

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072420\
 Data File : VV017653.D
 Acq On : 24 Jul 2020 18:36
 Operator : SY/MD
 Sample : L3395-11DL2 1000X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 25 00:11:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 25 00:05:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	165626	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	157834	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	83022	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35971	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.58	69	29890	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.12	63	60623	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	3.95	46	80286	42.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.88%
24) Chloroform-d	4.37	84	91340	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.06	65	49041	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.07	84	166472	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.10	67	45981	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.34	98	157511	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
45) trans-1,3-Dichloropropene-	7.65	79	19960	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
48) 2-Hexanone-d5	8.12	63	56035	41.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.50%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	30076	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	64618	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	806	0.082 ug/L #	25
16) Methylene chloride	2.52	84	2787	0.281 ug/L	97
30) Cyclohexane	4.69	56	6012	0.344 ug/L #	84
33) Benzene	5.12	78	37627	0.842 ug/L	100
35) Methylcyclohexane	6.14	83	3309	0.175 ug/L #	80
37) 1,2-Dichloropropane	6.10	63	6104	0.581 ug/L #	91
42) Toluene	7.41	91	34849	0.715 ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	20585	0.452 ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	79061	1.701 ug/L	99
50) 2-Hexanone	8.17	43	1826	0.448 ug/L #	91
54) Ethylbenzene	9.03	91	125884	2.307 ug/L	97
55) m,p-xylene	9.16	106	164920	8.025 ug/L	98
56) o-xylene	9.56	106	23270	1.167 ug/L	94
57) Styrene	9.57	104	1706	0.051 ug/L #	1
58) Isopropylbenzene	9.95	105	4944	0.090 ug/L	98
70) Naphthalene	13.53	128	10714	0.423 ug/L	98

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QLast Update : Sat Jul 25 00:05:26 2020
Response via : Initial Calibration

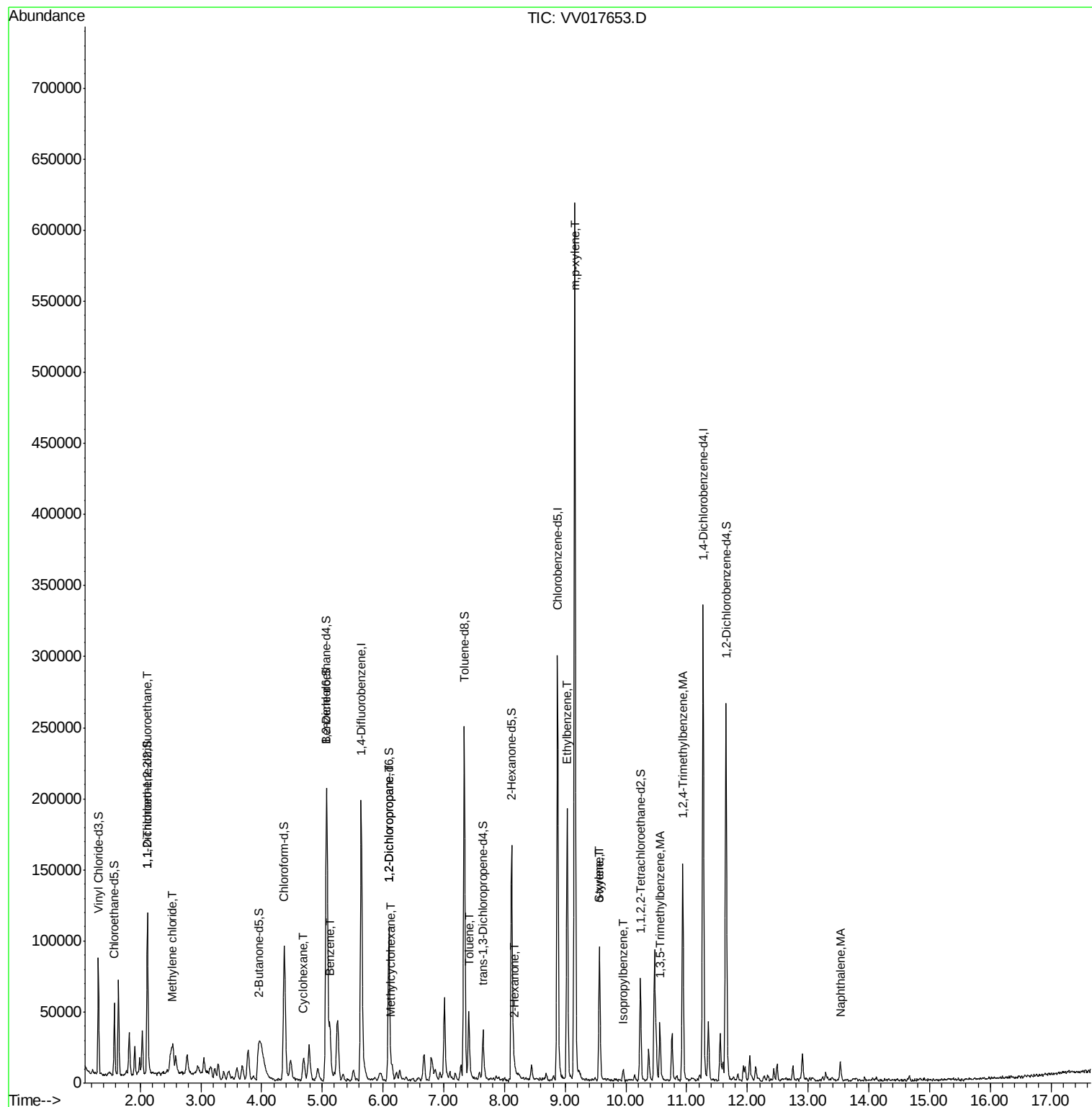
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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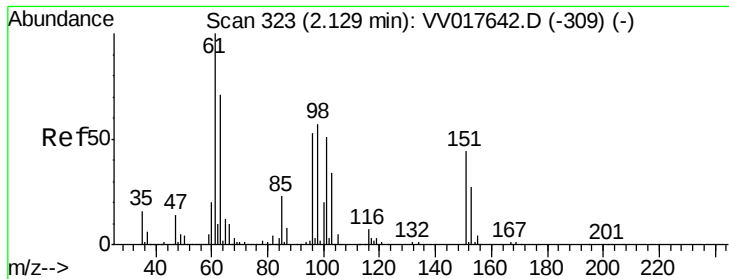
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 25 00:05:26 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.082 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017653.D

