

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018786.D
 Acq On : 09 Oct 2020 01:49
 Operator : SY/MD
 Sample : L4239-13DL 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Q4DL

Quant Time: Oct 09 07:33:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 07:31:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	349521	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	311998	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	166736	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	140309	44.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.36%
7) Chloroethane-d5	1.58	69	115874	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.66%
11) 1,1-Dichloroethene-d2	2.12	63	212496	34.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.42%
21) 2-Butanone-d5	3.90	46	187326	96.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.06%
24) Chloroform-d	4.37	84	241293	43.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.12%
26) 1,2-Dichloroethane-d4	5.06	65	181403	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.52%
32) Benzene-d6	5.07	84	520969	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.76%
36) 1,2-Dichloropropane-d6	6.09	67	163825	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.08%
41) Toluene-d8	7.34	98	427358	47.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.90%
43) trans-1,3-Dichloropropene-	7.64	79	74343	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.11	63	105199	91.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.68%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	162709	43.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	185477	50.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.52%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1945	0.774 ug/L #	19
29) Cyclohexane	4.71	56	26057	6.896 ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	11815	2.841 ug/L	97
42) Toluene	7.41	91	270243	26.580 ug/L	98
46) Tetrachloroethene	8.00	164	1916	0.918 ug/L	83
48) 2-Hexanone	8.16	43	12547	4.498 ug/L #	84
49) Dibromochloromethane	8.00	129	1838	0.689 ug/L #	10
52) Ethylbenzene	9.04	91	26975	2.336 ug/L	99
53) m,p-Xylene	9.16	106	31268	7.378 ug/L	94
54) o-xylene	9.57	106	12990	3.227 ug/L	94
56) Isopropylbenzene	9.95	105	13671	1.227 ug/L	94
59) 1,2,3-Trichloropropane	11.27	75	21305	6.585 ug/L	92
67) 1,3,5-Trichlorobenzene	13.29	180	12768	3.626 ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	12768	3.856 ug/L	97
69) Naphthalene	13.53	128	20480	2.195 ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	6246	1.900 ug/L	97

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Instrument :
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ClientSampleId :
BG3Q4DL

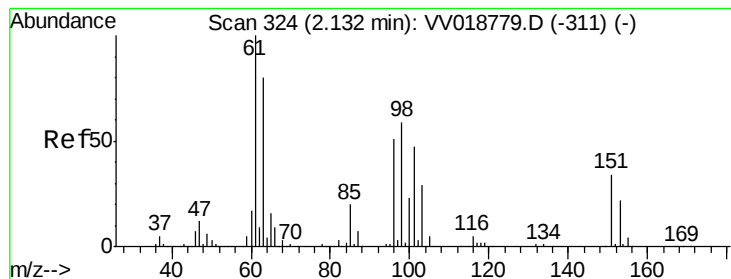
Quant Time: Oct 09 07:33:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 09 07:31:27 2020
Response via : Initial Calibration

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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Acq On    : 09 Oct 2020 01:49
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Response via : Initial Calibration



#10

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

Concen: 0.774 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

Instrument :

MSVOA_V

ClientSampleId :

BG3Q4DL

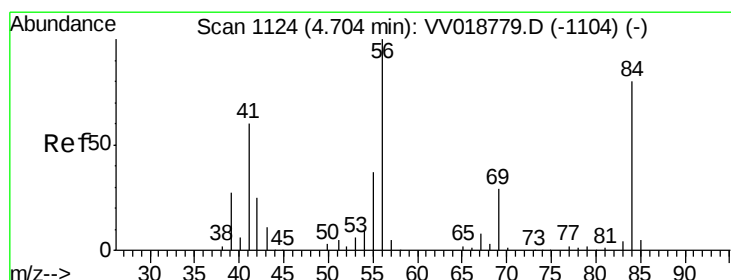
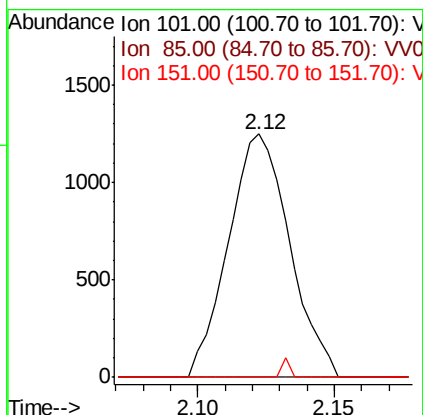
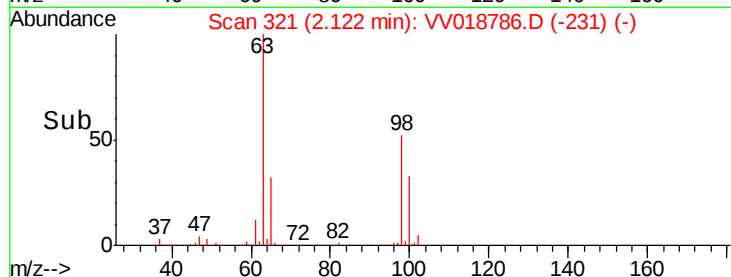
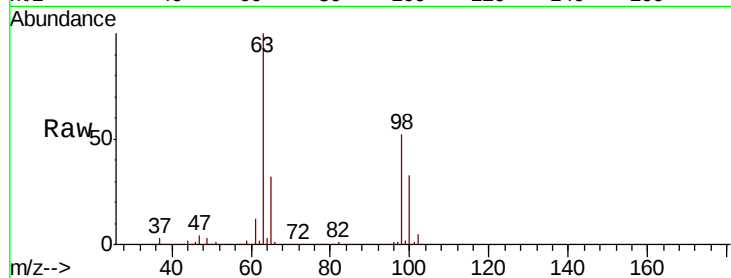
Tot Ion:101 Resp: 1945

