

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018809.D
 Acq On : 09 Oct 2020 11:18
 Operator : SY/MD
 Sample : L4239-18
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3S2

Quant Time: Oct 09 23:52:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 23:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	289614	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	288079	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	158234	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	137485	52.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.50%
7) Chloroethane-d5	1.58	69	119033	56.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.40%
11) 1,1-Dichloroethene-d2	2.12	63	214392	42.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.52%
21) 2-Butanone-d5	3.90	46	220495	136.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	136.46%#
24) Chloroform-d	4.38	84	278504	59.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.98%
26) 1,2-Dichloroethane-d4	5.06	65	195975	62.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	124.54%
32) Benzene-d6	5.07	84	555304	59.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.80%
36) 1,2-Dichloropropane-d6	6.09	67	181196	59.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	119.88%
41) Toluene-d8	7.34	98	496533	60.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	120.66%#
43) trans-1,3-Dichloropropene-	7.64	79	83739	56.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	113.34%
47) 2-Hexanone-d5	8.11	63	136588	128.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	128.91%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	221762	63.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	127.54%#
64) 1,2-Dichlorobenzene-d4	11.65	152	211249	60.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	120.64%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.42	64	18902	11.290	ug/L #	55
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1843	0.885	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	1699	0.848	ug/L #	1
13) Acetone	2.18	43	3854	2.862	ug/L	96
14) Carbon disulfide	2.31	76	5735	0.967	ug/L	96
44) trans-1,3-Dichloropropene	7.64	75	3807	1.047	ug/L	87
45) 1,1,2-Trichloroethane	7.81	97	3340	1.481	ug/L #	19
48) 2-Hexanone	8.16	43	7657	2.973	ug/L #	81
51) Chlorobenzene	8.90	112	2438951	391.448	ug/L	99
52) Ethylbenzene	9.04	91	11246	1.055	ug/L	98
59) 1,2,3-Trichloropropane	11.20	75	328206	109.868	ug/L #	44
62) 1,3-Dichlorobenzene	11.20	146	1008489	195.490	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	1829655	340.951	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	31037	5.993	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	4758	1.424	ug/L	96
68) 1,2,4-trichlorobenzene	13.28	180	427957	136.203	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Fri Oct 09 23:43:53 2020
Response via : Initial Calibration

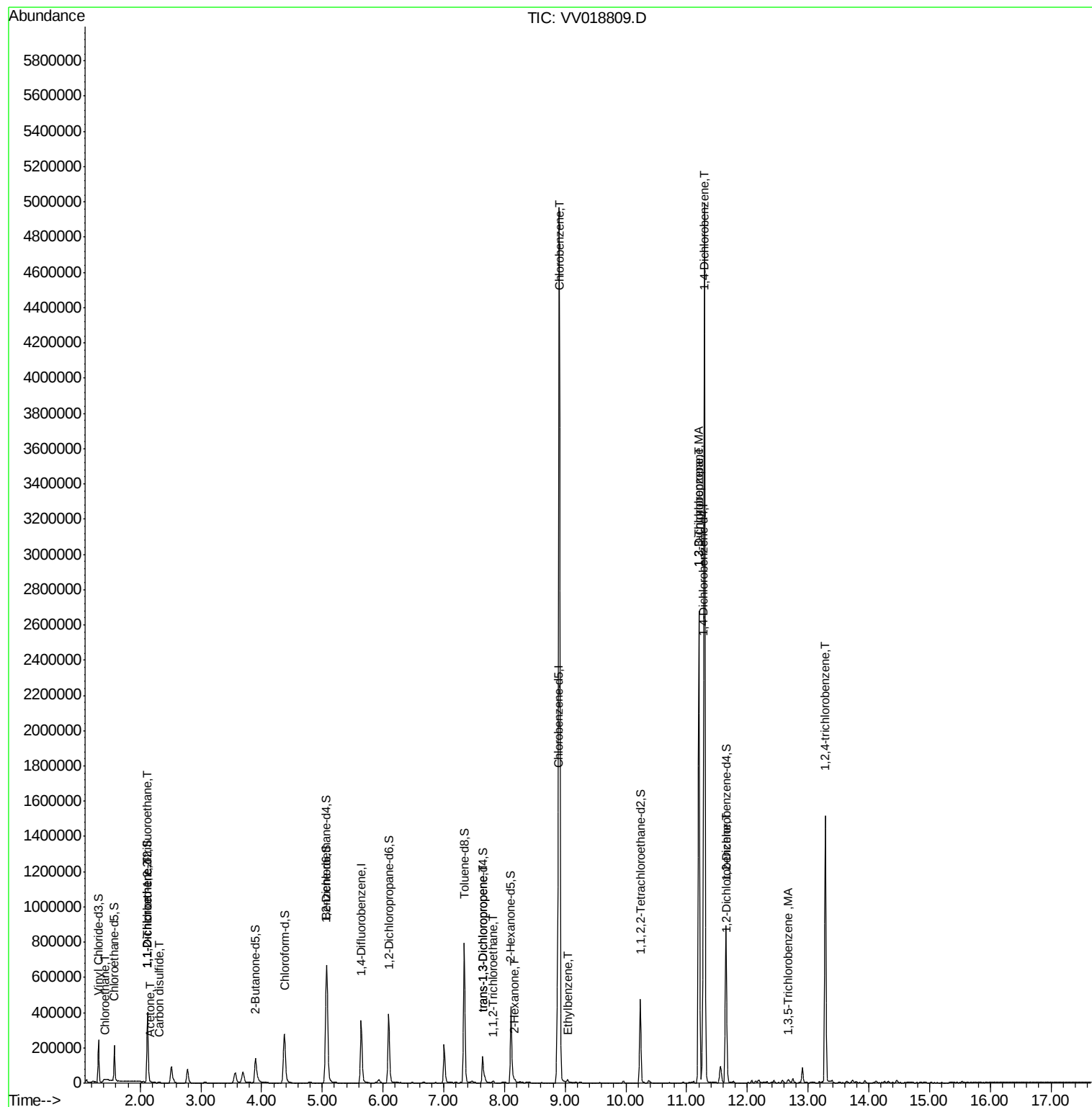
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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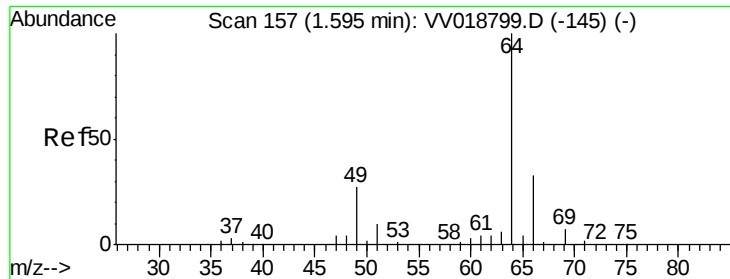
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 11.290 ug/L

