

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016288.D
 Acq On : 28 May 2020 19:48
 Operator : SY/MD
 Sample : L2756-09
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETKX1

Quant Time: May 29 03:15:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 01:10:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	83404	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	83961	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	42613	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23101	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.58	69	21489	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.13	63	32956	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	3.94	46	73891	55.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.22%
24) Chloroform-d	4.38	84	49100	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.06	65	28156	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.08	84	97832	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.10	67	31152	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.34	98	88541	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
45) trans-1,3-Dichloropropene-	7.64	79	10548	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
48) 2-Hexanone-d5	8.11	63	54131	49.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.42%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	22707	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	33848	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

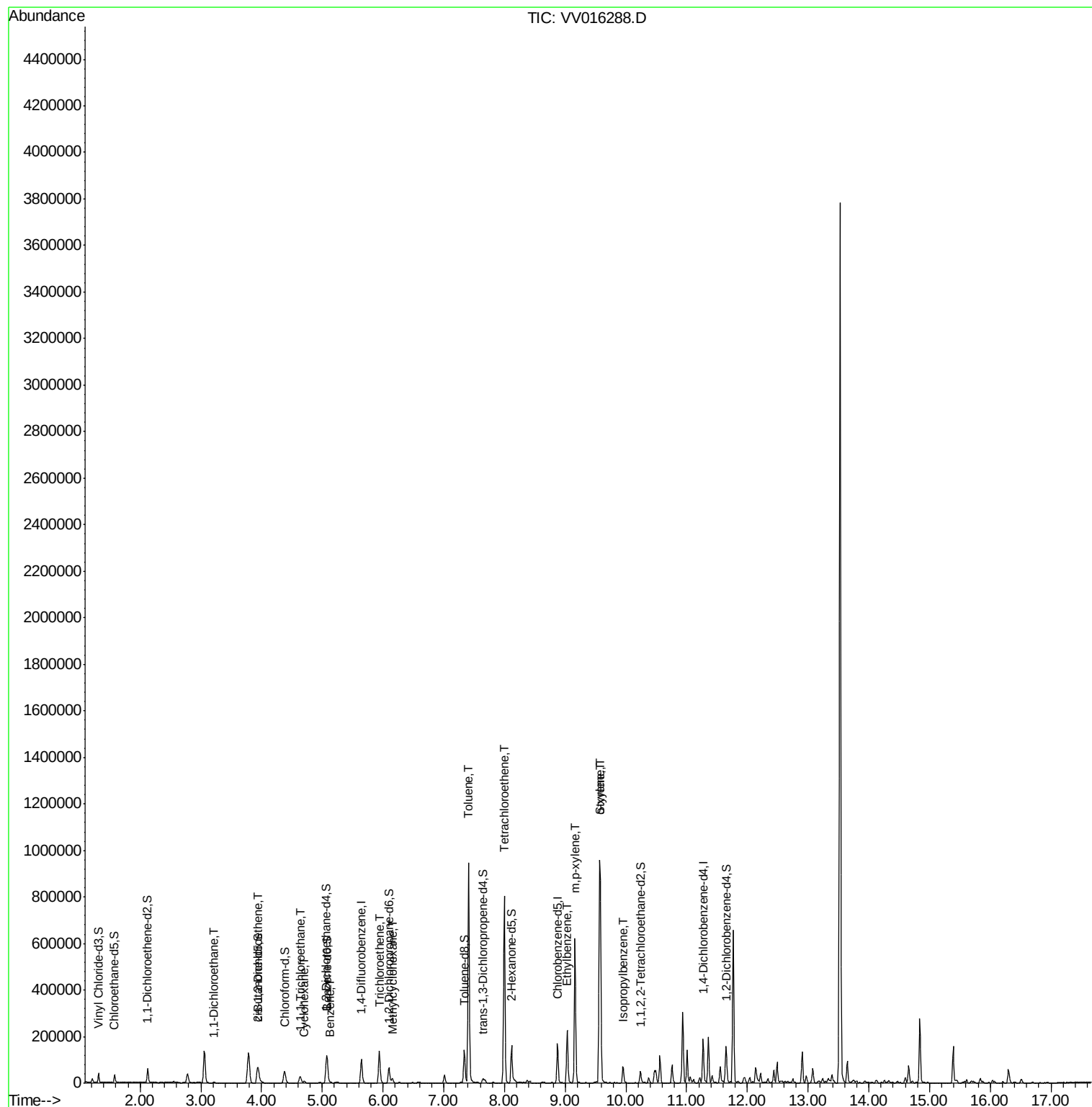
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
19) 1,1-Dichloroethane	3.21	63	3002	0.294	ug/L	94
22) cis-1,2-Dichloroethene	3.94	96	17981	2.824	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	23128	2.321	ug/L	99
30) Cyclohexane	4.70	56	3086	0.289	ug/L	99
33) Benzene	5.14	78	3759	0.156	ug/L	100
34) Trichloroethene	5.94	95	47738	7.584	ug/L	98
35) Methylcyclohexane	6.15	83	7051	0.664	ug/L	95
42) Toluene	7.41	91	640725	24.317	ug/L	99
49) Tetrachloroethene	8.00	164	159515	35.300	ug/L	99
54) Ethylbenzene	9.04	91	147991	5.039	ug/L	99
55) m,p-xylene	9.16	106	154764	14.053	ug/L	98
56) o-xylene	9.57	106	177391	16.902	ug/L	97
57) Styrene	9.58	104	277055	15.863	ug/L	99
58) Isopropylbenzene	9.95	105	41922	1.458	ug/L	98