Ion Ratio Lower Upper

101 100

85 0.0 35.9 53.9#

151 0.0 59.8 89.8#



#29

Cyclohexane

Concen: 6.896 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

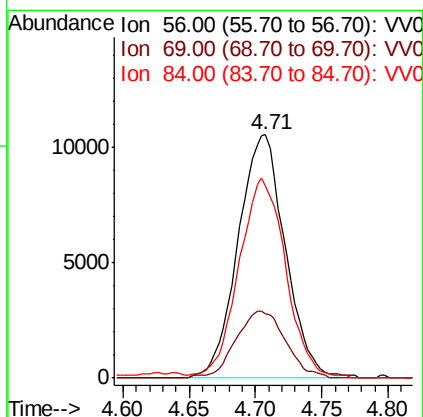
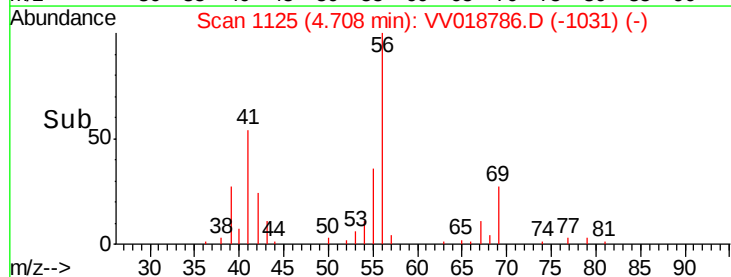
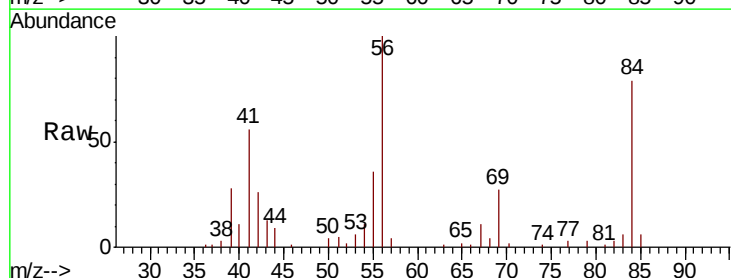
Tgt Ion: 56 Resp: 26057

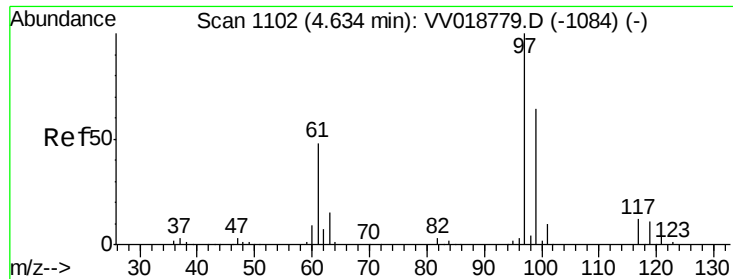
Ion Ratio Lower Upper

56 100

69 26.6 23.1 34.7

84 79.0 65.2 97.8

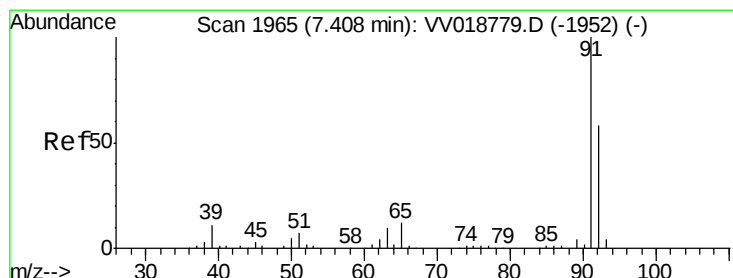
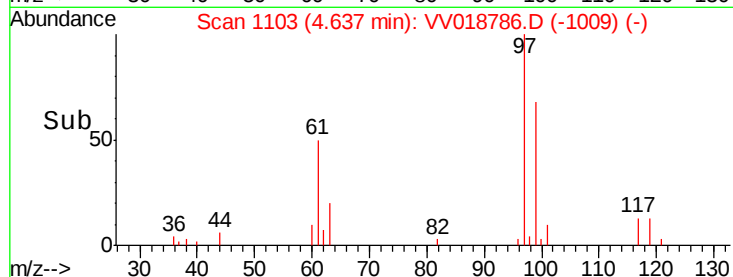
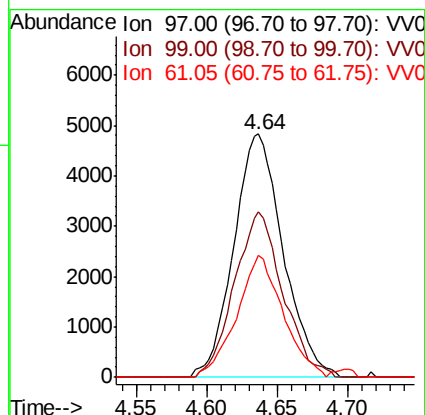
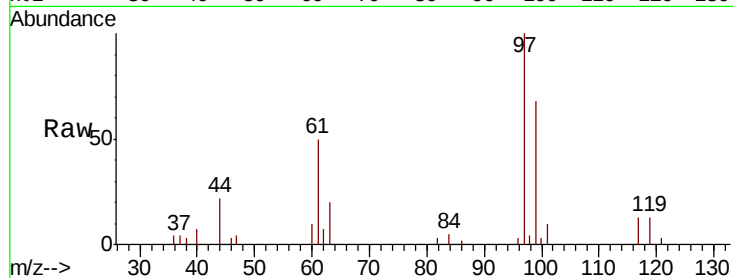




#30
 1,1,1-Trichloroethane
 Concen: 2.841 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV018786.D
 Acq: 09 Oct 2020 01:49

