

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
 Data File : VV017480.D
 Acq On : 14 Jul 2020 13:43
 Operator : SY/MD
 Sample : L3281-02MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAXW3MS

Quant Time: Jul 15 03:05:33 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	145505	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	139819	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	69439	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40237	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.58	69	32148	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.13	63	87725	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	3.92	46	86616	49.87	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.74%
24) Chloroform-d	4.38	84	83638	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.06	65	49015	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.08	84	152935	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.10	67	43601	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.34	98	144363	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
45) trans-1,3-Dichloropropene-	7.64	79	20153	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
48) 2-Hexanone-d5	8.11	63	62889	48.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.88%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	30047	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	59881	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

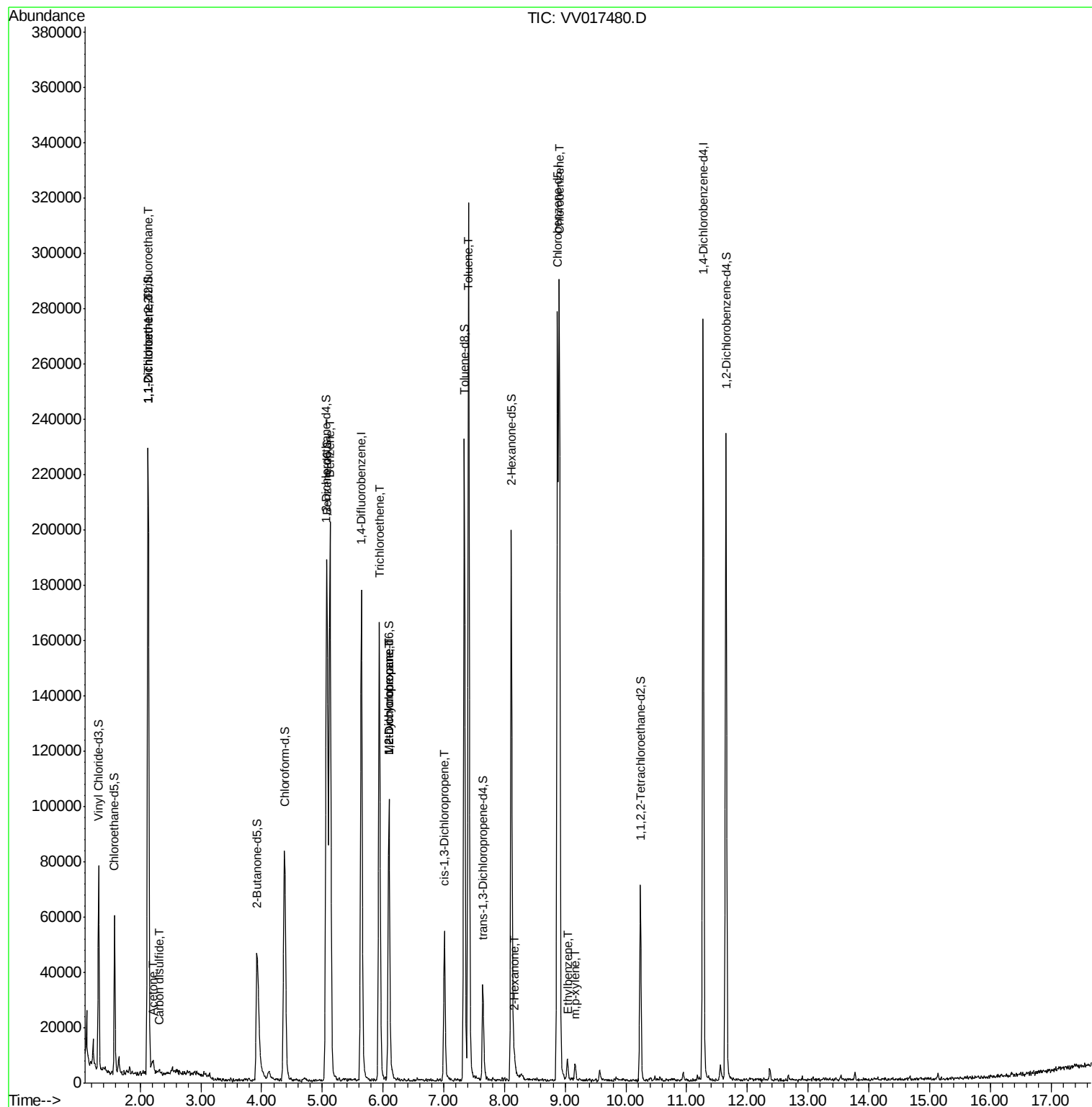
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	813	0.082	ug/L #	23
12) 1,1-Dichloroethene	2.14	96	43554	4.975	ug/L	95
13) Acetone	2.21	43	8216	6.516	ug/L	81
14) Carbon disulfide	2.31	76	1120	0.041	ug/L #	72
33) Benzene	5.13	78	191435	5.146	ug/L	100
34) Trichloroethene	5.94	95	54153	4.768	ug/L	97
35) Methylcyclohexane	6.09	83	12067	0.722	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	6319	0.734	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1686	0.122	ug/L	90
42) Toluene	7.41	91	222660	5.420	ug/L	98
50) 2-Hexanone	8.17	43	2769	0.828	ug/L #	80
53) Chlorobenzene	8.90	112	145095	5.273	ug/L	98
54) Ethylbenzene	9.04	91	4834	0.103	ug/L	88
55) m,p-xylene	9.16	106	1734	0.098	ug/L	96