Acq: 24 Jul 2020 18:36

Instrument :

MSVOA_V

ClientSampleId :

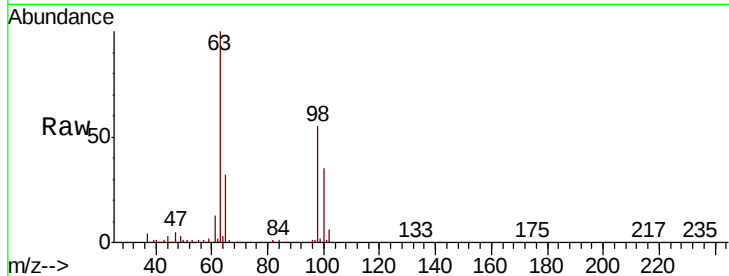
Tot Ion:101 Resp: 806

Ion Ratio Lower Upper

101 100

85 6.5 34.6 51.8#

151 5.7 63.5 95.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

2.12

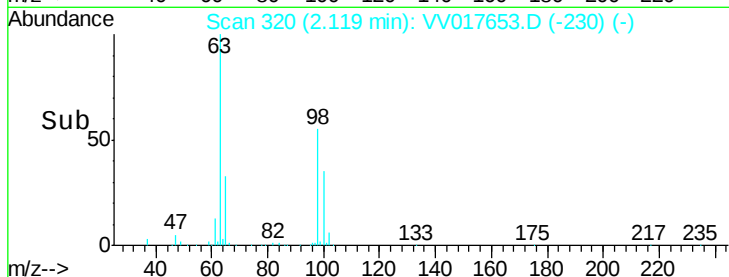
600

400

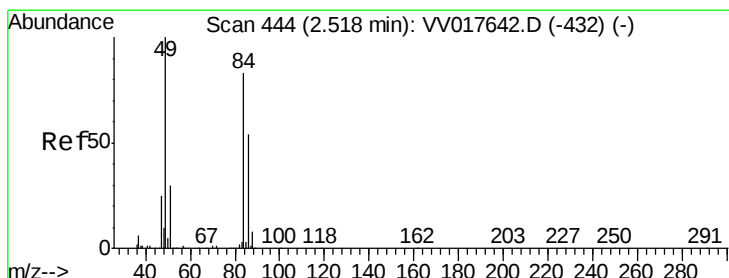
200

0

Time-->



Time-->



#16

Methylene chloride

Concen: 0.281 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV017653.D

Acq: 24 Jul 2020 18:36

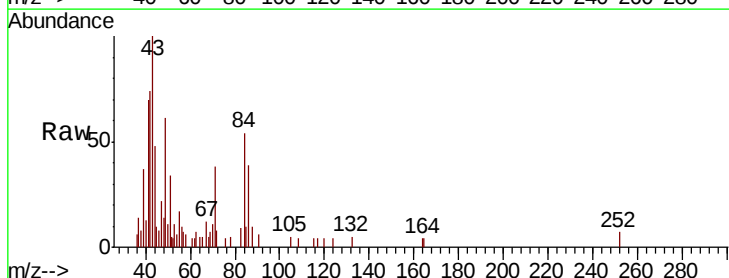
Tgt Ion: 84 Resp: 2787

Ion Ratio Lower Upper

84 100

86 72.4 46.5 86.3

49 112.4 79.2 147.2



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

2.52

2000

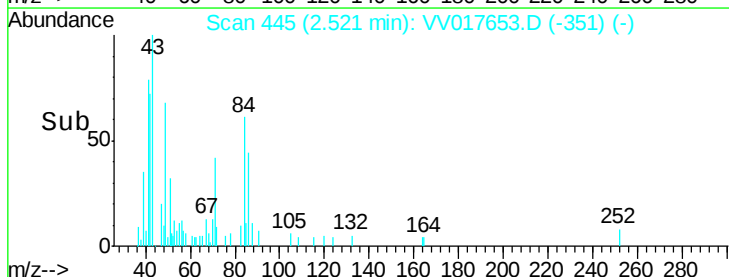
1500

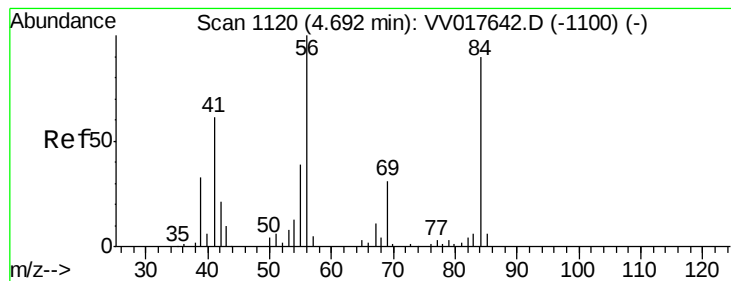
1000

500

0

Time-->





#30

Cyclohexane

Concen: 0.344 ug/L

RT: 4.69 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VV017653.D

Acq: 24 Jul 2020 18:36

Instrument :
MSVOA_V
ClientSampled :

