

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018797.D
 Acq On : 09 Oct 2020 06:10
 Operator : SY/MD
 Sample : L4239-14 80X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Q8

Quant Time: Oct 09 07:36:27 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	348197	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	308213	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168684	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	137088	43.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.66%
7) Chloroethane-d5	1.58	69	117297	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.12%
11) 1,1-Dichloroethene-d2	2.12	63	209526	34.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.70%
21) 2-Butanone-d5	3.90	46	190248	97.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.93%
24) Chloroform-d	4.38	84	261210	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.05	65	178608	47.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.40%
32) Benzene-d6	5.08	84	508854	51.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.09	67	170888	52.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.68%
41) Toluene-d8	7.34	98	426963	48.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.98%
43) trans-1,3-Dichloropropene-	7.64	79	71180	45.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.04%
47) 2-Hexanone-d5	8.11	63	106344	93.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.81%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	181079	48.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.34%
64) 1,2-Dichlorobenzene-d4	11.65	152	183294	49.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1877	0.750 ug/L #	21
12) 1,1-Dichloroethene	2.13	96	3302	1.370 ug/L #	1
20) cis-1,2-Dichloroethene	3.94	96	94983	35.331 ug/L	99
29) Cyclohexane	4.71	56	9742	2.610 ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	345058	84.000 ug/L	100
31) Carbon tetrachloride	4.63	117	44045	12.722 ug/L	99
37) 1,2-Dichloropropane	6.09	63	19653	7.317 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	4676	1.232 ug/L #	62
42) Toluene	7.41	91	2389503	237.912 ug/L	98
46) Tetrachloroethene	8.00	164	1490	0.722 ug/L	76
48) 2-Hexanone	8.16	43	7801	2.831 ug/L #	85
52) Ethylbenzene	9.04	91	21125	1.852 ug/L	98
53) m,p-Xylene	9.16	106	28556	6.821 ug/L	98
54) o-xylene	9.57	106	16608	4.177 ug/L	93
67) 1,3,5-Trichlorobenzene	13.29	180	2700	0.758 ug/L	93
68) 1,2,4-trichlorobenzene	13.29	180	2700	0.806 ug/L	94
69) Naphthalene	13.53	128	19431	2.059 ug/L	100

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Quant Title : VOC Analysis
QLast Update : Fri Oct 09 07:31:27 2020
Response via : Initial Calibration

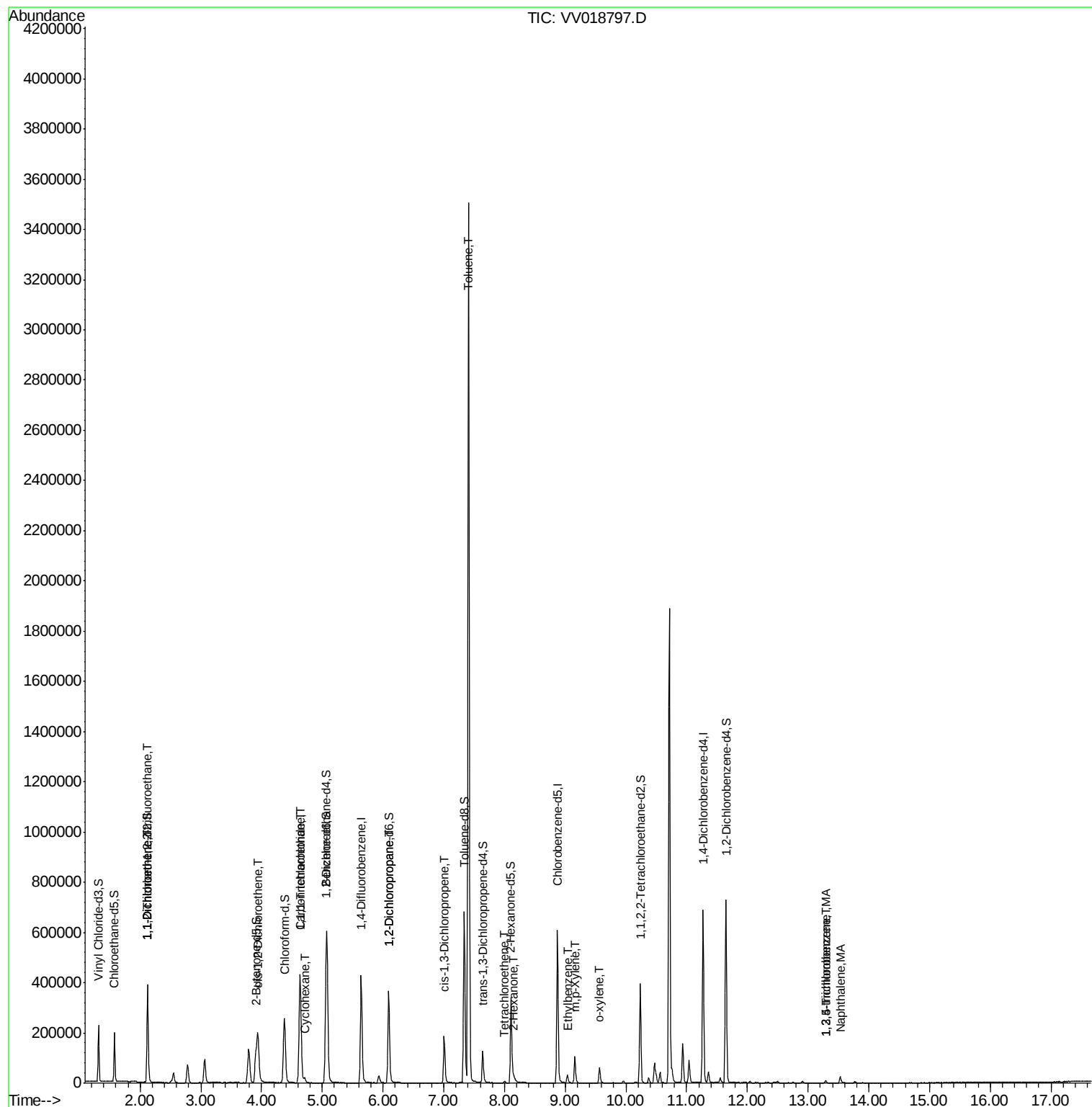
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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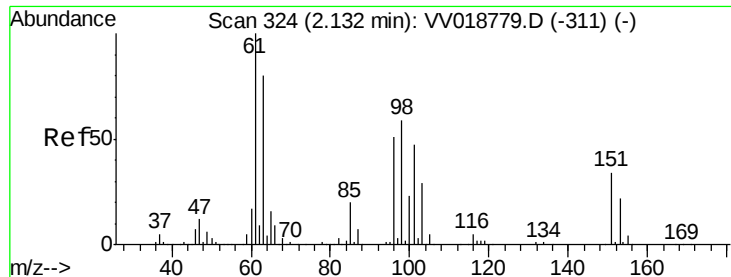
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.750 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018797.D