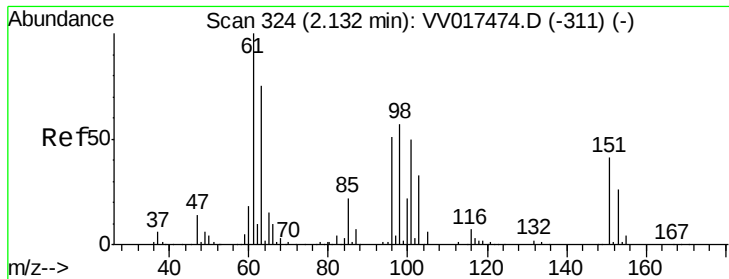
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 0.082 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017480.D

Acq: 14 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

GAXW3MS

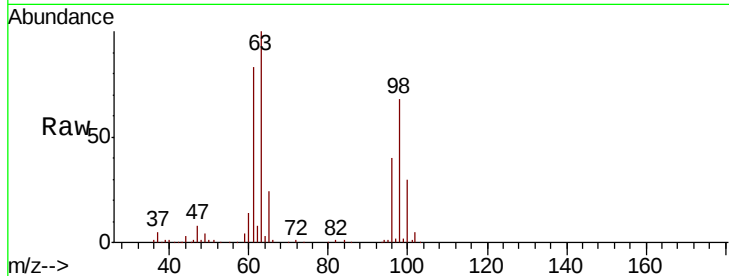
Tot Ion:101 Resp: 813

Ion Ratio Lower Upper

101 100

85 13.4 35.4 53.2#

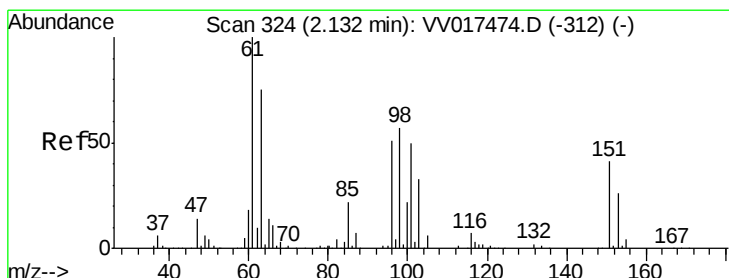
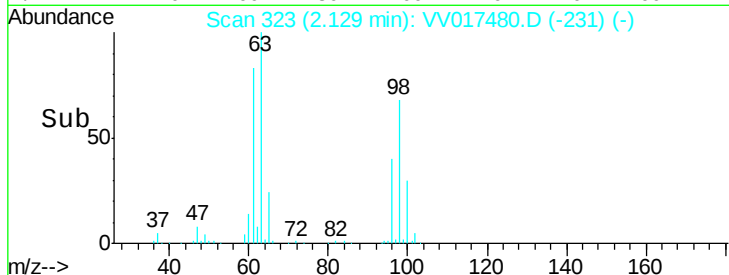
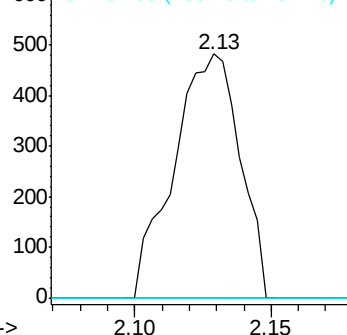
151 0.0 66.5 99.7#



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: 4.975 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017480.D

Acq: 14 Jul 2020 13:43

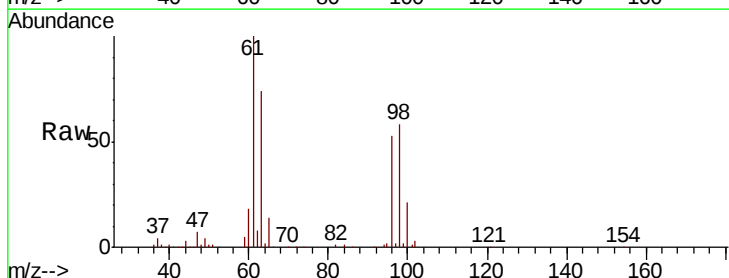
Tgt Ion: 96 Resp: 43554

Ion Ratio Lower Upper

96 100

61 189.0 137.2 254.8

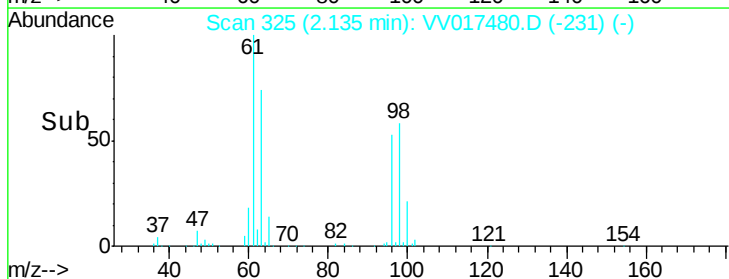
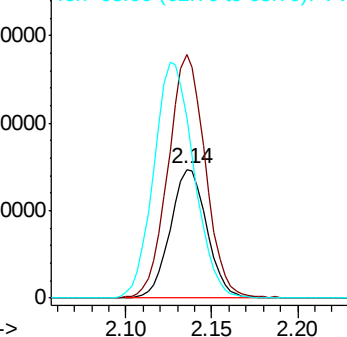
63 140.3 103.6 192.4