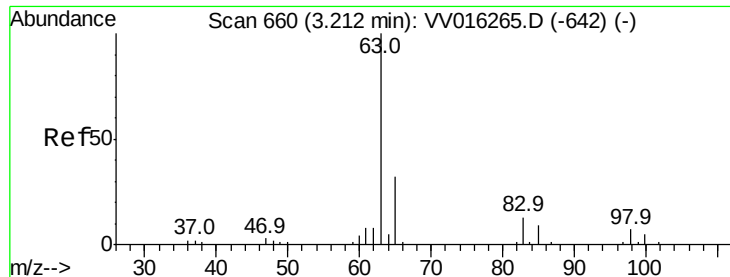
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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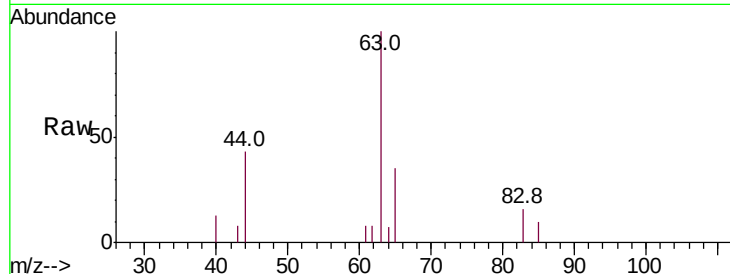


#19
 1,1-Dichloroethane
 Concen: 0.294 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016288.D
 Acq: 28 May 2020 19:48

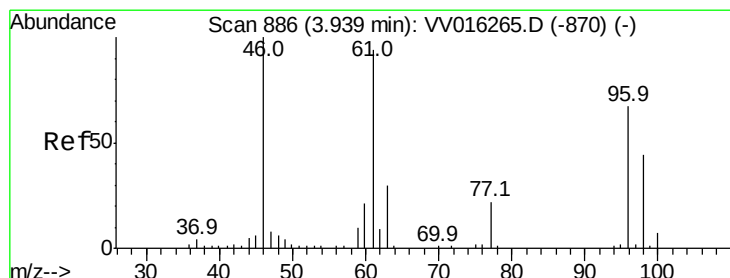
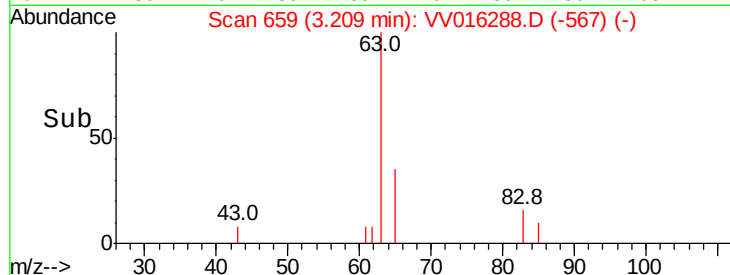
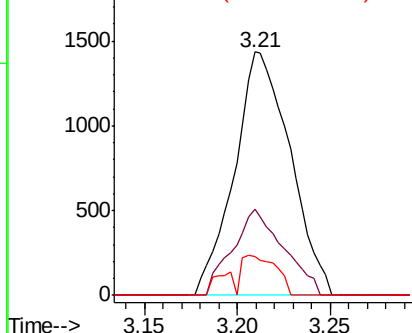
Instrument :
 MSVOA_V
 ClientSampleId :
 ETKX1

Tot Ion: 63 Resp: 3002

Ion	Ratio	Lower	Upper
63	100		
65	35.5	22.3	41.5
83	15.7	9.4	17.4



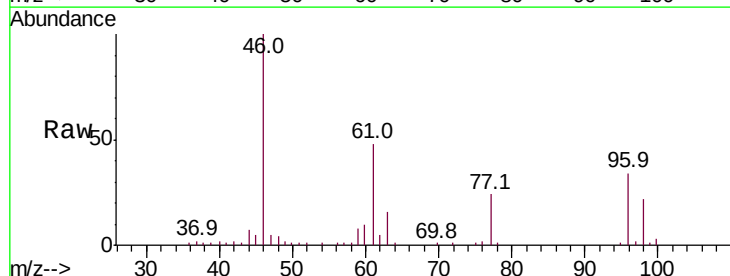
Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0



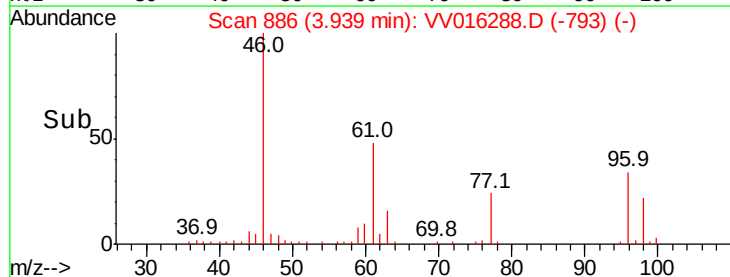
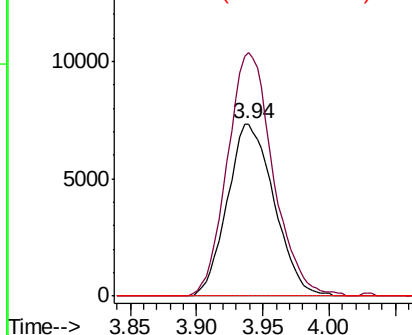
#22
 cis-1,2-Dichloroethene
 Concen: 2.824 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV016288.D
 Acq: 28 May 2020 19:48