Acq: 09 Oct 2020 06:10

Instrument :

MSVOA_V

ClientSampleId :

BG3Q8

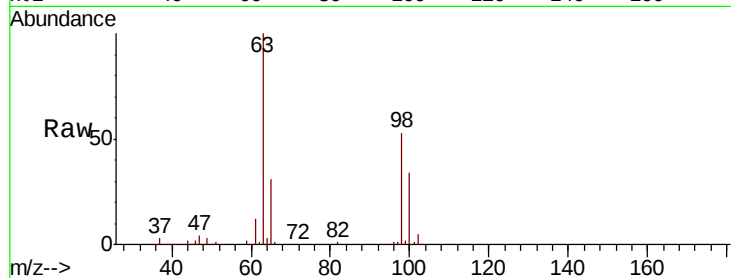
Tot Ion:101 Resp: 1877

Ion Ratio Lower Upper

101 100

85 2.3 35.9 53.9#

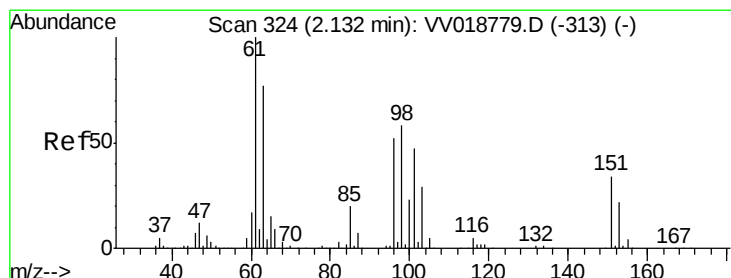
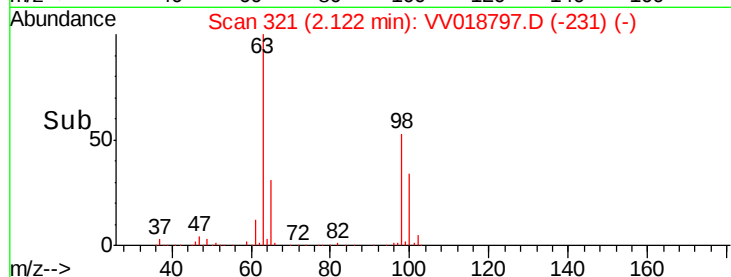
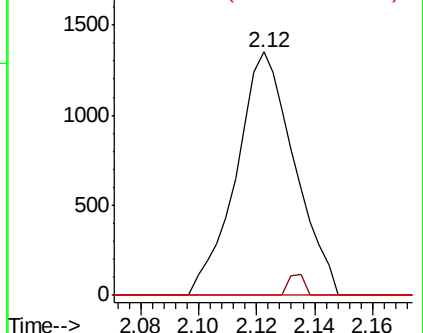
151 0.0 59.8 89.8#



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: 1.370 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018797.D

Acq: 09 Oct 2020 06:10

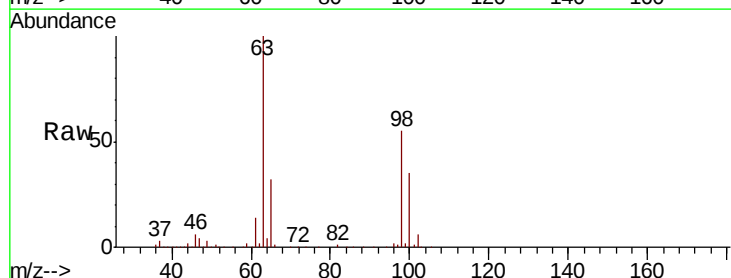
Tgt Ion: 96 Resp: 3302

Ion Ratio Lower Upper

96 100

61 853.4 133.6 248.0#

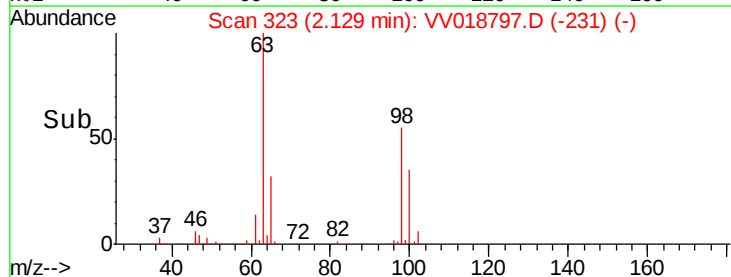
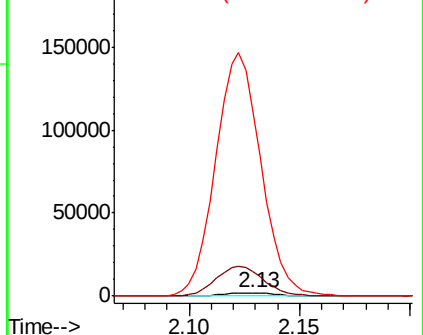
63 6302.2 108.4 201.4#

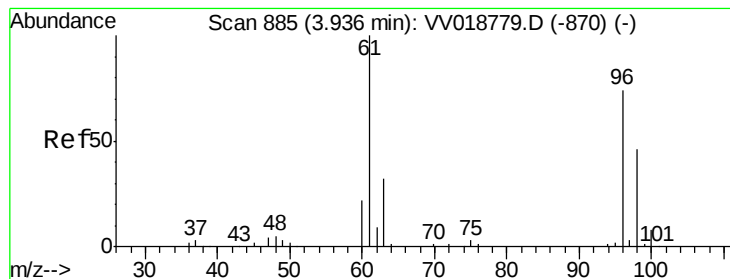


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 35.331 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018797.D

Acq: 09 Oct 2020 06:10

Instrument :

MSVOA_V

ClientSampleId :

