

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018784.D
 Acq On : 09 Oct 2020 01:02
 Operator : SY/MD
 Sample : L4239-10DL 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P5DL

Quant Time: Oct 09 07:33:14 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	325442	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	301140	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167157	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	138176	46.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.46%
7) Chloroethane-d5	1.58	69	112622	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.64%
11) 1,1-Dichloroethene-d2	2.12	63	206565	36.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.46%
21) 2-Butanone-d5	3.90	46	185366	102.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.09%
24) Chloroform-d	4.37	84	236872	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.06	65	170948	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.68%
32) Benzene-d6	5.07	84	477510	49.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.54%
36) 1,2-Dichloropropane-d6	6.09	67	160615	50.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.66%
41) Toluene-d8	7.34	98	417729	48.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.12%
43) trans-1,3-Dichloropropene-	7.64	79	73562	47.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.24%
47) 2-Hexanone-d5	8.11	63	108222	97.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.71%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	171698	47.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.46%
64) 1,2-Dichlorobenzene-d4	11.65	152	182924	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1780	0.761 ug/L #	25
12) 1,1-Dichloroethene	2.13	96	2337	1.038 ug/L #	1
20) cis-1,2-Dichloroethene	3.94	96	22567	8.981 ug/L	100
29) Cyclohexane	4.70	56	17058	4.677 ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	66310	16.521 ug/L	100
34) Trichloroethene	5.95	95	4933	1.794 ug/L	90
42) Toluene	7.41	91	655540	66.802 ug/L	98
46) Tetrachloroethene	8.00	164	2241	1.112 ug/L	93
48) 2-Hexanone	8.16	43	10692	3.971 ug/L #	73
49) Dibromochloromethane	8.00	129	2227	0.864 ug/L #	10
52) Ethylbenzene	9.04	91	47905	4.299 ug/L	100
53) m,p-Xylene	9.16	106	78992	19.311 ug/L	100
54) o-xylene	9.57	106	31502	8.109 ug/L	92
56) Isopropylbenzene	9.96	105	31934	2.971 ug/L	99
59) 1,2,3-Trichloropropane	11.27	75	21224	6.797 ug/L	91
67) 1,3,5-Trichlorobenzene	13.29	180	10968	3.107 ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	10968	3.304 ug/L	98

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ClientSampleId :
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Quant Time: Oct 09 07:33:14 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

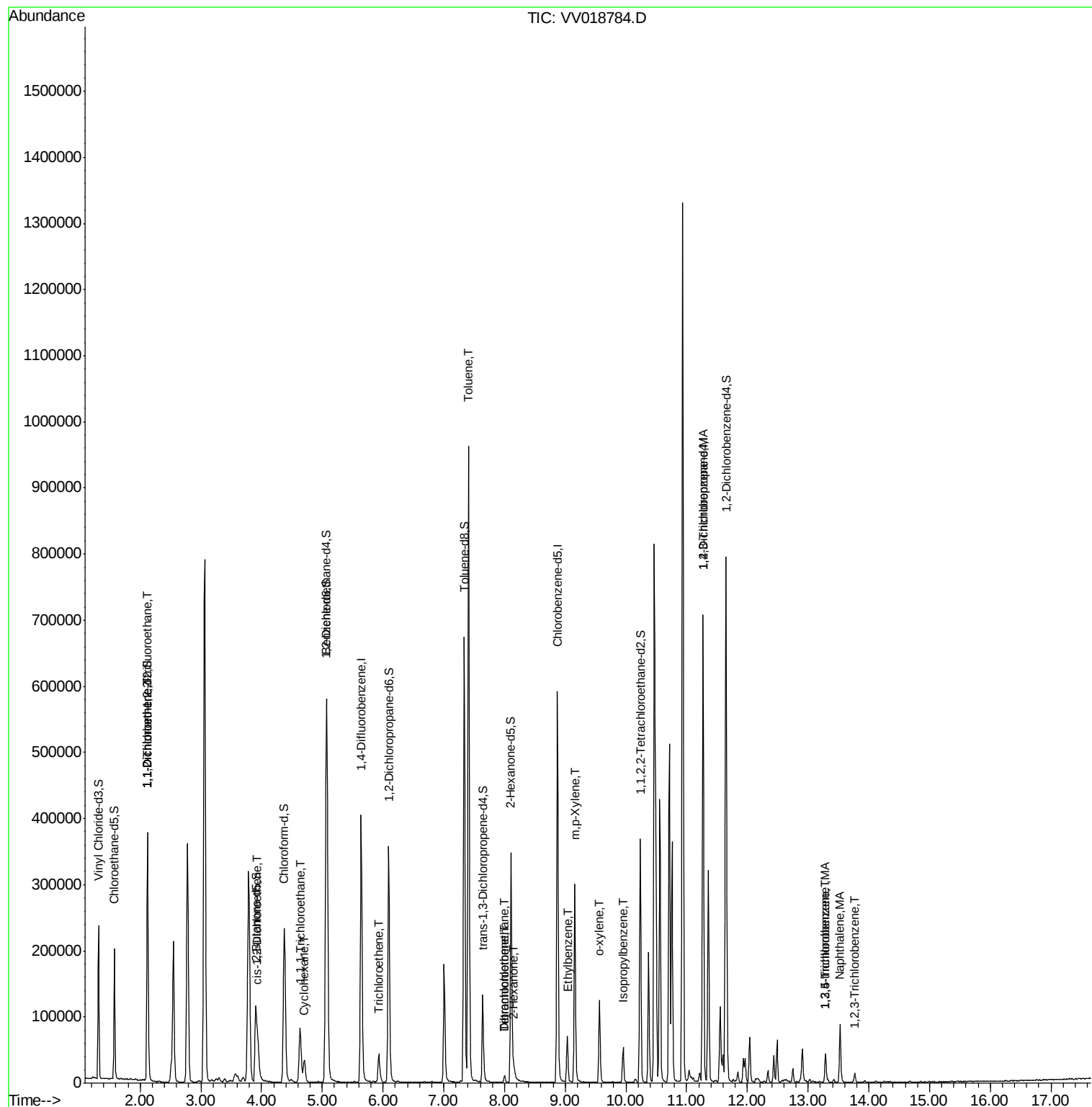
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.53	128	69063	7.385	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	4114	1.249	ug/L	93

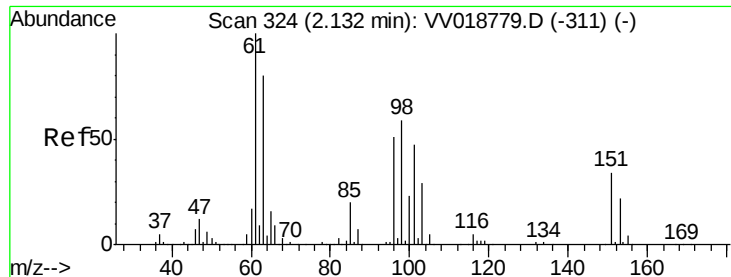
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.761 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018784.D

Acq: 09 Oct 2020 01:02

Instrument :

MSVOA_V

ClientSampleId :

