

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071720\
 Data File : VV0717531.D
 Acq On : 17 Jul 2020 18:13
 Operator : SY/MD
 Sample : L3336-08
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-6

Quant Time: Jul 18 05:11:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 18 05:06:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	354221	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	316217	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	178916	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67262	36.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.96%
7) Chloroethane-d5	1.58	69	68215	52.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.32%
11) 1,1-Dichloroethene-d2	2.12	63	142600	34.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.30%
21) 2-Butanone-d5	3.91	46	134241	106.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.58%
24) Chloroform-d	4.38	84	188970	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.06	65	127506	43.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.10%
32) Benzene-d6	5.08	84	329926	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.09	67	95583	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.18%
41) Toluene-d8	7.34	98	274498	41.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	7.64	79	48138	42.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.10%
47) 2-Hexanone-d5	8.11	63	85095	105.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.41%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	140933	51.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.06%
64) 1,2-Dichlorobenzene-d4	11.65	152	141287	47.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.46%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.19	43	5981	3.488	ug/L	97
16) Methylene chloride	2.52	84	2020	0.816	ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	12549	5.062	ug/L	99
33) Benzene	5.13	78	66361	7.939	ug/L	100
34) Trichloroethene	5.94	95	13712	5.525	ug/L	95
42) Toluene	7.41	91	82706	8.852	ug/L	100
46) Tetrachloroethene	8.00	164	24568	11.790	ug/L	97
51) Chlorobenzene	8.90	112	2107989	332.962	ug/L	99
53) m,p-Xylene	9.16	106	4846	1.211	ug/L	88
62) 1,3-Dichlorobenzene	11.20	146	881567	157.906	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	2118215	373.831	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	239156	42.972	ug/L	98
67) 1,3,5-Trichlorobenzene	13.28	180	1131342	269.016	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	1131342	306.780	ug/L	99
69) Naphthalene	13.53	128	9639	0.936	ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	87181	23.241	ug/L	97

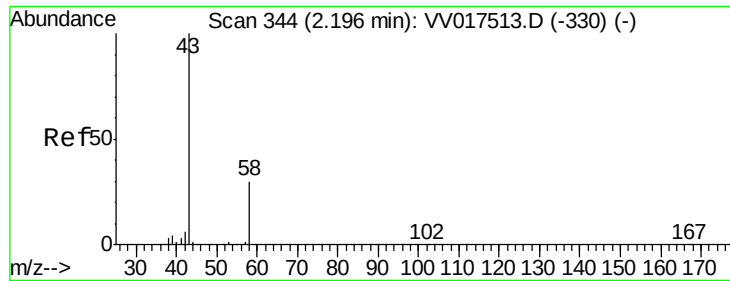
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071720\
Data File : VV017531.D
Acq On : 17 Jul 2020 18:13
Operator : SY/MD
Sample : L3336-08
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
PMW-6

Quant Time: Jul 18 05:11:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 18 05:06:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#13

Acetone

Concen: 3.488 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV017531.D

Acq: 17 Jul 2020 18:13

Instrument :

MSVOA_V

ClientSampled :

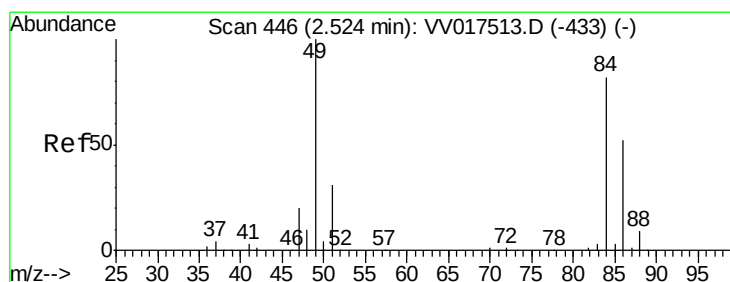
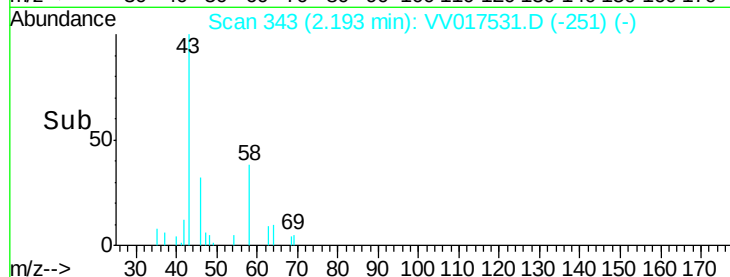
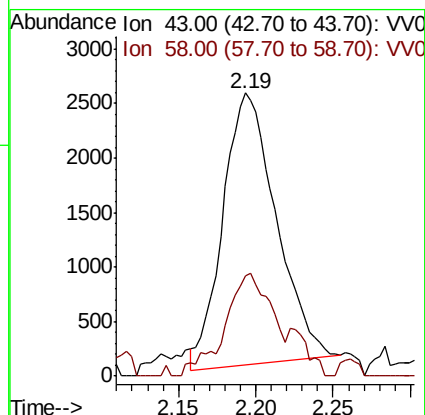
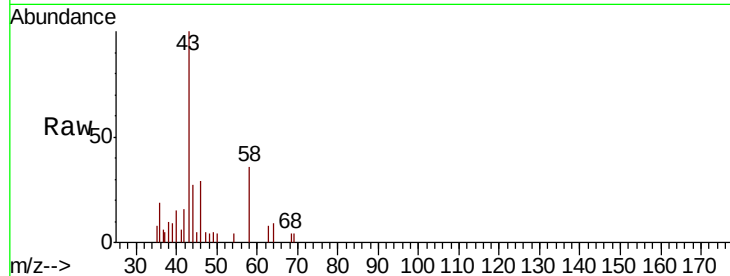
PMW-6