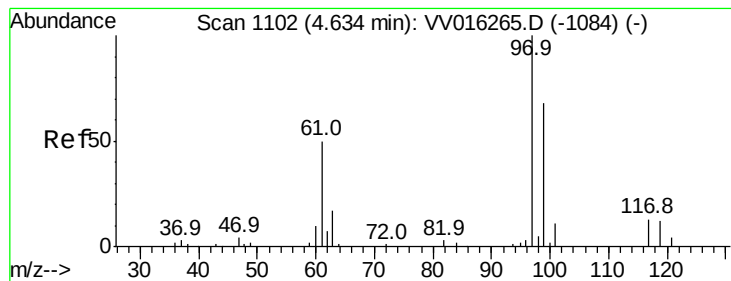
Tgt Ion: 96 Resp: 17981

Ion	Ratio	Lower	Upper
96	100		
61	141.2	99.7	185.1
68	0.0	0.0	0.0



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





#29

1,1,1-Trichloroethane

Concen: 2.321 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV016288.D

Acq: 28 May 2020 19:48

Instrument :

MSVOA_V

ClientSampleId :

ETKX1

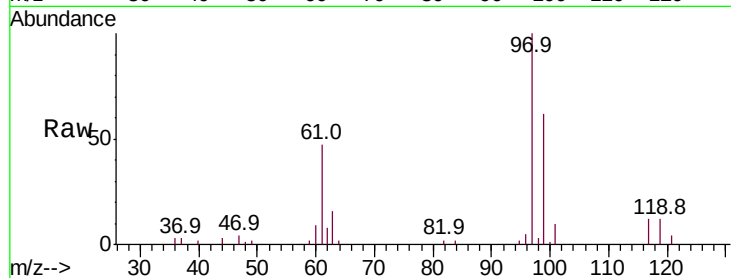
Tot Ion: 97 Resp: 23128

Ion Ratio Lower Upper

97 100

99 63.7 51.2 76.8

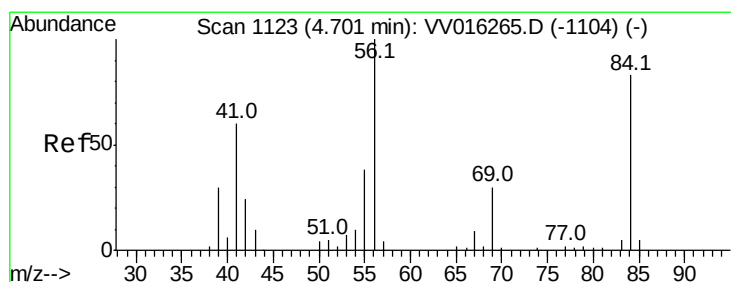
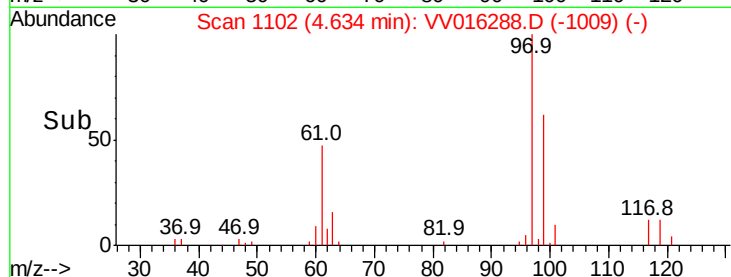
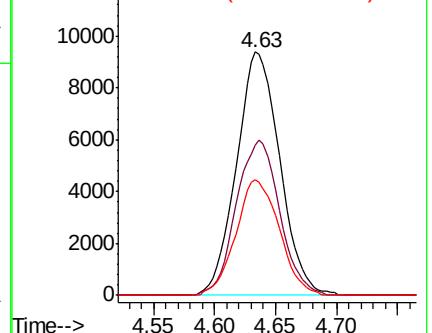
61 47.6 38.6 57.8



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.289 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV016288.D

Acq: 28 May 2020 19:48

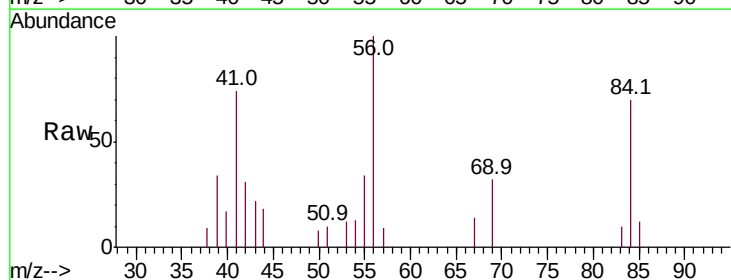
Tgt Ion: 56 Resp: 3086

Ion Ratio Lower Upper

56 100

69 31.3 24.6 36.8

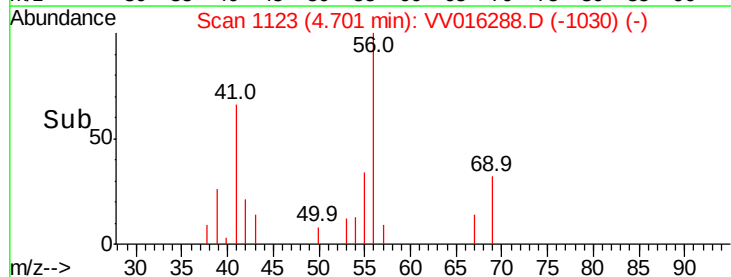
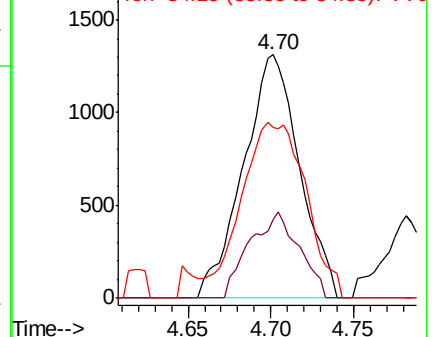
84 82.8 67.1 100.7