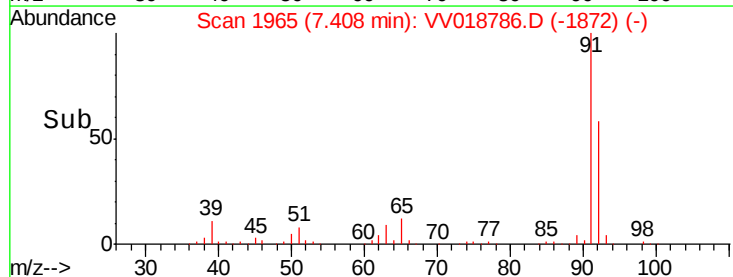
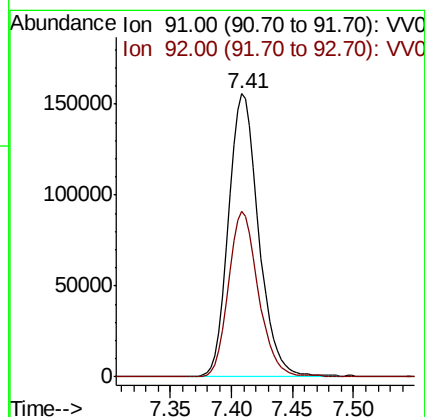
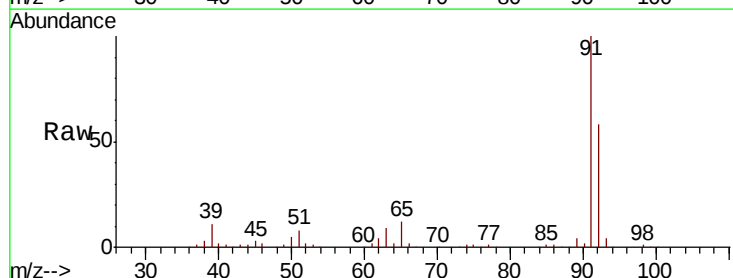
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Q4DL

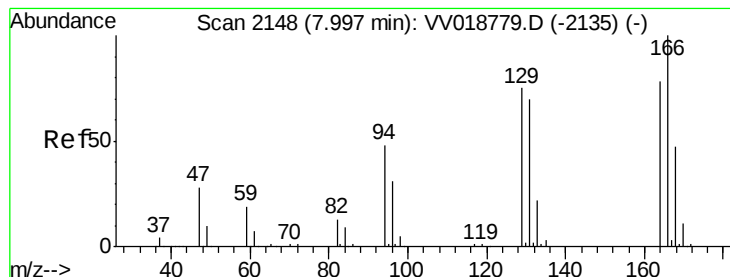
Tot Ion: 97 Resp: 11815
 Ion Ratio Lower Upper
 97 100
 99 66.8 51.0 76.4
 61 46.9 37.0 55.4



#42
 Toluene
 Concen: 26.580 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VV018786.D
 Acq: 09 Oct 2020 01:49

Tgt Ion: 91 Resp: 270243
 Ion Ratio Lower Upper
 91 100
 92 58.3 39.8 74.0





#46

Tetrachloroethene

Concen: 0.918 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

Instrument :

MSVOA_V

ClientSampled :

BG3Q4DL

Tot Ion:164 Resp: 1916

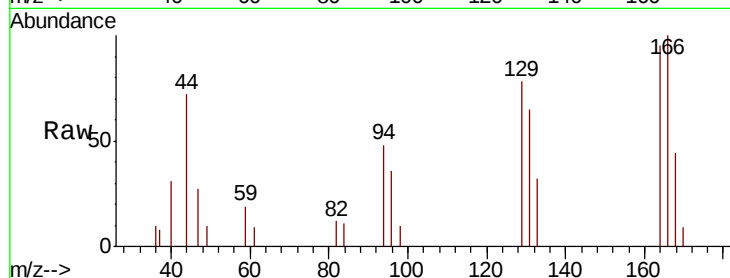
Ion Ratio Lower Upper

164 100

129 82.8 64.6 120.0

131 69.1 63.6 118.0

166 105.6 88.3 164.1



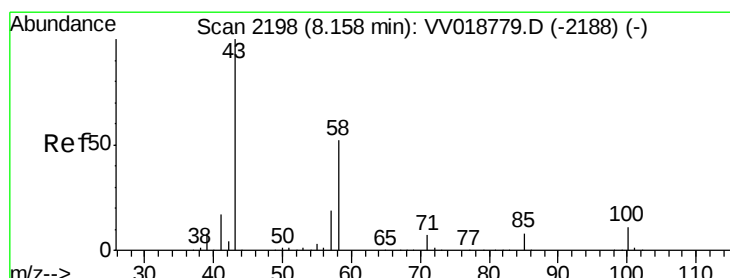
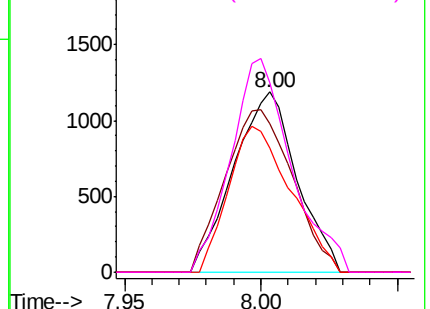
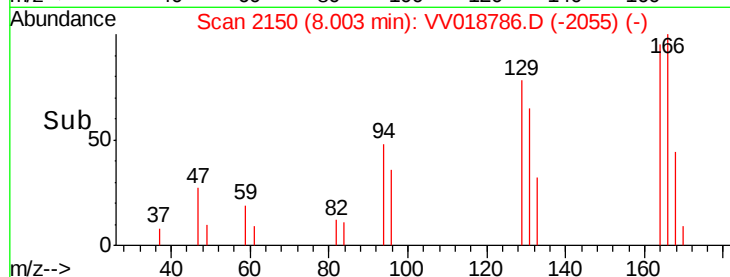
Abundance