Tot Ion: 43 Resp: 5981

Ion Ratio Lower Upper

43 100

58 29.4 0.0 56.0



#16

Methylene chloride

Concen: 0.816 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017531.D

Acq: 17 Jul 2020 18:13

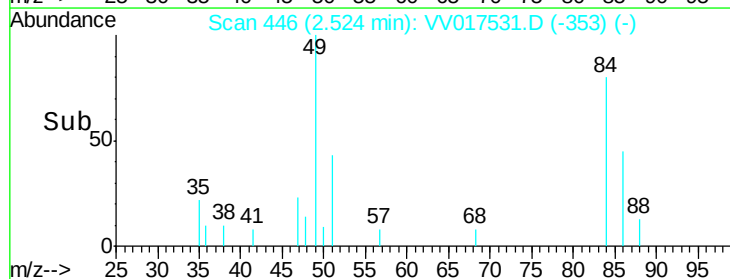
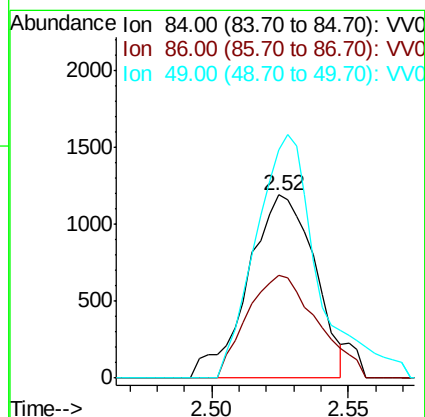
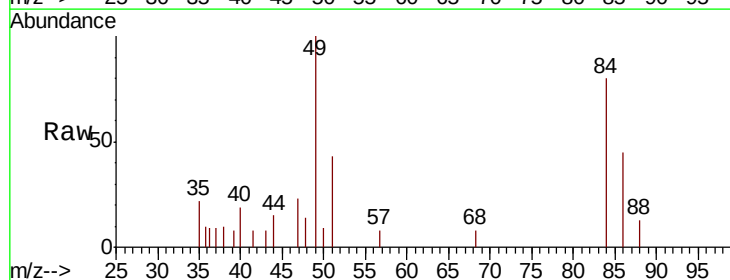
Tgt Ion: 84 Resp: 2020

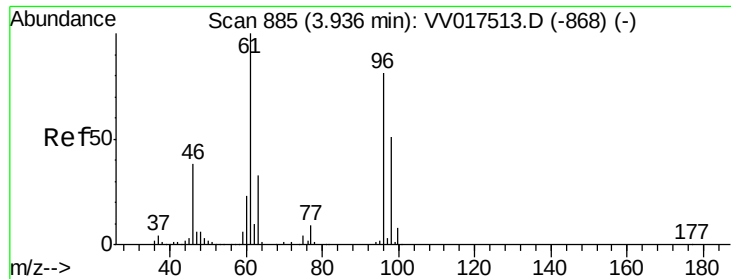
Ion Ratio Lower Upper

84 100

86 55.8 46.5 86.5

49 124.3 85.3 158.5

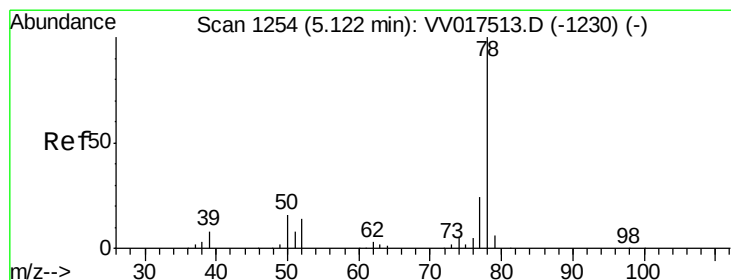
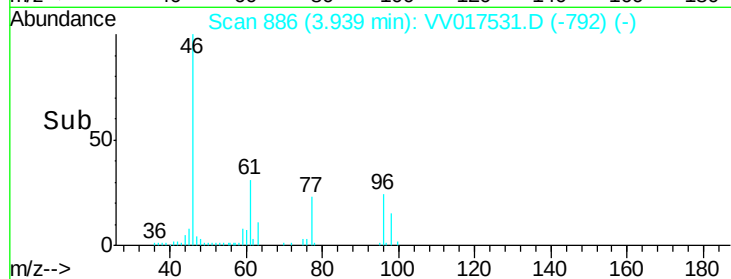
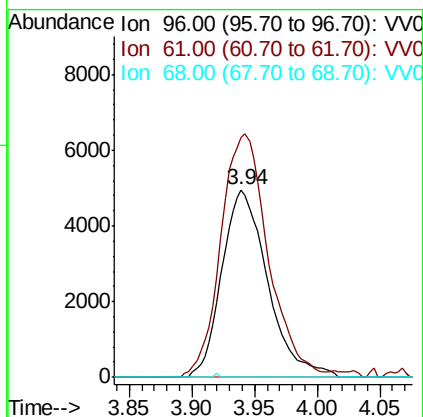
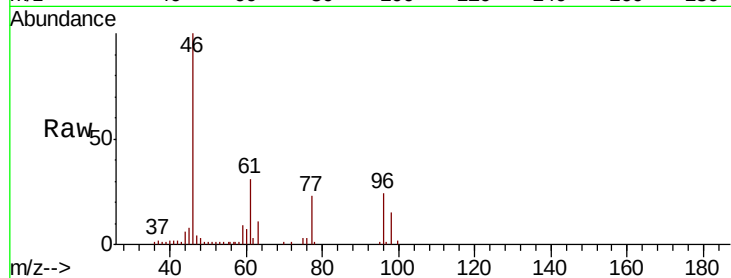




#20
 cis-1,2-Dichloroethene
 Concen: 5.062 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017531.D
 Acq: 17 Jul 2020 18:13

