

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
 Data File : VV017481.D
 Acq On : 14 Jul 2020 14:07
 Operator : SY/MD
 Sample : L3281-03MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAXW3MSD

Quant Time: Jul 15 03:05:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 02:49:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	140173	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	137635	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	69563	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40457	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.58	69	32930	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.13	63	87827	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.60%
20) 2-Butanone-d5	3.93	46	87352	52.21	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.42%
24) Chloroform-d	4.38	84	84171	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.06	65	48584	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.08	84	154194	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.10	67	42930	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.34	98	145873	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
45) trans-1,3-Dichloropropene-	7.64	79	19731	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
48) 2-Hexanone-d5	8.11	63	63720	49.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.72%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	29051	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	59573	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

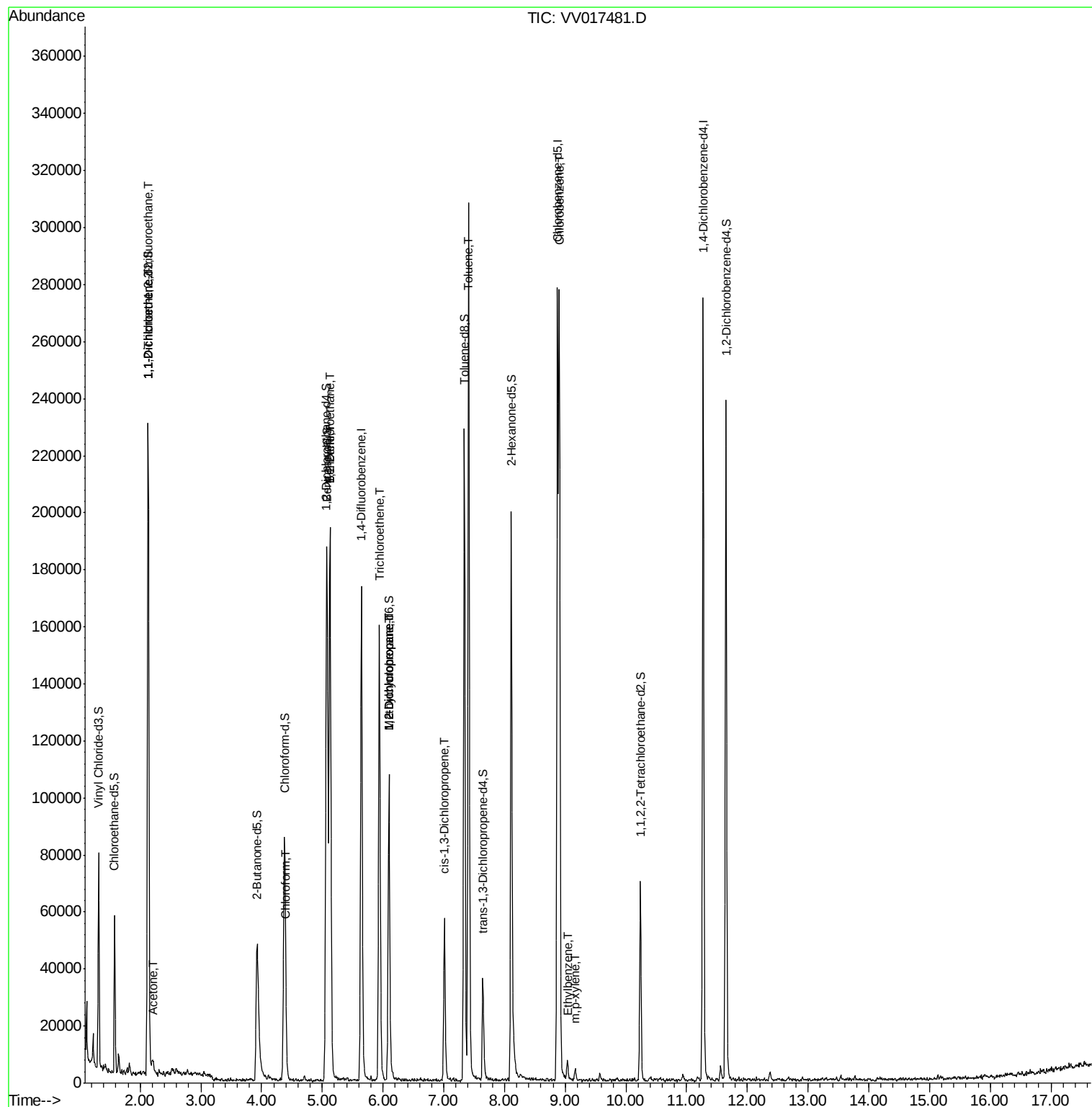
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	775	0.081	ug/L #	21
12) 1,1-Dichloroethene	2.14	96	42151	4.998	ug/L	82
13) Acetone	2.21	43	7471	6.151	ug/L	74
25) Chloroform	4.41	83	2604	0.138	ug/L	82
27) 1,2-Dichloroethane	5.12	62	675	0.055	ug/L #	78
33) Benzene	5.13	78	185419	5.063	ug/L	100
34) Trichloroethene	5.94	95	52621	4.706	ug/L	97
35) Methylcyclohexane	6.10	83	12928	0.786	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	6161	0.727	ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	1790	0.131	ug/L	98
42) Toluene	7.41	91	216224	5.347	ug/L	98
53) Chlorobenzene	8.90	112	138858	5.126	ug/L	97
54) Ethylbenzene	9.04	91	4502	0.097	ug/L	84
55) m,p-xylene	9.16	106	1251	0.071	ug/L #	57