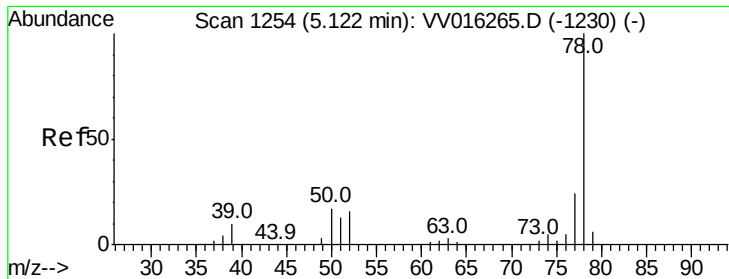


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#33

Benzene

Concen: 0.156 ug/L

RT: 5.14 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VV016288.D

Acq: 28 May 2020 19:48

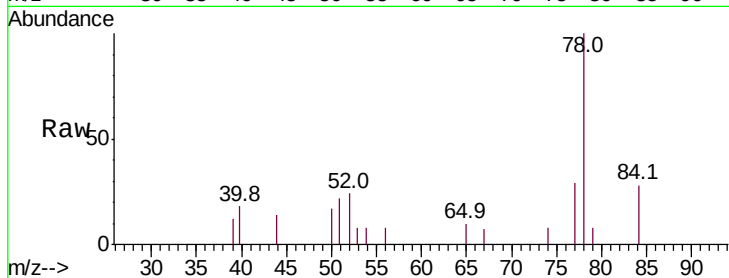
Instrument :

MSVOA_V

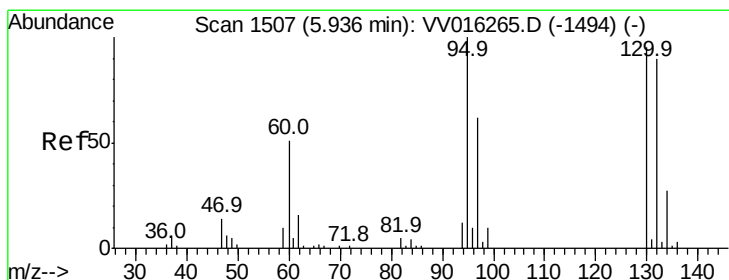
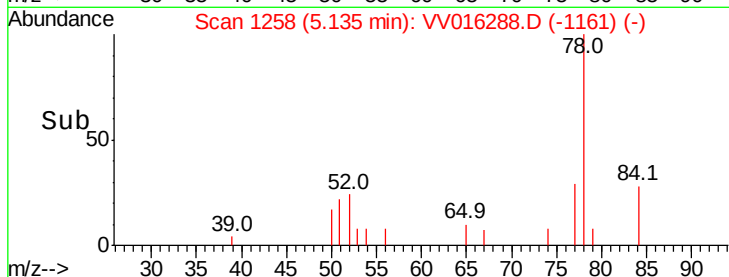
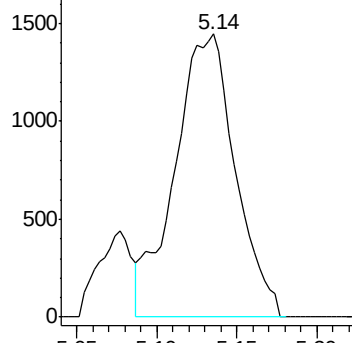
ClientSampled :

ETKX1

Tgt Ion: 78 Resp: 3759



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 7.584 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016288.D

Acq: 28 May 2020 19:48

Tgt Ion: 95 Resp: 47738

Ion	Ratio	Lower	Upper
95	100		
97	64.7	43.6	81.0
132	91.1	63.9	118.7
130	96.1	65.2	121.0

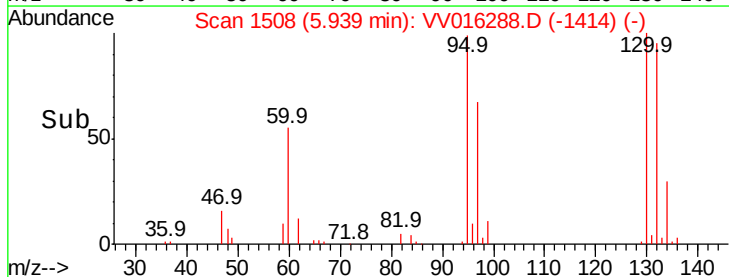
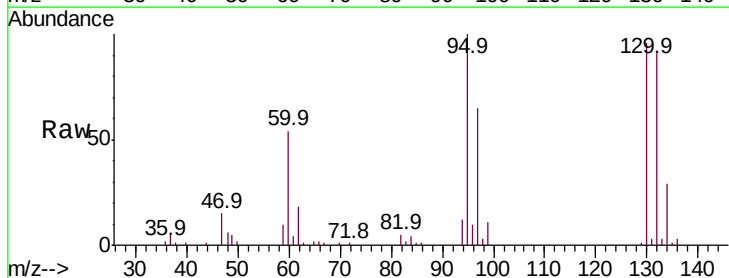
95 100