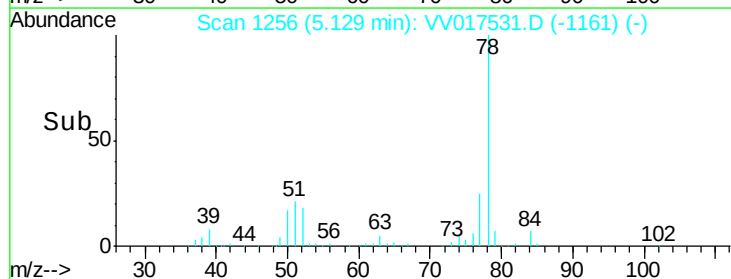
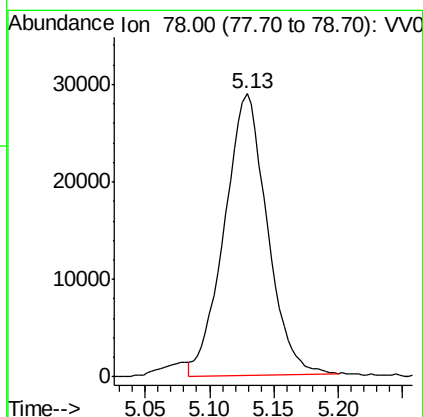
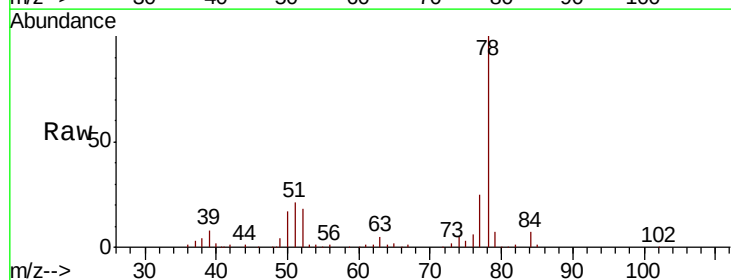
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-6

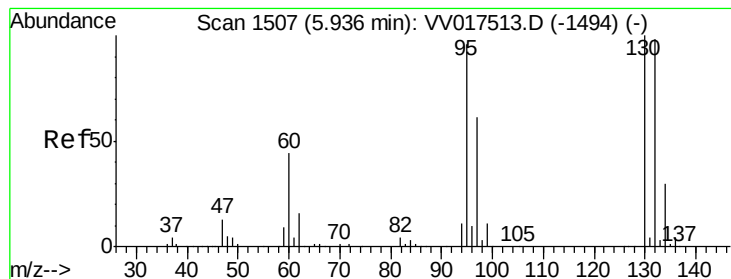
Tot Ion: 96 Resp: 12549
 Ion Ratio Lower Upper
 96 100
 61 127.6 88.9 165.1
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 7.939 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VV017531.D
 Acq: 17 Jul 2020 18:13

Tgt Ion: 78 Resp: 66361





#34

Trichloroethene

Concen: 5.525 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017531.D

Acq: 17 Jul 2020 18:13

Instrument :

MSVOA_V

ClientSampleId :

PMW-6

Tot Ion: 95 Resp: 13712

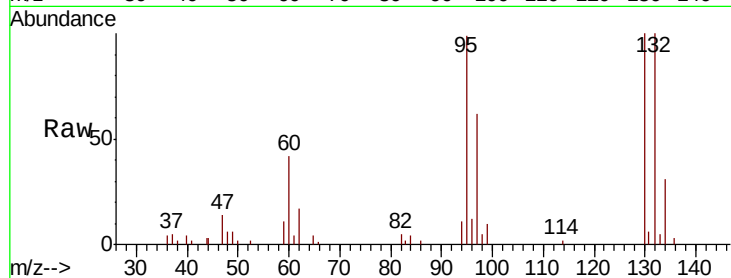
Ion Ratio Lower Upper

95 100

97 62.9 45.6 84.6

132 101.1 74.1 137.5

130 100.6 75.5 140.3

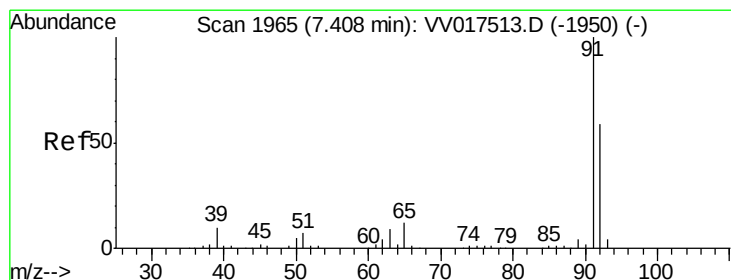
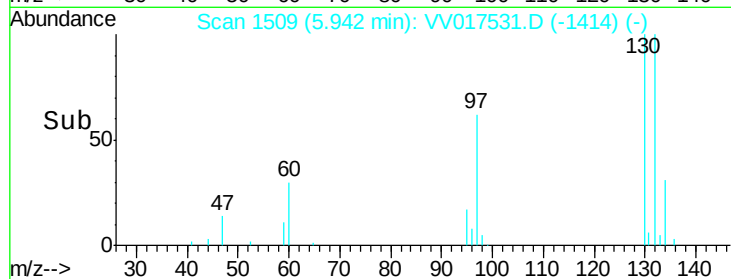
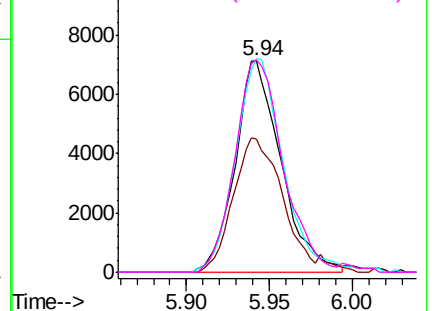