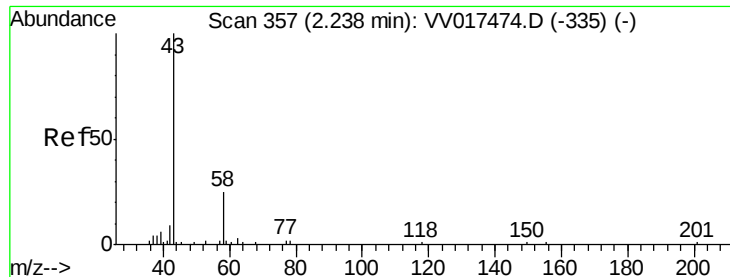


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.516 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.03 min

Lab File: VV017480.D

Acq: 14 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

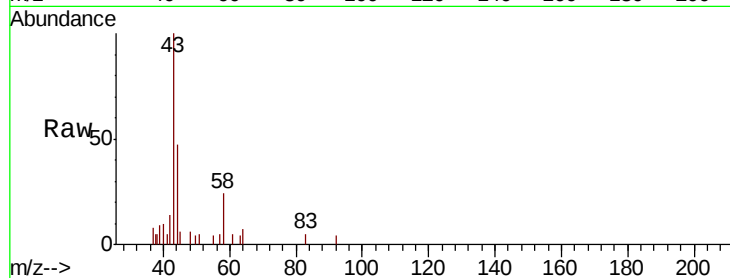
GAXW3MS

Tot Ion: 43 Resp: 8216

Ion Ratio Lower Upper

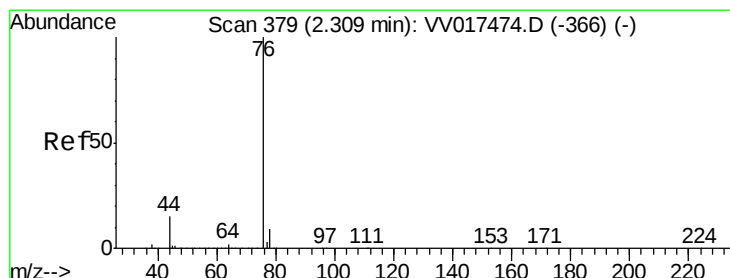
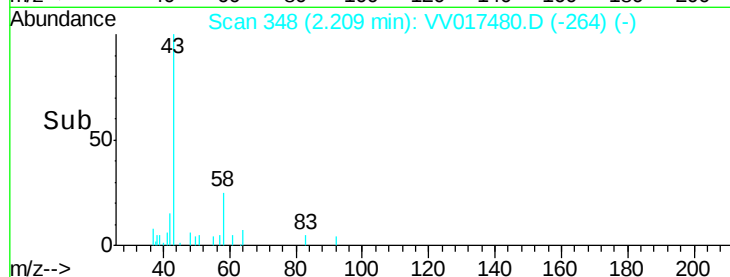
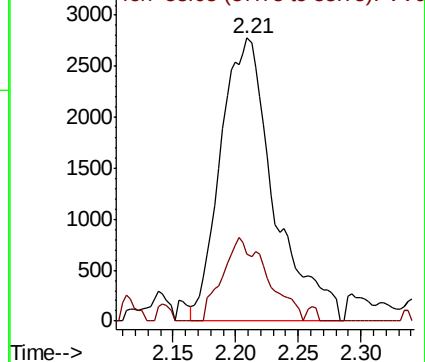
43 100

58 25.0 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) (-)



#14

Carbon disulfide

Concen: 0.041 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017480.D

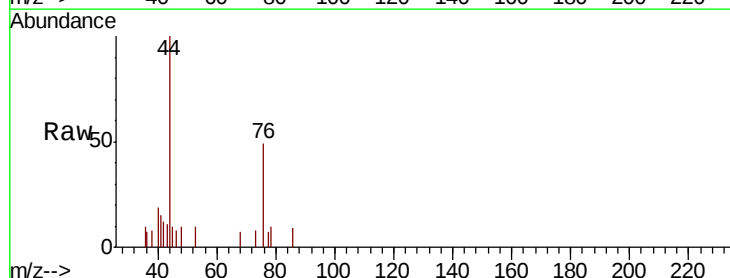
Acq: 14 Jul 2020 13:43

Tgt Ion: 76 Resp: 1120

Ion Ratio Lower Upper

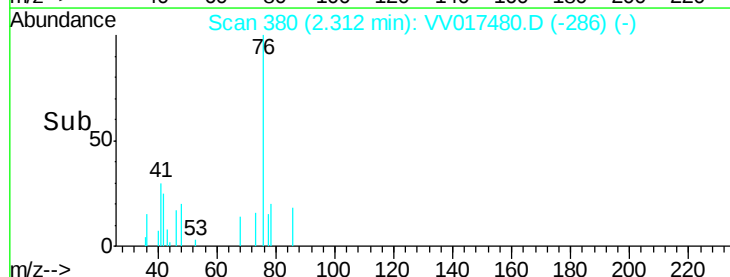
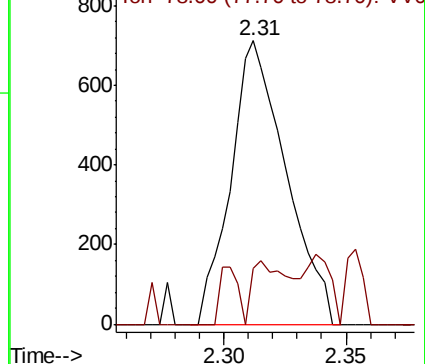
76 100