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



#48

2-Hexanone

Concen: 4.498 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

Tgt Ion: 43 Resp: 12547

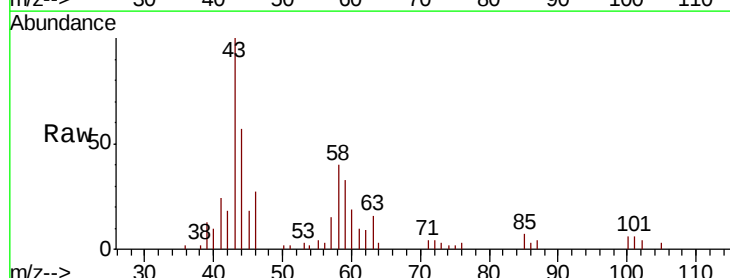
Ion Ratio Lower Upper

43 100

58 37.2 41.8 62.8#

57 20.1 14.9 22.3

100 6.6 9.2 13.8#



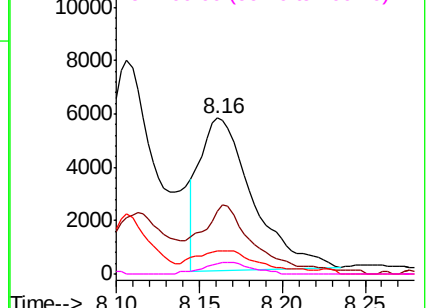
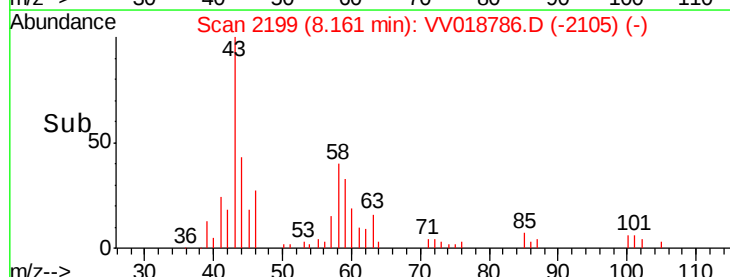
Abundance

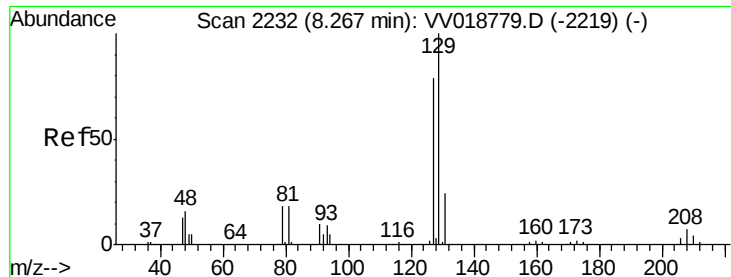
Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 0.689 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

Instrument :

MSVOA_V

ClientSampleID :

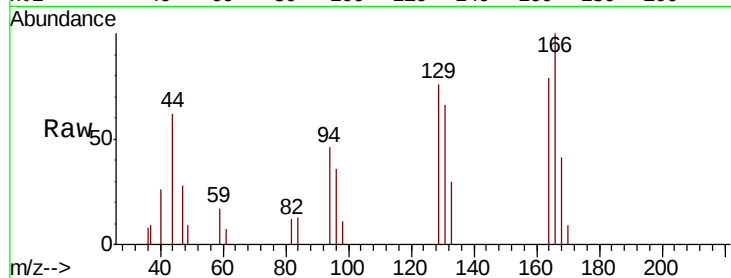
BG3Q4DL

Tot Ion:129 Resp: 1838

Ion Ratio Lower Upper

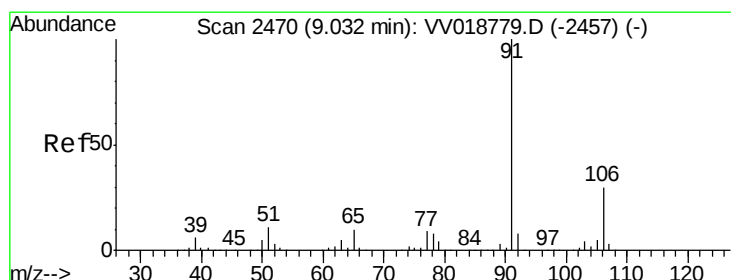
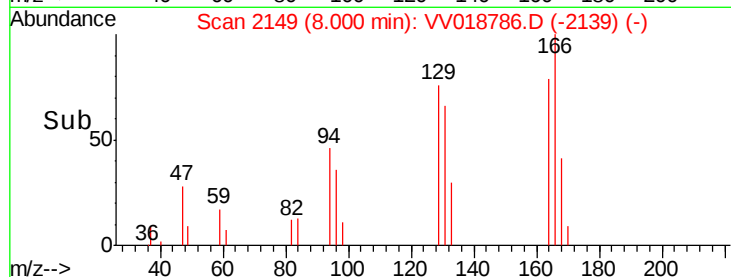
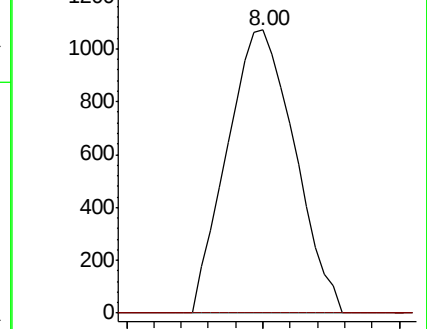
129 100