RT: 1.42 min Scan# 102

Delta R.T. -0.18 min

Lab File: VV018809.D

Acq: 09 Oct 2020 11:18

Instrument :

MSVOA_V

ClientSampleId :

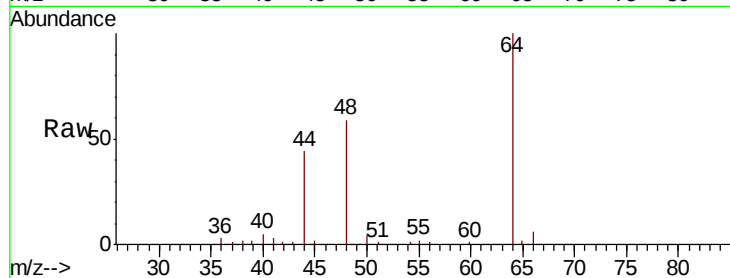
BG3S2

Tot Ion: 64 Resp: 18902

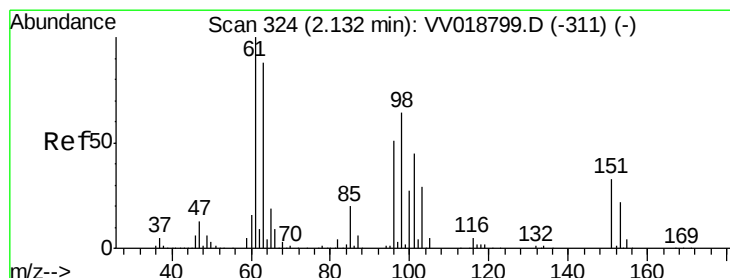
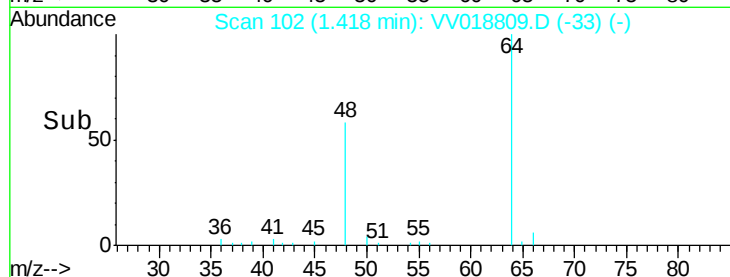
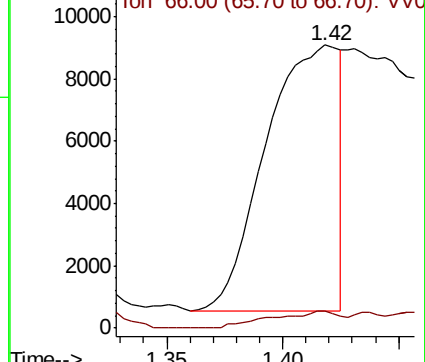
Ion Ratio Lower Upper

64 100

66 6.1 21.7 40.3#



Abundance Ion 64.00 (63.70 to 64.70): VV018799.D (-145) (-)



