

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060520\
 Data File : VV016550.D
 Acq On : 05 Jun 2020 20:50
 Operator : SY/MD
 Sample : L2872-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 06 00:14:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 00:07:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	423296	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	391332	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	187039	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	118534	39.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.08%
7) Chloroethane-d5	1.56	69	86607	40.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.02%
11) 1,1-Dichloroethene-d2	2.12	63	164176	30.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.78%
21) 2-Butanone-d5	3.89	46	186976	97.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.53%
24) Chloroform-d	4.37	84	236131	41.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.94%
26) 1,2-Dichloroethane-d4	5.05	65	169487	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
32) Benzene-d6	5.07	84	492728	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.09	67	152761	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.54%
41) Toluene-d8	7.34	98	438442	46.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.10%
43) trans-1,3-Dichloropropene-	7.64	79	64519	40.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.06%
47) 2-Hexanone-d5	8.11	63	145449	103.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.98%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	202792	45.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.56%
64) 1,2-Dichlorobenzene-d4	11.65	152	177839	50.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

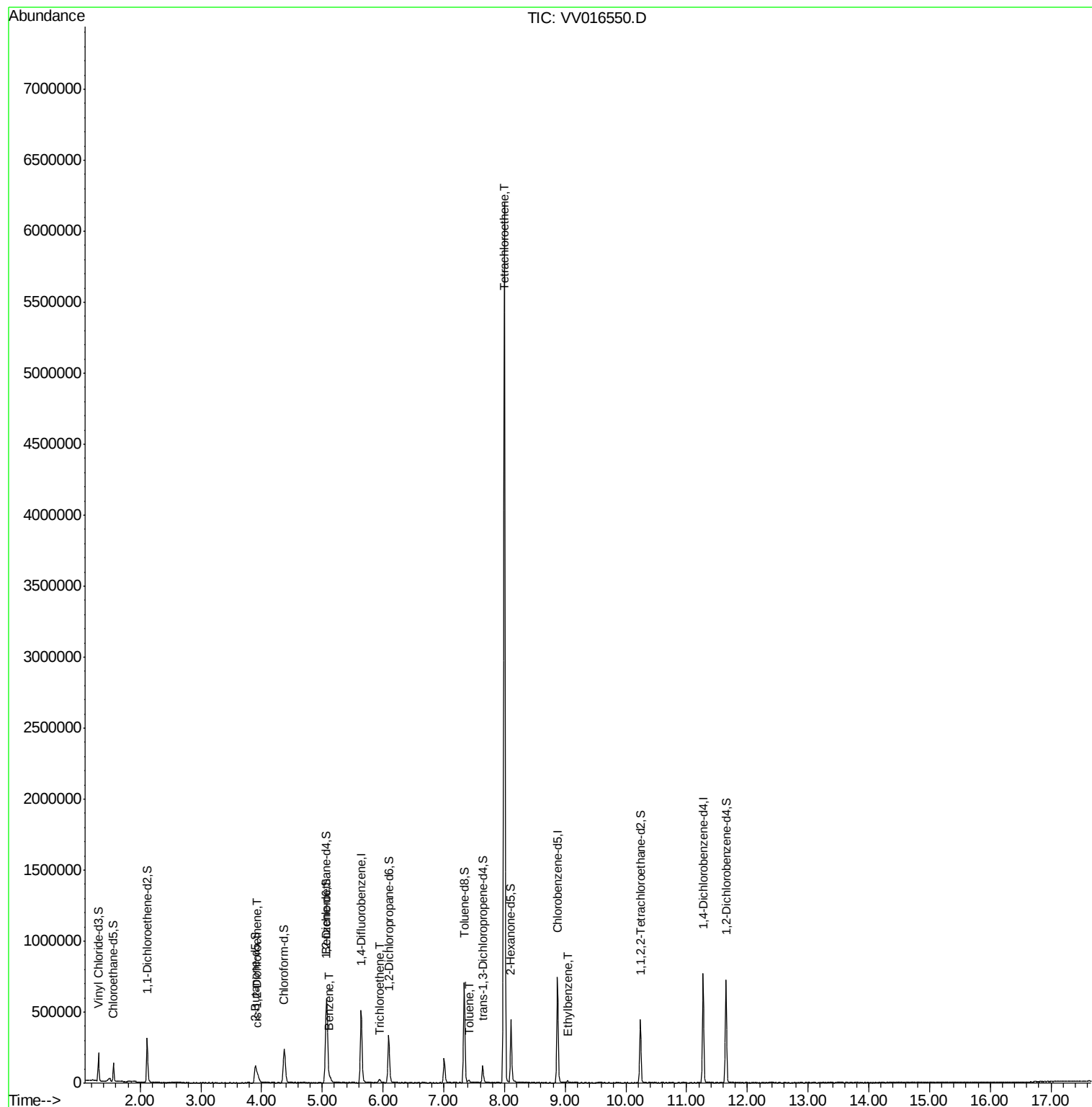
					Ovalue
20) cis-1,2-Dichloroethene	3.94	96	18774	5.867 ug/L	98
33) Benzene	5.12	78	35461	3.081 ug/L	100
34) Trichloroethene	5.95	95	7411	2.454 ug/L	92
42) Toluene	7.41	91	12062	0.989 ug/L	100
46) Tetrachloroethene	8.00	164	1338956	575.049 ug/L	99
52) Ethylbenzene	9.04	91	9202	0.693 ug/L	99