127 0.0 55.3 102.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#52

Ethylbenzene

Concen: 2.336 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018786.D

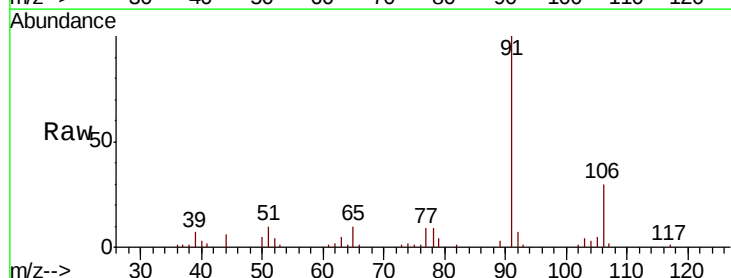
Acq: 09 Oct 2020 01:49

Tgt Ion: 91 Resp: 26975

Ion Ratio Lower Upper

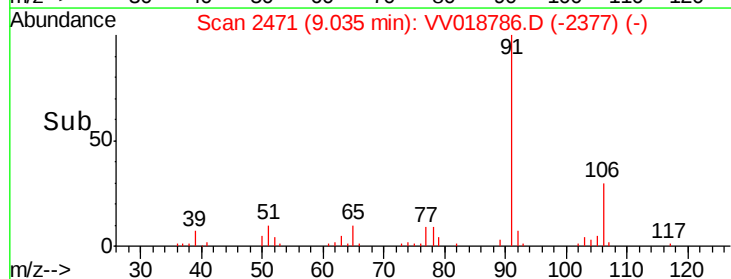
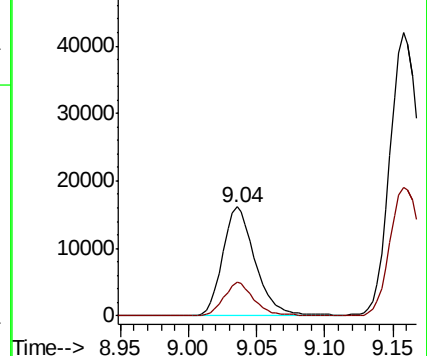
91 100

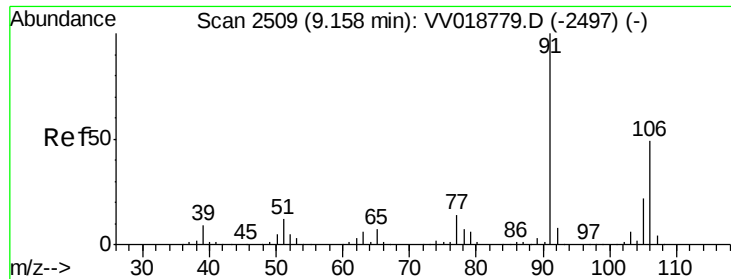
106 30.5 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V

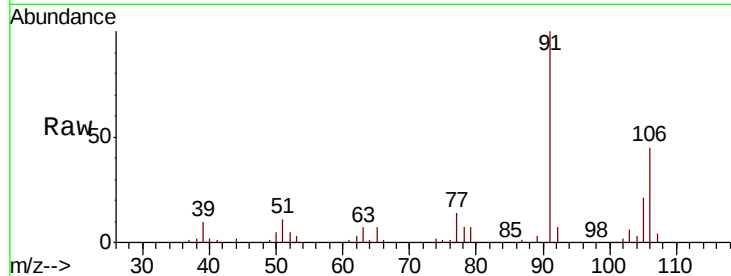




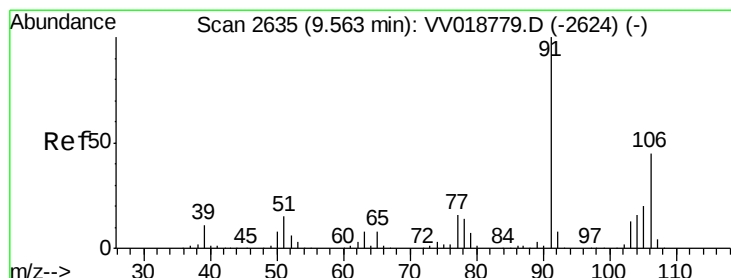
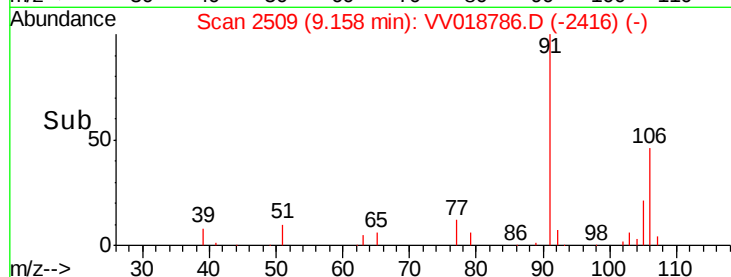
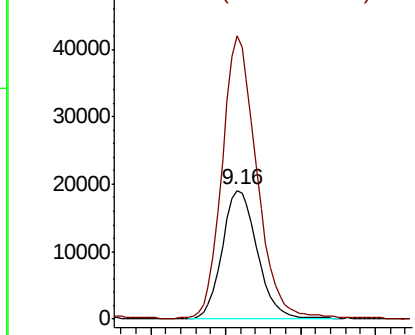
#53
m,p-Xylene
Concen: 7.378 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018786.D
Acq: 09 Oct 2020 01:49