BG3P5DL

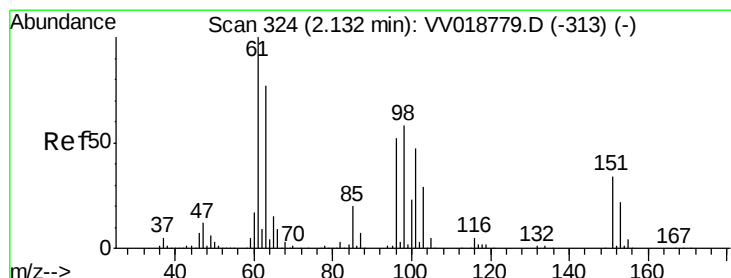
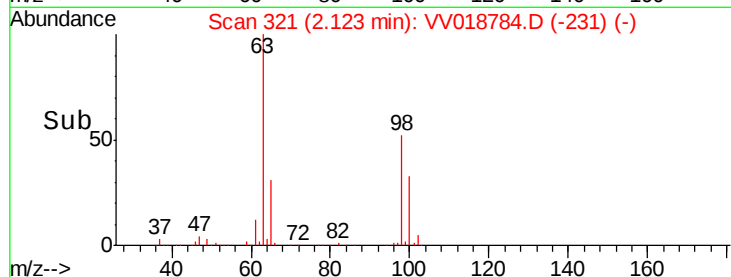
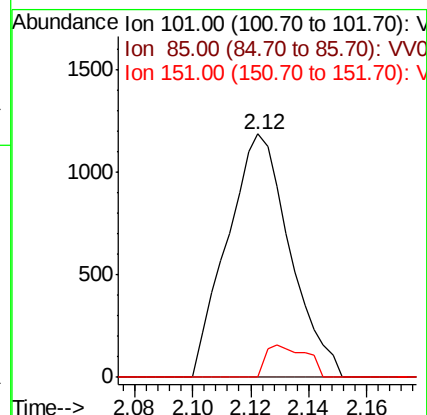
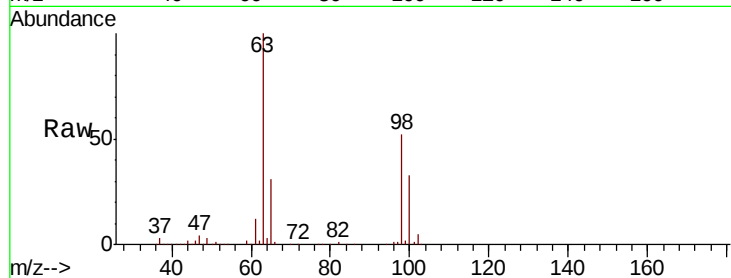
Tot Ion:101 Resp: 1780

Ion Ratio Lower Upper

101 100

85 0.0 35.9 53.9#

151 7.3 59.8 89.8#



#12

1,1-Dichloroethene

Concen: 1.038 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV018784.D

Acq: 09 Oct 2020 01:02

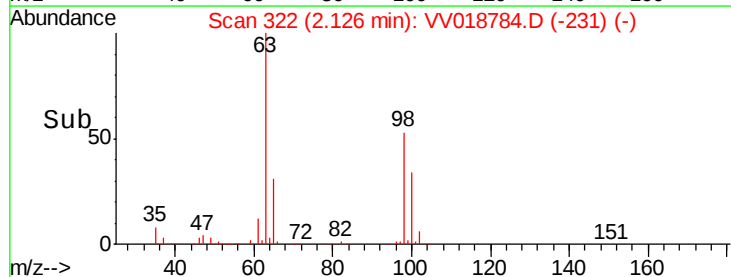
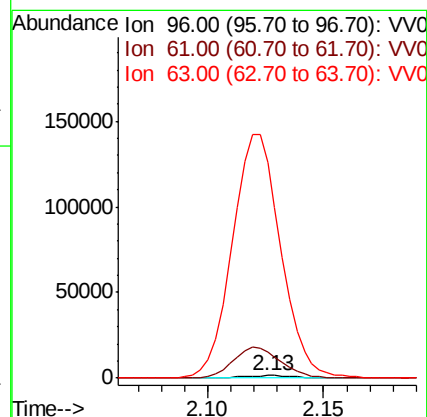
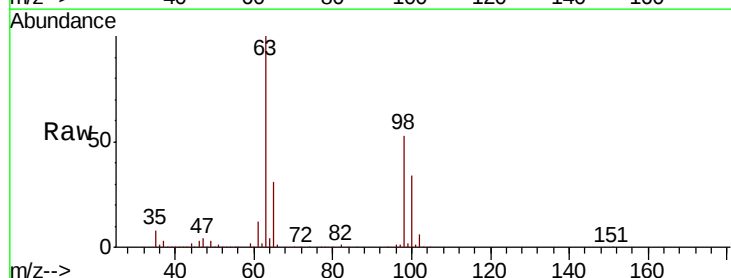
Tgt Ion: 96 Resp: 2337

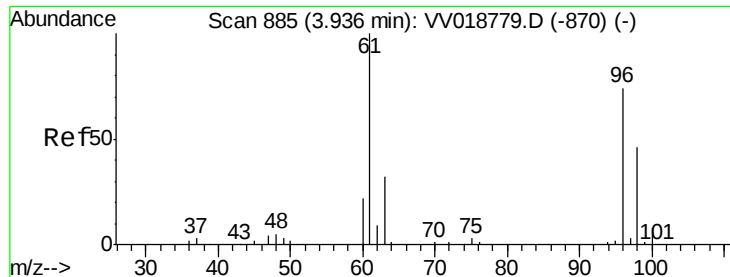
Ion Ratio Lower Upper

96 100

61 1083.2 133.6 248.0#

63 8931.9 108.4 201.4#

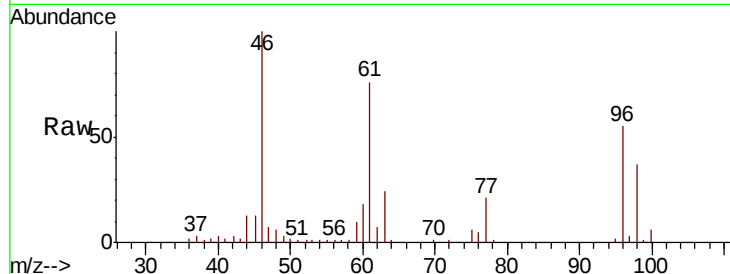




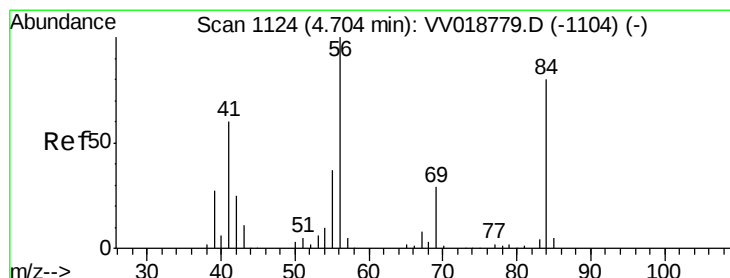
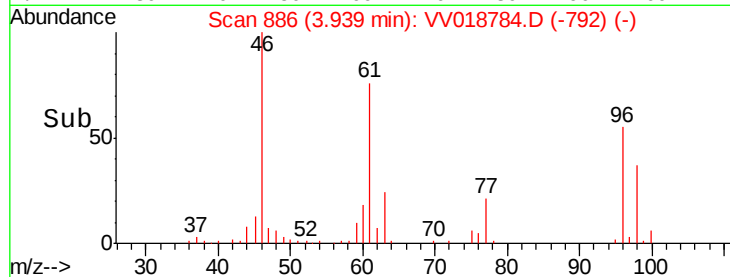
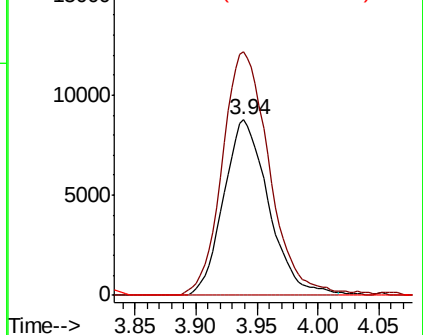
#20
 cis-1,2-Dichloroethene
 Concen: 8.981 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018784.D
 Acq: 09 Oct 2020 01:02