BG3Q8

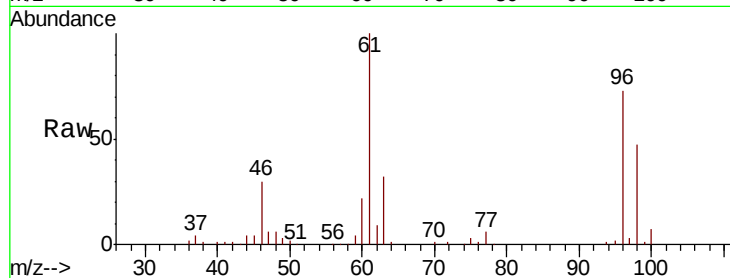
Tot Ion: 96 Resp: 94983

Ion Ratio Lower Upper

96 100

61 137.9 97.3 180.7

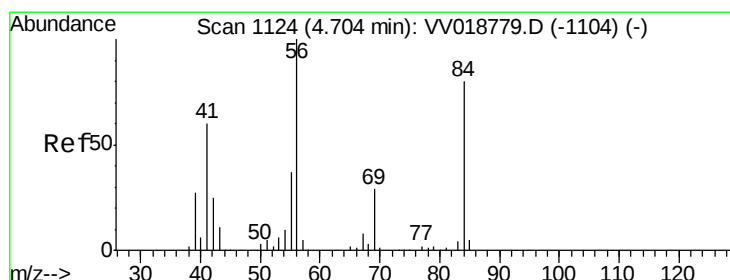
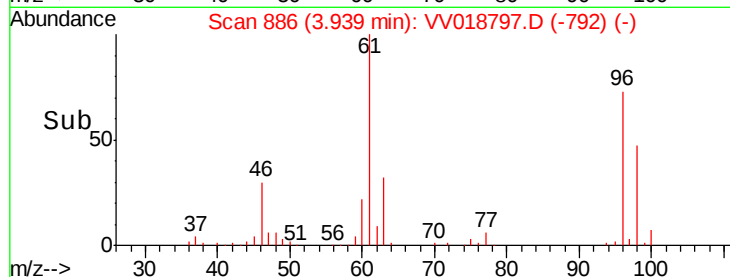
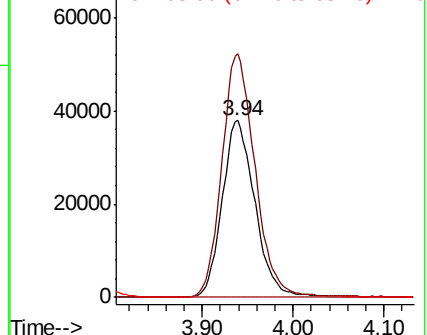
68 0.0 0.0 0.0



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: 2.610 ug/L

RT: 4.71 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VV018797.D

Acq: 09 Oct 2020 06:10

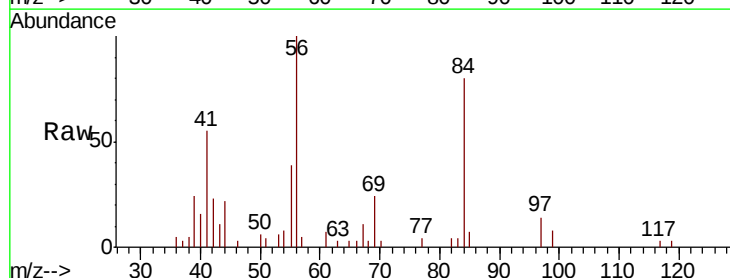
Tgt Ion: 56 Resp: 9742

Ion Ratio Lower Upper

56 100

69 28.6 23.1 34.7

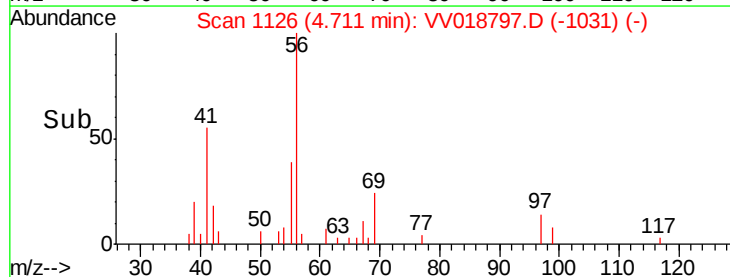
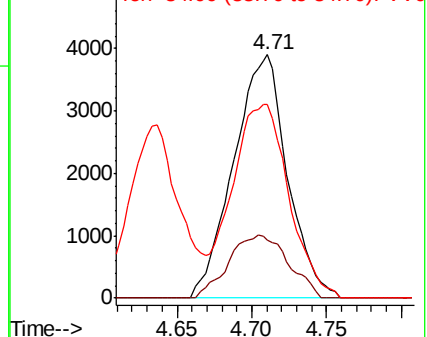
84 84.6 65.2 97.8

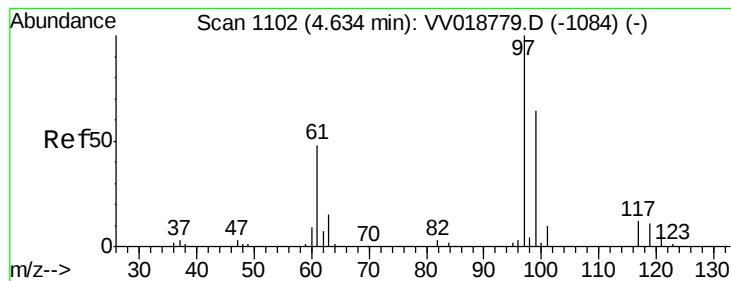


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0





#30

1,1,1-Trichloroethane

Concen: 84.000 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018797.D

Acq: 09 Oct 2020 06:10

Instrument :

MSVOA_V

ClientSampleId :

BG3Q8

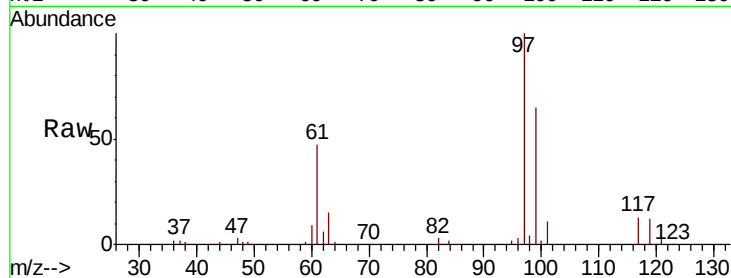
Tot Ion: 97 Resp: 345058

Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.4

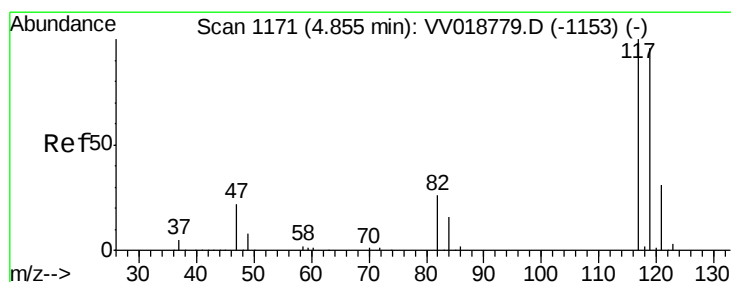
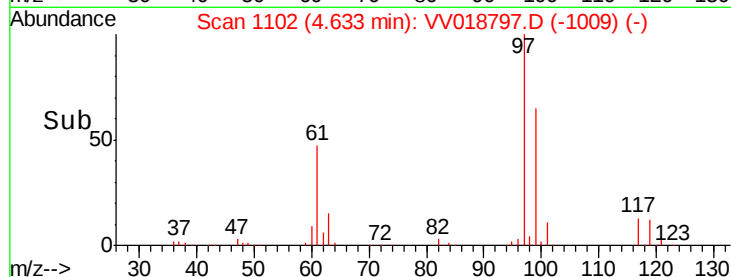
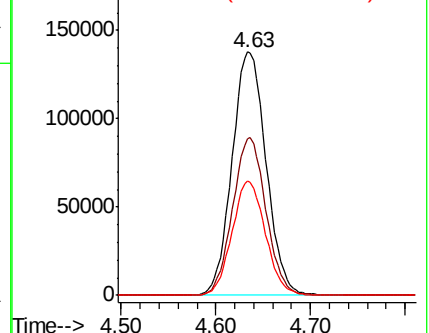
61 46.1 37.0 55.4