Instrument :
MSVOA_V
ClientSampleId :
BG3Q4DL

Tot Ion:106 Resp: 31268
Ion Ratio Lower Upper
106 100
91 219.8 147.1 273.1

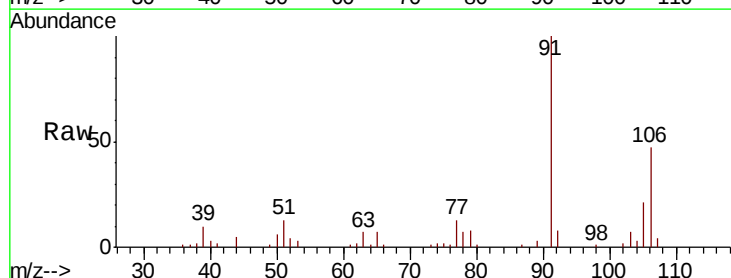


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

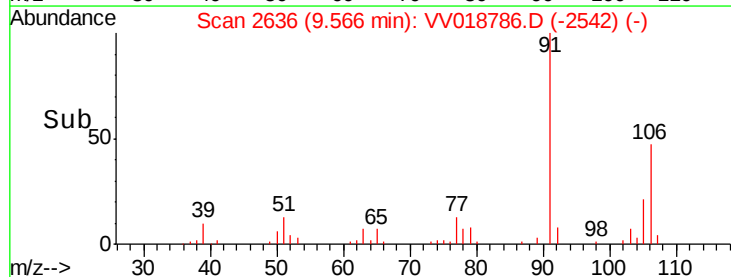
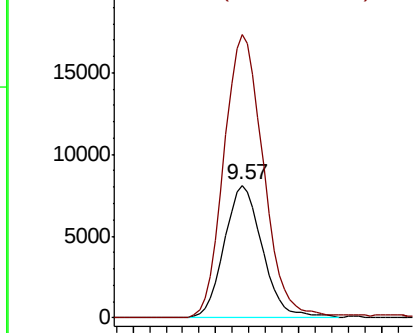


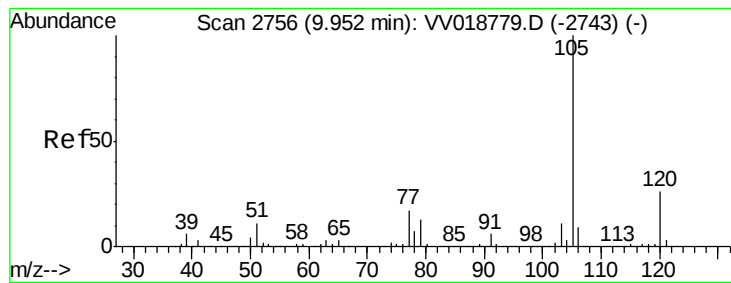
#54
o-xylene
Concen: 3.227 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018786.D
Acq: 09 Oct 2020 01:49

Tgt Ion:106 Resp: 12990
Ion Ratio Lower Upper
106 100
91 213.6 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 1.227 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

Instrument :

MSVOA_V

ClientSampled :

BG3Q4DL

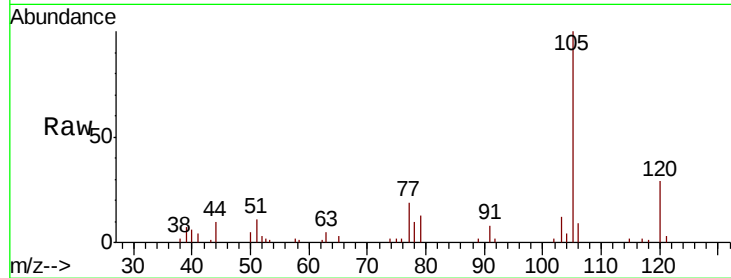
Tot Ion:105 Resp: 13671

Ion Ratio Lower Upper

105 100

120 28.5 20.4 30.6

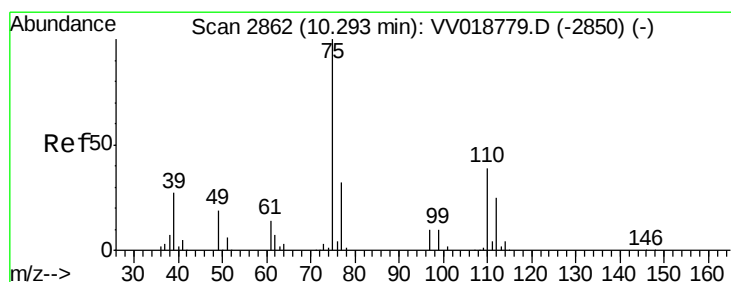
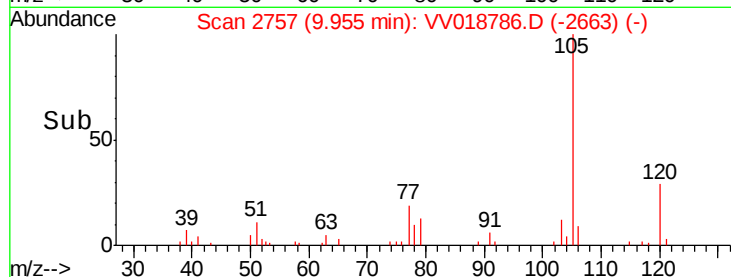
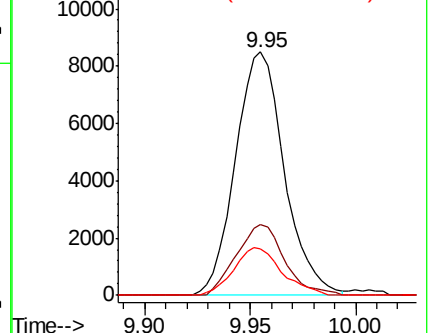
77 19.3 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#59