#10

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

Concen: 0.885 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018809.D

Acq: 09 Oct 2020 11:18

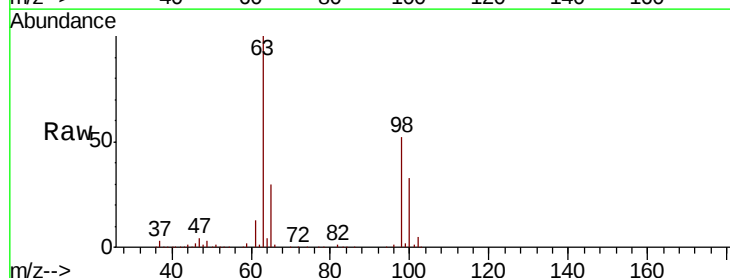
Tgt Ion:101 Resp: 1843

Ion Ratio Lower Upper

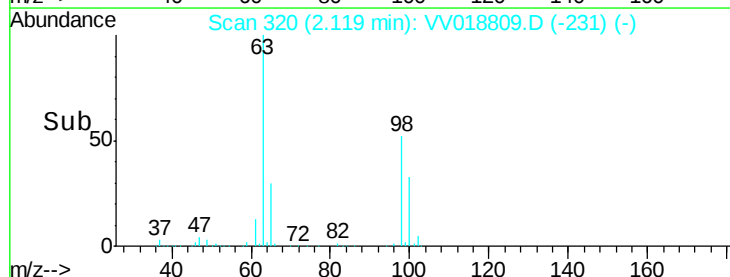
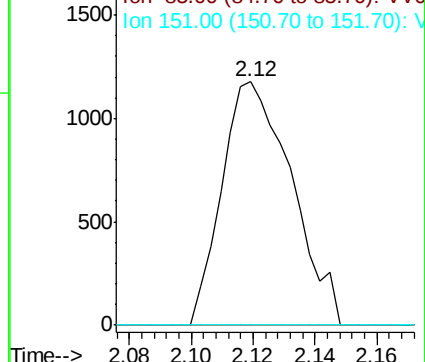
101 100

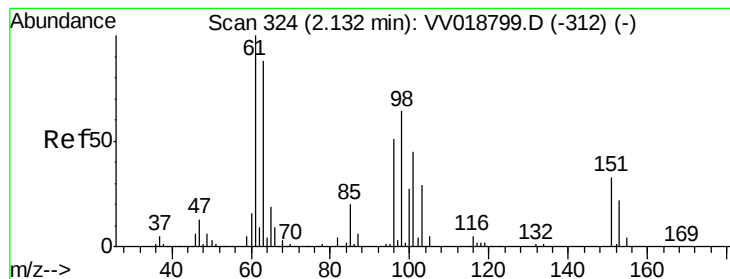
85 0.0 35.9 53.9#

151 0.0 59.8 89.8#



Abundance Ion 101.00 (100.70 to 101.70): VV018799.D (-311) (-)





#12

1,1-Dichloroethene

Concen: 0.848 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018809.D

Acq: 09 Oct 2020 11:18

Instrument :

MSVOA_V

ClientSampled :

BG3S2

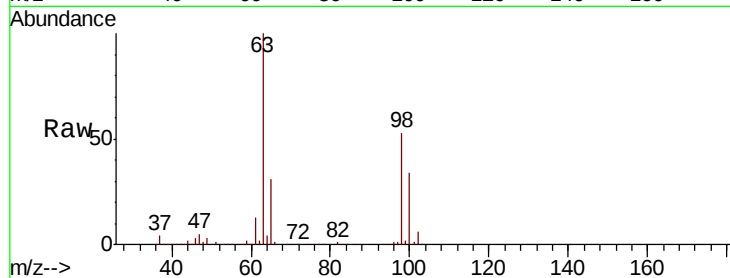
Tot Ion: 96 Resp: 1699

Ion Ratio Lower Upper

96 100

61 1572.4 133.6 248.0#

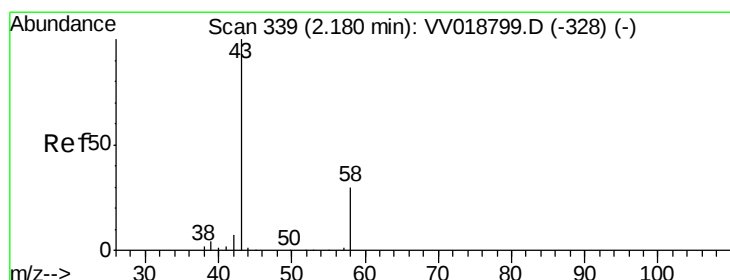
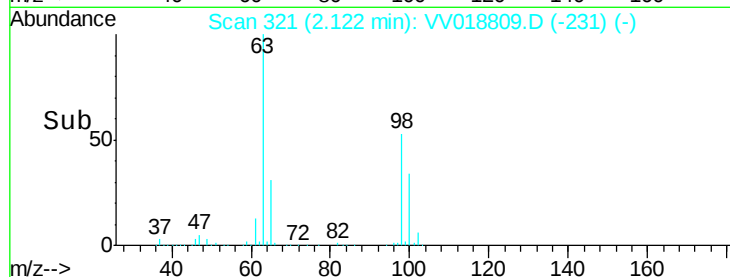
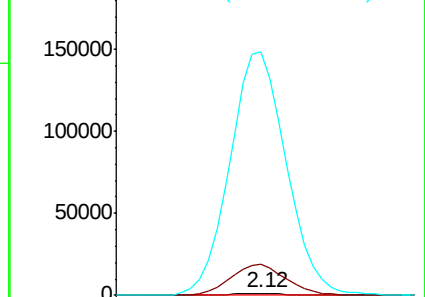
63 12482.7 108.4 201.4#