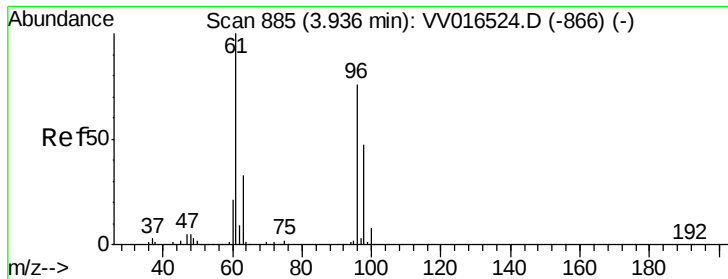
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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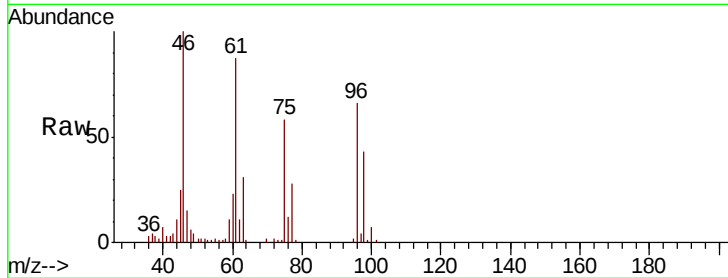


#20

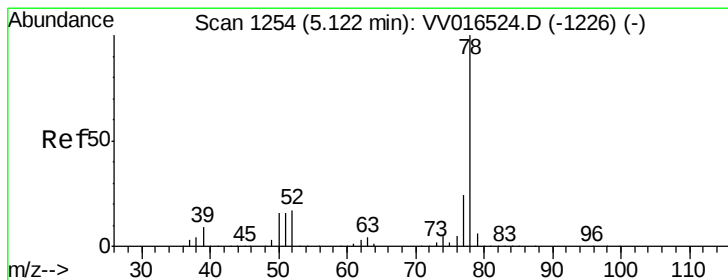
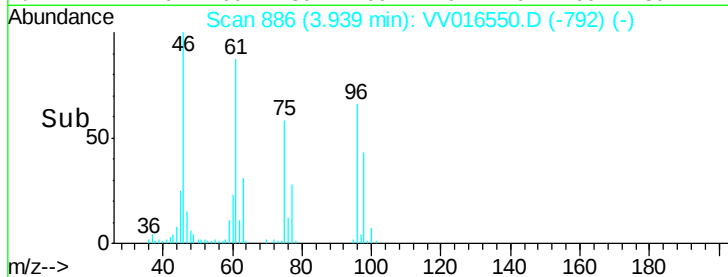
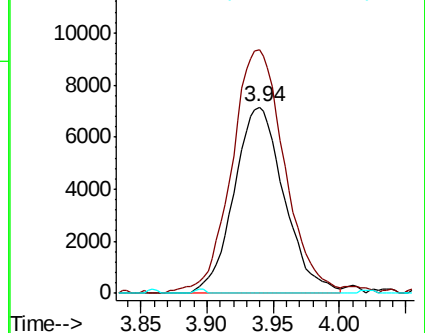
cis-1,2-Dichloroethene
Concen: 5.867 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV016550.D
Acq: 05 Jun 2020 20:50