1,2,3-Trichloropropane

Concen: 6.585 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018786.D

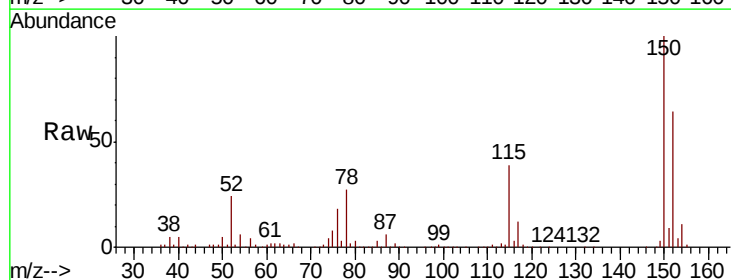
Acq: 09 Oct 2020 01:49

Tgt Ion: 75 Resp: 21305

Ion Ratio Lower Upper

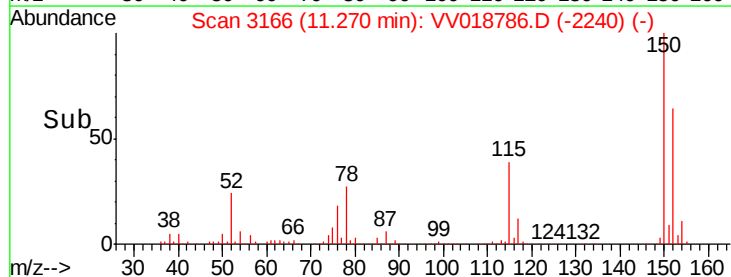
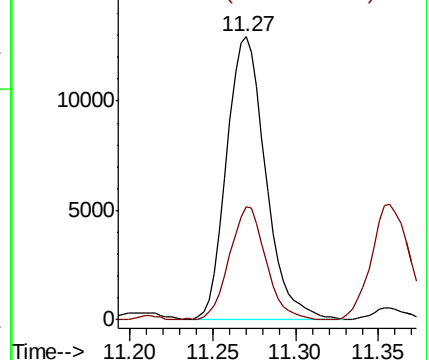
75 100

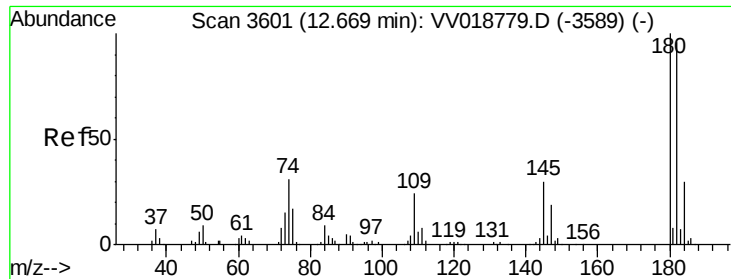
77 37.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

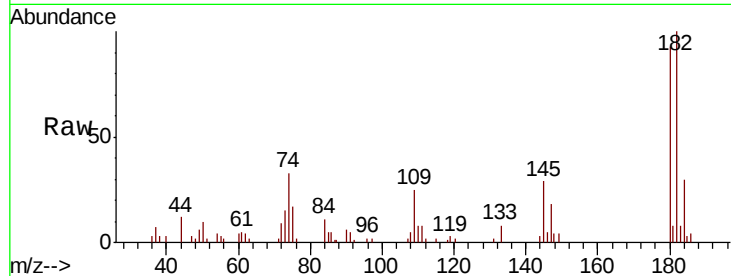




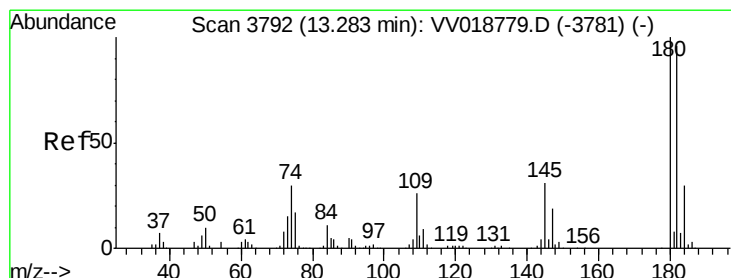
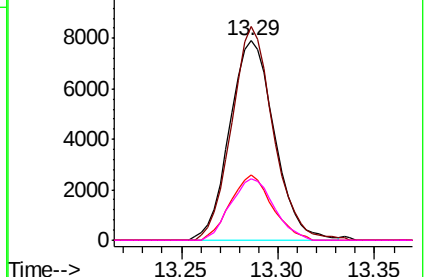
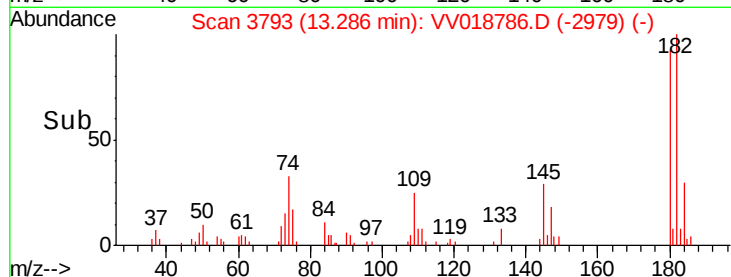
#67
 1,3,5-Trichlorobenzene
 Concen: 3.626 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV018786.D
 Acq: 09 Oct 2020 01:49

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Q4DL

Tot Ion:180 Resp: 12768
 Ion Ratio Lower Upper
 180 100
 182 99.3 77.0 115.6
 184 30.4 24.6 37.0
 145 29.8 23.4 35.0