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



#13

Acetone

Concen: 2.862 ug/L

RT: 2.18 min Scan# 338

Delta R.T. -0.00 min

Lab File: VV018809.D

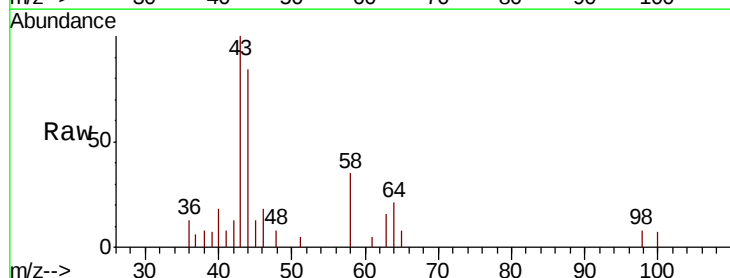
Acq: 09 Oct 2020 11:18

Tgt Ion: 43 Resp: 3854

Ion Ratio Lower Upper

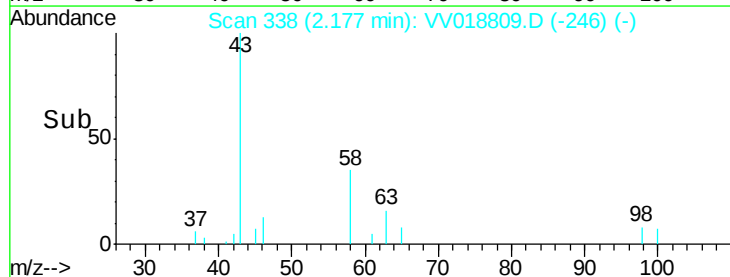
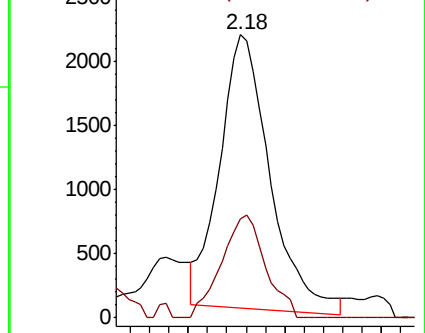
43 100

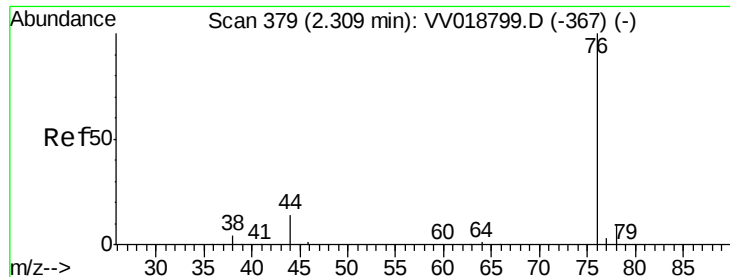
58 32.8 0.0 61.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#14

Carbon disulfide

Concen: 0.967 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018809.D

Acq: 09 Oct 2020 11:18

Instrument :

MSVOA_V

ClientSampleId :

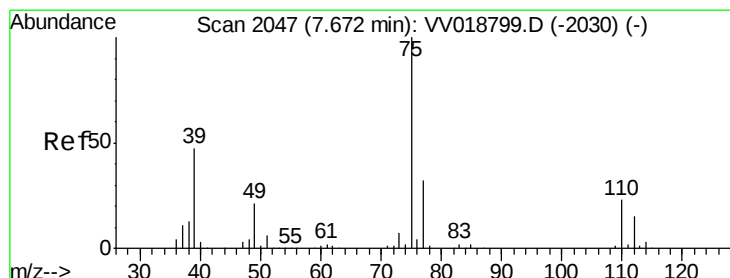
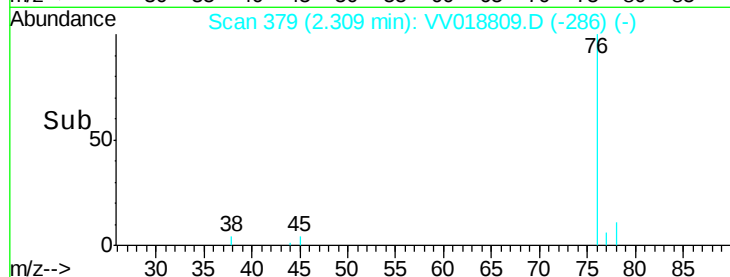
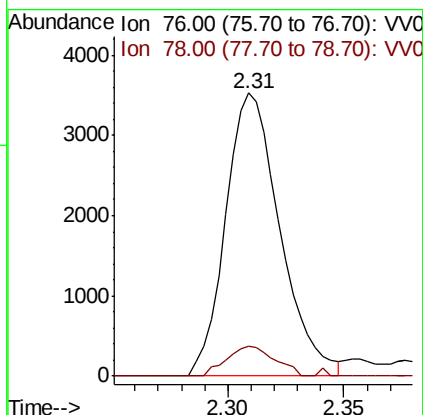
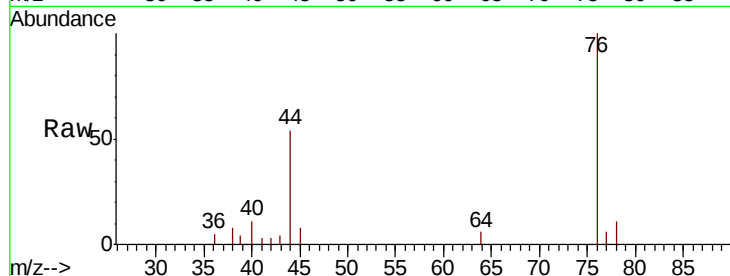
BG3S2