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 18774
Ion Ratio Lower Upper
96 100
61 130.8 93.4 173.4
68 0.0 0.0 0.0



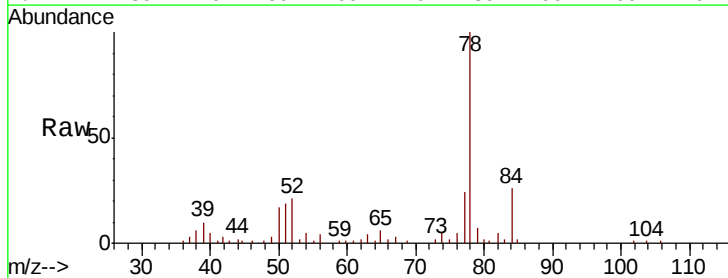
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



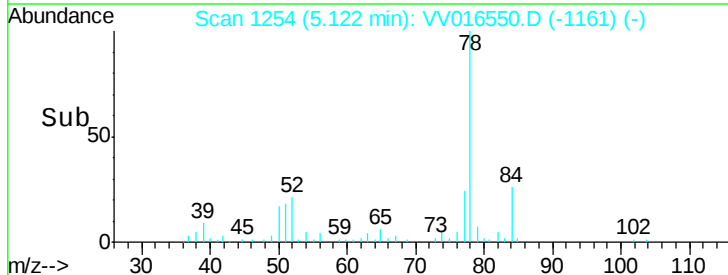
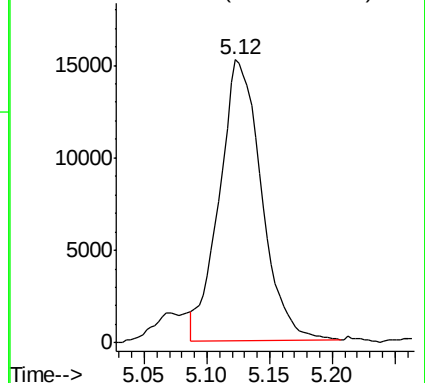
#33

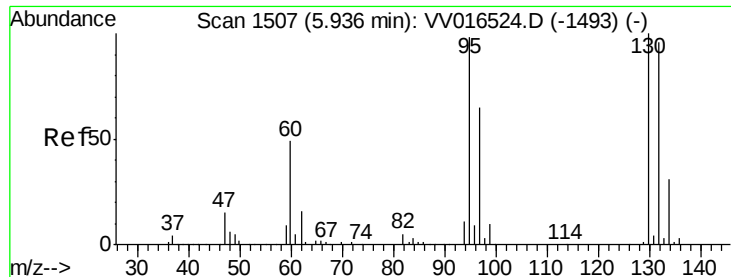
Benzene
Concen: 3.081 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV016550.D
Acq: 05 Jun 2020 20:50

Tgt Ion: 78 Resp: 35461



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 2.454 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV016550.D