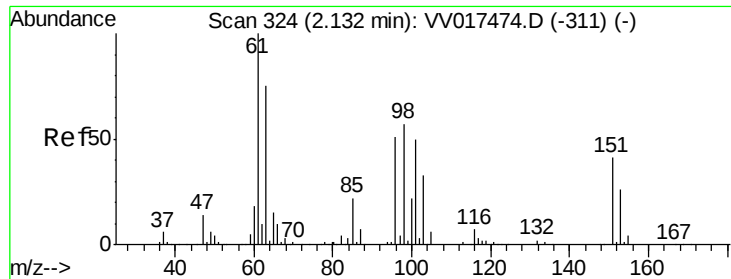
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 15 02:49:58 2020
Response via : Initial Calibration





#10

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

Concen: 0.081 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017481.D

Acq: 14 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

GAXW3MSD

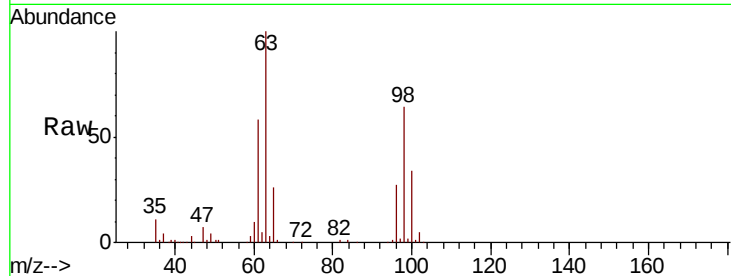
Tot Ion:101 Resp: 775

Ion Ratio Lower Upper

101 100

85 8.3 35.4 53.2#

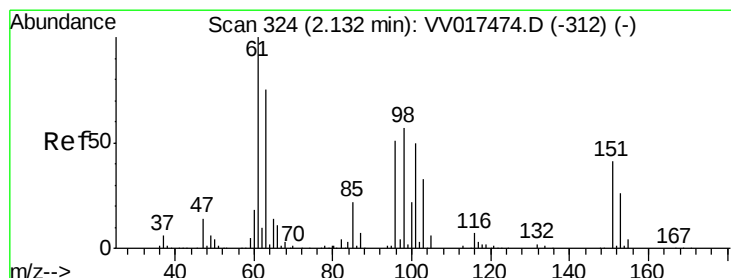
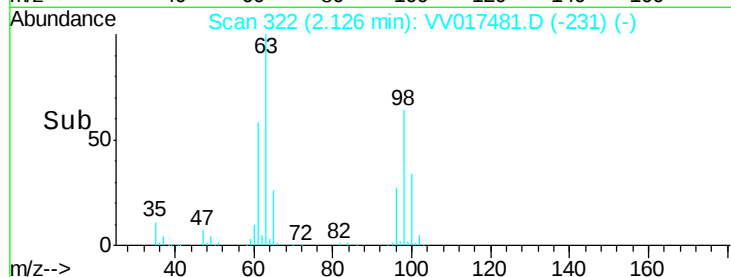
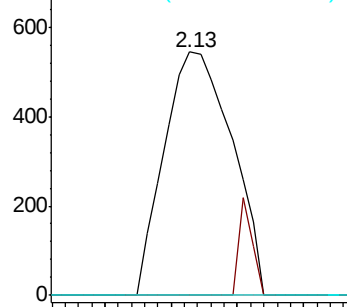
151 0.0 66.5 99.7#



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



#12

1,1-Dichloroethene

Concen: 4.998 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV017481.D

Acq: 14 Jul 2020 14:07

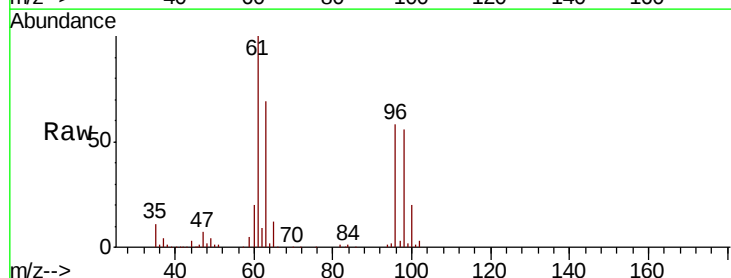
Tgt Ion: 96 Resp: 42151

Ion Ratio Lower Upper

96 100

61 173.5 137.2 254.8

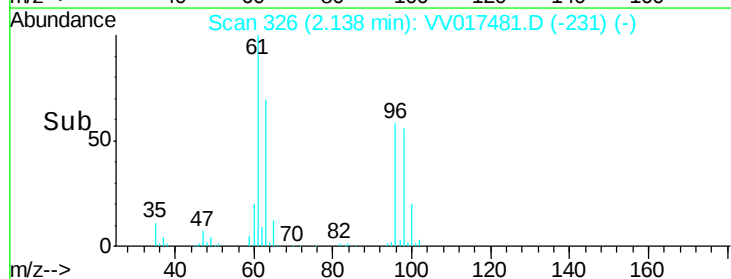
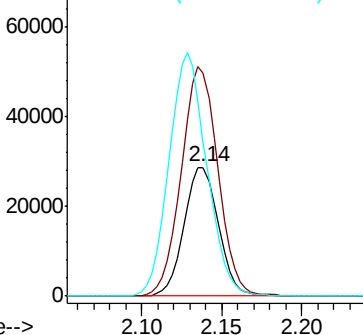
63 119.5 103.6 192.4