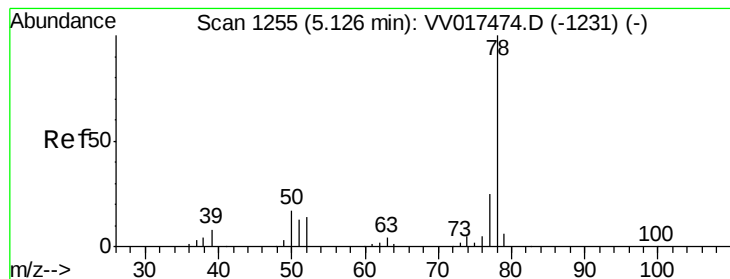
78 19.5 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV017474.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV017474.D (-366) (-)





#33

Benzene

Concen: 5.146 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV017480.D

Acq: 14 Jul 2020 13:43

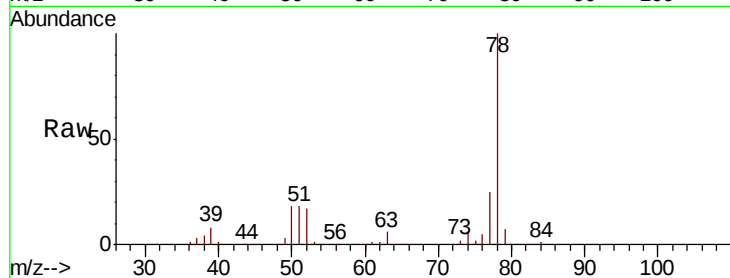
Instrument :

MSVOA_V

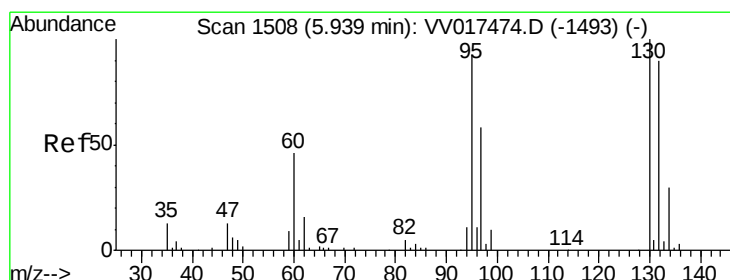
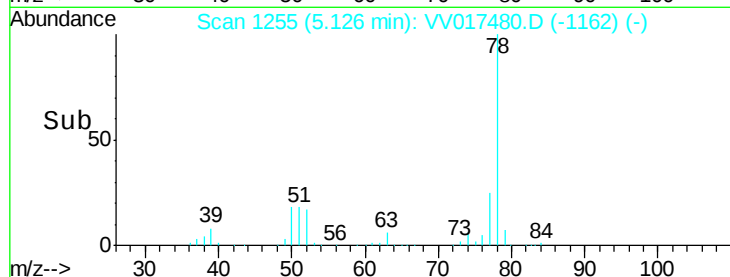
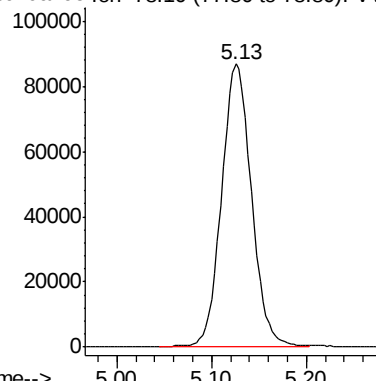
ClientSampleId :

GAXW3MS

Tgt Ion: 78 Resp: 191435



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.768 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017480.D

Acq: 14 Jul 2020 13:43

Tgt Ion: 95 Resp: 54153

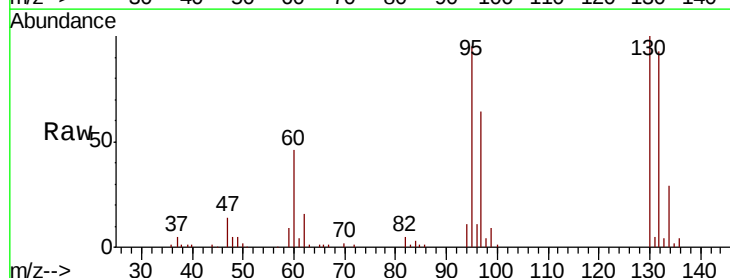
Ion	Ratio	Lower	Upper
95	100		
97	67.7	43.9	81.5
132	97.9	67.9	126.1
130	105.5	75.2	139.6

95 100

97 67.7 43.9 81.5

132 97.9 67.9 126.1

130 105.5 75.2 139.6

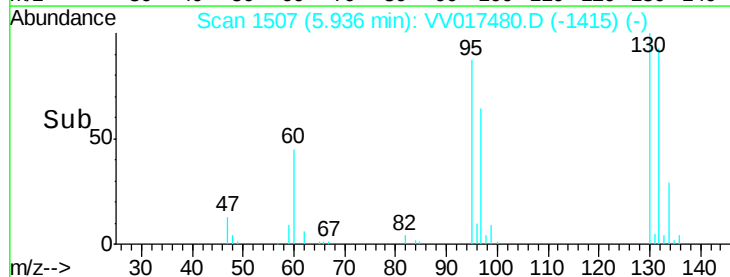
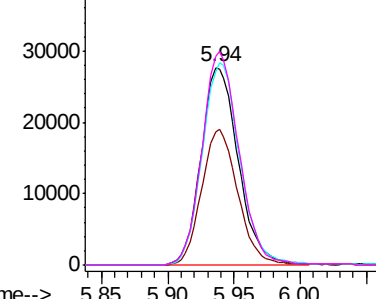


