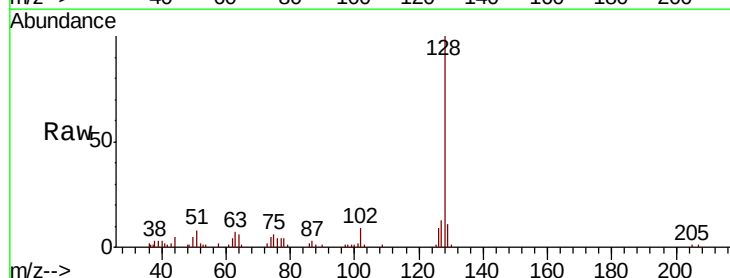
Tgt Ion:128 Resp: 17825

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