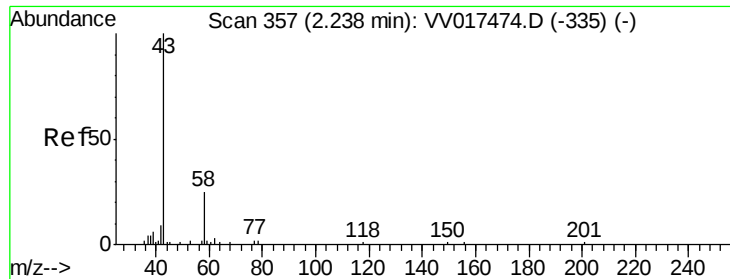


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.151 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.03 min

Lab File: VV017481.D

Acq: 14 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampled :

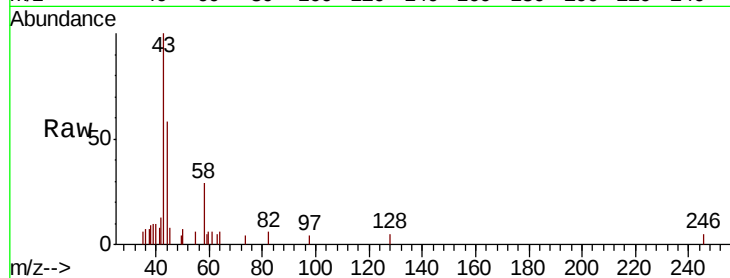
GAXW3MSD

Tot Ion: 43 Resp: 7471

Ion Ratio Lower Upper

43 100

58 28.2 0.0 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV017474.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV017474.D (-335) (-)

2500

2000

1500

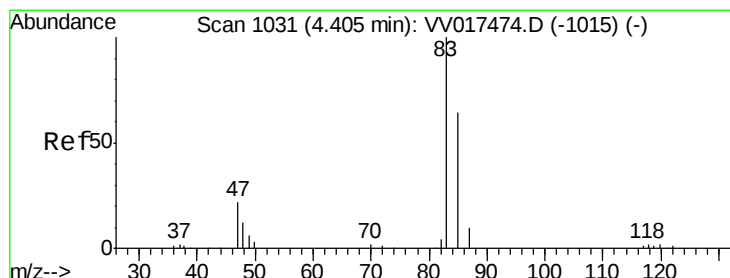
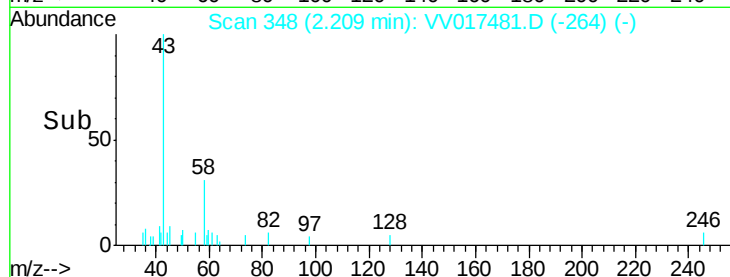
1000

500

0

Time--> 2.10 2.15 2.20 2.25 2.30

2.21



#25

Chloroform

Concen: 0.138 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VV017481.D

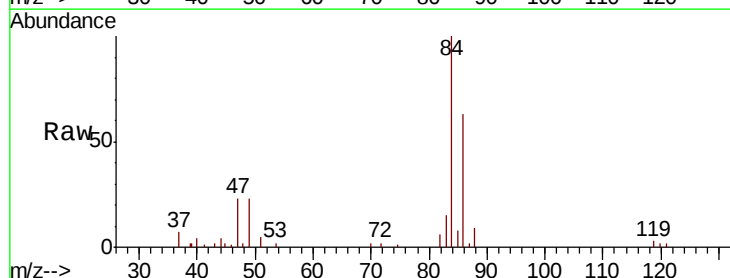
Acq: 14 Jul 2020 14:07

Tgt Ion: 83 Resp: 2604

Ion Ratio Lower Upper

83 100

85 50.5 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VV017474.D (-1015) (-)

Ion 85.00 (84.70 to 85.70): VV017474.D (-1015) (-)