Instrument :
 MSVOA_V
 ClientSampled :
 BG3P5DL

Tot Ion: 96 Resp: 22567
 Ion Ratio Lower Upper
 96 100
 61 138.9 97.3 180.7
 68 0.0 0.0 0.0

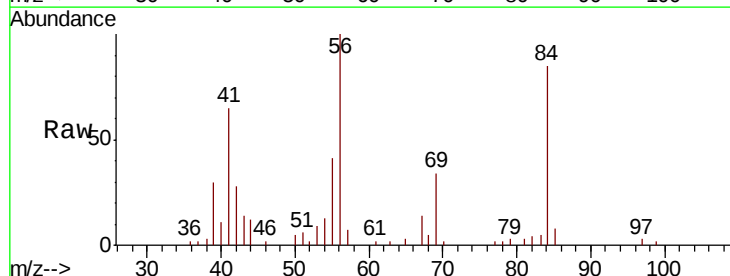


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

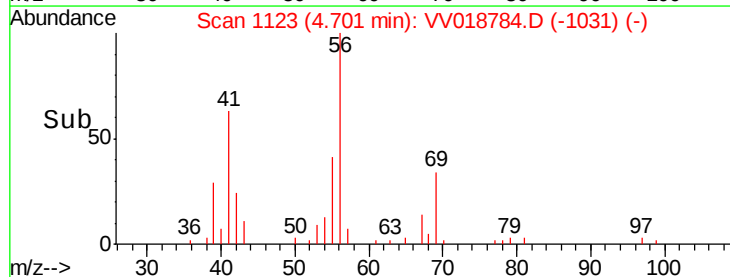
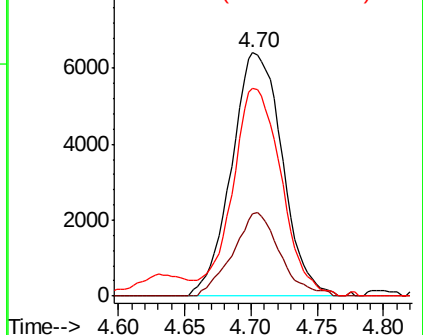


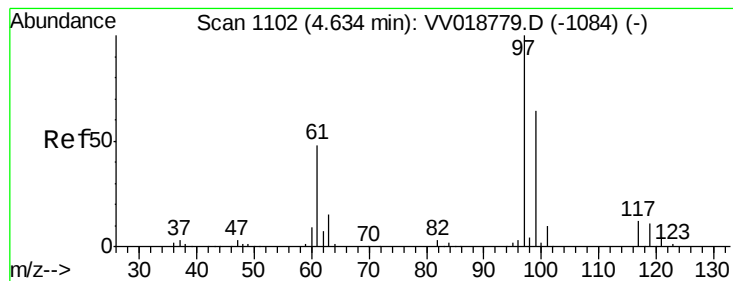
#29
 Cyclohexane
 Concen: 4.677 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV018784.D
 Acq: 09 Oct 2020 01:02

Tgt Ion: 56 Resp: 17058
 Ion Ratio Lower Upper
 56 100
 69 31.9 23.1 34.7
 84 82.3 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VV0
 Ion 69.00 (68.70 to 69.70): VV0
 Ion 84.00 (83.70 to 84.70): VV0





#30

1,1,1-Trichloroethane

Concen: 16.521 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018784.D

Acq: 09 Oct 2020 01:02

Instrument :

MSVOA_V

ClientSampleId :

BG3P5DL

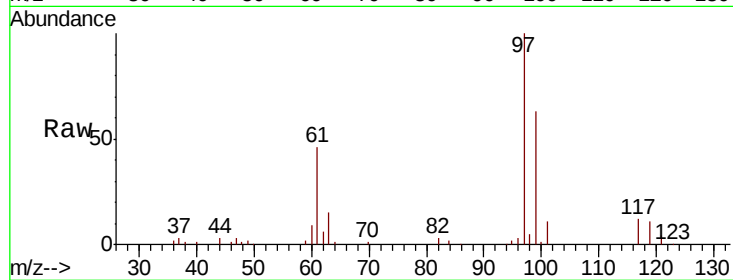
Tot Ion: 97 Resp: 66310

Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.4

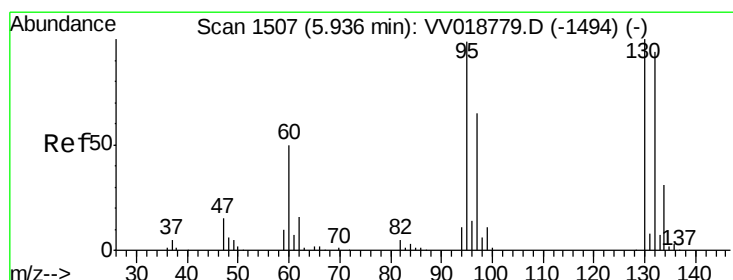
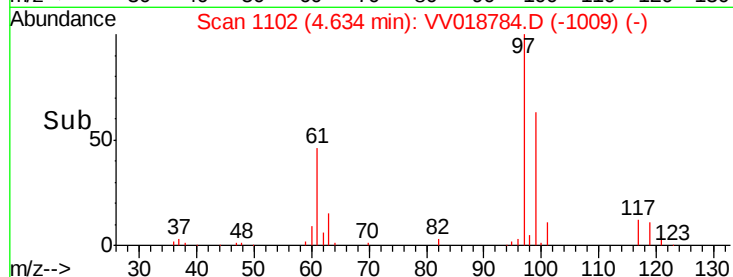
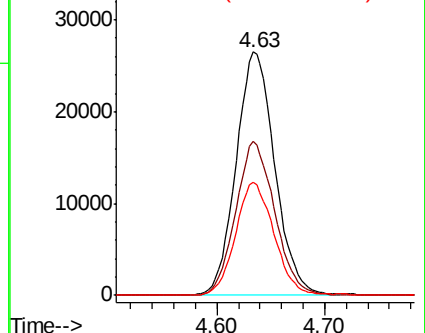
61 46.1 37.0 55.4



Abundance Ion 97.00 (96.70 to 97.70): VV018779.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV018779.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV018779.D (-1084) (-)