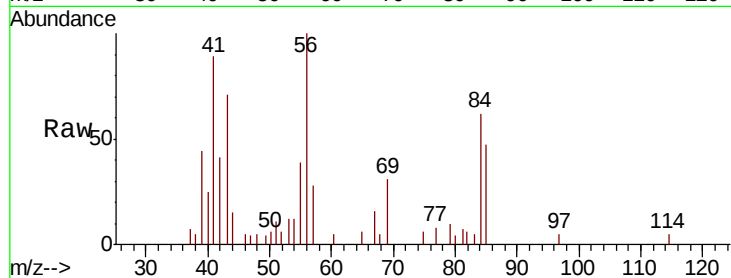
Tot Ion: 56 Resp: 6012

Ion Ratio Lower Upper

56 100

69 35.7 25.4 38.2

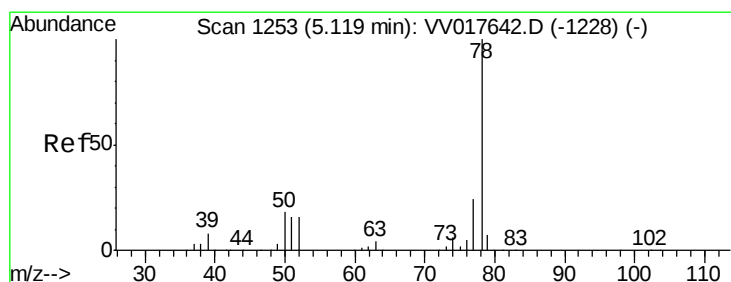
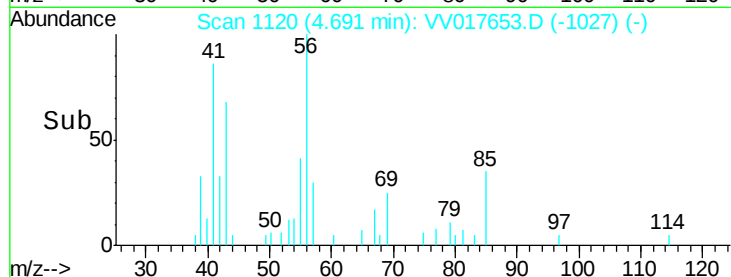
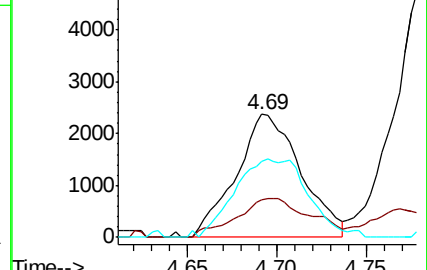
84 72.4 73.0 109.4#



Abundance Ion 56.10 (55.80 to 56.80): VV017642.D (-1100) (-)

Ion 69.15 (68.85 to 69.85): VV017642.D (-1100) (-)

Ion 84.15 (83.85 to 84.85): VV017642.D (-1100) (-)



#33

Benzene

Concen: 0.842 ug/L

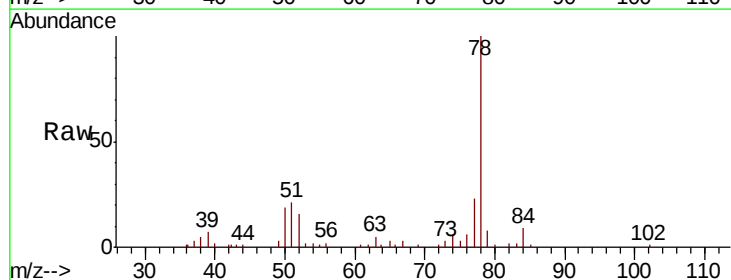
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV017653.D

Acq: 24 Jul 2020 18:36

Tgt Ion: 78 Resp: 37627



Abundance Ion 78.10 (77.80 to 78.80): VV017642.D (-1228) (-)

Ion 78.10 (77.80 to 78.80): VV017642.D (-1228) (-)

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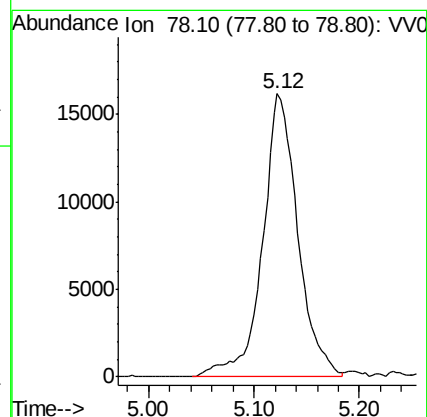
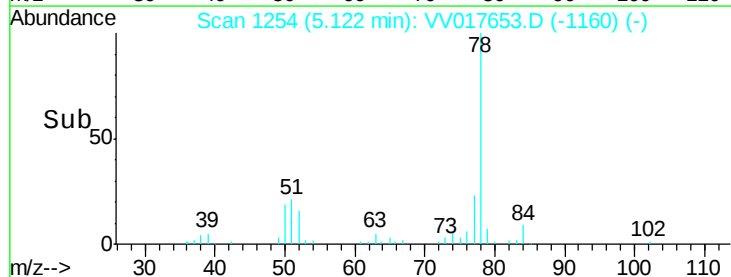
Ion 78.10 (77.80 to 78.80): VV017642.D (-1228) (-)

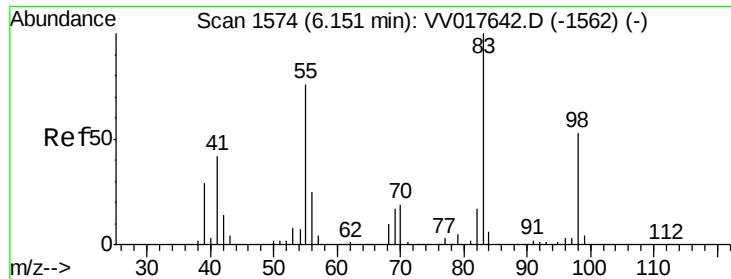
Ion 78.10 (77.80 to 78.80): VV017642.D (-1228) (-)

Ion 78.10 (77.80 to 78.80): VV017642.D (-1228) (-)

Ion 78.10 (77.80 to 78.80): VV017642.D (-1228) (-)

Ion 78.10 (77.80 to 78.80): VV017642.D (-1228) (-)