Abundance Ion 97.00 (96.70 to 97.70): VV018797.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV018797.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV018797.D (-1084) (-)



#31

Carbon tetrachloride

Concen: 12.722 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.22 min

Lab File: VV018797.D

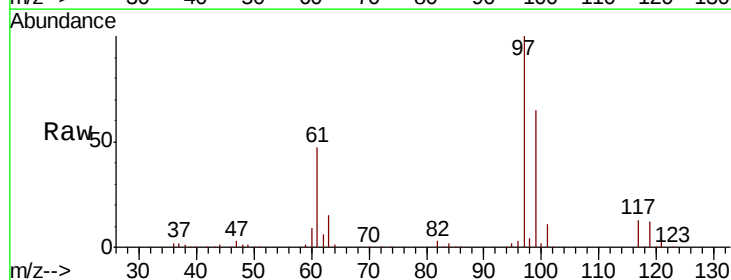
Acq: 09 Oct 2020 06:10

Tgt Ion: 117 Resp: 44045

Ion Ratio Lower Upper

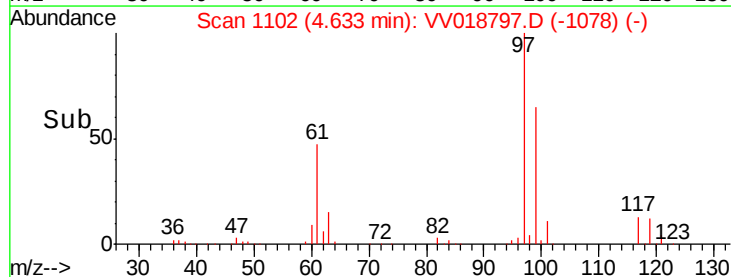
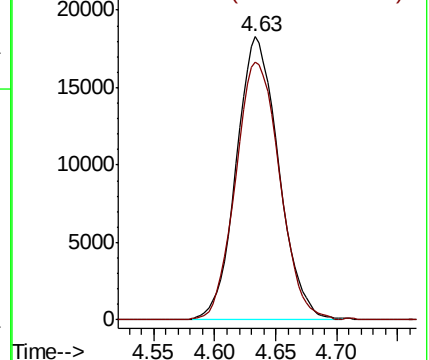
117 100

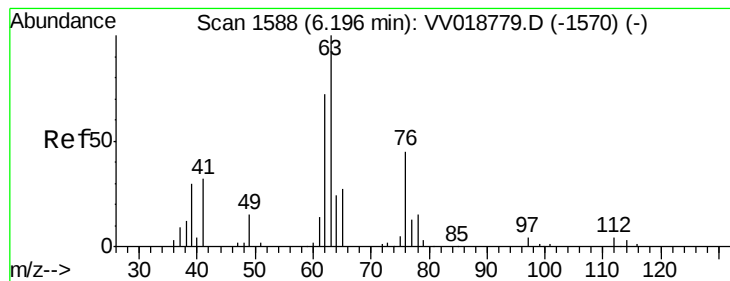
119 94.7 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): VV018797.D (-1078) (-)

Ion 119.00 (118.70 to 119.70): VV018797.D (-1078) (-)





#37

1,2-Dichloropropane

Concen: 7.317 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV018797.D

Acq: 09 Oct 2020 06:10

Instrument :

MSVOA_V

ClientSampled :

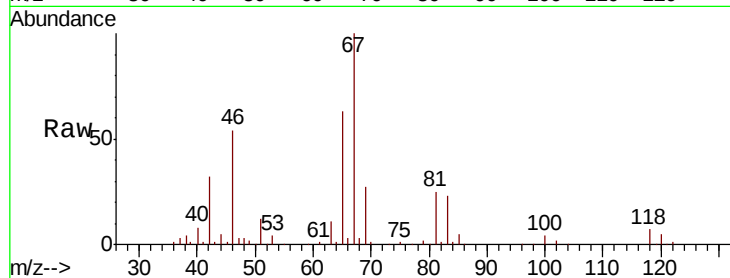
BG3Q8

Tot Ion: 63 Resp: 19653

Ion Ratio Lower Upper

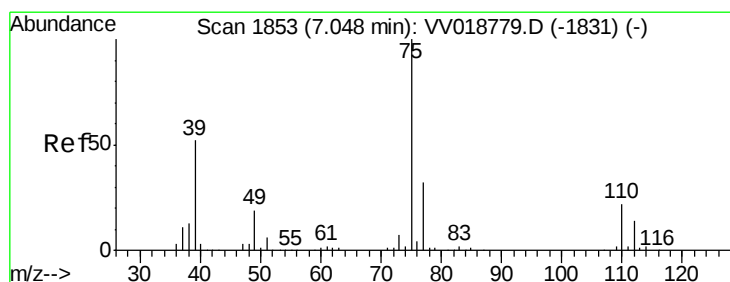
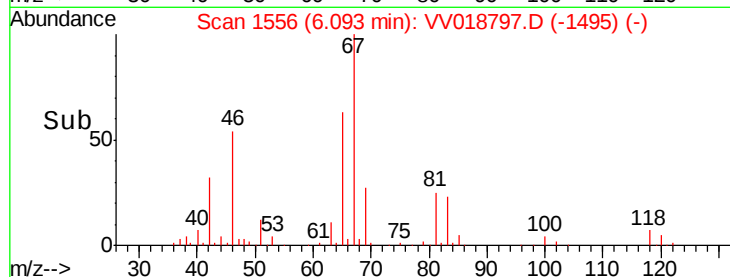
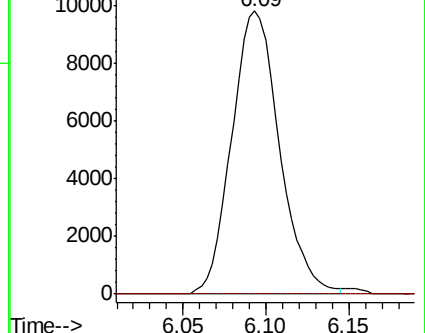
63 100