#34

Trichloroethene

Concen: 1.794 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV018784.D

Acq: 09 Oct 2020 01:02

Tgt Ion: 95 Resp: 4933

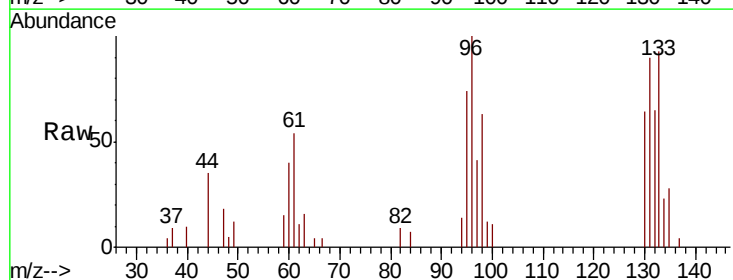
Ion Ratio Lower Upper

95 100

97 56.2 45.1 83.9

132 88.3 66.2 123.0

130 86.7 69.1 128.3

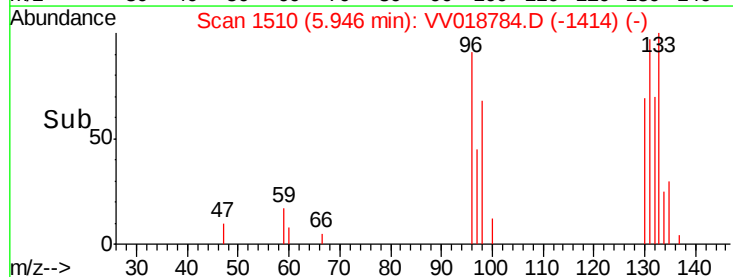
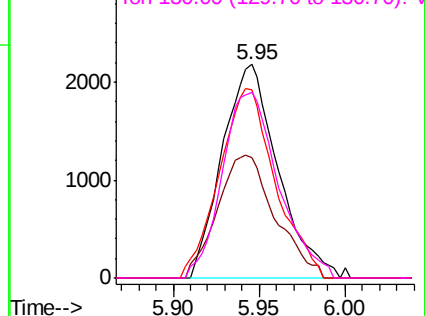


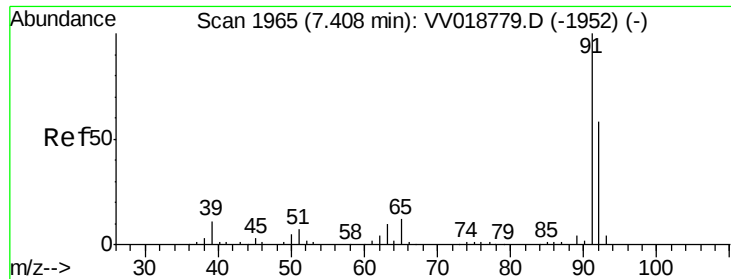
Abundance Ion 95.00 (94.70 to 95.70): VV018779.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV018779.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV018779.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV018779.D (-1494) (-)





#42

Toluene

Concen: 66.802 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018784.D

Acq: 09 Oct 2020 01:02

Instrument :

MSVOA_V

ClientSampleId :

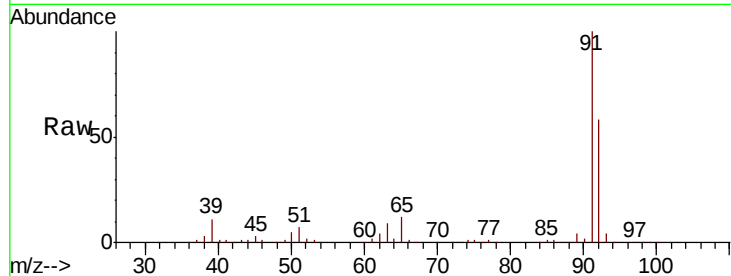
BG3P5DL

Tot Ion: 91 Resp: 65540

Ion Ratio Lower Upper

91 100

92 58.4 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV018779.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV018779.D (-1952) (-)

7.41

400000

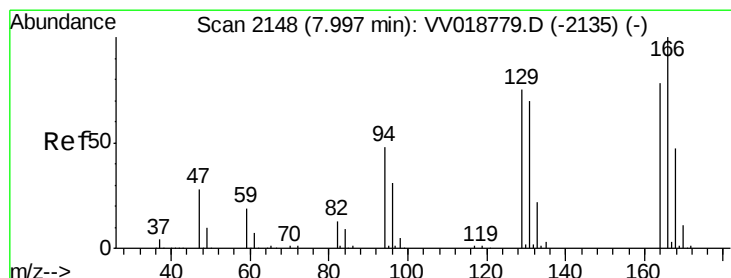
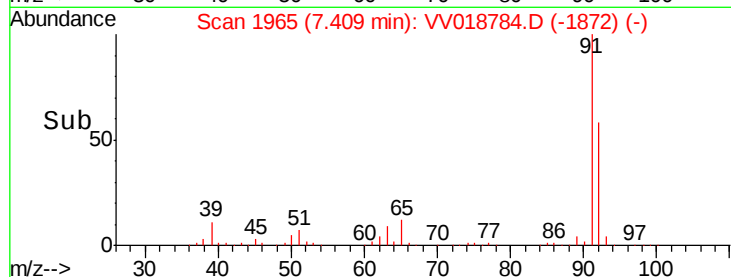
300000

200000

100000

0

Time-->



#46

Tetrachloroethene

Concen: 1.112 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018784.D

Acq: 09 Oct 2020 01:02

Tgt Ion:164 Resp: 2241

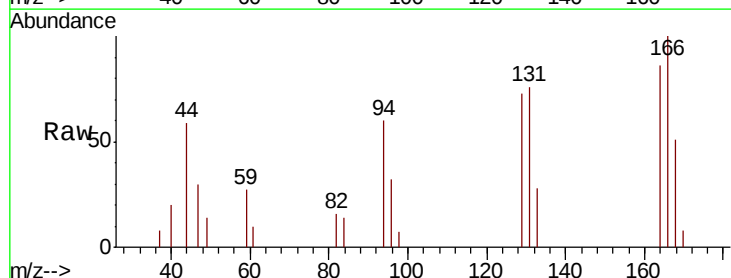
Ion Ratio Lower Upper

164 100

129 85.4 64.6 120.0

131 87.9 63.6 118.0

166 116.4 88.3 164.1



Abundance Ion 164.00 (163.70 to 164.70): VV018779.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV018779.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV018779.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV018779.D (-2135) (-)

8.00

2500

2000

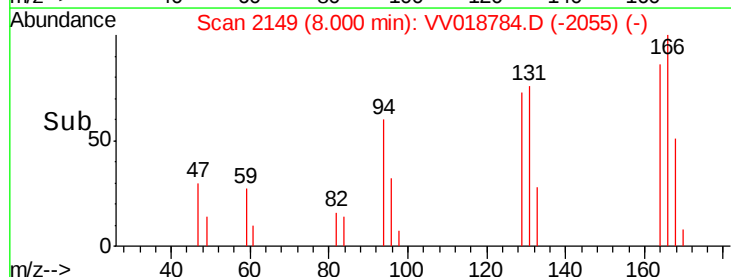
1500

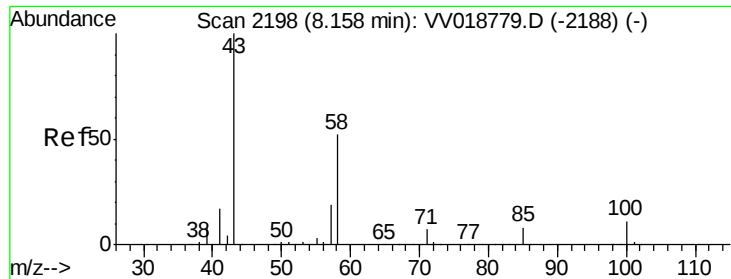
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500