97 64.7 43.6 81.0

132 91.1 63.9 118.7

130 96.1 65.2 121.0

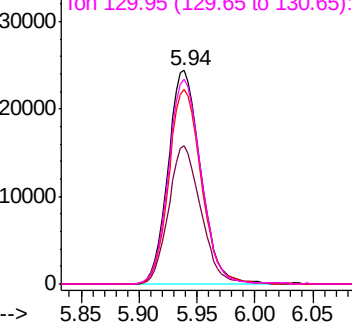
Abundance Ion 95.00 (94.70 to 95.70): VV0

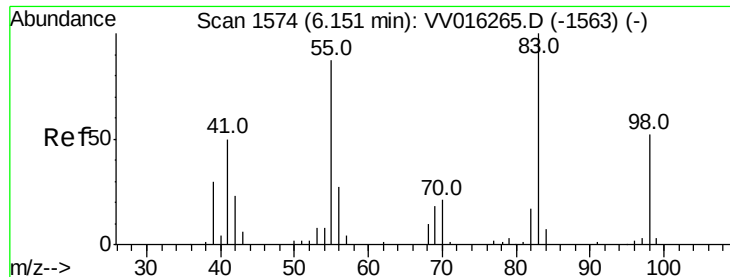


Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

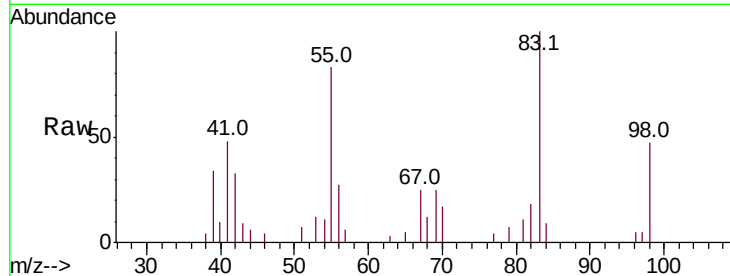




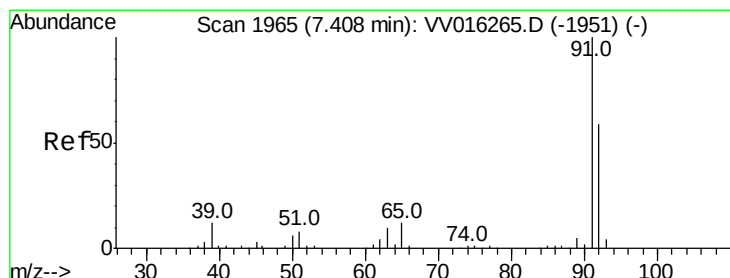
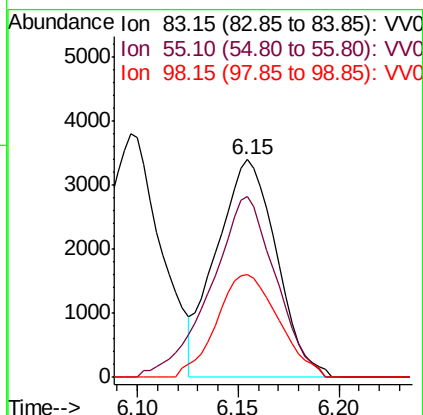
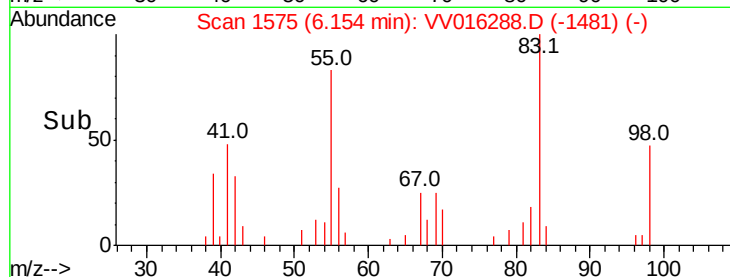
#35
Methylvlcyclohexane
Concen: 0.664 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV016288.D
Acq: 28 May 2020 19:48

Instrument :
MSVOA_V
ClientSampleId :
ETKX1

Tot Ion: 83 Resp: 7051
Ion Ratio Lower Upper
83 100
55 89.1 65.4 98.0
98 48.9 39.3 58.9

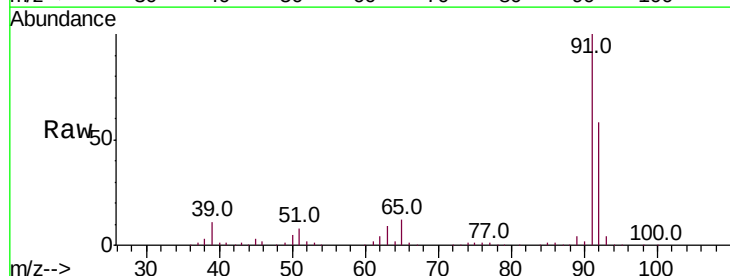


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

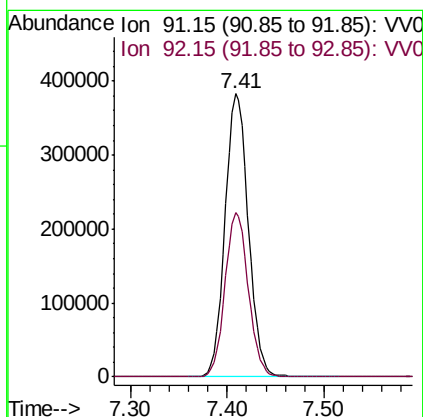
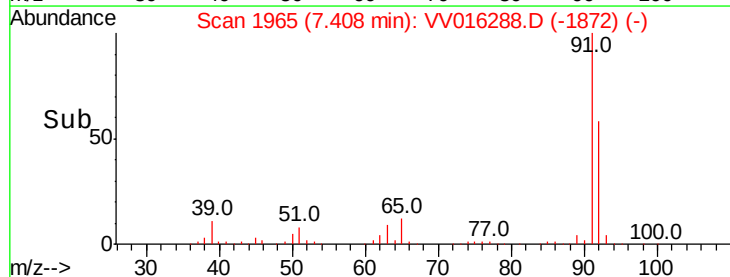