1200

1000

800

600

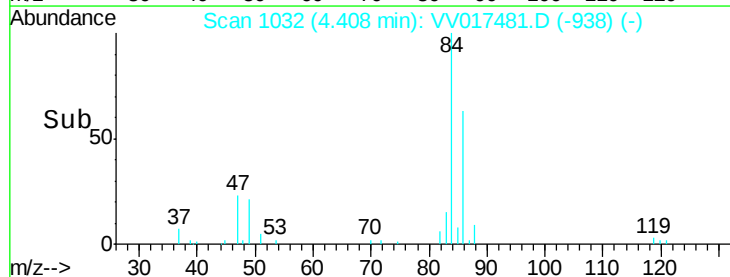
400

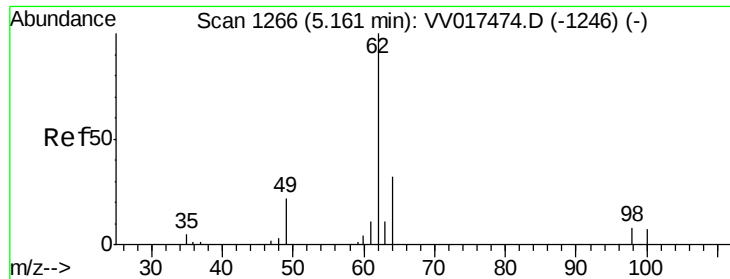
200

0

Time--> 4.35 4.40 4.45

4.41

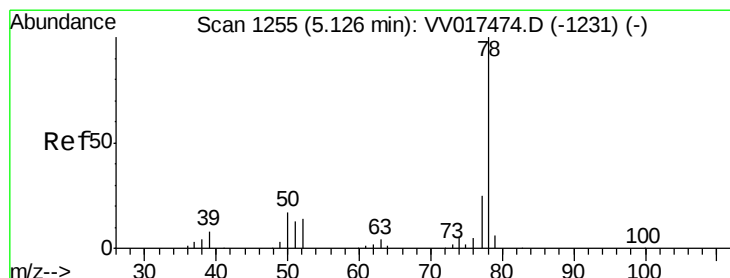
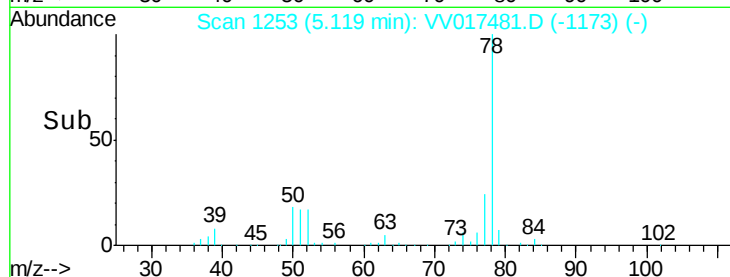
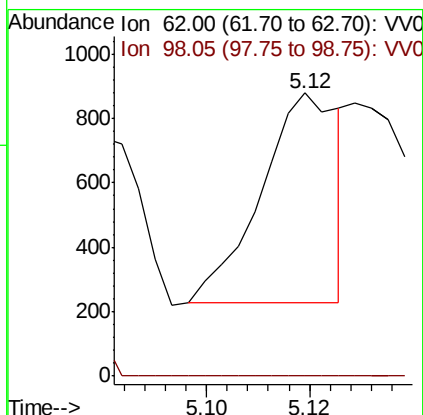
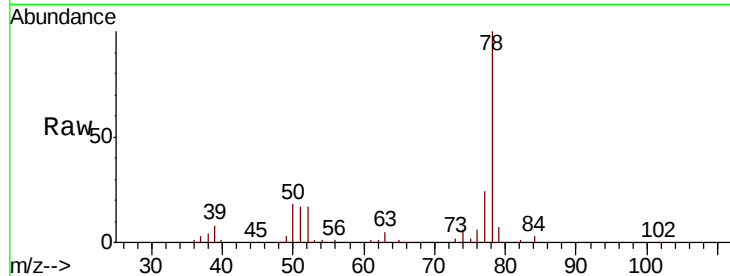




#27
 1,2-Dichloroethane
 Concen: 0.055 ug/L
 RT: 5.12 min Scan# 1253
 Delta R.T. -0.04 min
 Lab File: VV017481.D
 Acq: 14 Jul 2020 14:07

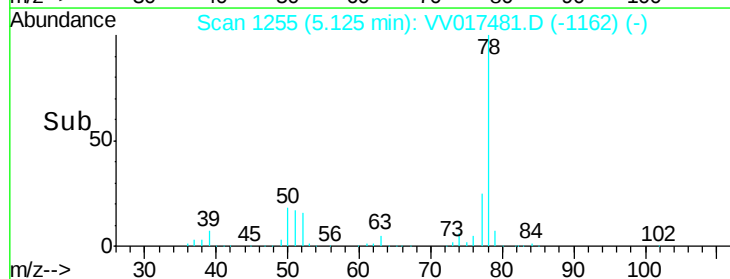
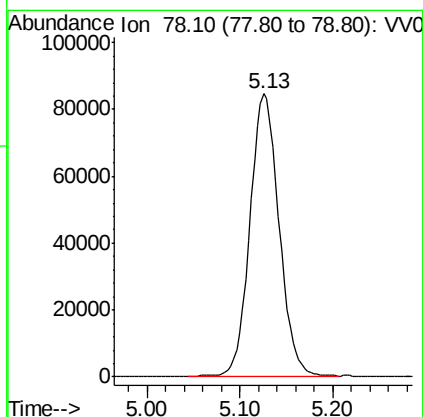
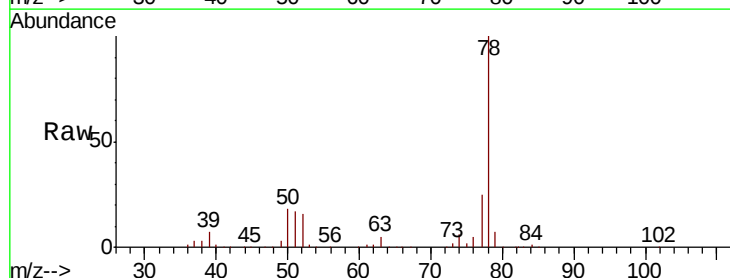
Instrument :
 MSVOA_V
 ClientSampleId :
 GAXW3MSD