0

Time-->

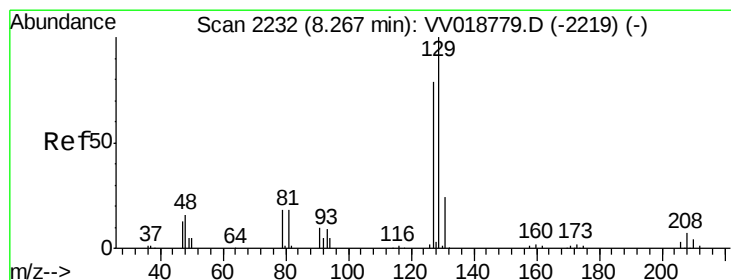
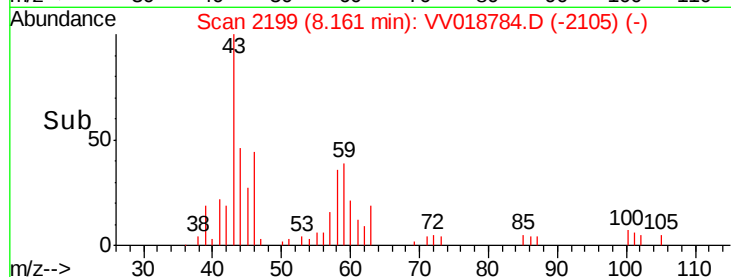
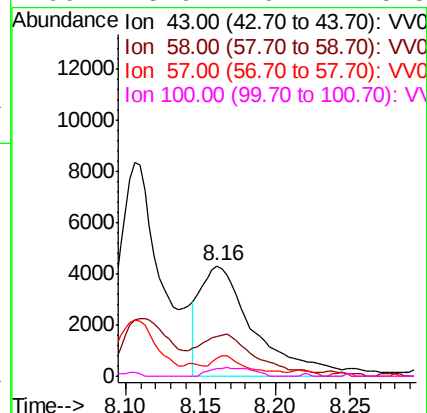
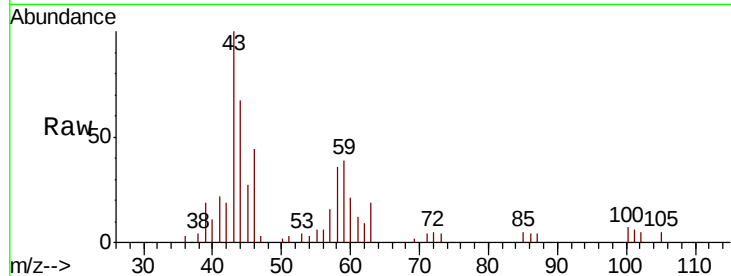




#48
2-Hexanone
Concen: 3.971 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018784.D
Acq: 09 Oct 2020 01:02

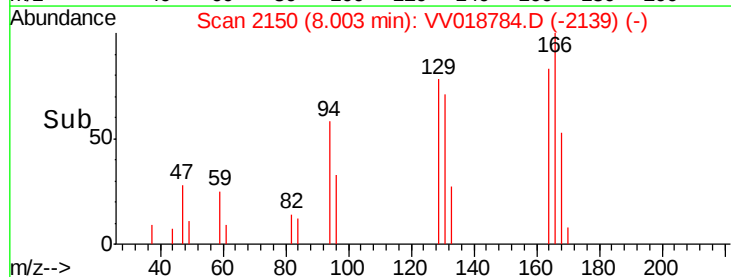
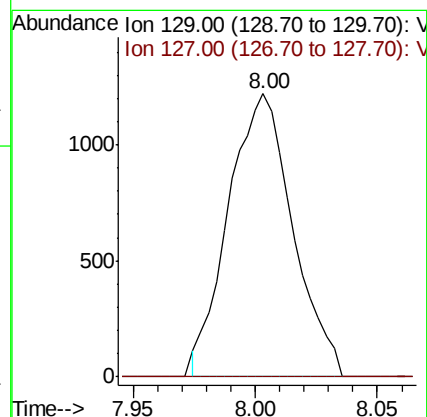
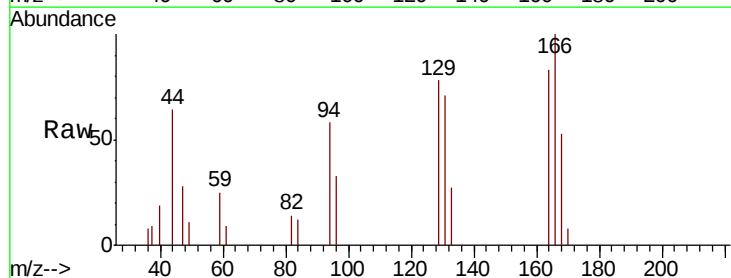
Instrument :
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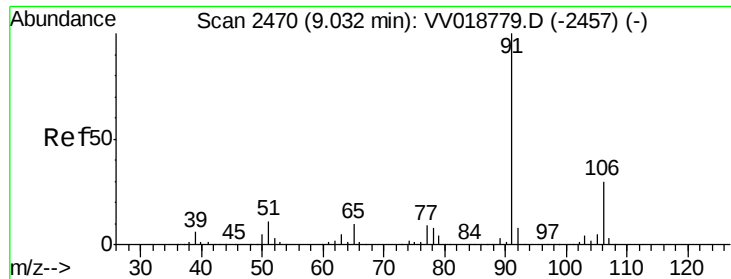
Tot Ion: 43 Resp: 10692
Ion Ratio Lower Upper
43 100
58 28.8 41.8 62.8#
57 13.0 14.9 22.3#
100 3.9 9.2 13.8#



#49
Dibromochloromethane
Concen: 0.864 ug/L
RT: 8.00 min Scan# 2150
Delta R.T. -0.26 min
Lab File: VV018784.D
Acq: 09 Oct 2020 01:02

Tgt Ion: 129 Resp: 2227
Ion Ratio Lower Upper
129 100
127 0.0 55.3 102.7#

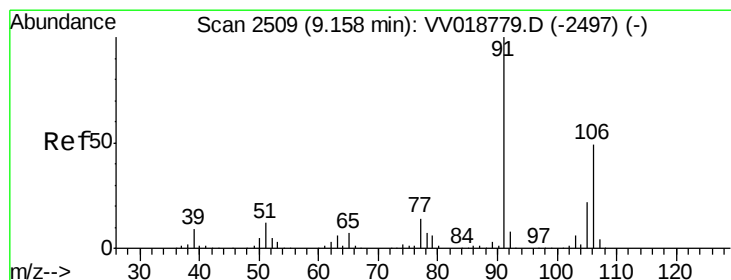
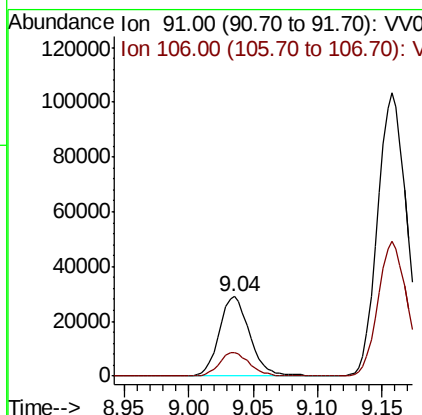
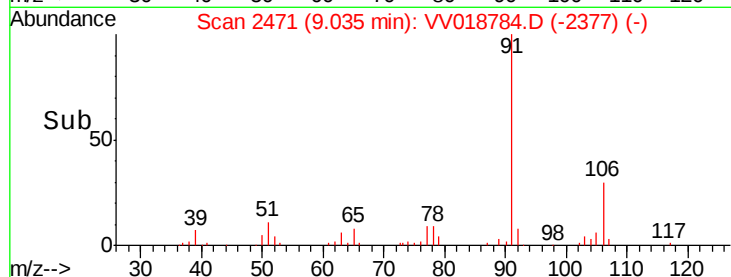
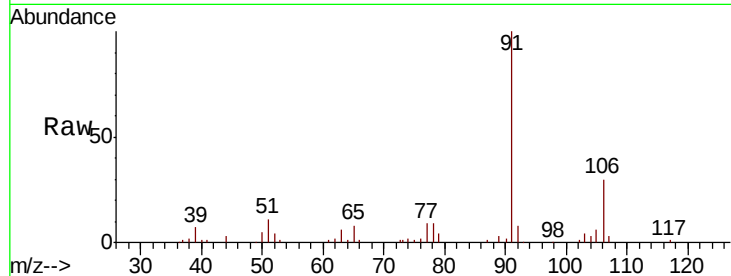