Acq: 05 Jun 2020 20:50

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 7411

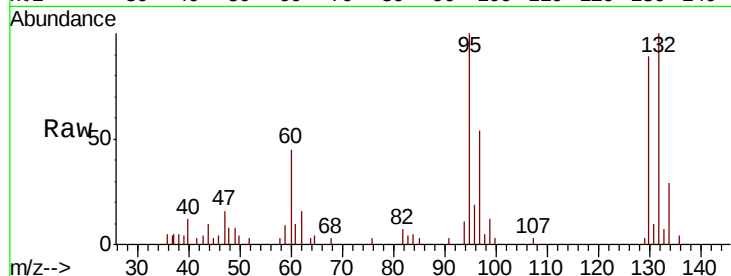
Ion Ratio Lower Upper

95 100

97 54.3 42.8 79.6

132 100.4 65.6 121.8

130 89.9 69.0 128.1

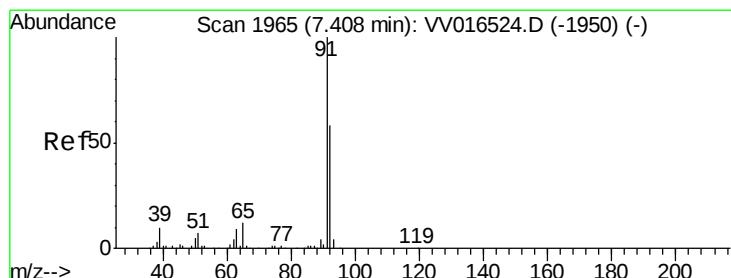
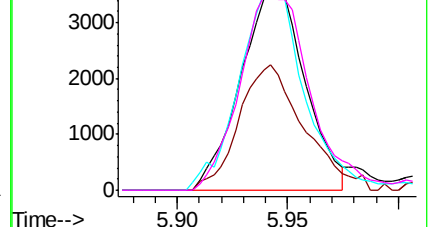
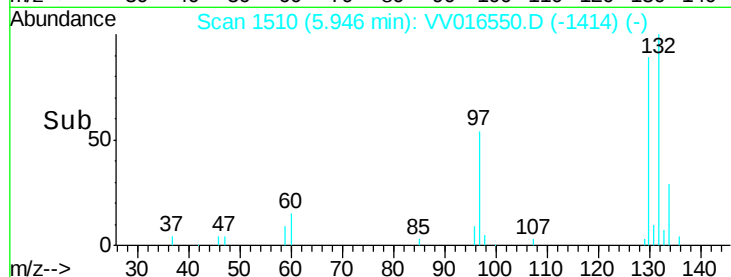


Abundance Ion 95.00 (94.70 to 95.70): VV016550.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV016550.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV016550.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV016550.D (-1414) (-)



#42

Toluene

Concen: 0.989 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016550.D

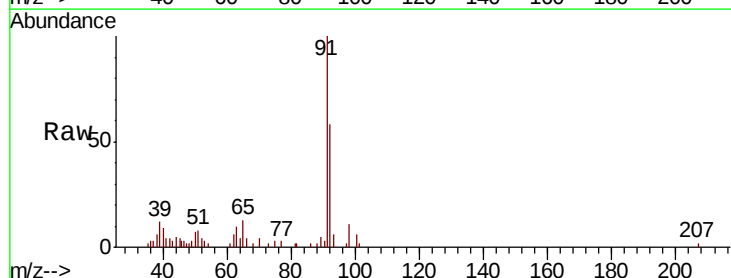
Acq: 05 Jun 2020 20:50

Tgt Ion: 91 Resp: 12062

Ion Ratio Lower Upper

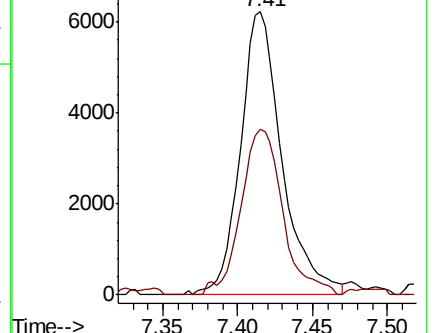
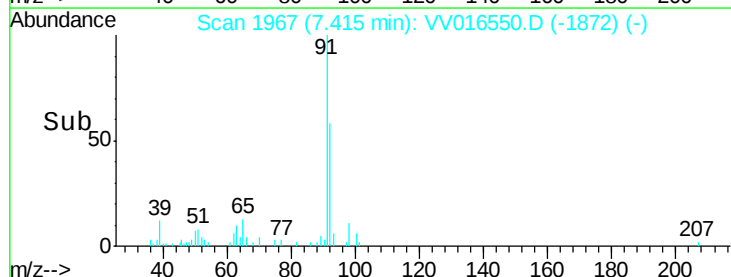
91 100