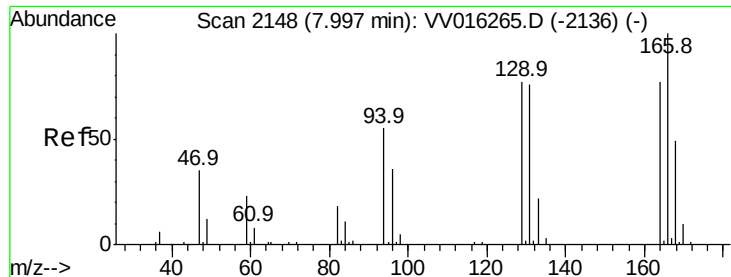
#42
Toluene
Concen: 24.317 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV016288.D
Acq: 28 May 2020 19:48

Tgt Ion: 91 Resp: 640725
Ion Ratio Lower Upper
91 100
92 57.9 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0





#49

Tetrachloroethene

Concen: 35.300 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016288.D

Acq: 28 May 2020 19:48

Instrument :
MSVOA_V
ClientSampleId :
ETKX1

Tot Ion:164 Resp: 159515

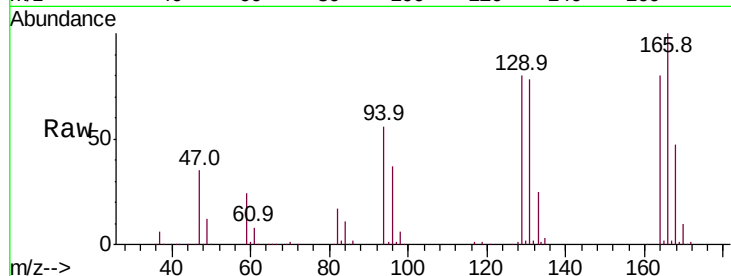
Ion Ratio Lower Upper

164 100

129 101.0 70.7 131.3

131 97.5 66.6 123.8

166 125.6 86.9 161.5

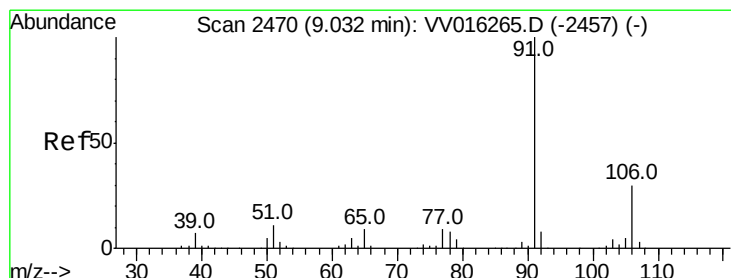
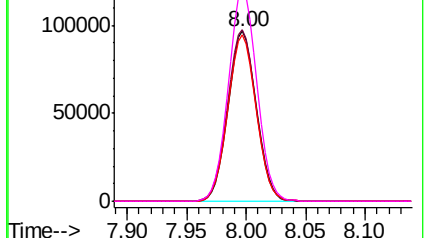
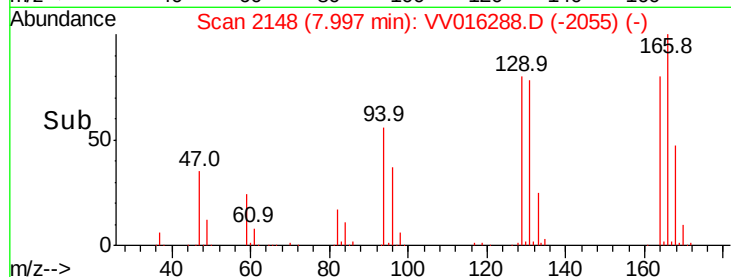