#52
Ethylbenzene
Concen: 4.299 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018784.D
Acq: 09 Oct 2020 01:02

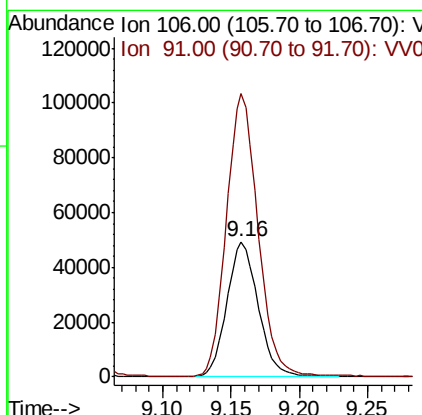
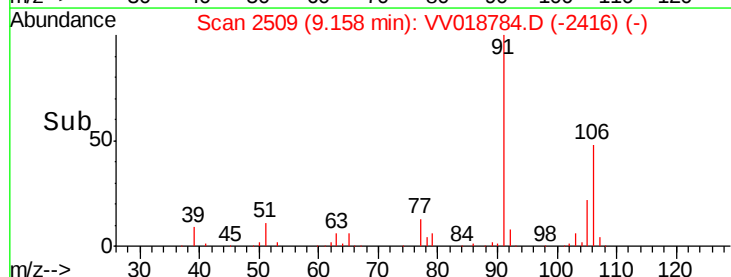
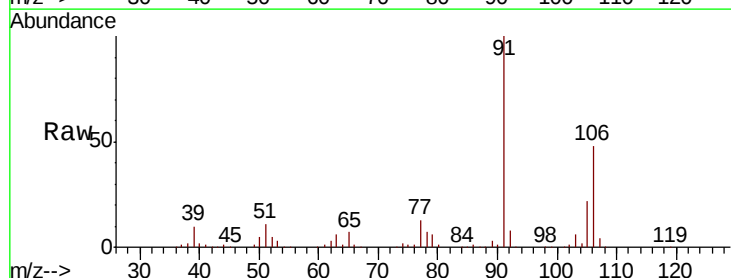
Instrument :
MSVOA_V
ClientSampleId :
BG3P5DL

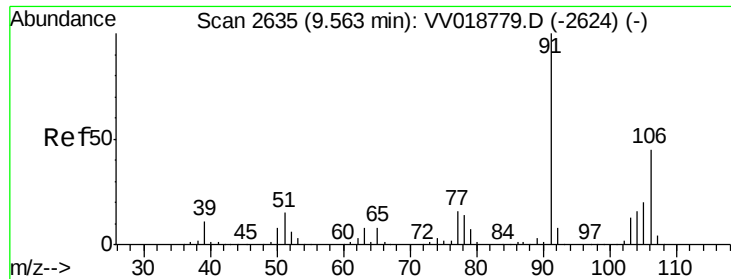
Tot Ion: 91 Resp: 47905
Ion Ratio Lower Upper
91 100
106 30.1 20.9 38.9



#53
m,p-Xylene
Concen: 19.311 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV018784.D
Acq: 09 Oct 2020 01:02

Tgt Ion: 106 Resp: 78992
Ion Ratio Lower Upper
106 100
91 209.6 147.1 273.1





#54

o-xylene

Concen: 8.109 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018784.D

Acq: 09 Oct 2020 01:02

Instrument :

MSVOA_V

ClientSampleId :

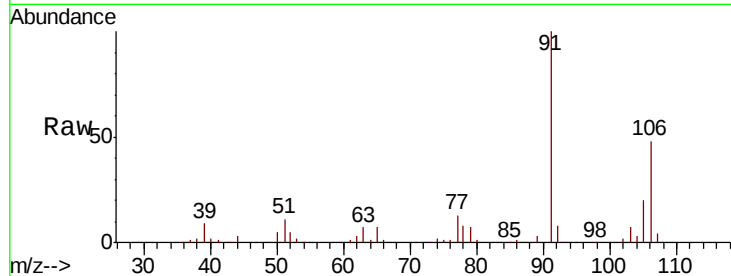
BG3P5DL

Tot Ion:106 Resp: 31502

Ion Ratio Lower Upper

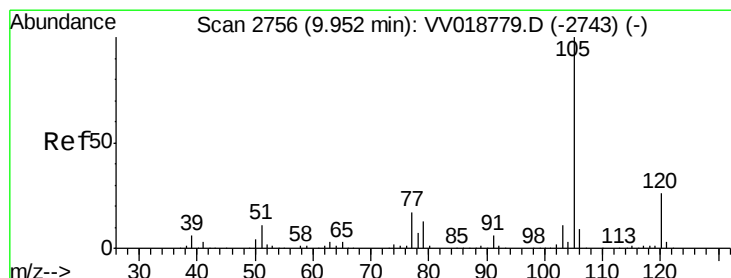
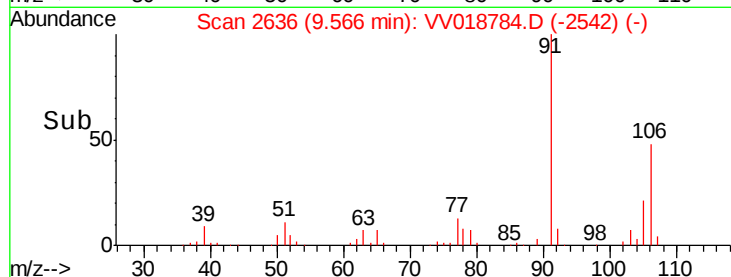
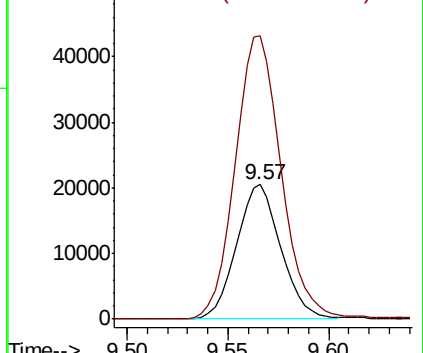
106 100