112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV018779.D (-1570) (-)

Ion 112.00 (111.70 to 112.70): VV018779.D (-1570) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.232 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018797.D

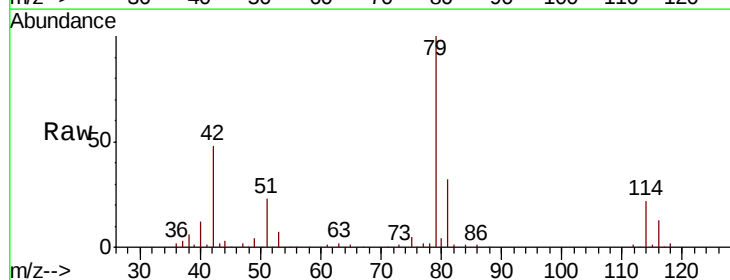
Acq: 09 Oct 2020 06:10

Tgt Ion: 75 Resp: 4676

Ion Ratio Lower Upper

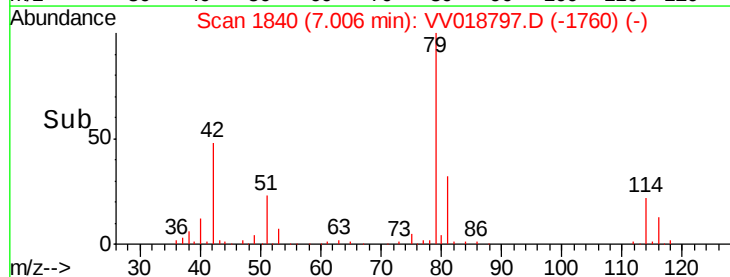
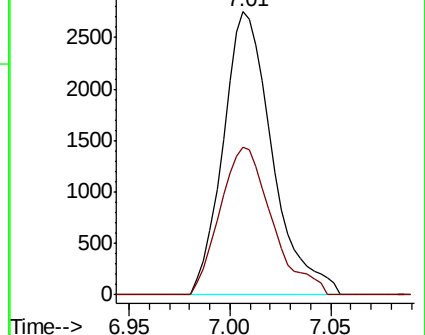
75 100

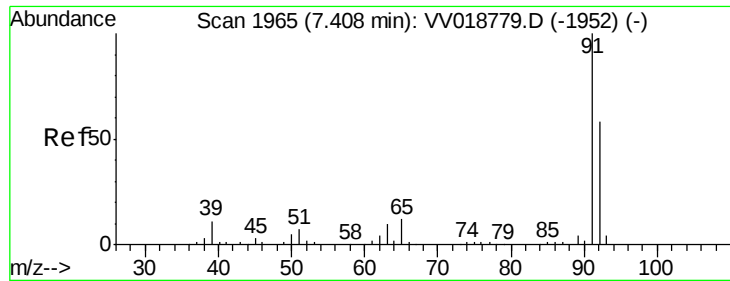
77 52.1 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV018779.D (-1831) (-)

Ion 77.00 (76.70 to 77.70): VV018779.D (-1831) (-)





#42

Toluene

Concen: 237.912 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018797.D

Acq: 09 Oct 2020 06:10

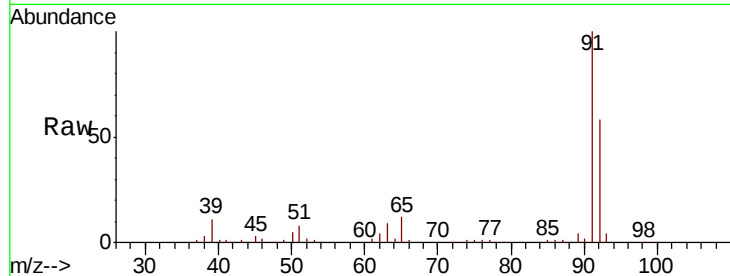
Instrument :
MSVOA_V
ClientSampleId :
BG3Q8

Tot Ion: 91 Resp: 2389503

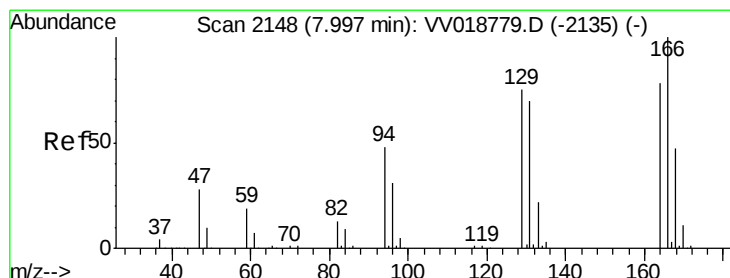
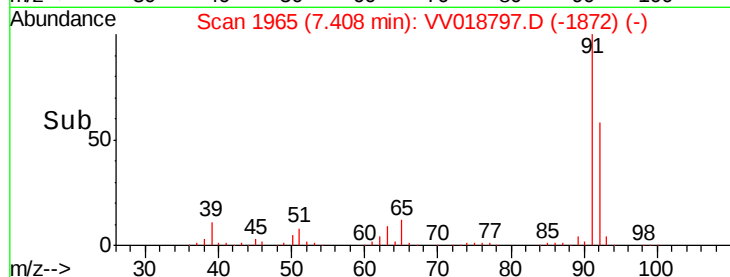
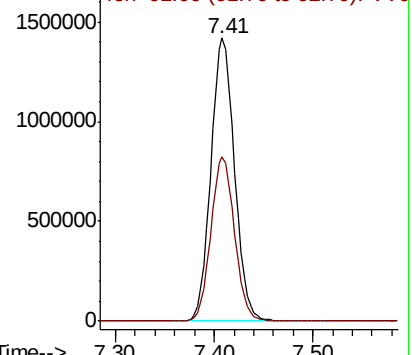
Ion Ratio Lower Upper