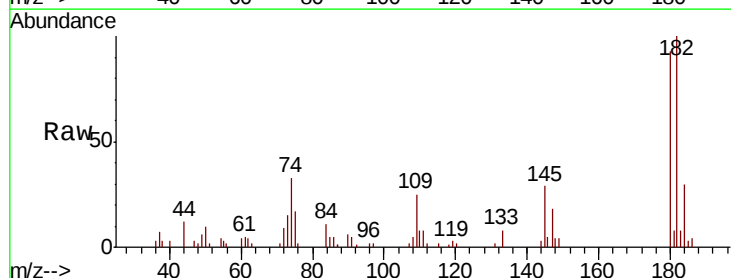


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

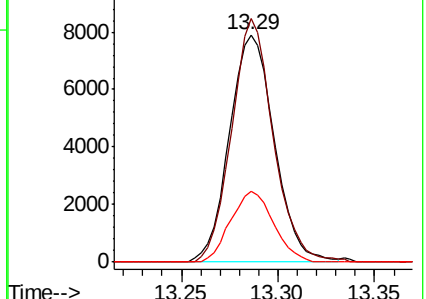
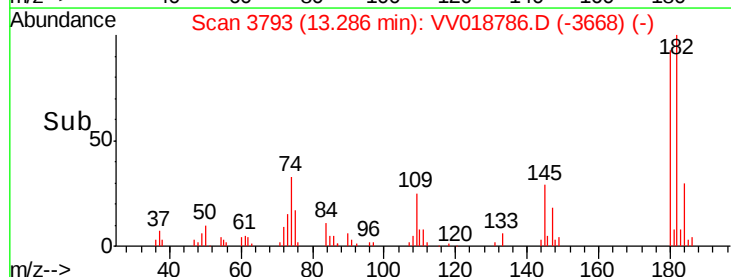


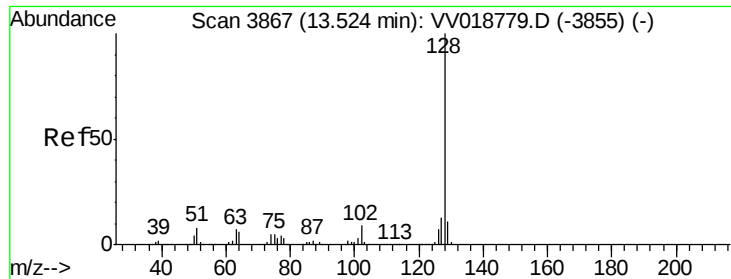
#68
 1,2,4-trichlorobenzene
 Concen: 3.856 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018786.D
 Acq: 09 Oct 2020 01:49

Tgt Ion:180 Resp: 12768
 Ion Ratio Lower Upper
 180 100
 182 99.3 76.7 115.1
 145 29.8 24.0 36.0



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: 2.195 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

Instrument :

MSVOA_V

ClientSampleId :

BG3Q4DL

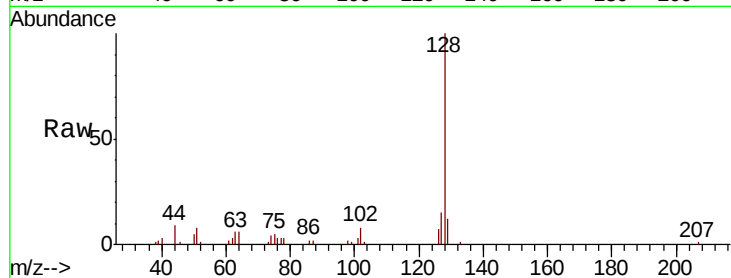
Tot Ion:128 Resp: 20480

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

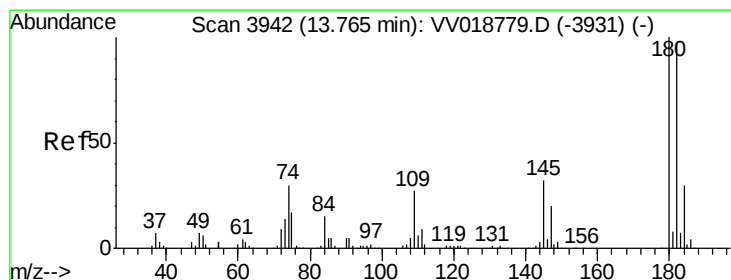
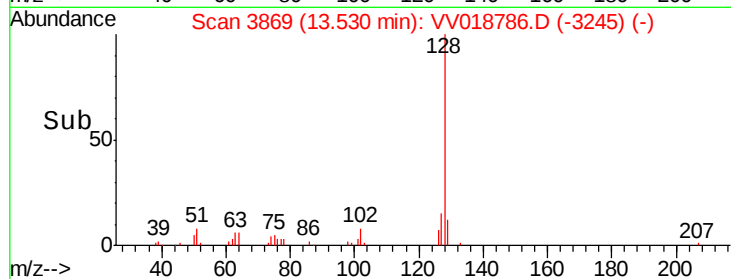
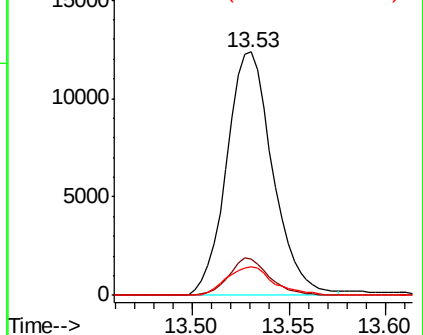
129 12.0 8.6 13.0



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: 1.900 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV018786.D

Acq: 09 Oct 2020 01:49

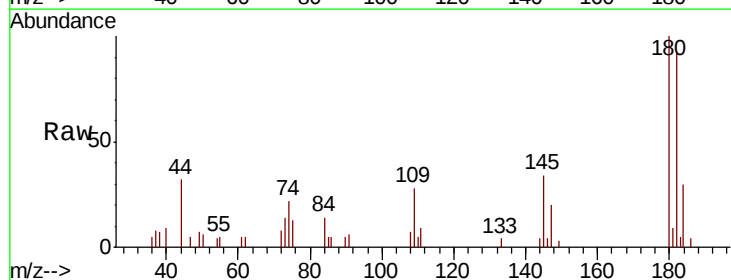
Tgt Ion:180 Resp: 6246

Ion Ratio Lower Upper

180 100

182 90.7 75.9 113.9

145 31.3 25.2 37.8



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