91 210.5 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Isopropylbenzene

Concen: 2.971 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018784.D

Acq: 09 Oct 2020 01:02

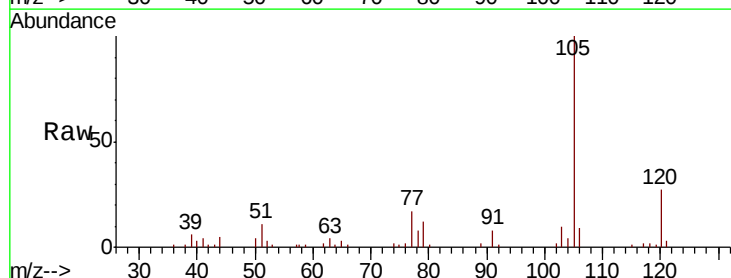
Tgt Ion:105 Resp: 31934

Ion Ratio Lower Upper

105 100

120 26.0 20.4 30.6

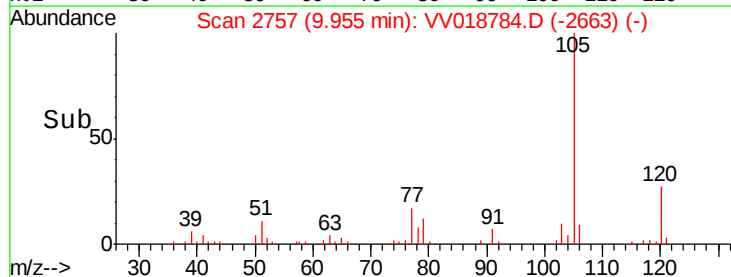
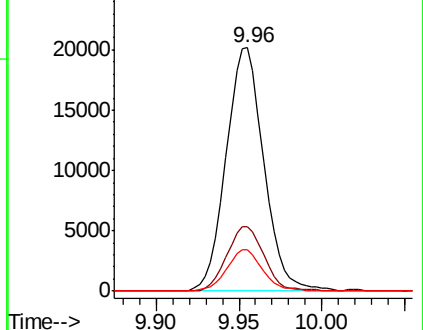
77 16.0 13.0 19.6

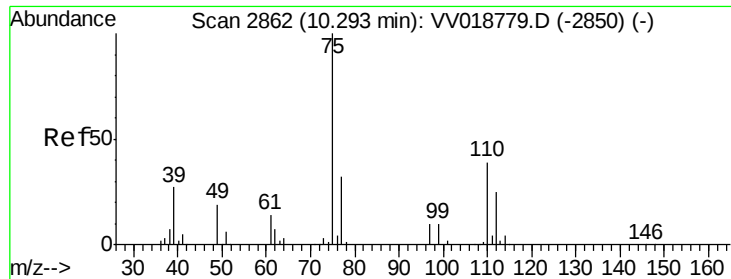


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#59

1,2,3-Trichloropropane

Concen: 6.797 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018784.D

Acq: 09 Oct 2020 01:02

Instrument :

MSVOA_V

ClientSampleId :

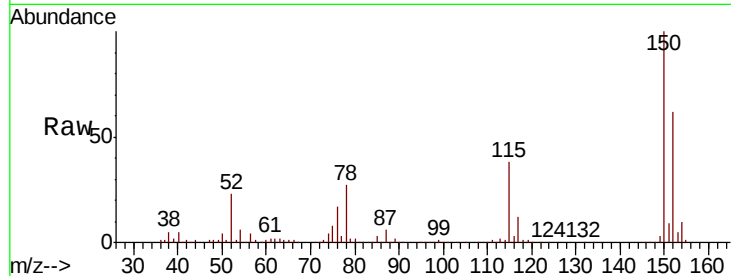
BG3P5DL

Tot Ion: 75 Resp: 21224

Ion Ratio Lower Upper

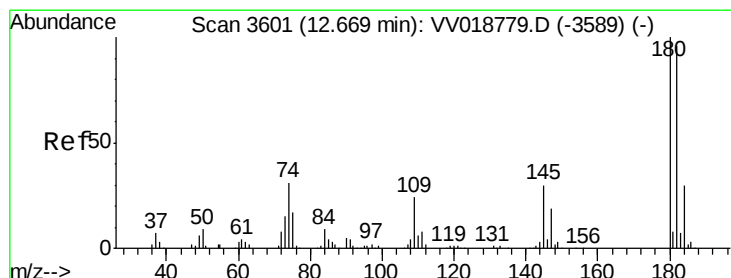
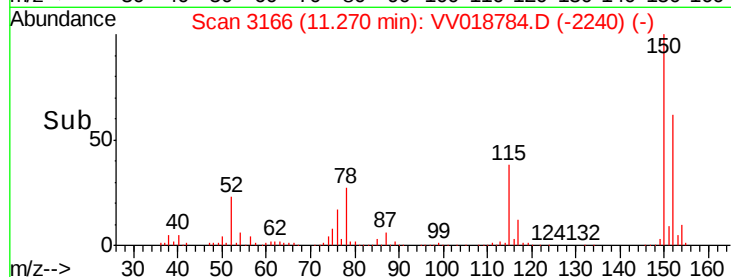
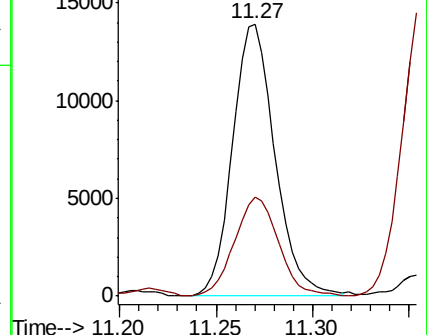
75 100

77 37.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV018779.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018779.D (-2850) (-)



#67

1,3,5-Trichlorobenzene

Concen: 3.107 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV018784.D

Acq: 09 Oct 2020 01:02

Tgt Ion: 180 Resp: 10968

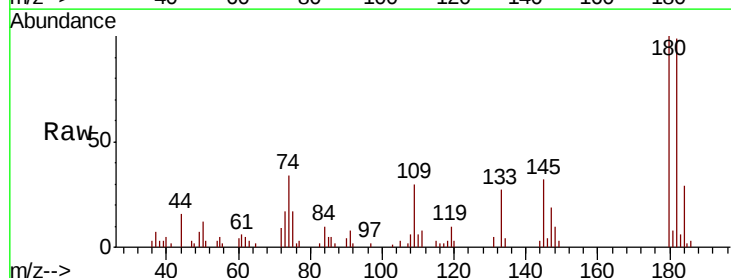
Ion Ratio Lower Upper

180 100

182 97.5 77.0 115.6

184 30.0 24.6 37.0

145 31.1 23.4 35.0

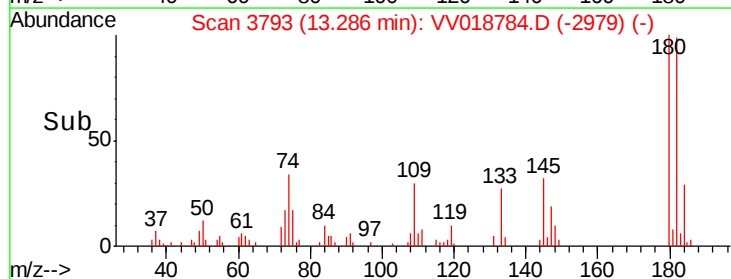
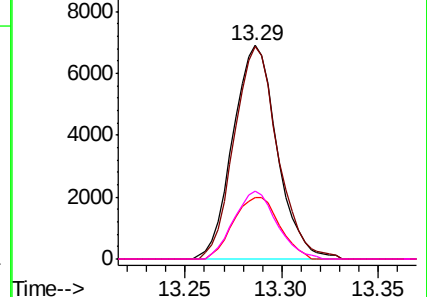