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#42

Toluene

Concen: 8.852 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017531.D

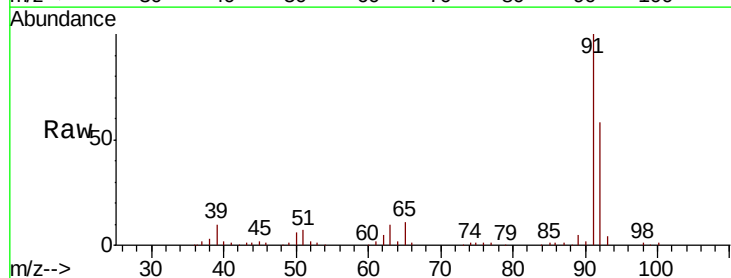
Acq: 17 Jul 2020 18:13

Tgt Ion: 91 Resp: 82706

Ion Ratio Lower Upper

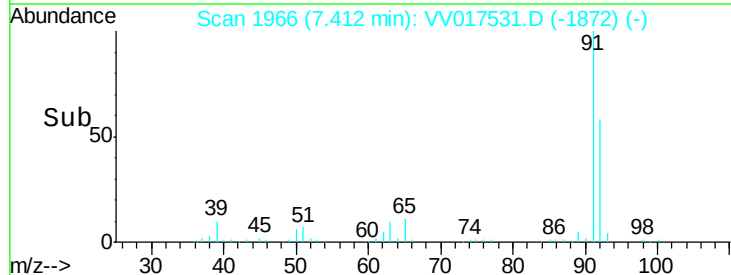
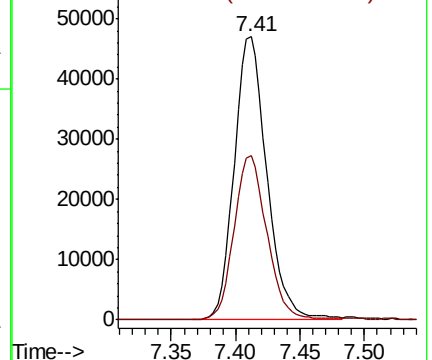
91 100

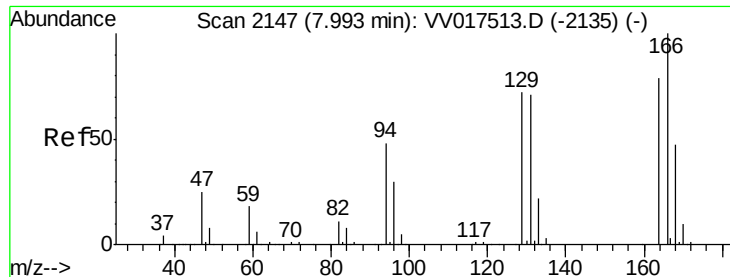
92 58.1 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0





#46

Tetrachloroethene

Concen: 11.790 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 18:13

Instrument :

MSVOA_V

ClientSampleId :

PMW-6

Tot Ion:164 Resp: 24568

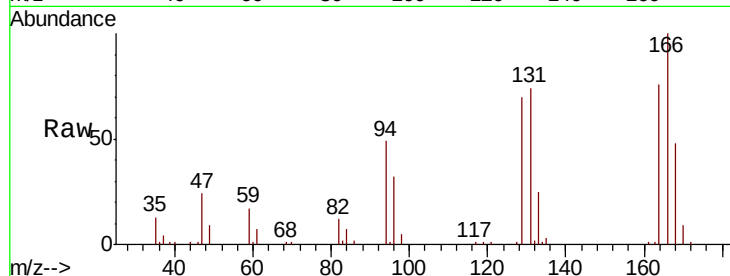
Ion Ratio Lower Upper

164 100

129 91.5 66.6 123.8

131 97.6 65.5 121.7

166 131.4 93.9 174.5

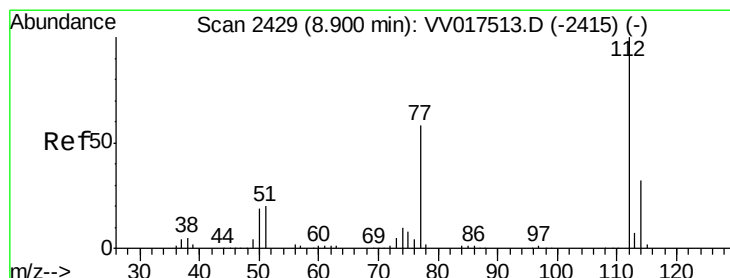
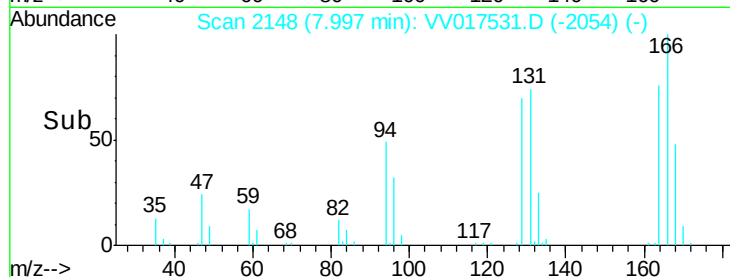
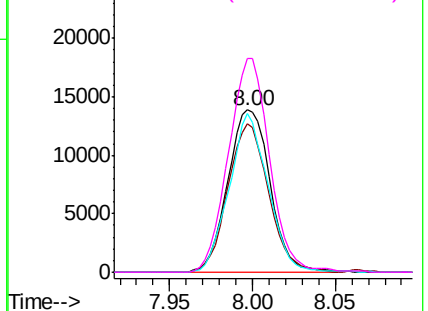