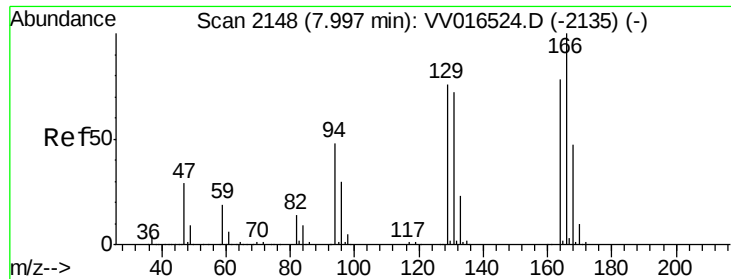
92 58.4 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV016550.D (-1872) (-)

Ion 92.00 (91.70 to 92.70): VV016550.D (-1872) (-)





#46

Tetrachloroethene

Concen: 575.049 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016550.D

Acq: 05 Jun 2020 20:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 1338956

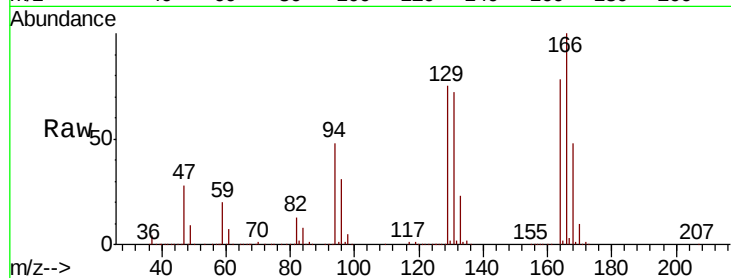
Ion Ratio Lower Upper

164 100

129 95.6 67.7 125.7

131 92.1 63.8 118.6

166 128.1 88.7 164.7



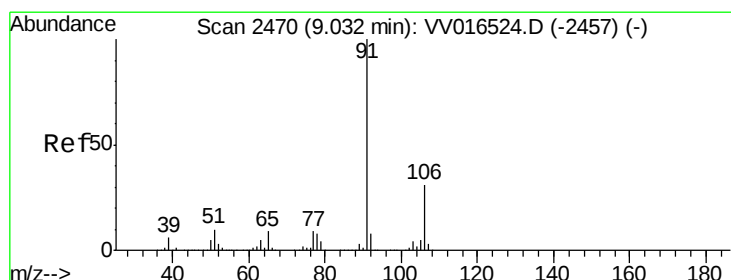
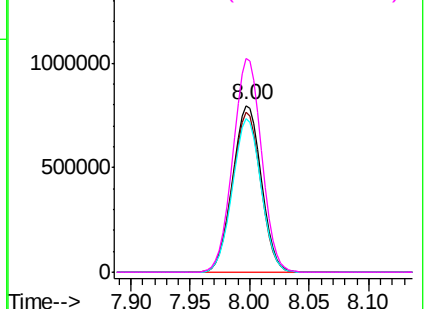
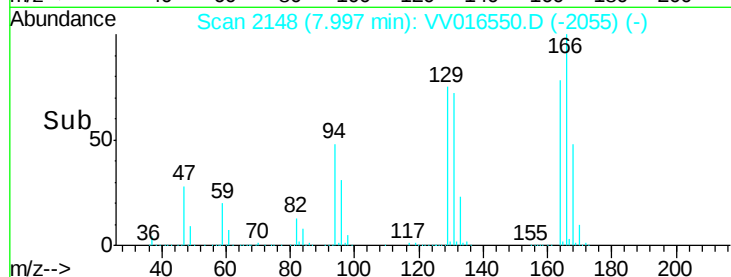
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#52

Ethylbenzene

Concen: 0.693 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016550.D

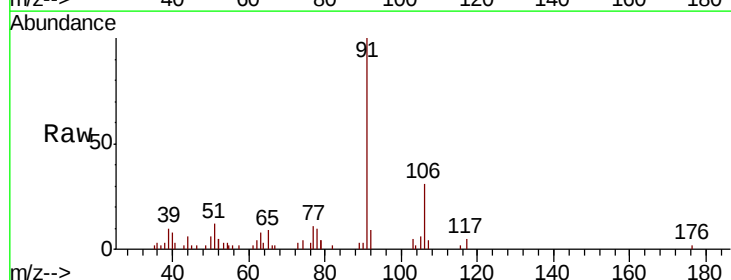
Acq: 05 Jun 2020 20:50

Tgt Ion: 91 Resp: 9202

Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.4



Abundance

Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V