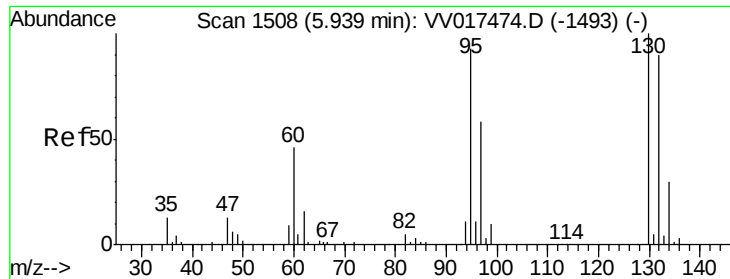
Tot Ion: 62 Resp: 675
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.2 9.2#



#33
 Benzene
 Concen: 5.063 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VV017481.D
 Acq: 14 Jul 2020 14:07

Tgt Ion: 78 Resp: 185419





#34

Trichloroethene

Concen: 4.706 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV017481.D

Acq: 14 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

GAXW3MSD

Tot Ion: 95 Resp: 52621

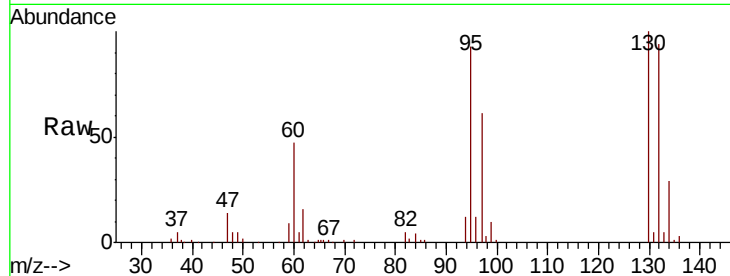
Ion Ratio Lower Upper

95 100

97 65.5 43.9 81.5

132 101.2 67.9 126.1

130 107.8 75.2 139.6

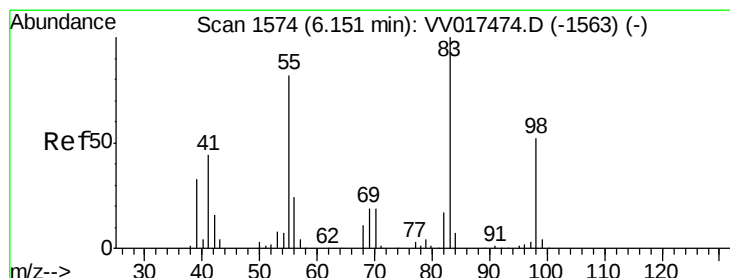
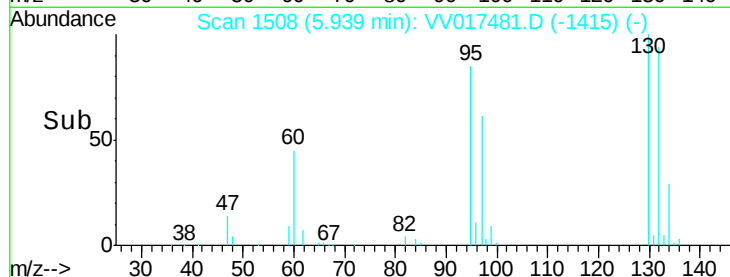
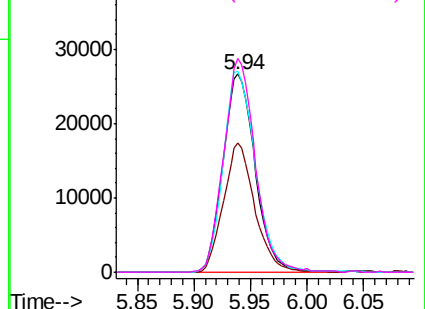


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 0.786 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017481.D

Acq: 14 Jul 2020 14:07

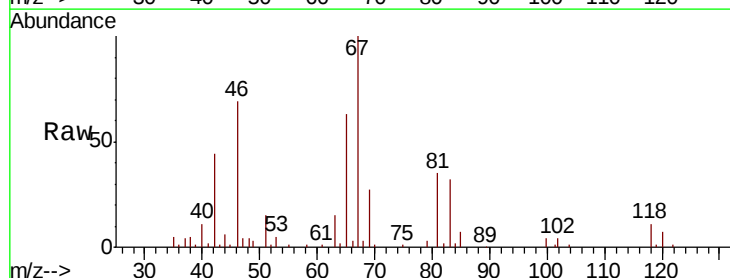
Tgt Ion: 83 Resp: 12928

Ion Ratio Lower Upper

83 100

55 1.0 62.0 93.0#

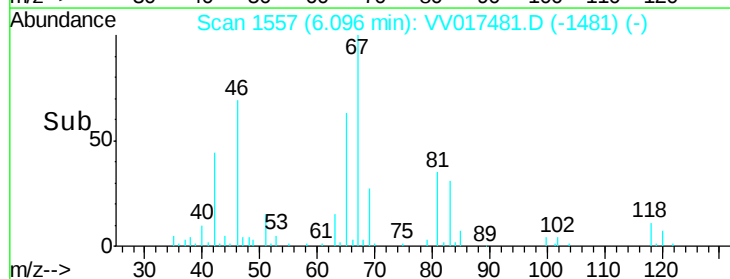
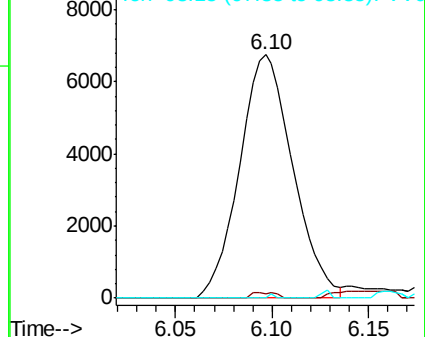
98 0.6 41.4 62.2#