Tot Ion: 76 Resp: 5735

Ion Ratio Lower Upper

76 100

78 10.7 7.4 11.0



#44

trans-1,3-Dichloropropene

Concen: 1.047 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV018809.D

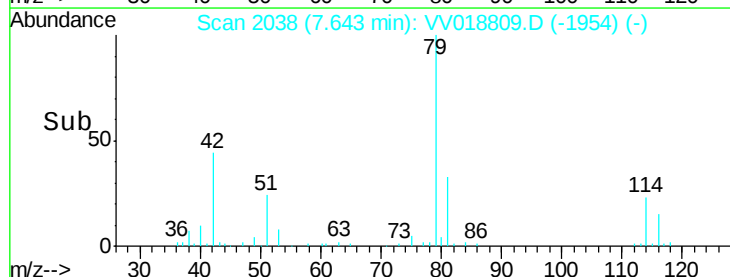
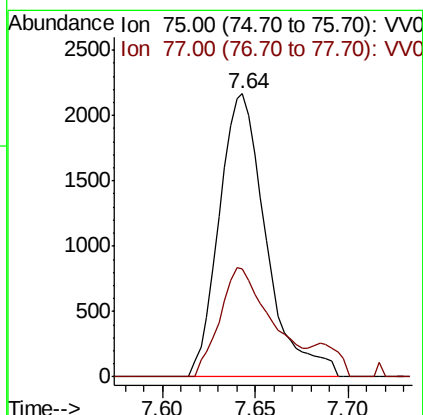
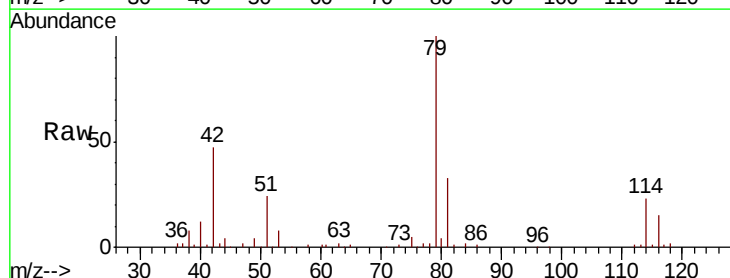
Acq: 09 Oct 2020 11:18

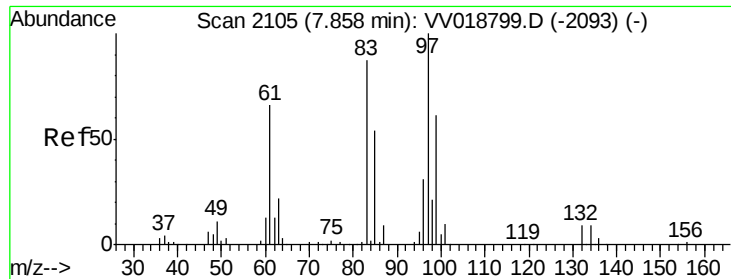
Tgt Ion: 75 Resp: 3807

Ion Ratio Lower Upper

75 100

77 38.2 21.8 40.6

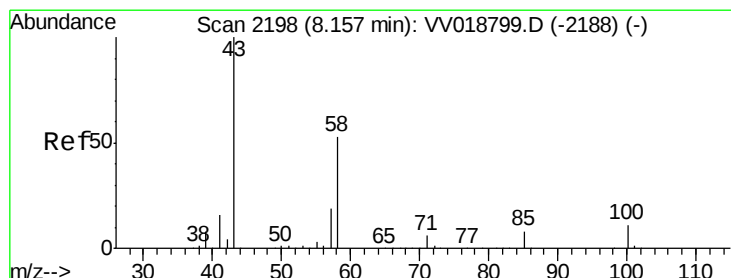
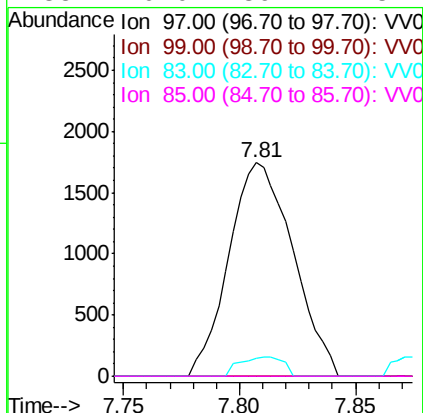
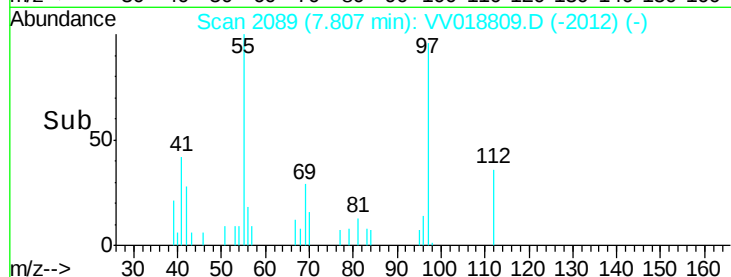
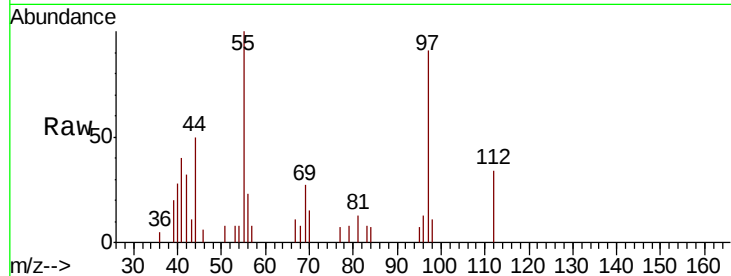