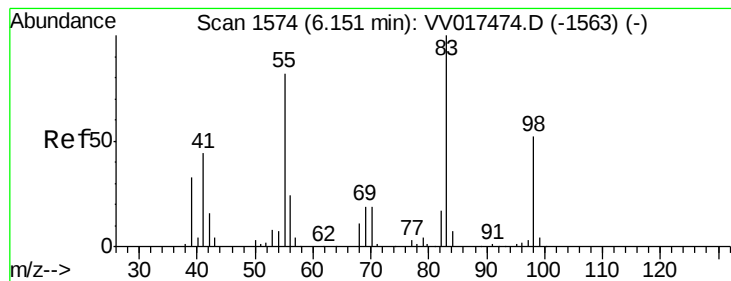
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methvlcvclohexane

Concen: 0.722 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017480.D

Acq: 14 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

GAXW3MS

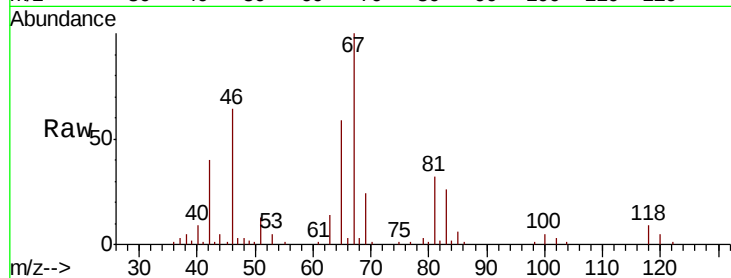
Tot Ion: 83 Resp: 12067

Ion Ratio Lower Upper

83 100

55 1.2 62.0 93.0#

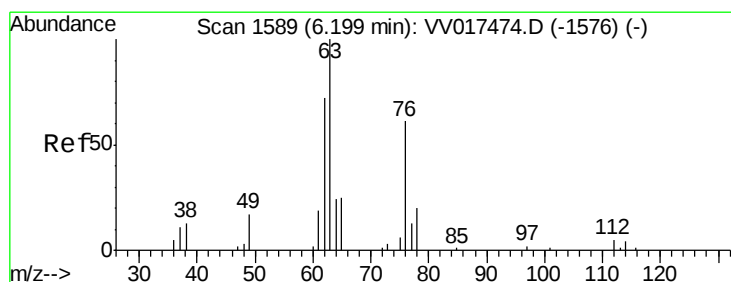
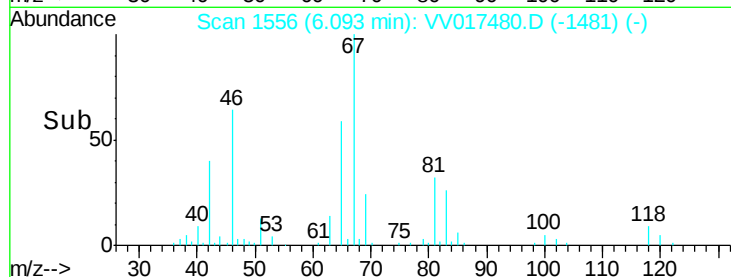
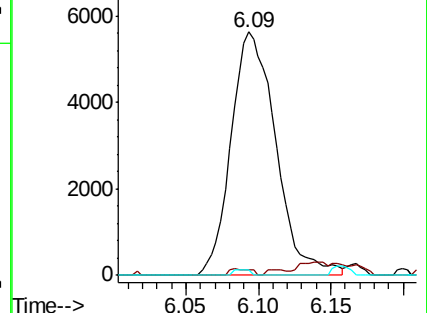
98 0.8 41.4 62.2#



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: 0.734 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017480.D

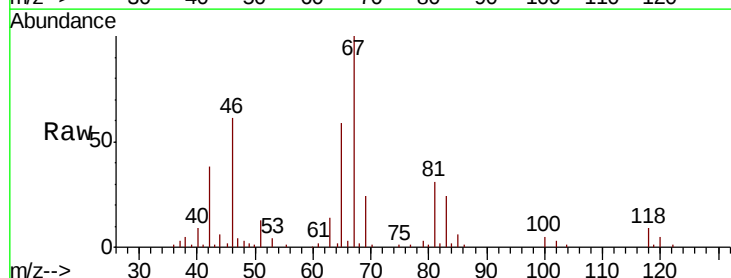
Acq: 14 Jul 2020 13:43

Tgt Ion: 63 Resp: 6319

Ion Ratio Lower Upper

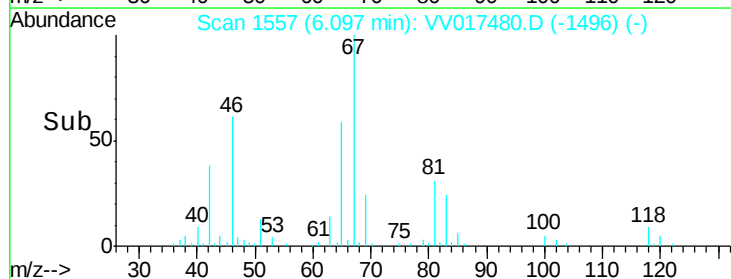
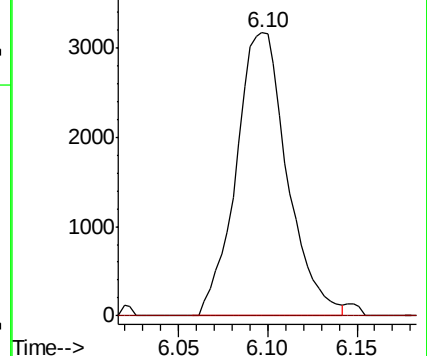
63 100