Abundance Ion 164.00 (163.70 to 164.70): V

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



#51

Chlorobenzene

Concen: 332.962 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 18:13

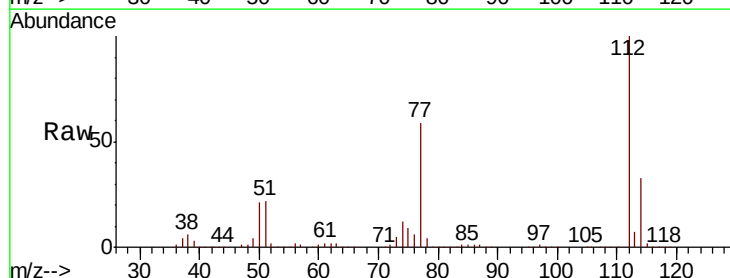
Tgt Ion:112 Resp: 2107989

Ion Ratio Lower Upper

112 100

114 33.0 22.7 42.1

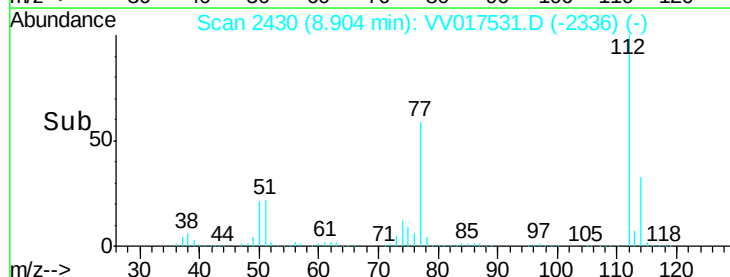
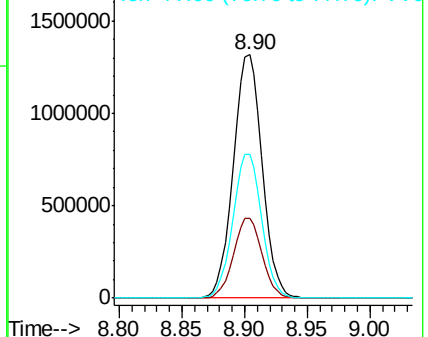
77 59.2 46.7 70.1

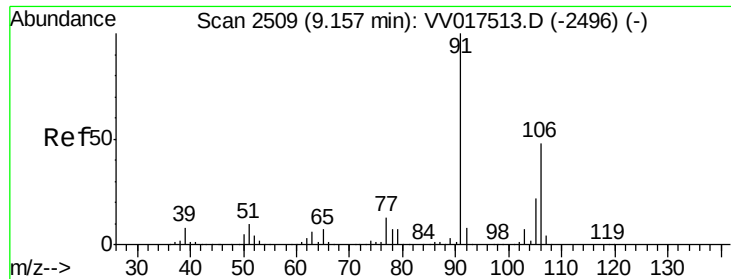


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#53

m,p-Xylene

Concen: 1.211 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 18:13

Instrument :

MSVOA_V

ClientSampleId :

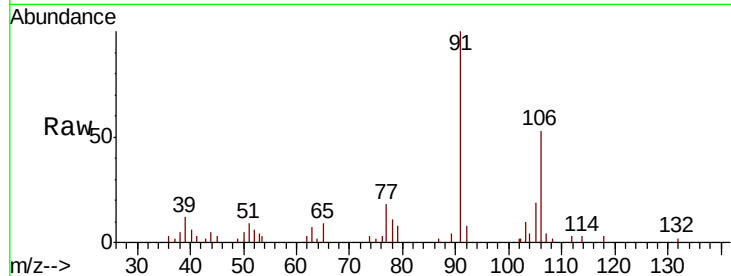
PMW-6

Tot Ion:106 Resp: 4846

Ion Ratio Lower Upper

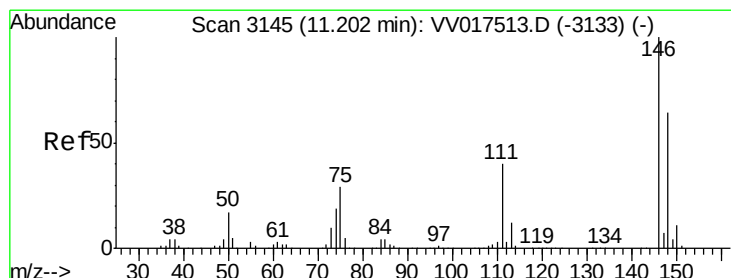
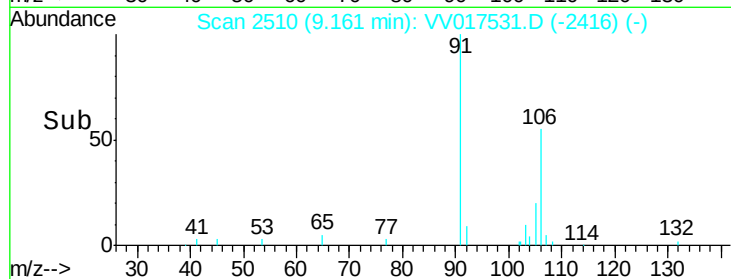
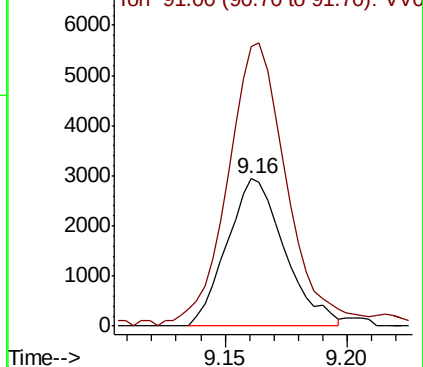
106 100