#45
 1,1,2-Trichloroethane
 Concen: 1.481 ug/L
 RT: 7.81 min Scan# 2089
 Delta R.T. -0.05 min
 Lab File: VV018809.D
 Acq: 09 Oct 2020 11:18

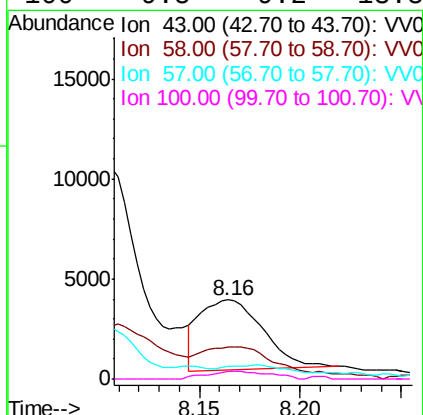
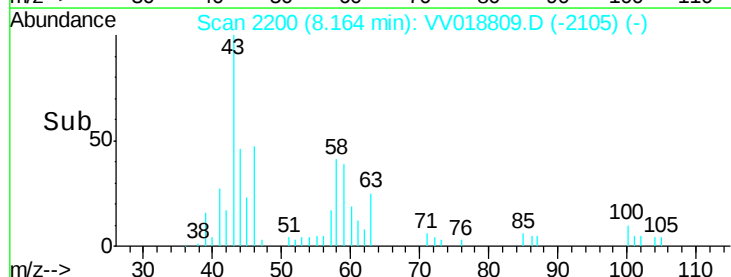
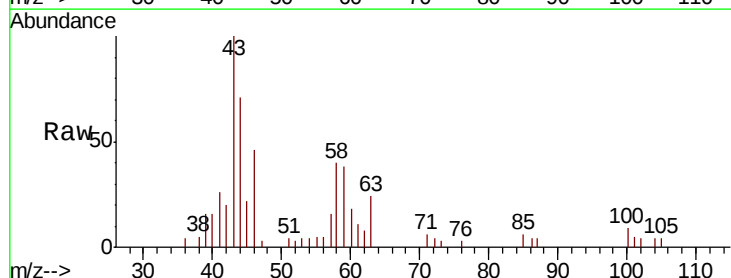
Instrument :
 MSVOA_V
 ClientSampled :
 BG3S2

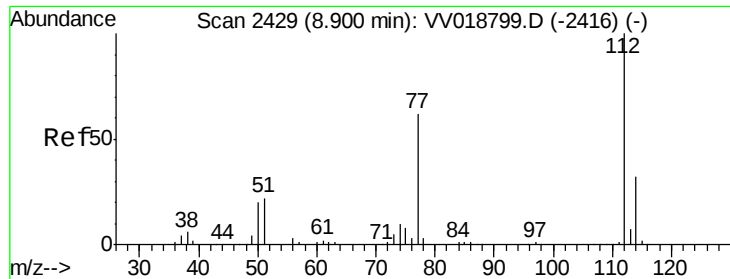
Tot Ion: 97 Resp: 3340
 Ion Ratio Lower Upper
 97 100
 99 0.0 43.4 80.6#
 83 8.3 58.7 108.9#
 85 0.0 39.4 73.2#



#48
 2-Hexanone
 Concen: 2.973 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: VV018809.D
 Acq: 09 Oct 2020 11:18

Tgt Ion: 43 Resp: 7657
 Ion Ratio Lower Upper
 43 100
 58 41.2 41.8 62.8#
 57 1.3 14.9 22.3#
 100 9.5 9.2 13.8





#51

Chlorobenzene

Concen: 391.448 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV018809.D

Acq: 09 Oct 2020 11:18

Instrument :

MSVOA_V

ClientSampleId :