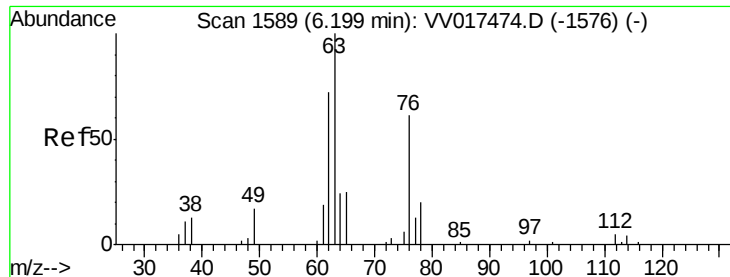


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

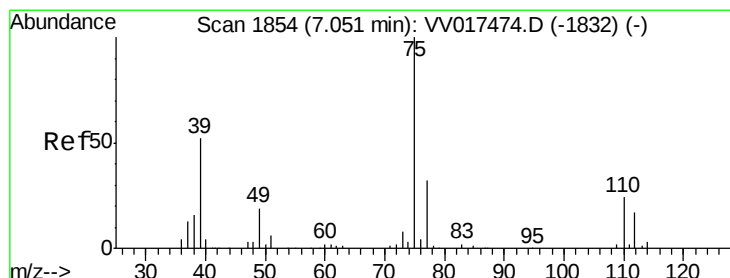
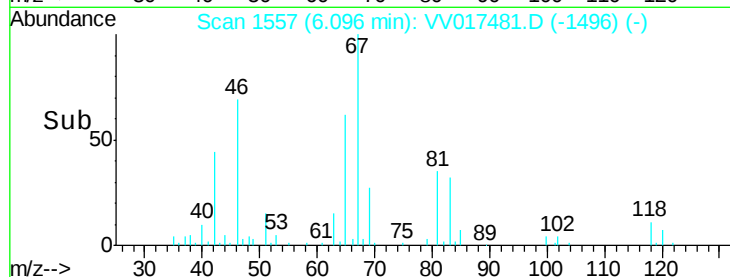
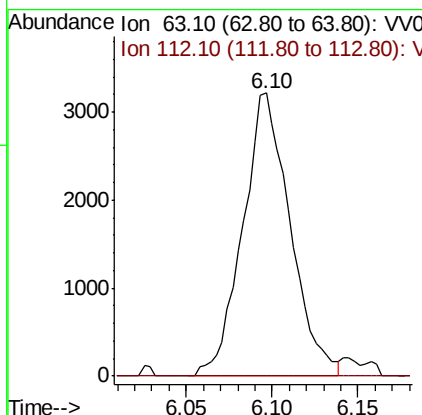
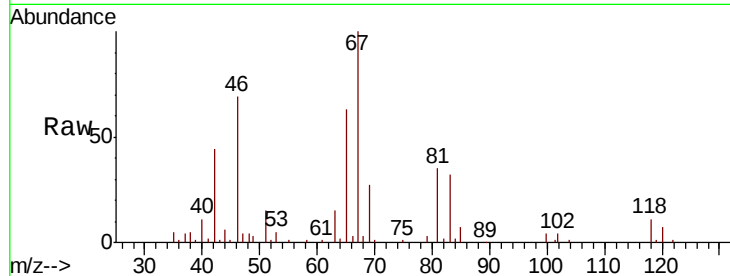




#37
 1,2-Dichloropropane
 Concen: 0.727 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017481.D
 Acq: 14 Jul 2020 14:07

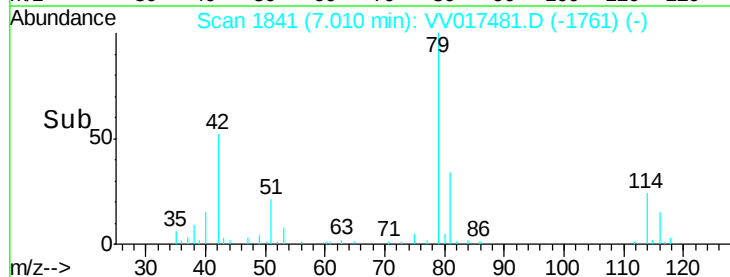
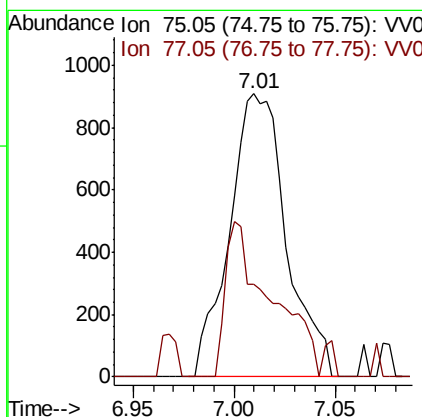
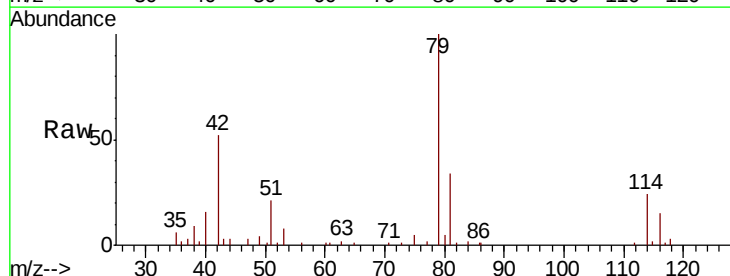
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 MSVOA_V
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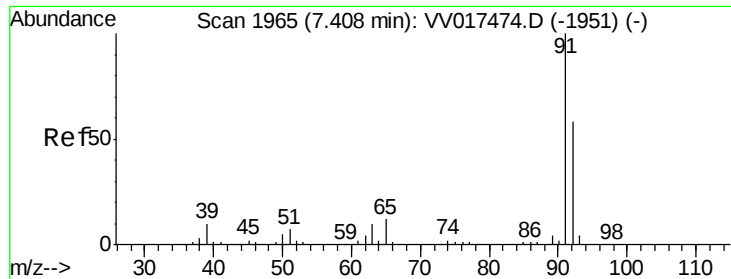
Tot Ion: 63 Resp: 6161
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.4 6.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.131 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017481.D
 Acq: 14 Jul 2020 14:07