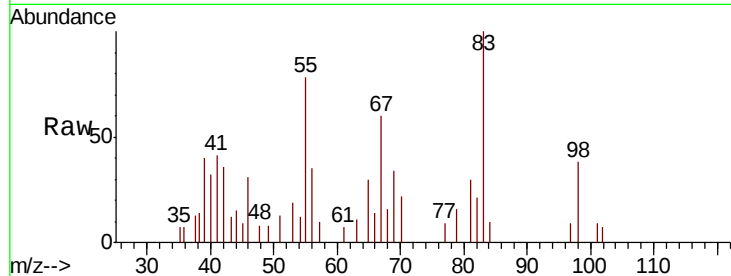




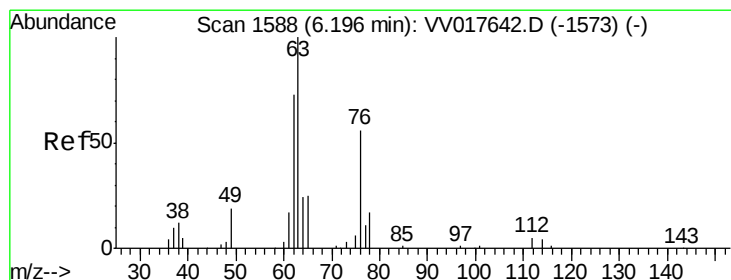
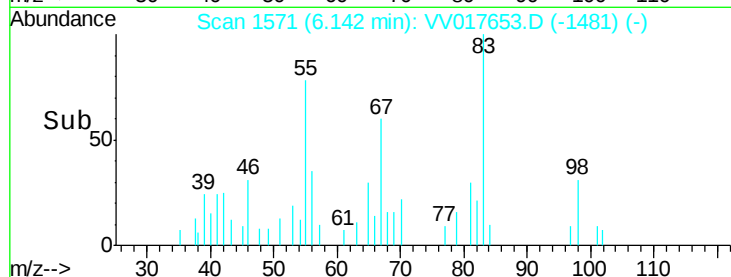
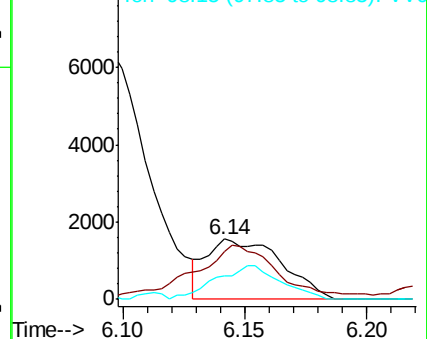
#35
Methvlcvclohexane
Concen: 0.175 ug/L
RT: 6.14 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VV017653.D
Acq: 24 Jul 2020 18:36

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 3309
Ion Ratio Lower Upper
83 100
55 105.7 61.8 92.8#
98 49.0 39.0 58.6

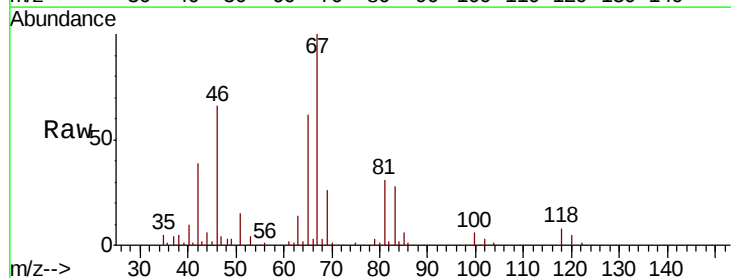


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

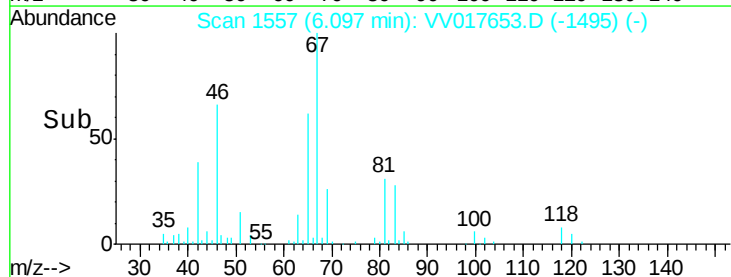
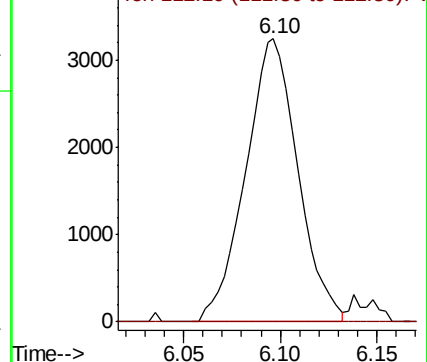


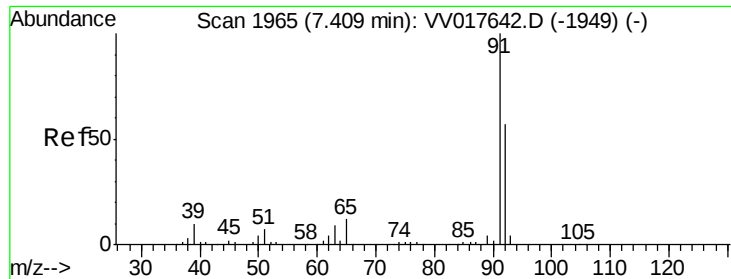
#37
1,2-Dichloropropane
Concen: 0.581 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017653.D
Acq: 24 Jul 2020 18:36

Tgt Ion: 63 Resp: 6104
Ion Ratio Lower Upper
63 100
112 2.5 4.5 6.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.715 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017653.D

Acq: 24 Jul 2020 18:36

Instrument :

MSVOA_V

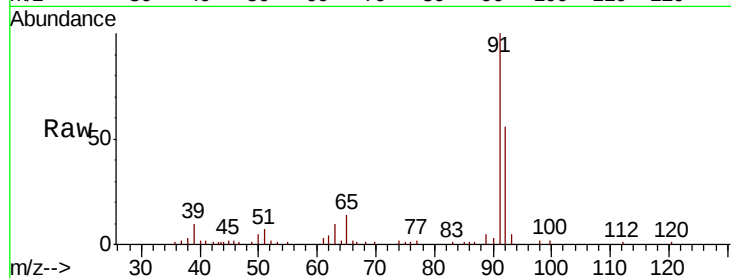
ClientSampleId :

Tot Ion: 91 Resp: 34849

Ion Ratio Lower Upper

91 100

92 56.1 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017642.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017642.D (-1949) (-)