91 189.6 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#62

1,3-Dichlorobenzene

Concen: 157.906 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 18:13

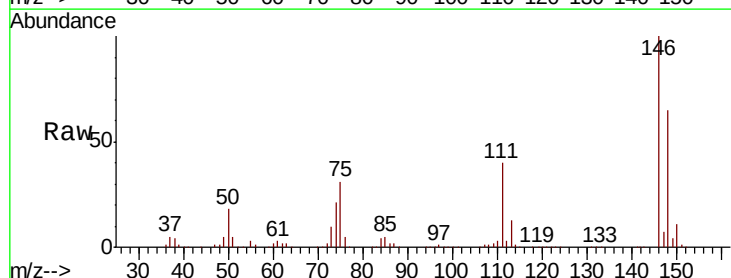
Tgt Ion:146 Resp: 881567

Ion Ratio Lower Upper

146 100

111 40.4 27.2 50.6

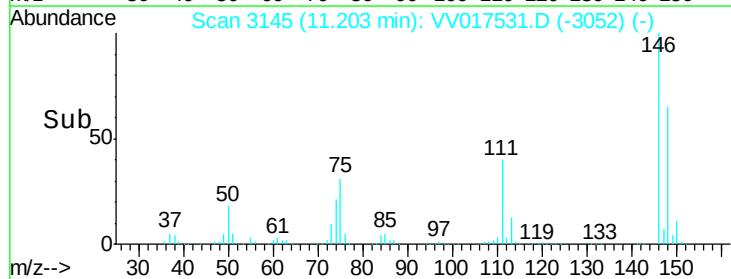
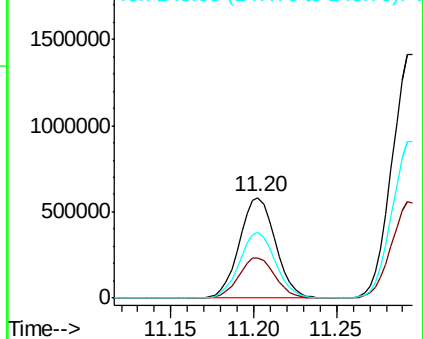
148 65.0 44.7 82.9

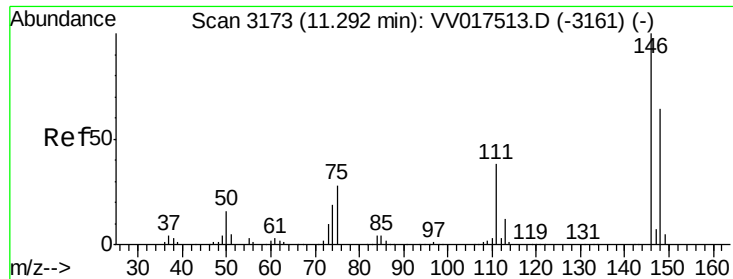


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

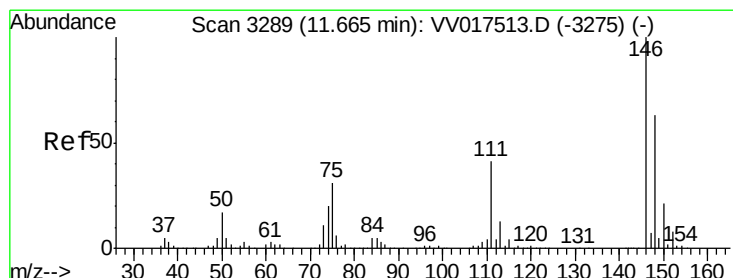
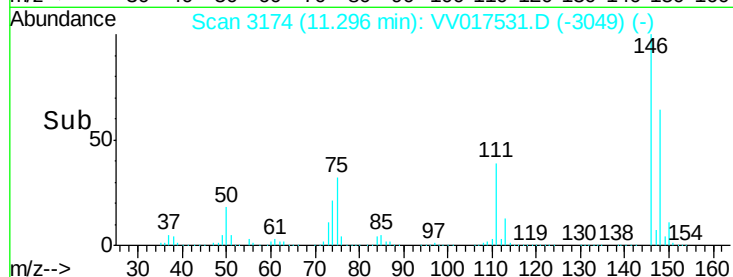
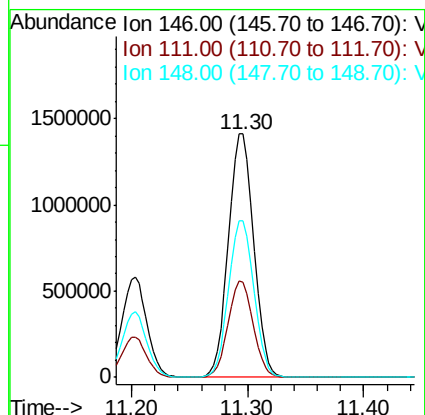
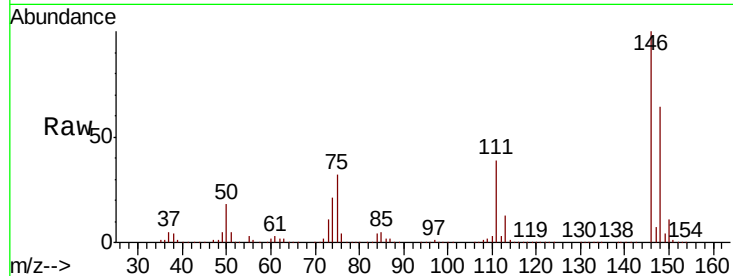




#63
 1,4-Dichlorobenzene
 Concen: 373.831 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV017531.D
 Acq: 17 Jul 2020 18:13