91 100

92 58.3 39.8 74.0



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



#46

Tetrachloroethene

Concen: 0.722 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV018797.D

Acq: 09 Oct 2020 06:10

Tgt Ion:164 Resp: 1490

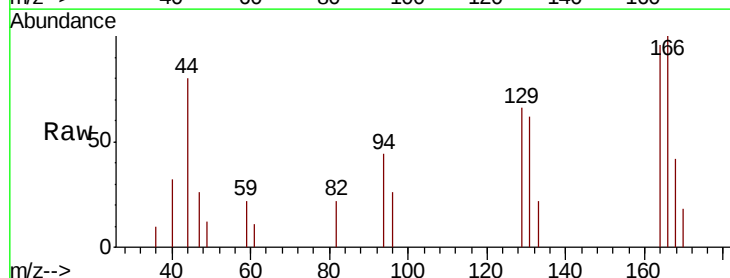
Ion Ratio Lower Upper

164 100

129 68.7 64.6 120.0

131 64.4 63.6 118.0

166 103.7 88.3 164.1

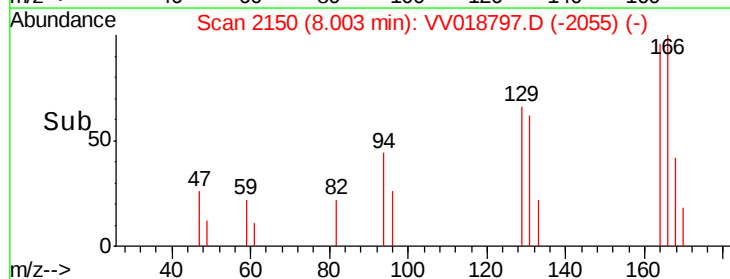
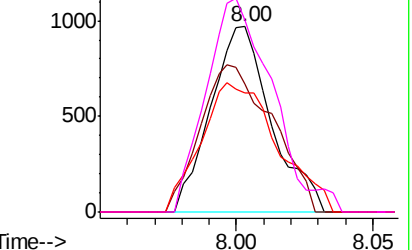


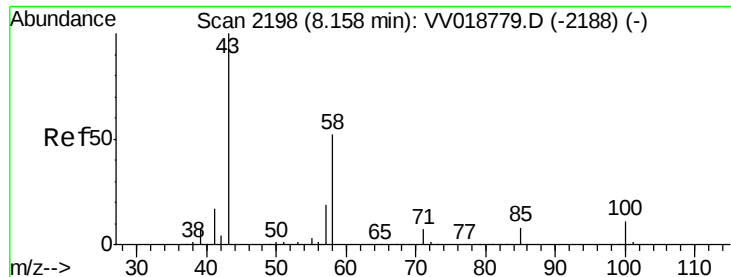
Abundance Ion 164.00 (163.70 to 164.70): VV018779.D (-2135) (-)

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) (-)

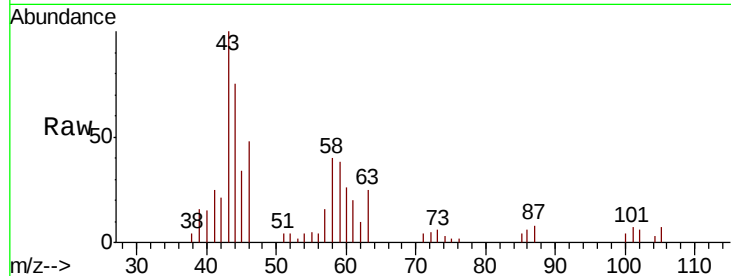




#48
2-Hexanone
Concen: 2.831 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018797.D
Acq: 09 Oct 2020 06:10

Instrument :
MSVOA_V
ClientSampleId :
BG3Q8

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.8	41.8	62.8#
57	20.3	14.9	22.3
100	1.3	9.2	13.8#

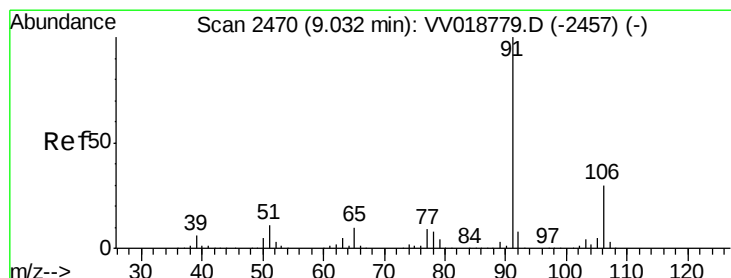
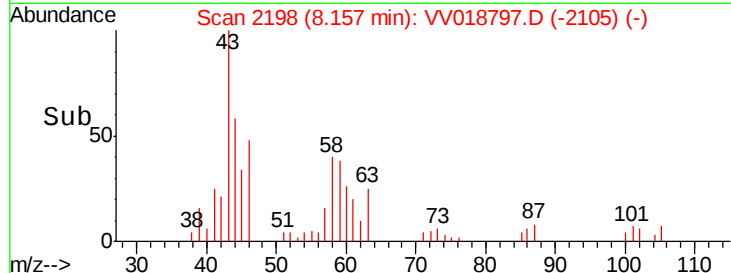
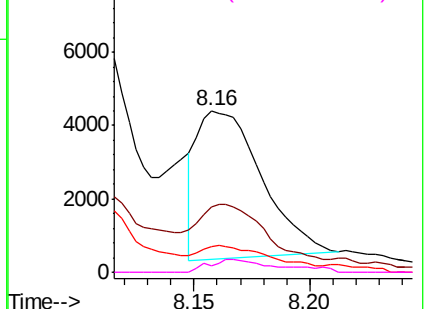


Abundance Ion 43.00 (42.70 to 43.70): VV018797.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV018797.D (-2188) (-)

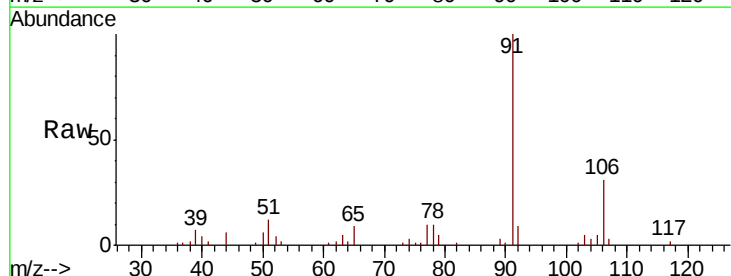
Ion 57.00 (56.70 to 57.70): VV018797.D (-2188) (-)

Ion 100.00 (99.70 to 100.70): VV018797.D (-2188) (-)



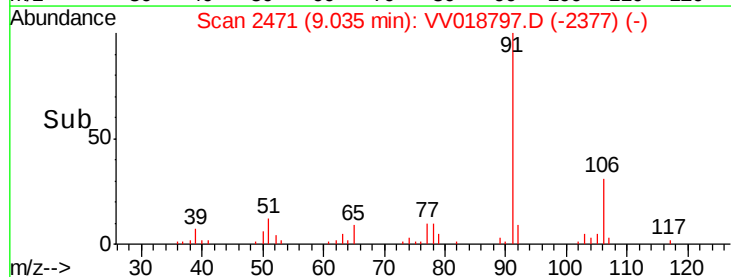
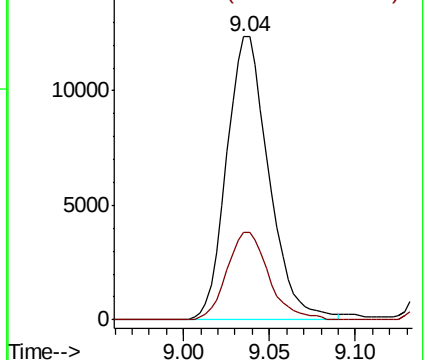
#52
Ethylbenzene
Concen: 1.852 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018797.D
Acq: 09 Oct 2020 06:10