7.41

20000

15000

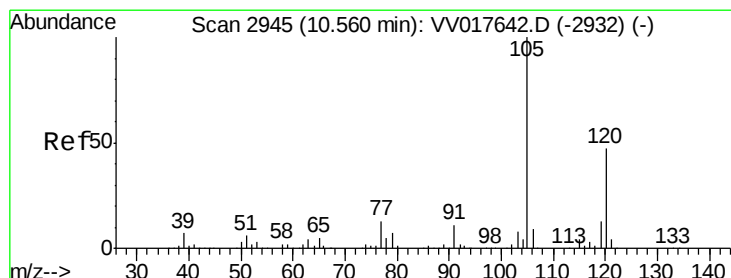
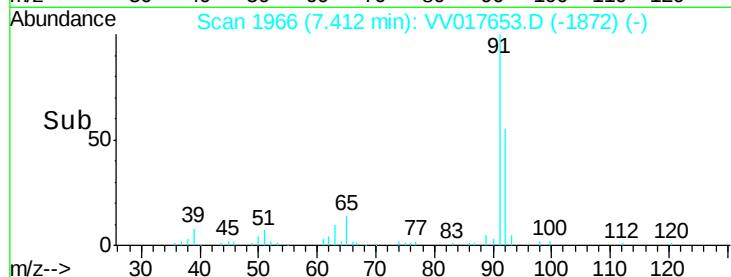
10000

5000

0

7.35 7.40 7.45 7.50

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 0.452 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV017653.D

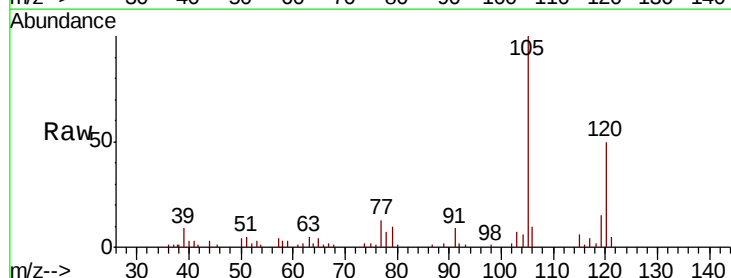
Acq: 24 Jul 2020 18:36

Tgt Ion:105 Resp: 20585

Ion Ratio Lower Upper

105 100

120 51.0 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): VV017642.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017642.D (-2932) (-)

10.56

20000

15000

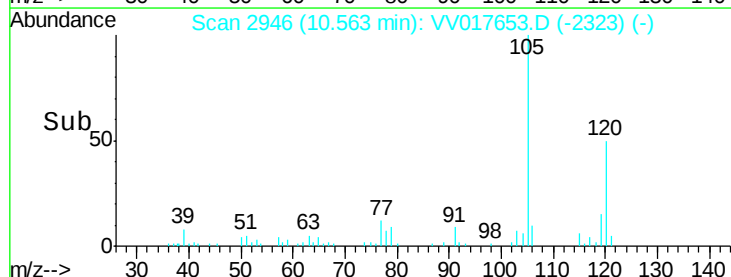
10000

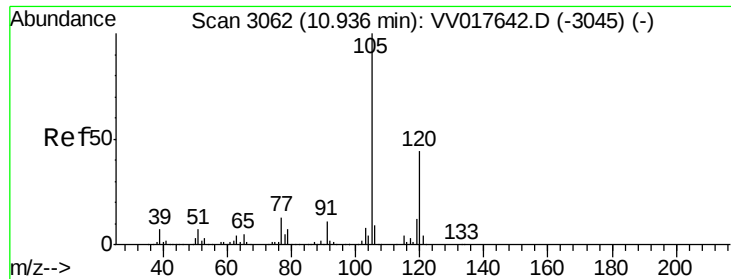
5000

0

10.50 10.55 10.60 10.65

Time-->





#44

1,2,4-Trimethylbenzene

Concen: 1.701 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV017653.D

Acq: 24 Jul 2020 18:36

Instrument :

MSVOA_V

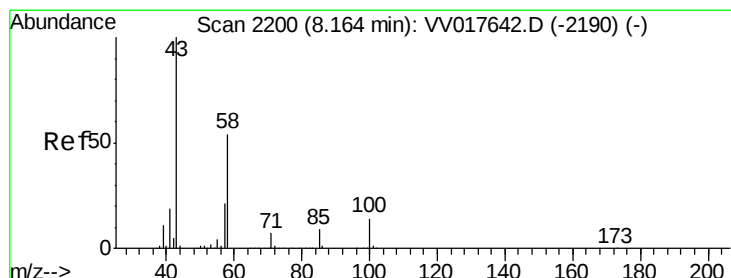
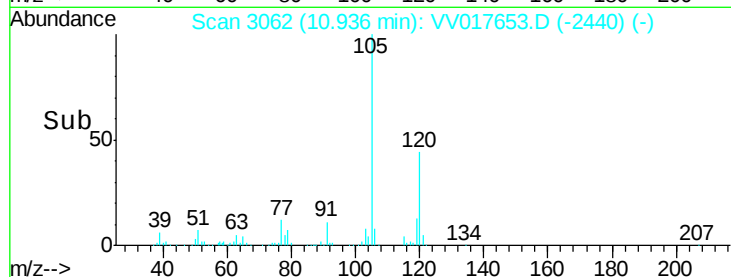
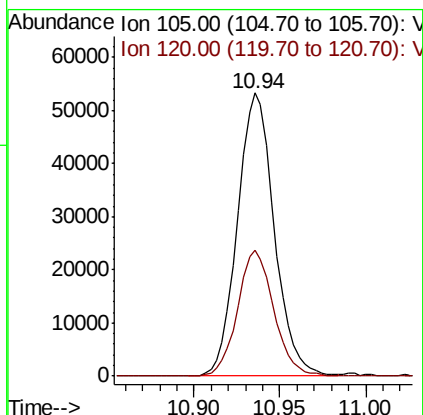
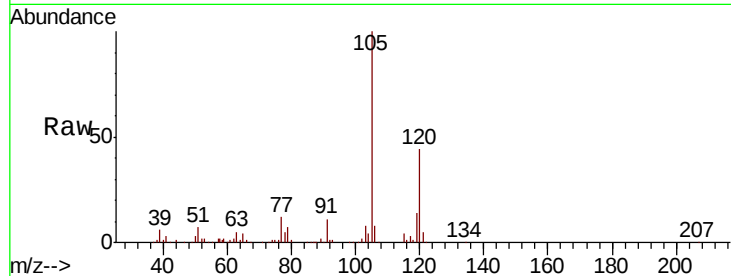
ClientSampled :