Abundance Ion 163.90 (163.60 to 164.60): V

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



#54

Ethylbenzene

Concen: 5.039 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016288.D

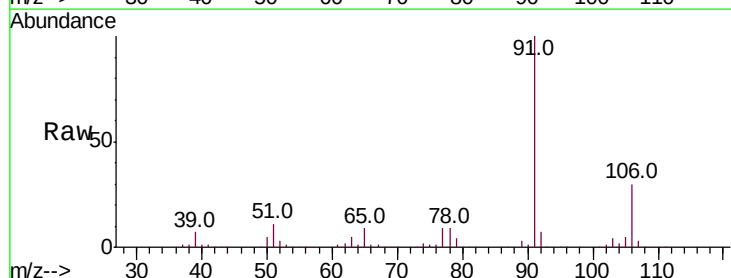
Acq: 28 May 2020 19:48

Tgt Ion: 91 Resp: 147991

Ion Ratio Lower Upper

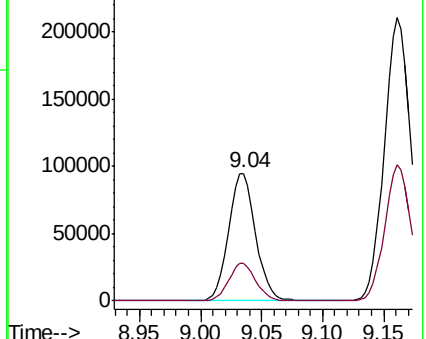
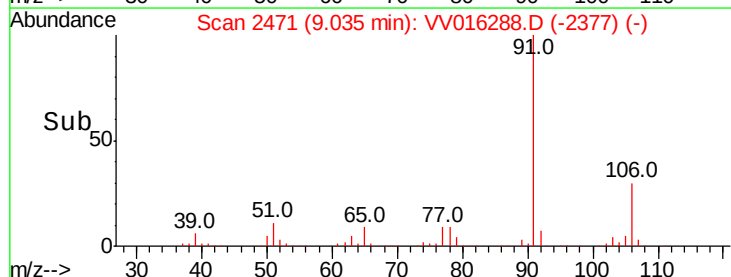
91 100

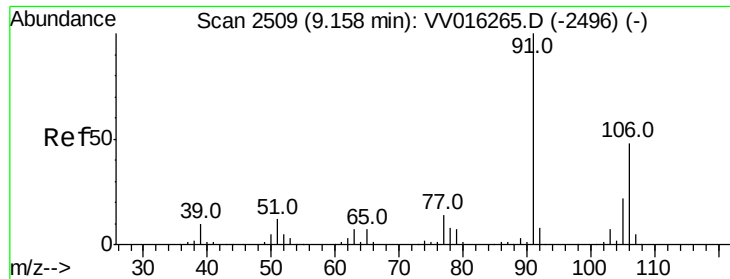
106 29.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V

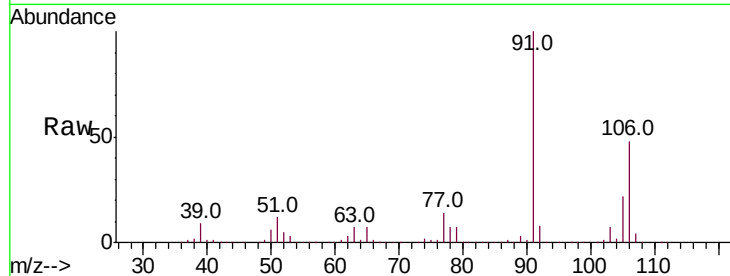




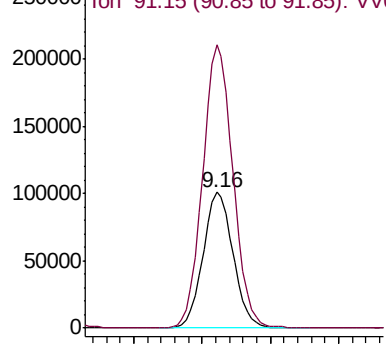
#55
m,p-xylene
Concen: 14.053 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016288.D
Acq: 28 May 2020 19:48

Instrument :
MSVOA_V
ClientSampled :
ETKX1

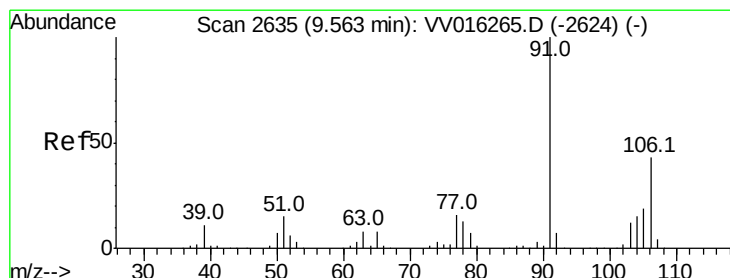
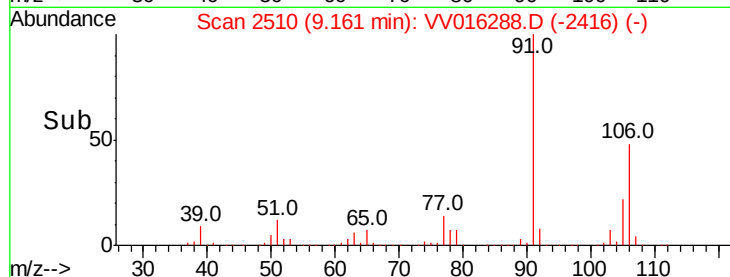
Tot Ion:106 Resp: 154764
Ion Ratio Lower Upper
106 100
91 208.4 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

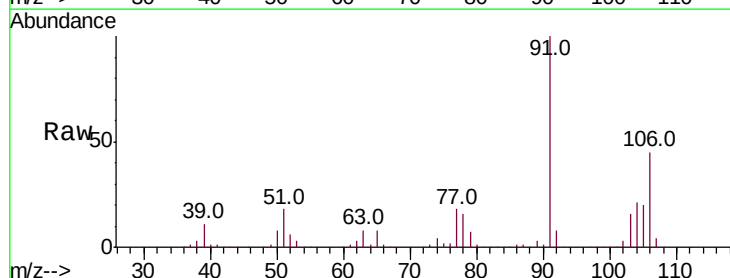


Time-->

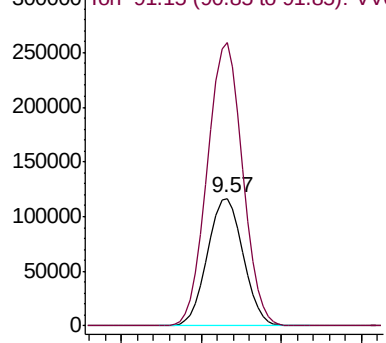


#56
o-xylene
Concen: 16.902 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016288.D
Acq: 28 May 2020 19:48