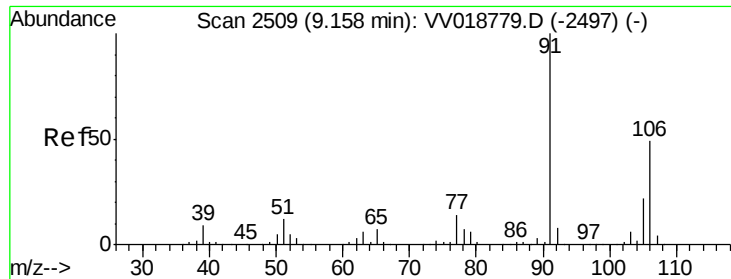
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	20.9	38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018797.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV018797.D (-2457) (-)

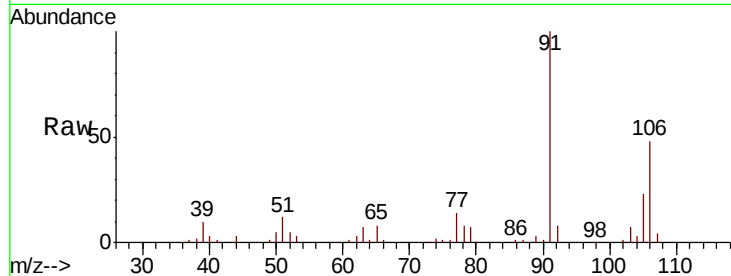




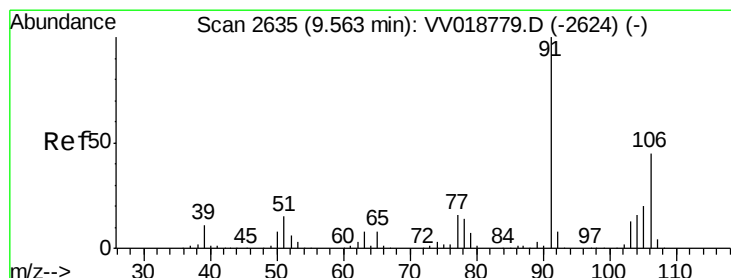
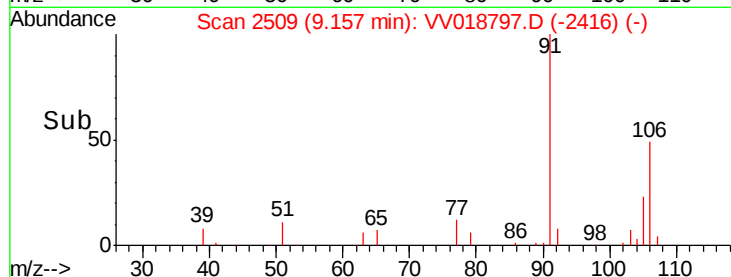
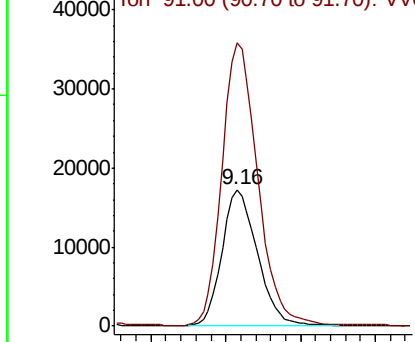
#53
m,p-Xylene
Concen: 6.821 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018797.D
Acq: 09 Oct 2020 06:10

Instrument :
MSVOA_V
ClientSampled :
BG3Q8

Tot Ion:106 Resp: 28556
Ion Ratio Lower Upper
106 100
91 207.1 147.1 273.1

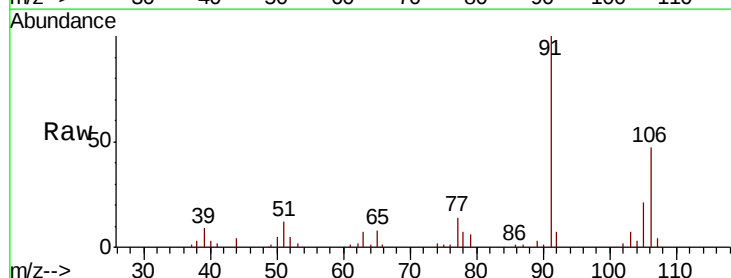


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

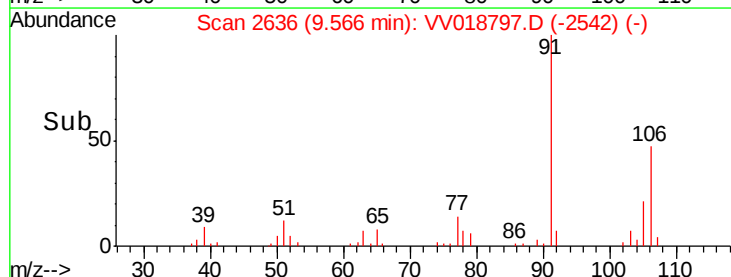
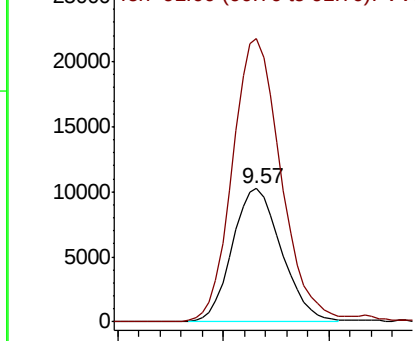


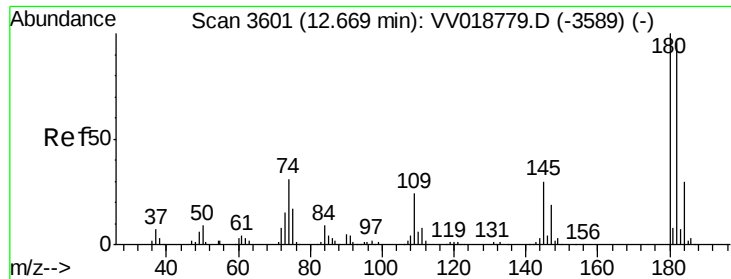
#54
o-xylene
Concen: 4.177 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018797.D
Acq: 09 Oct 2020 06:10