Tot Ion:105 Resp: 79061

Ion Ratio Lower Upper

105 100

120 44.0 35.9 53.9



#50

2-Hexanone

Concen: 0.448 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV017653.D

Acq: 24 Jul 2020 18:36

Tgt Ion: 43 Resp: 1826

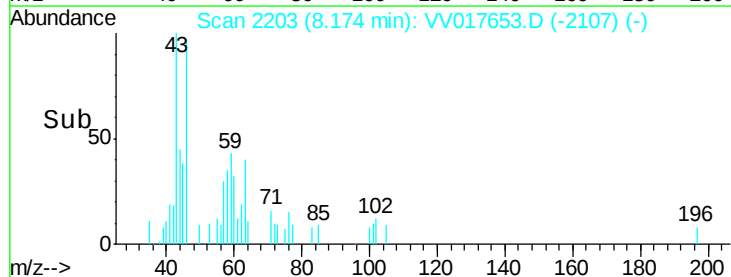
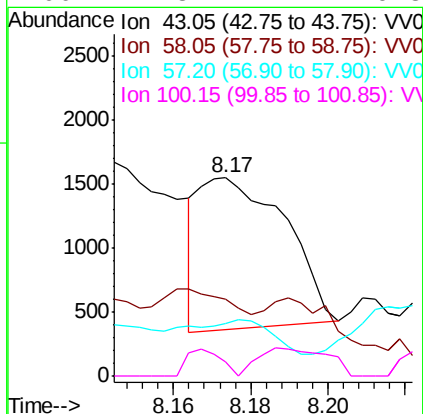
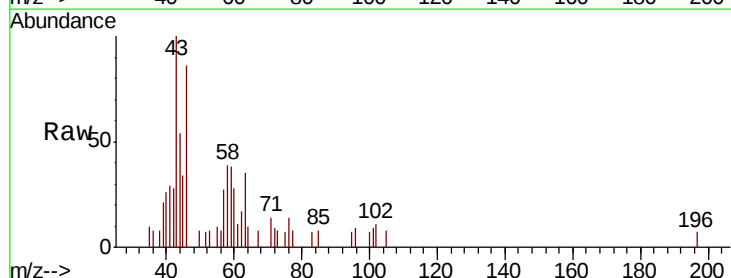
Ion Ratio Lower Upper

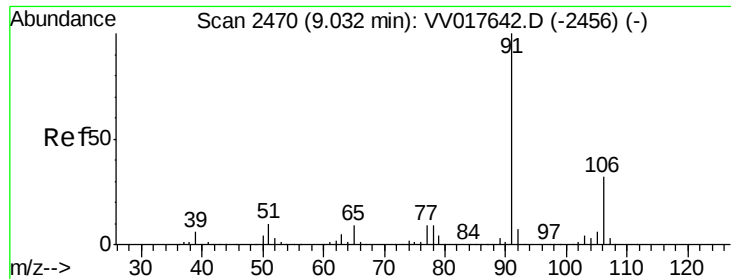
43 100

58 58.0 41.6 62.4

57 26.8 15.4 23.0#

100 14.8 11.2 16.8





#54

Ethylbenzene

Concen: 2.307 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017653.D

Acq: 24 Jul 2020 18:36

Instrument :

MSVOA_V

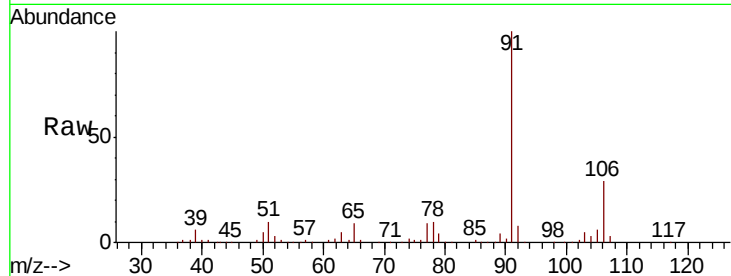
ClientSampled :

Tot Ion: 91 Resp: 125884

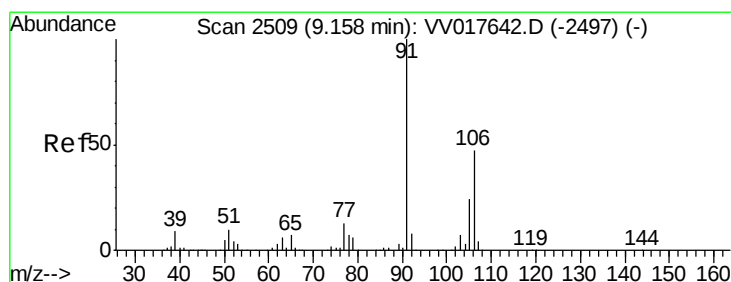
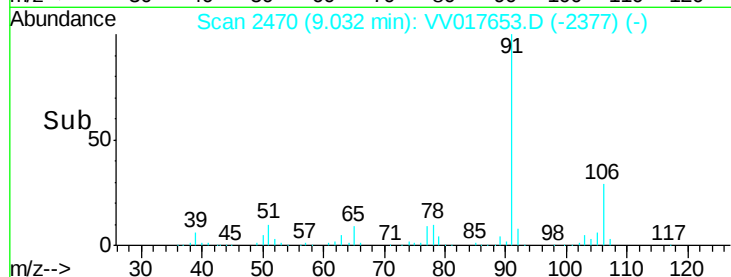
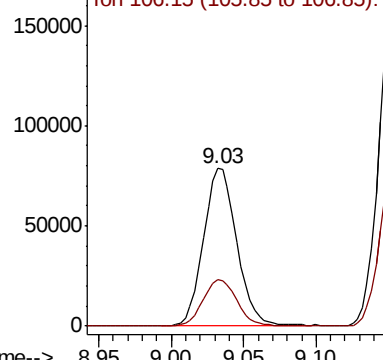
Ion Ratio Lower Upper