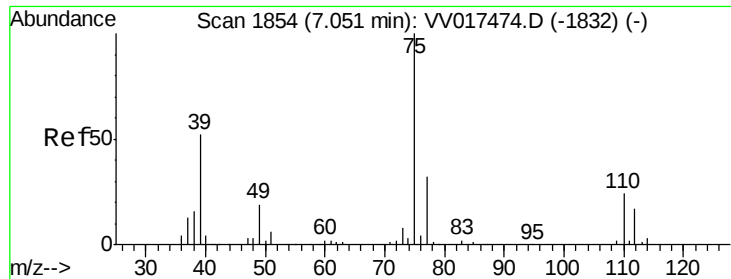
112 0.7 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

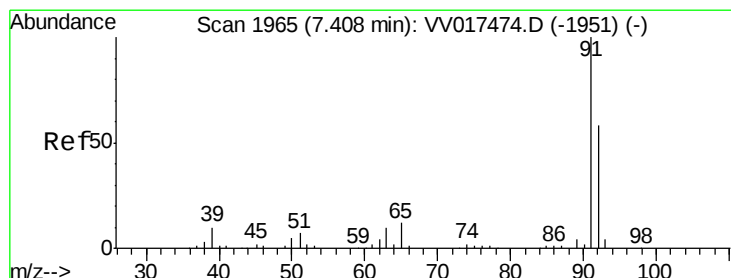
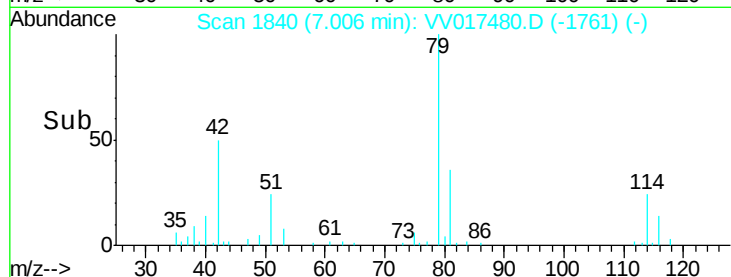
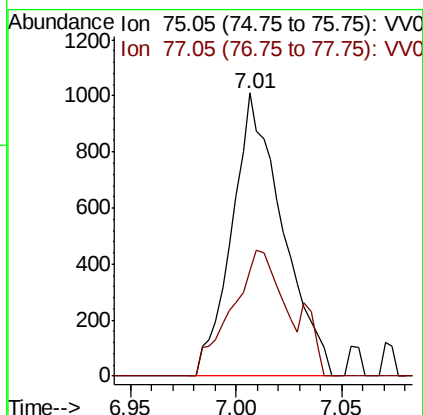
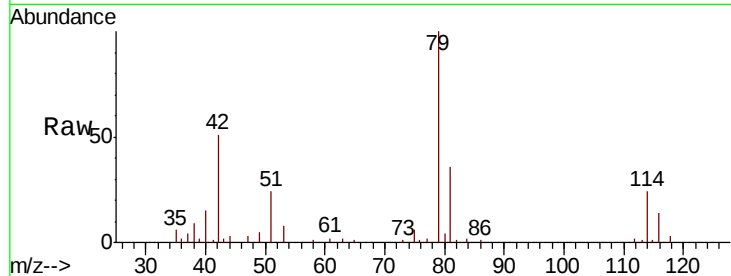




#39
 cis-1,3-Dichloropropene
 Concen: 0.122 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017480.D
 Acq: 14 Jul 2020 13:43

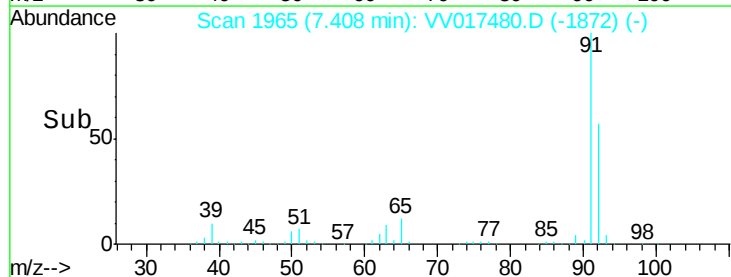
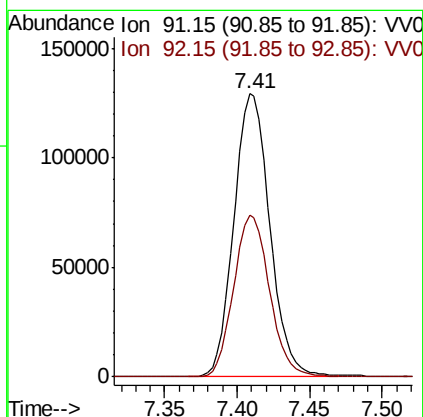
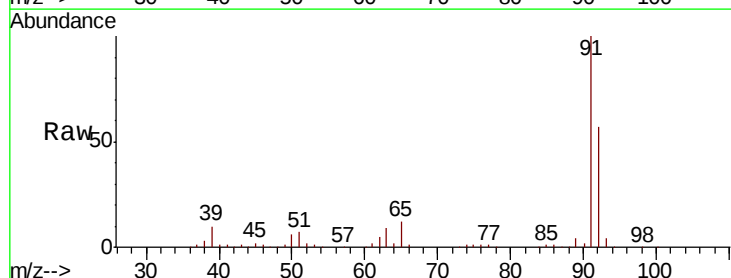
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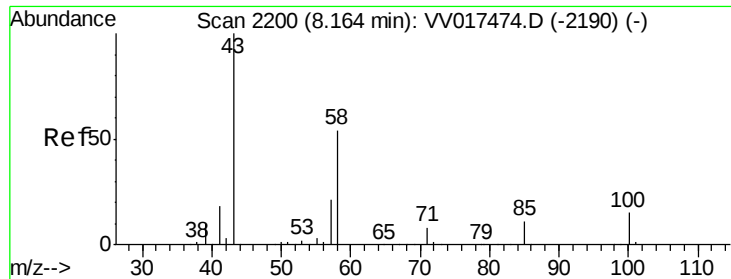
Tot Ion: 75 Resp: 1686
 Ion Ratio Lower Upper
 75 100
 77 37.4 22.3 41.5