Tgt Ion: 75 Resp: 1790
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.3 41.5





#42

Toluene

Concen: 5.347 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017481.D

Acq: 14 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

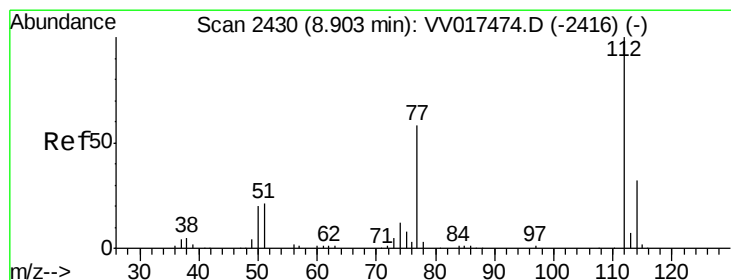
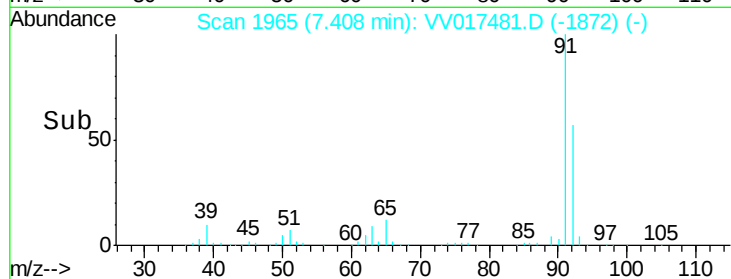
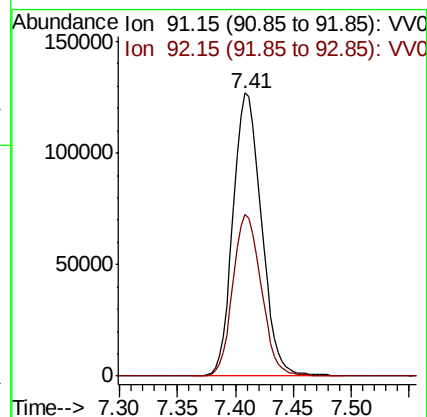
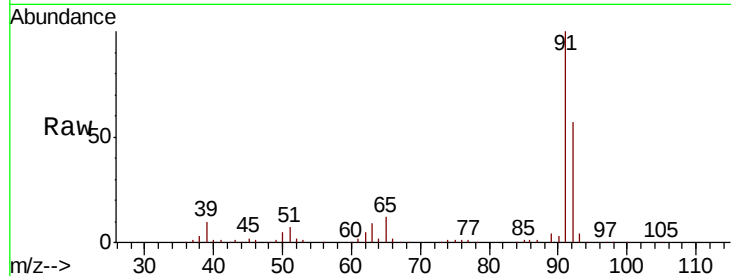
GAXW3MSD

Tot Ion: 91 Resp: 216224

Ion Ratio Lower Upper

91 100

92 57.0 40.7 75.5



#53

Chlorobenzene

Concen: 5.126 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV017481.D

Acq: 14 Jul 2020 14:07

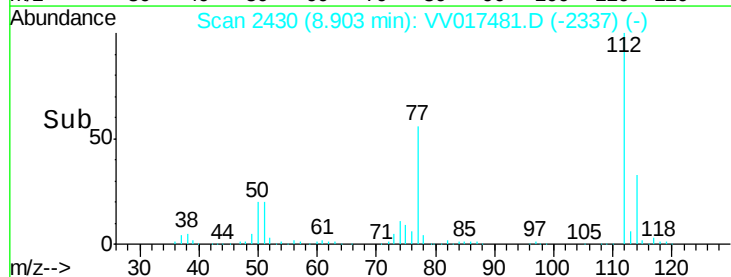
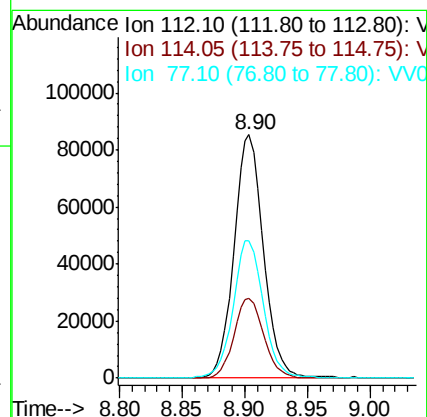
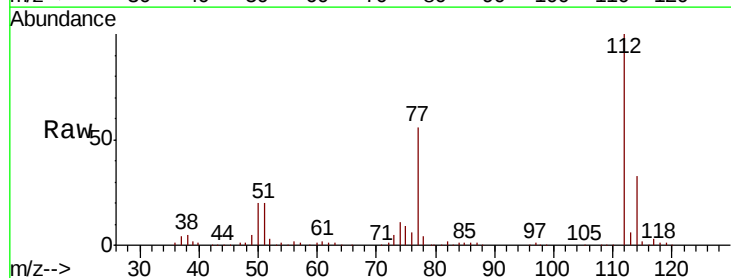
Tgt Ion: 112 Resp: 138858