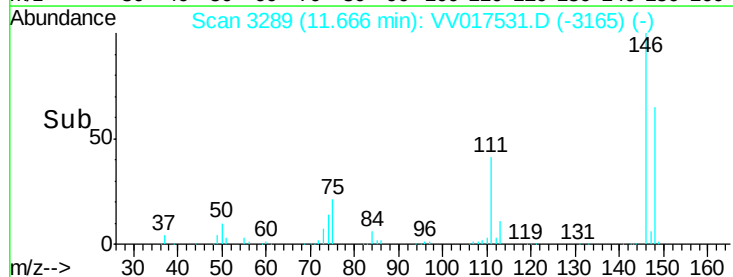
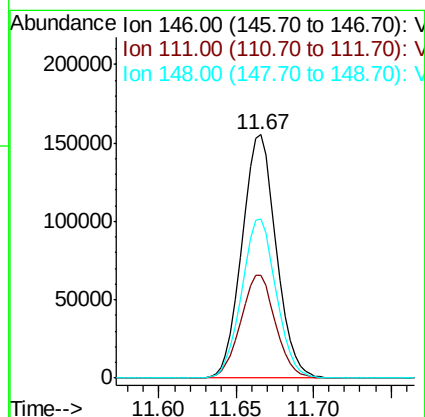
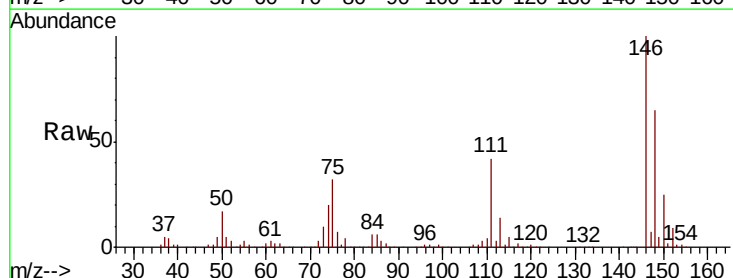
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-6

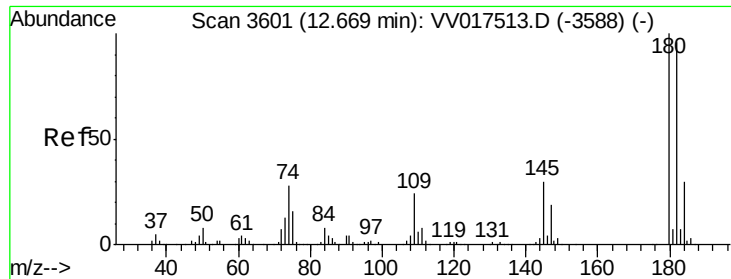
Tot Ion:146 Resp: 2118215
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.2 50.4
 148 64.1 45.4 84.4



#65
 1,2-Dichlorobenzene
 Concen: 42.972 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017531.D
 Acq: 17 Jul 2020 18:13

Tgt Ion:146 Resp: 239156
 Ion Ratio Lower Upper
 146 100
 111 42.1 33.5 50.3
 148 65.5 50.6 76.0

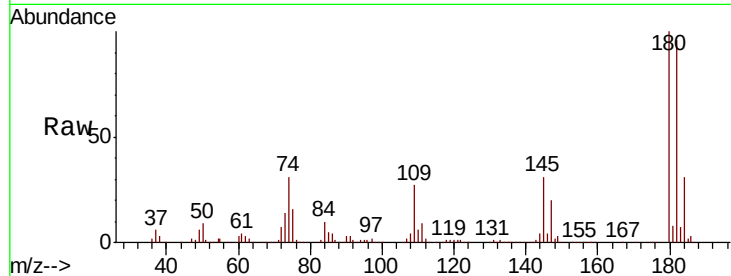




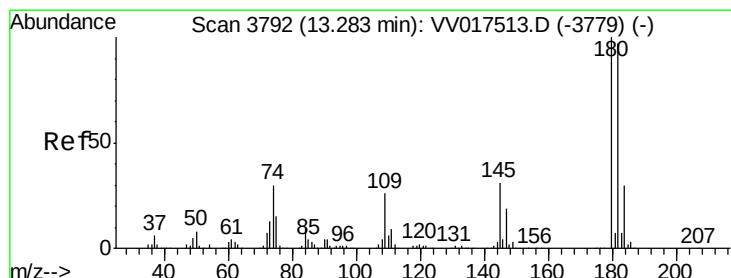
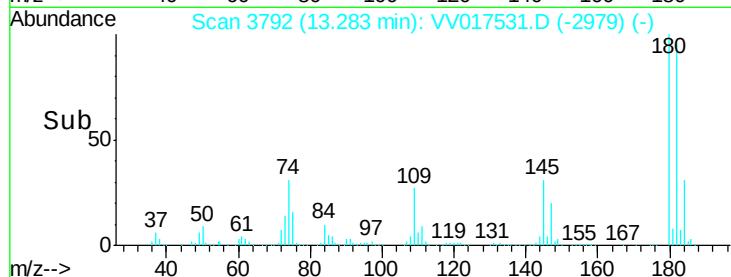
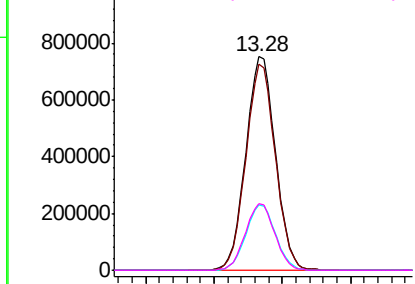
#67
 1,3,5-Trichlorobenzene
 Concen: 269.016 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.61 min
 Lab File: VV017531.D
 Acq: 17 Jul 2020 18:13

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-6

Tot Ion:180 Resp: 1131342
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.0 115.4
 184 30.7 24.0 36.0
 145 31.1 23.8 35.8