Tgt Ion:106 Resp: 16608
Ion Ratio Lower Upper
106 100
91 212.2 156.8 291.2



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

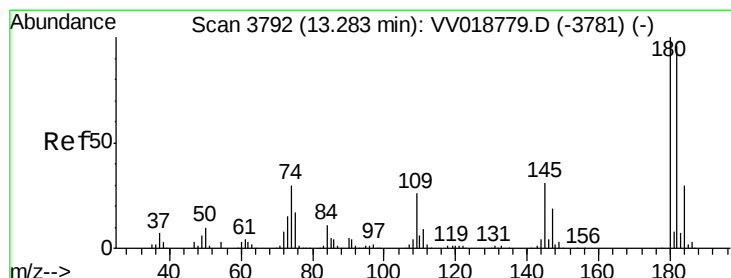
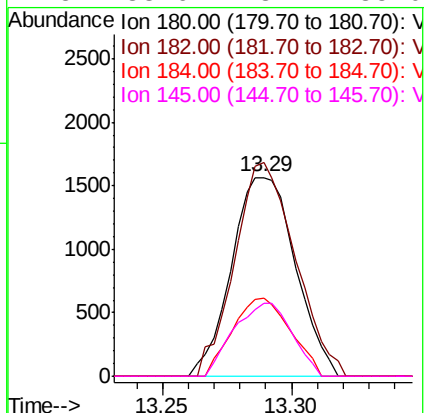
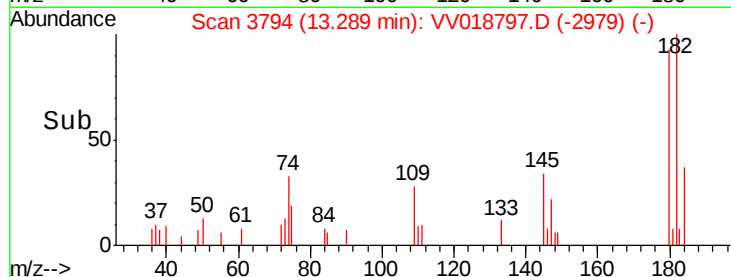
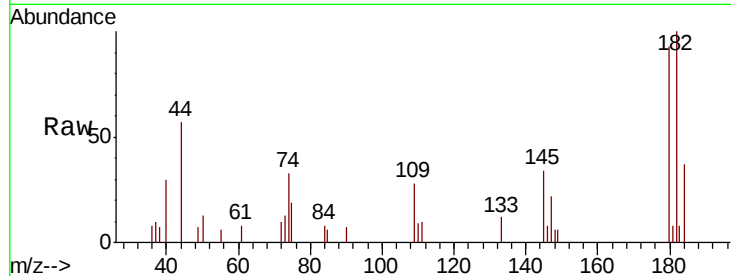




#67
 1,3,5-Trichlorobenzene
 Concen: 0.758 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.62 min
 Lab File: VV018797.D
 Acq: 09 Oct 2020 06:10

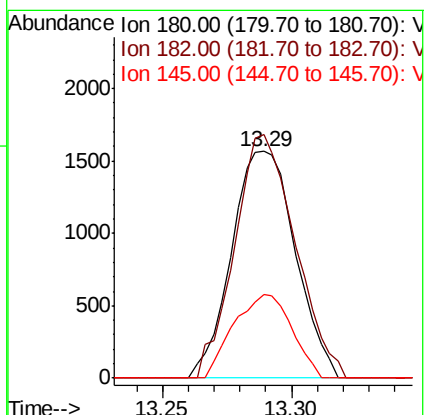
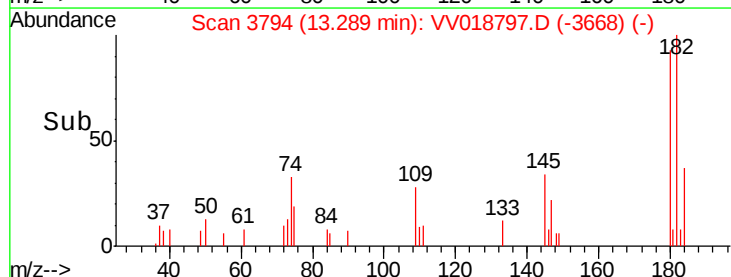
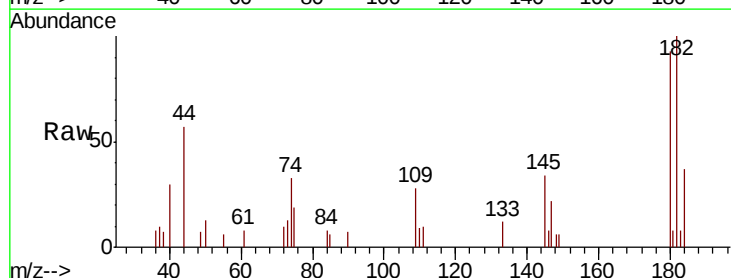
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Q8

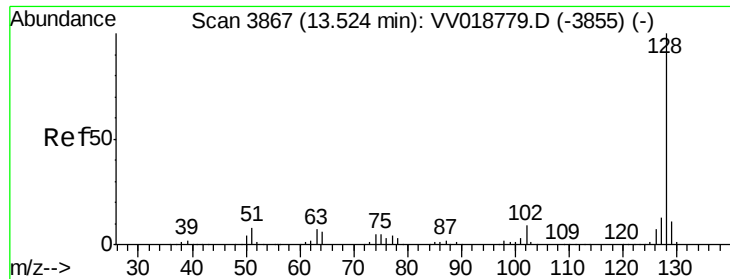
Tot Ion	180	182	184	145
Resp:	2700			
Ion Ratio	100	101.8	35.5	33.6
Lower		77.0	24.6	23.4
Upper		115.6	37.0	35.0



#68
 1,2,4-trichlorobenzene
 Concen: 0.806 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018797.D
 Acq: 09 Oct 2020 06:10

Tgt Ion	180	182	145
Resp:	2700		
Ion Ratio	100	101.8	33.6
Lower		76.7	24.0
Upper		115.1	36.0





#69

Naphthalene

Concen: 2.059 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV018797.D

Acq: 09 Oct 2020 06:10

Instrument :

MSVOA_V

ClientSampleId :

BG3Q8

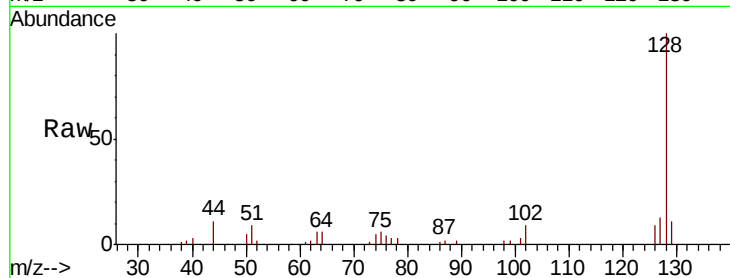
Tot Ion:128 Resp: 19431

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

15000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