#42
 Toluene
 Concen: 5.420 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VV017480.D
 Acq: 14 Jul 2020 13:43

Tgt Ion: 91 Resp: 222660
 Ion Ratio Lower Upper
 91 100
 92 56.9 40.7 75.5

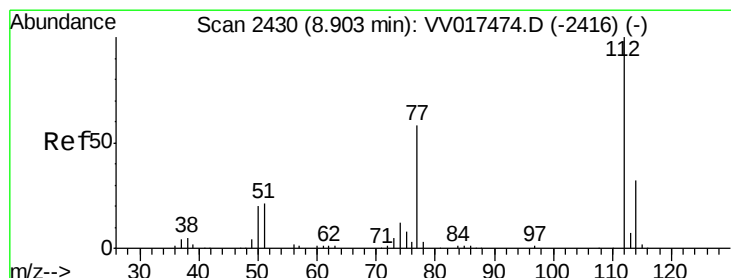
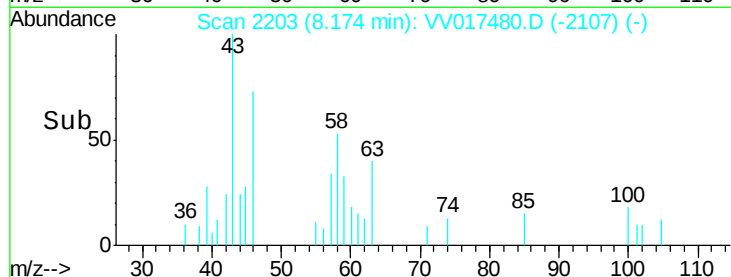
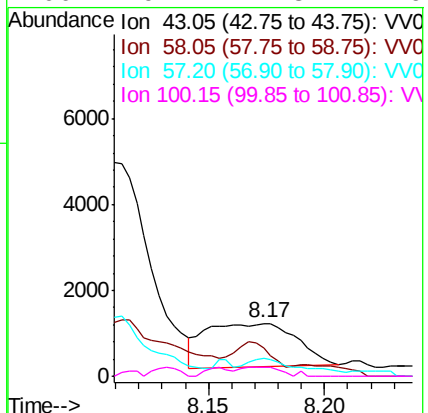
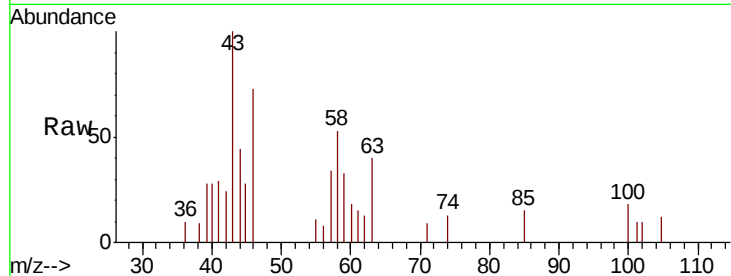




#50
2-Hexanone
Concen: 0.828 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.01 min
Lab File: VV017480.D
Acq: 14 Jul 2020 13:43

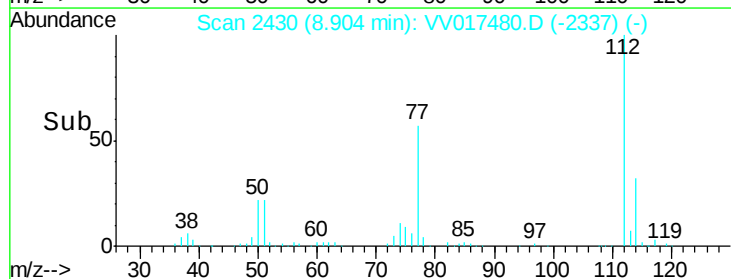
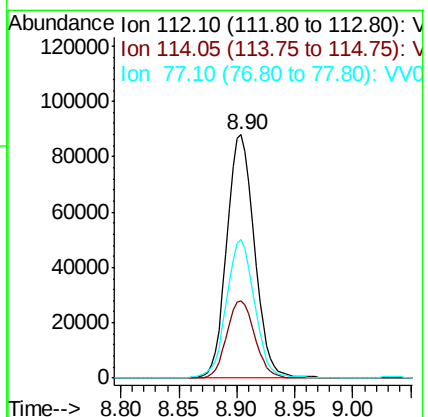
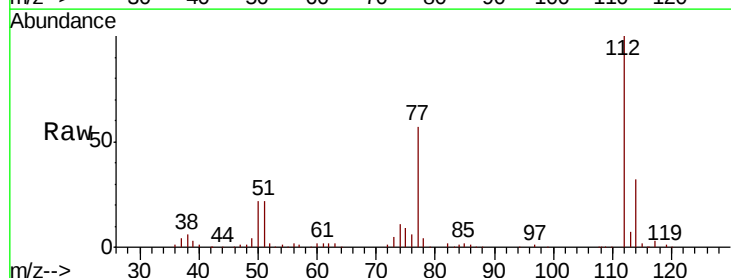
Instrument :
MSVOA_V
ClientSampled :
GAXW3MS