BG3S2

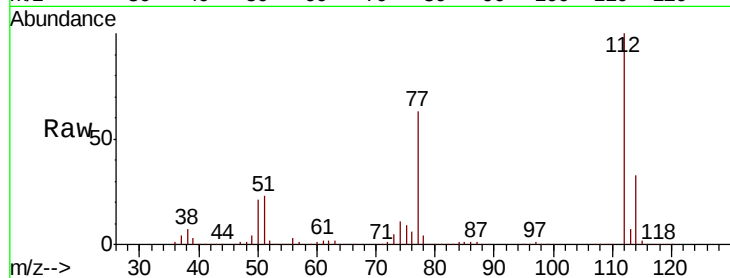
Tot Ion:112 Resp: 2438951

Ion Ratio Lower Upper

112 100

114 32.7 22.0 41.0

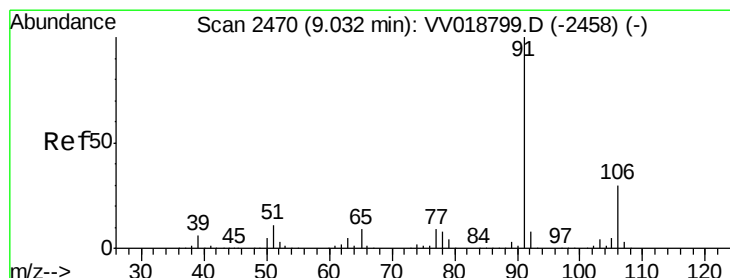
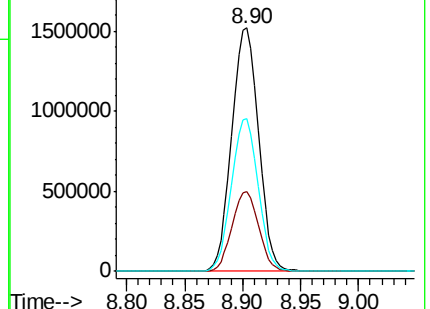
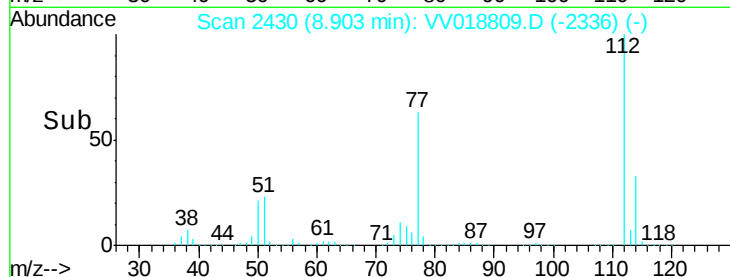
77 62.5 49.8 74.6



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): V



#52

Ethylbenzene

Concen: 1.055 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV018809.D

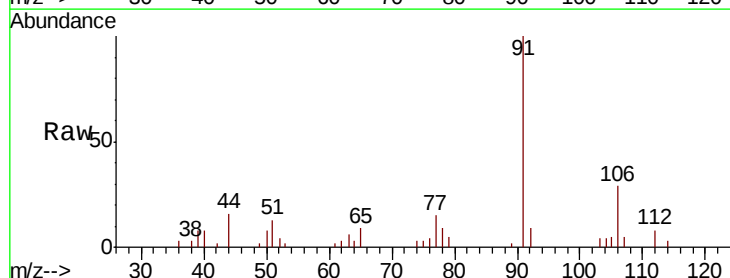
Acq: 09 Oct 2020 11:18

Tgt Ion: 91 Resp: 11246

Ion Ratio Lower Upper

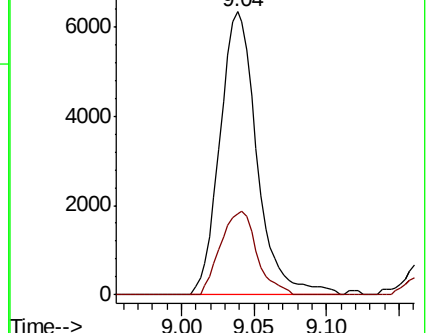
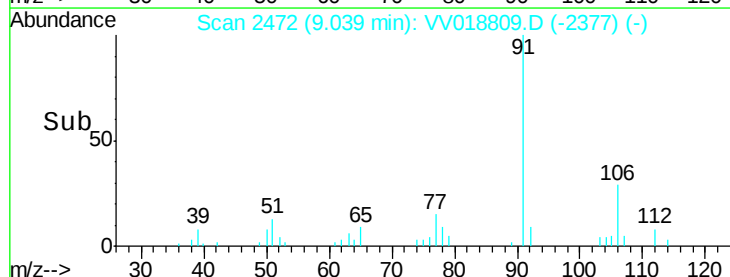
91 100

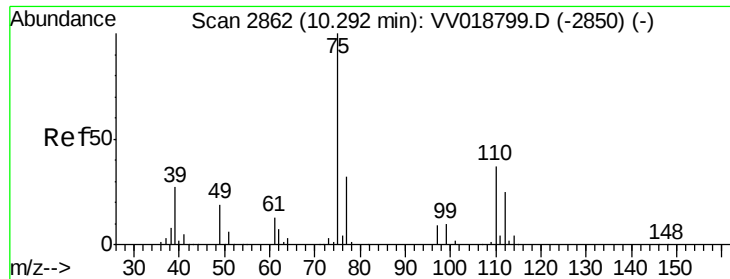
106 28.7 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#59

1,2,3-Trichloropropane

Concen: 109.868 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV018809.D

Acq: 09 Oct 2020 11:18

Instrument :

MSVOA_V

ClientSampleId :