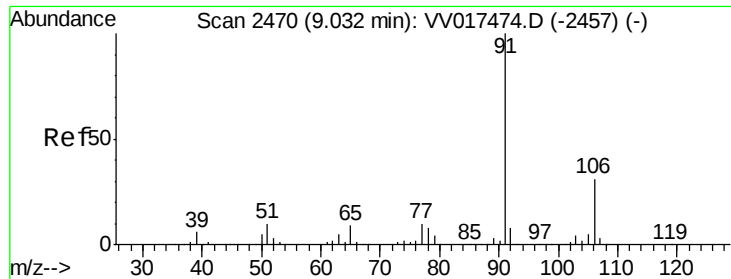
Ion Ratio Lower Upper

112 100

114 32.8 22.4 41.6

77 56.4 47.0 70.4





#54

Ethylbenzene

Concen: 0.097 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV017481.D

Acq: 14 Jul 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

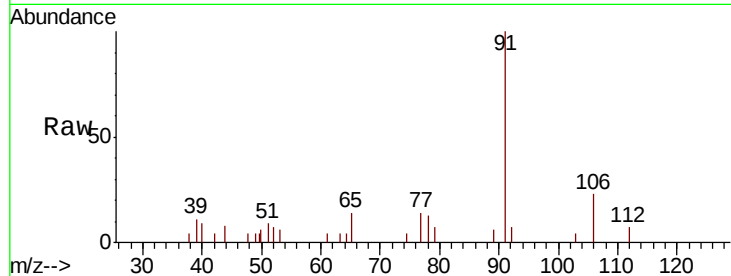
GAXW3MSD

Tot Ion: 91 Resp: 4502

Ion Ratio Lower Upper

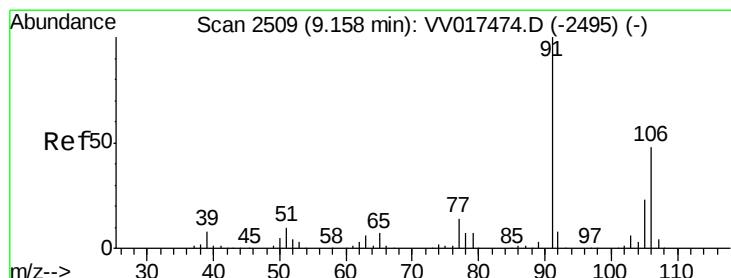
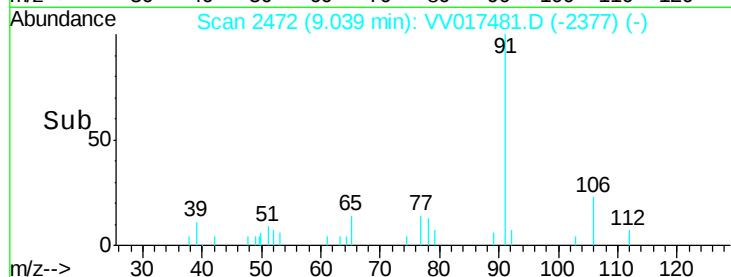
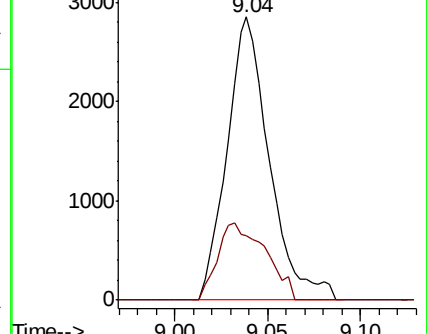
91 100

106 22.6 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#55

m,p-xylene

Concen: 0.071 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017481.D

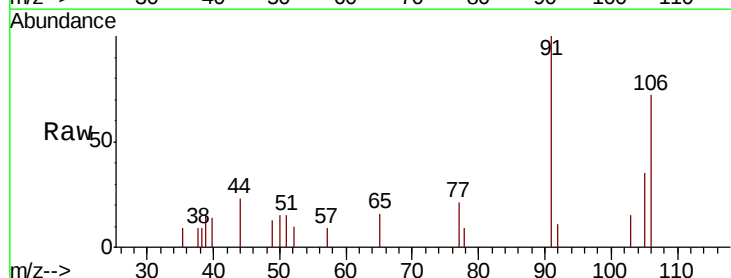
Acq: 14 Jul 2020 14:07

Tgt Ion: 106 Resp: 1251

Ion Ratio Lower Upper

106 100

91 139.7 144.2 267.8#



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