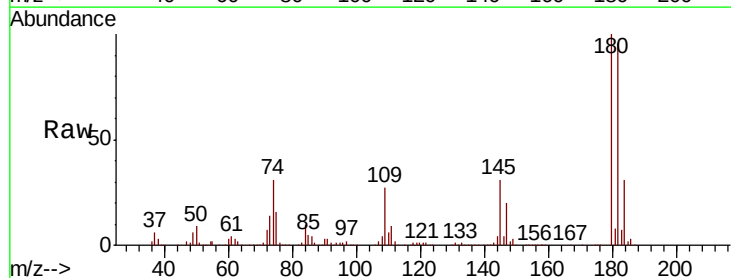


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

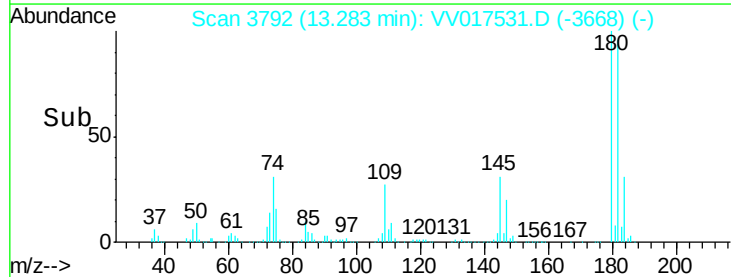
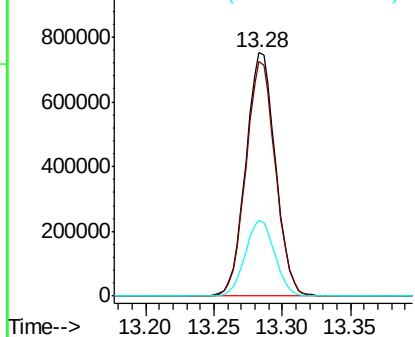


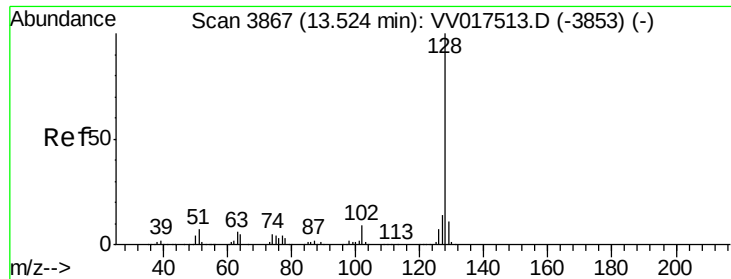
#68
 1,2,4-trichlorobenzene
 Concen: 306.780 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017531.D
 Acq: 17 Jul 2020 18:13

Tgt Ion:180 Resp: 1131342
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.0 114.0
 145 31.1 24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 0.936 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV017531.D

Acq: 17 Jul 2020 18:13

Instrument :

MSVOA_V

ClientSampleId :

PMW-6

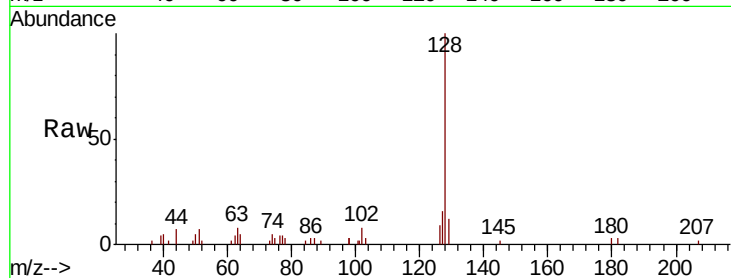
Tot Ion:128 Resp: 9639

Ion Ratio Lower Upper

128 100

127 15.4 10.7 16.1

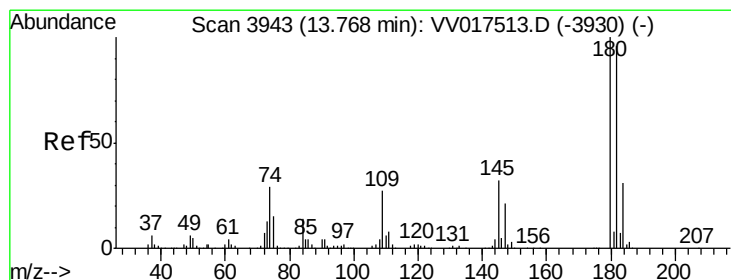
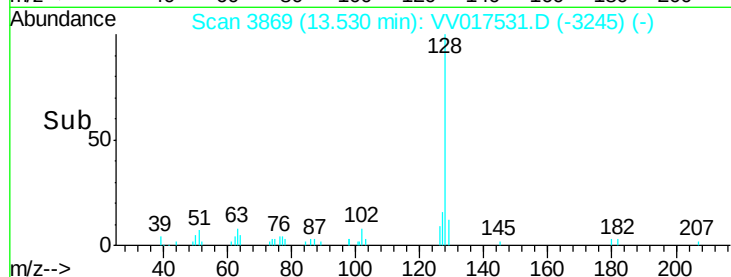
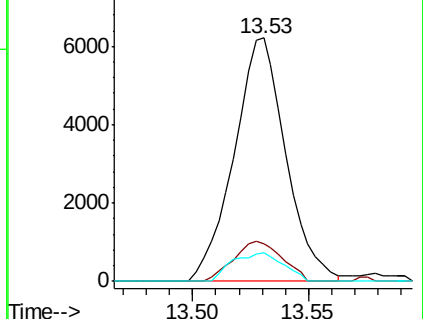
129 11.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.241 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017531.D

Acq: 17 Jul 2020 18:13

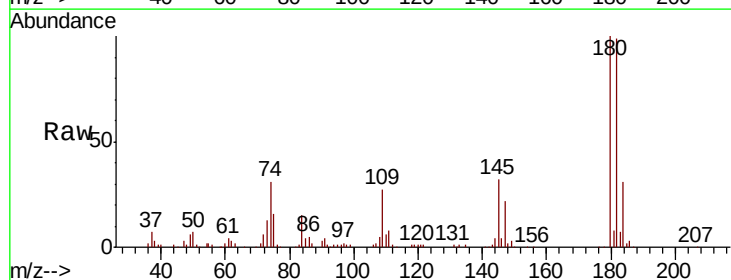
Tgt Ion:180 Resp: 87181

Ion Ratio Lower Upper

180 100

182 99.1 76.3 114.5

145 32.2 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