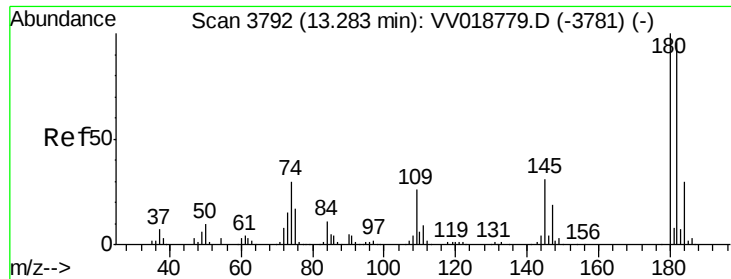
Abundance Ion 180.00 (179.70 to 180.70): VV018779.D (-3589) (-)

Ion 182.00 (181.70 to 182.70): VV018779.D (-3589) (-)

Ion 184.00 (183.70 to 184.70): VV018779.D (-3589) (-)

Ion 145.00 (144.70 to 145.70): VV018779.D (-3589) (-)





#68

1,2,4-trichlorobenzene

Concen: 3.304 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV018784.D

Acq: 09 Oct 2020 01:02

Instrument :

MSVOA_V

ClientSampleId :

BG3P5DL

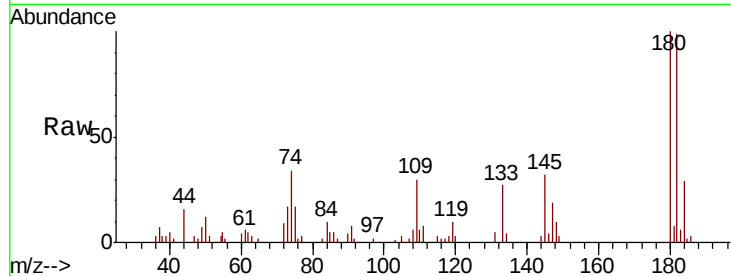
Tot Ion:180 Resp: 10968

Ion Ratio Lower Upper

180 100

182 97.5 76.7 115.1

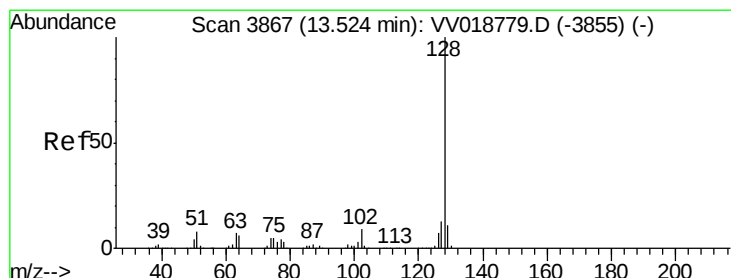
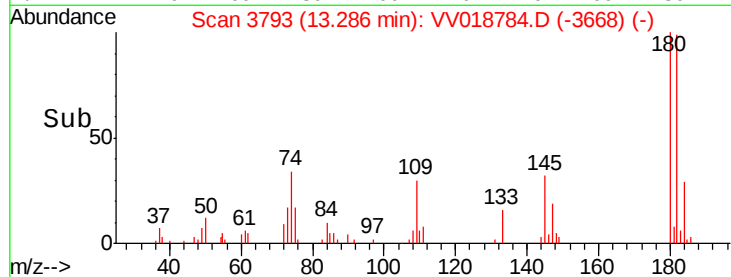
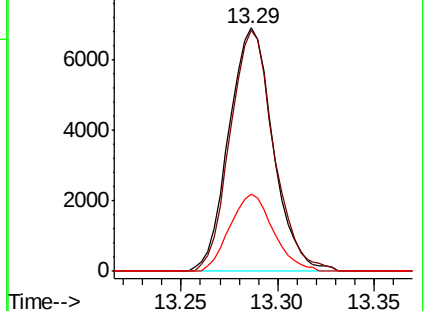
145 31.1 24.0 36.0



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: 7.385 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018784.D

Acq: 09 Oct 2020 01:02

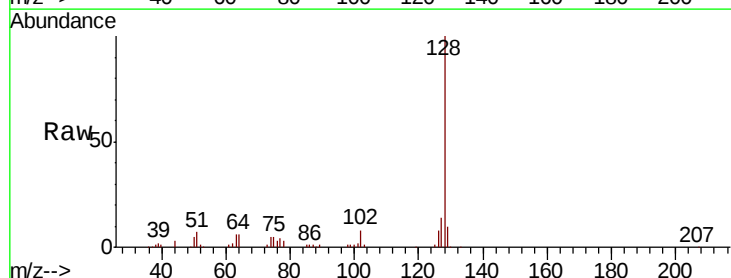
Tgt Ion:128 Resp: 69063

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

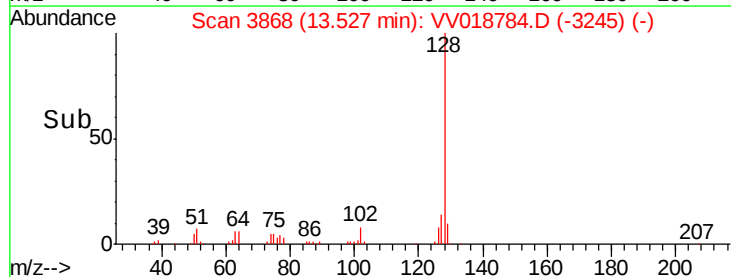
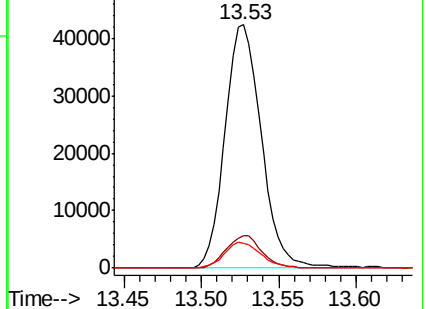
129 10.7 8.6 13.0

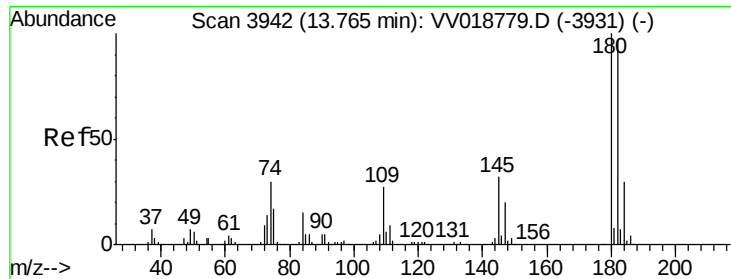


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

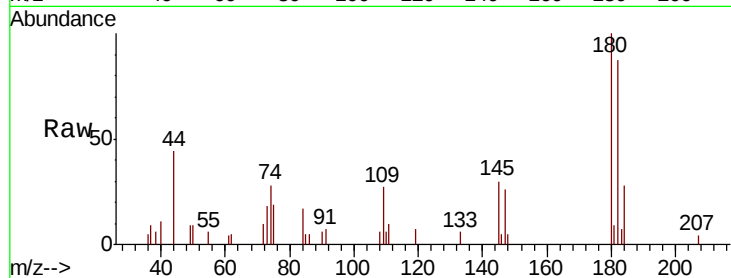




#70
 1,2,3-Trichlorobenzene
 Concen: 1.249 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV018784.D
 Acq: 09 Oct 2020 01:02

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P5DL

Tot Ion:180 Resp: 4114
 Ion Ratio Lower Upper
 180 100
 182 86.2 75.9 113.9
 145 32.2 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