91 100

106 29.1 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV017653.D (-2377) (-)



#55

m,p-xylene

Concen: 8.025 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017653.D

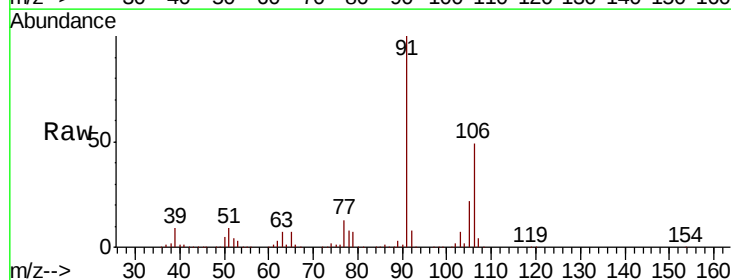
Acq: 24 Jul 2020 18:36

Tgt Ion: 106 Resp: 164920

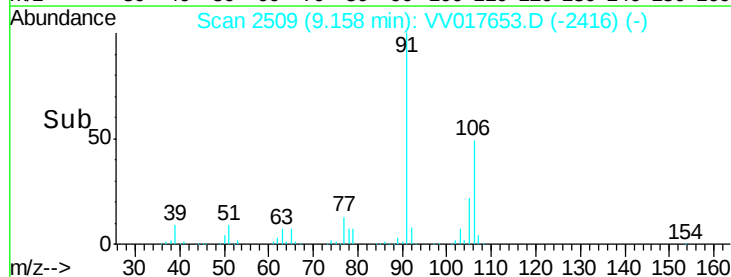
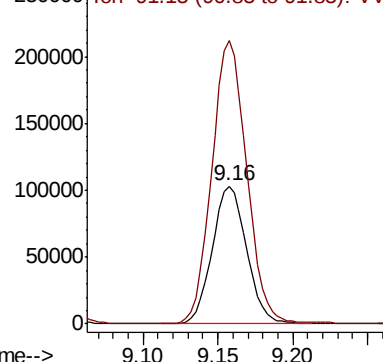
Ion Ratio Lower Upper

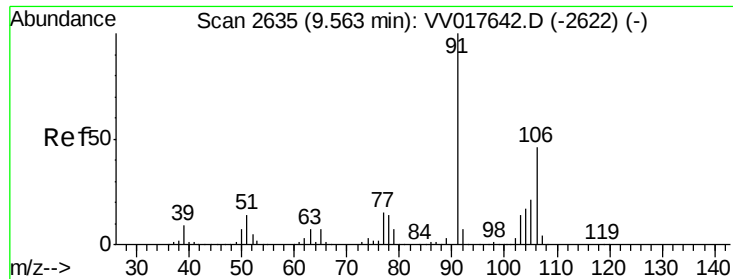
106 100

91 205.2 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): VV017653.D (-2416) (-)

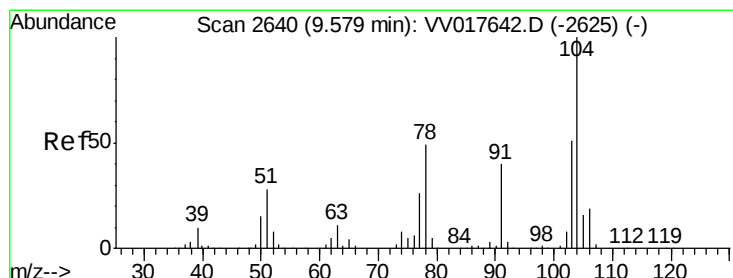
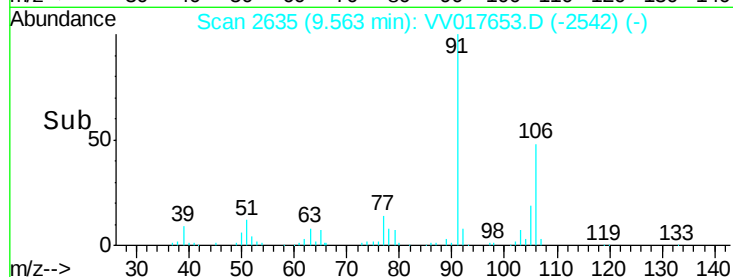
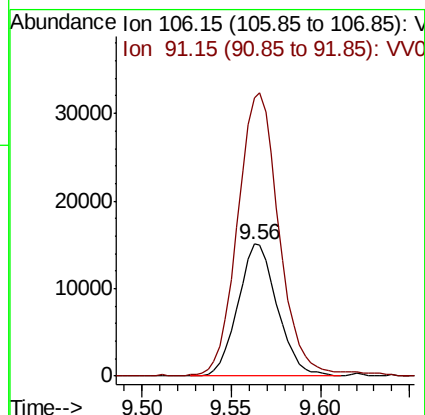
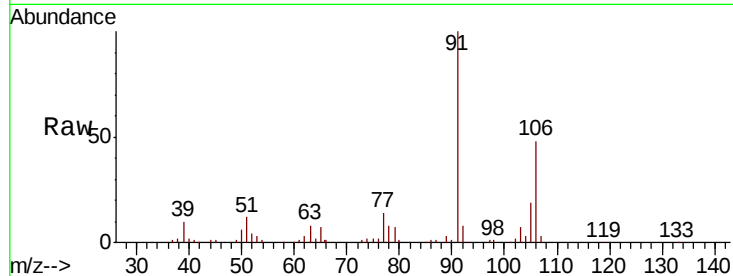




#56
o-xylene
Concen: 1.167 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017653.D
Acq: 24 Jul 2020 18:36