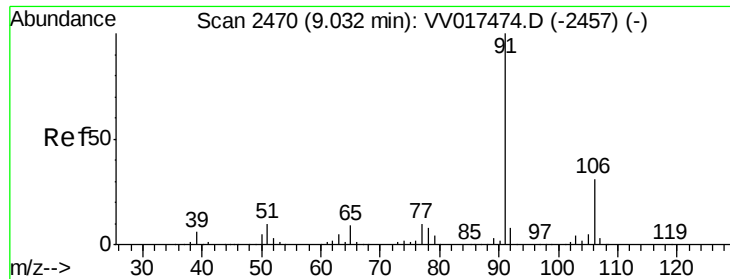
Tot Ion: 43 Resp: 2769
Ion Ratio Lower Upper
43 100
58 36.3 43.0 64.4#
57 15.5 16.8 25.2#
100 9.2 11.8 17.6#



#53
Chlorobenzene
Concen: 5.273 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017480.D
Acq: 14 Jul 2020 13:43

Tgt Ion: 112 Resp: 145095
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 56.8 47.0 70.4





#54

Ethylbenzene

Concen: 0.103 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017480.D

Acq: 14 Jul 2020 13:43

Instrument :

MSVOA_V

ClientSampleId :

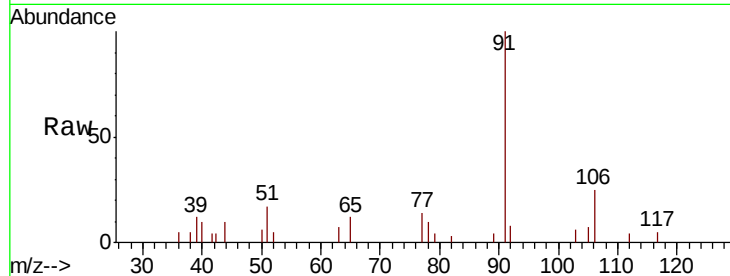
GAXW3MS

Tot Ion: 91 Resp: 4834

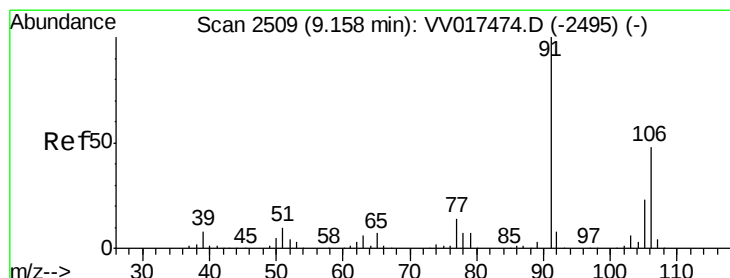
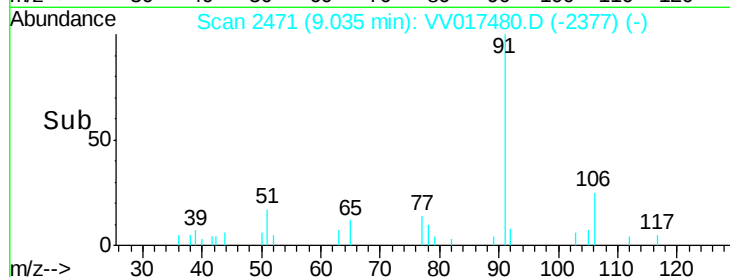
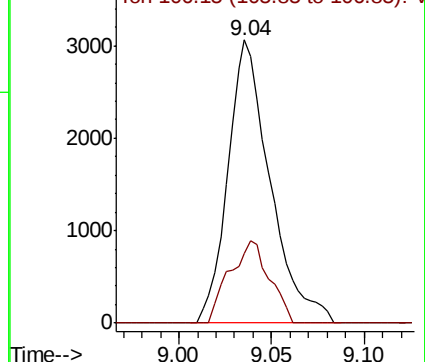
Ion Ratio Lower Upper

91 100

106 24.8 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VV017480.D (-2377) (-)



#55

m,p-xylene

Concen: 0.098 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017480.D

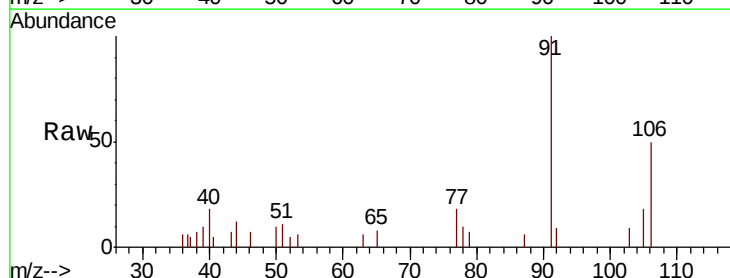
Acq: 14 Jul 2020 13:43

Tgt Ion: 106 Resp: 1734

Ion Ratio Lower Upper

106 100

91 199.8 144.2 267.8



Abundance Ion 106.15 (105.85 to 106.85): VV017480.D (-2416) (-)