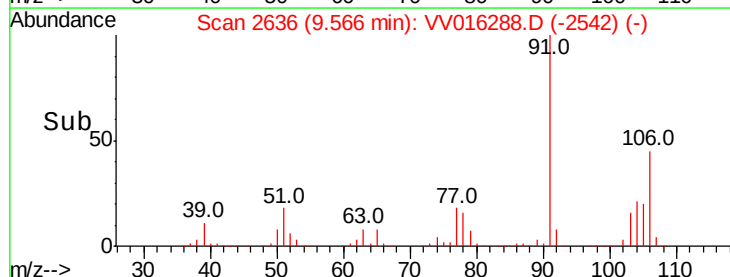
Tgt Ion:106 Resp: 177391
Ion Ratio Lower Upper
106 100
91 222.1 158.8 294.8

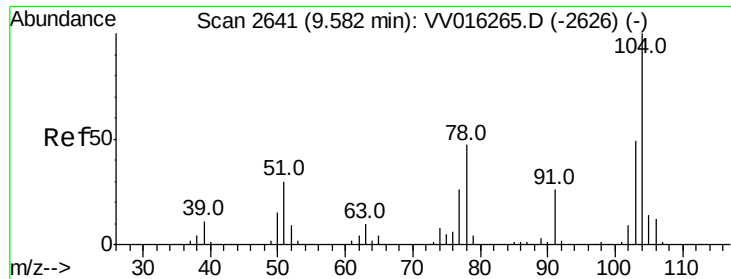


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



Time-->





#57

Stvrene

Concen: 15.863 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016288.D

Acq: 28 May 2020 19:48

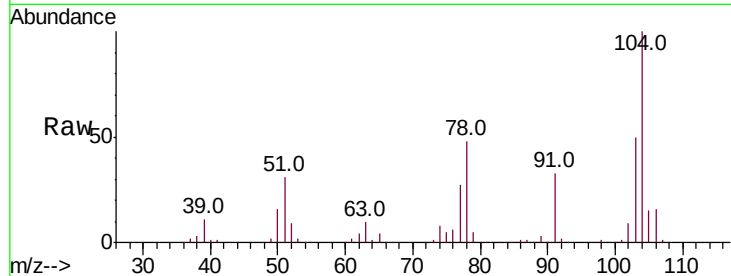
Instrument :
MSVOA_V
ClientSampled :
ETKX1

Tot Ion:104 Resp: 277055

Ion Ratio Lower Upper

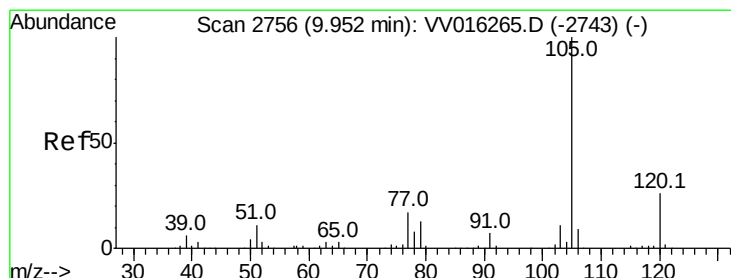
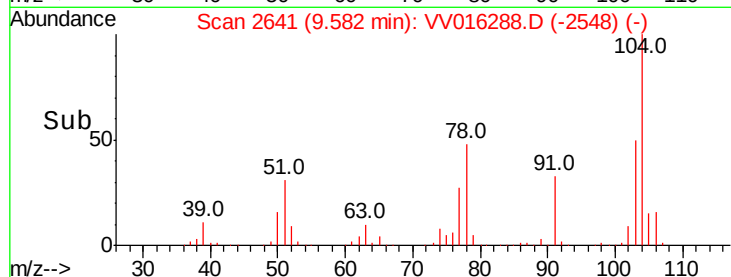
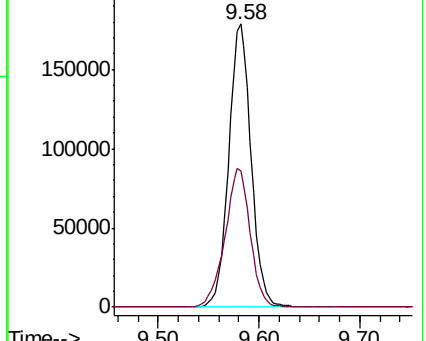
104 100

78 48.3 33.2 61.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#58

Isopropylbenzene

Concen: 1.458 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016288.D

Acq: 28 May 2020 19:48

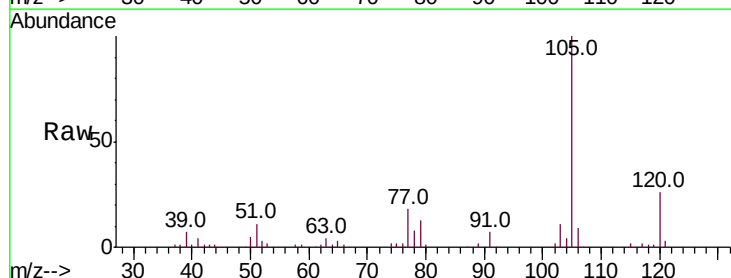
Tgt Ion:105 Resp: 41922

Ion Ratio Lower Upper

105 100

120 26.9 20.9 31.3

77 18.7 13.9 20.9



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