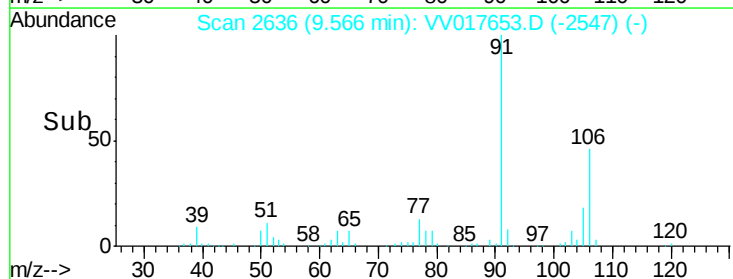
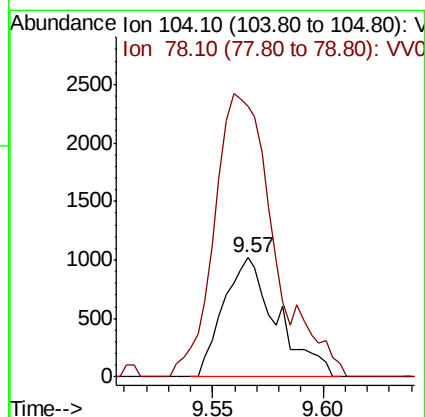
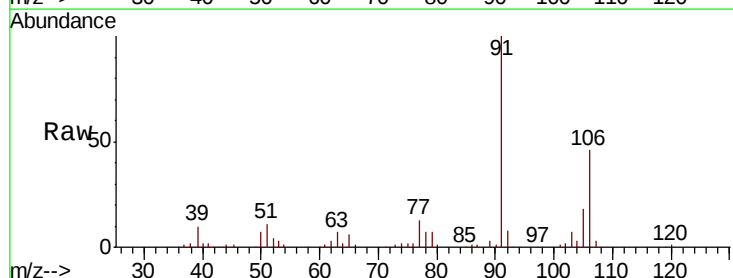
Instrument :
MSVOA_V
ClientSampleId :

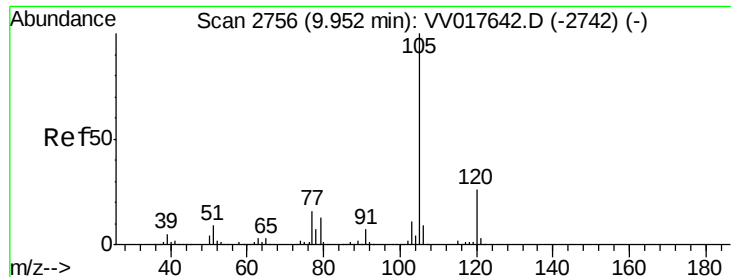
Tot Ion:106 Resp: 23270
Ion Ratio Lower Upper
106 100
91 210.4 153.9 285.7



#57
Styrene
Concen: 0.051 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.01 min
Lab File: VV017653.D
Acq: 24 Jul 2020 18:36

Tgt Ion:104 Resp: 1706
Ion Ratio Lower Upper
104 100
78 227.2 34.0 63.2#





#58

Isopropylbenzene

Concen: 0.090 ug/L

RT: 9.95 min Scan# 2757

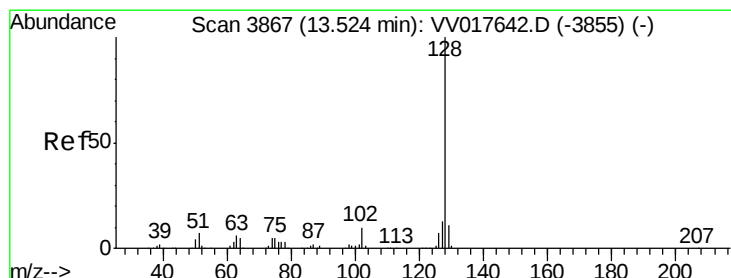
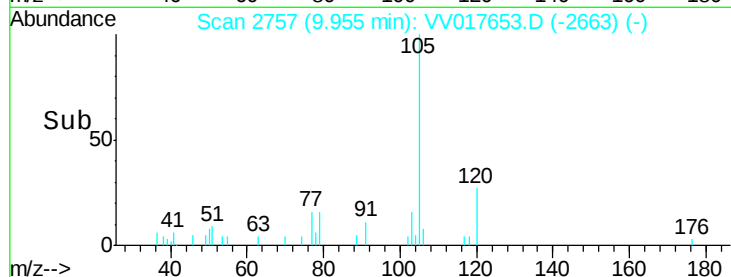
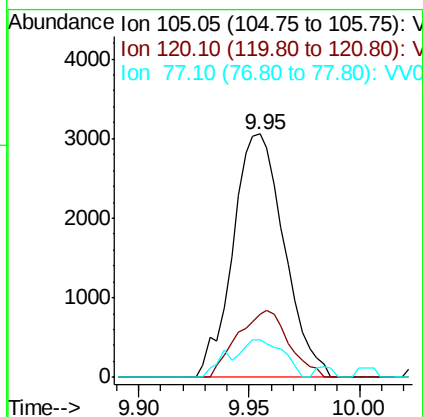
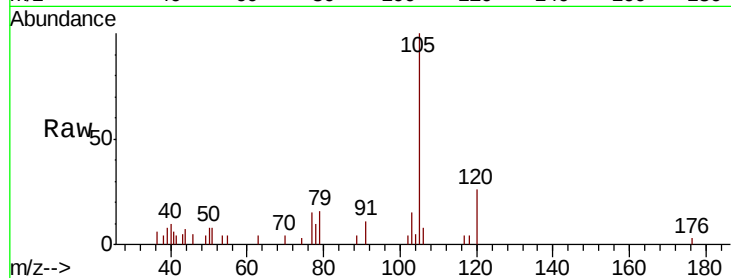
Delta R.T. 0.00 min

Lab File: VV017653.D

Acq: 24 Jul 2020 18:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	4944
Ion	Ratio	Lower	Upper
105	100		
120	27.4	21.1	31.7
77	15.6	13.0	19.6



#70

Naphthalene

Concen: 0.423 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV017653.D

Acq: 24 Jul 2020 18:36

Tgt Ion:	128	Resp:	10714
Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.1	13.7
127	13.1	11.0	16.6