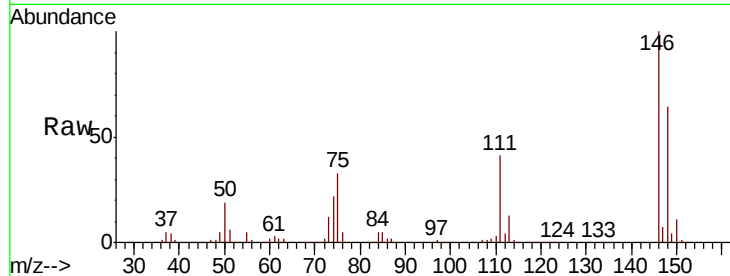
BG3S2

Tot Ion: 75 Resp: 328206

Ion Ratio Lower Upper

75 100

77 0.9 25.9 38.9#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

300000

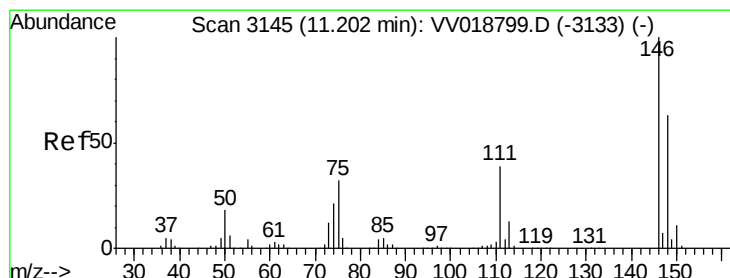
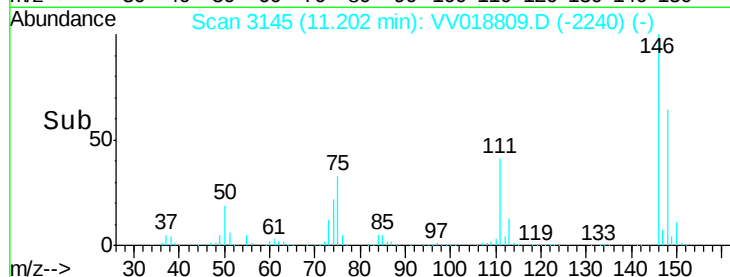
200000

100000

0

11.20

Time-->



#62

1,3-Dichlorobenzene

Concen: 195.490 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018809.D

Acq: 09 Oct 2020 11:18

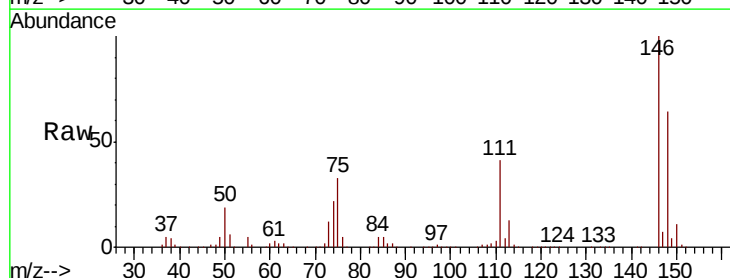
Tgt Ion:146 Resp: 1008489

Ion Ratio Lower Upper

146 100

111 40.9 27.8 51.6

148 64.3 45.4 84.4



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

1500000

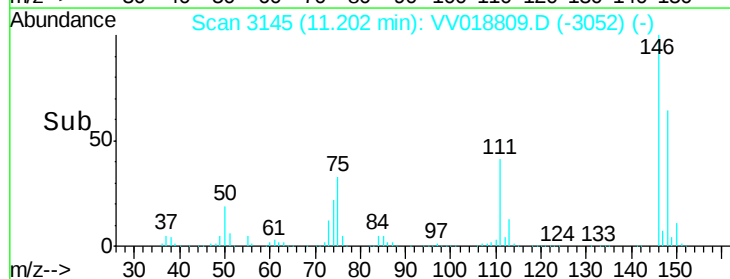
1000000

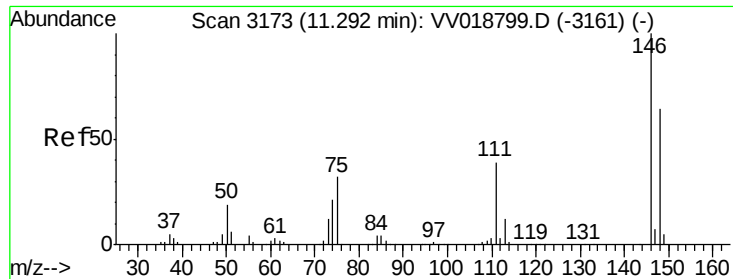
500000

0

11.20

Time-->

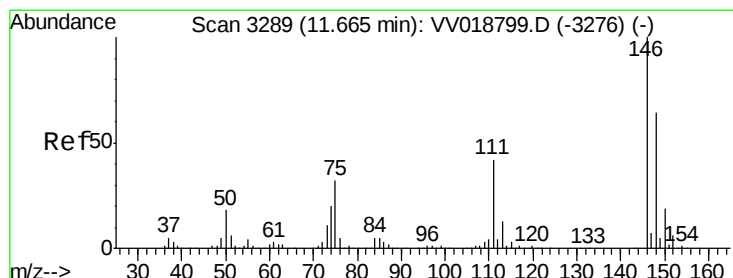
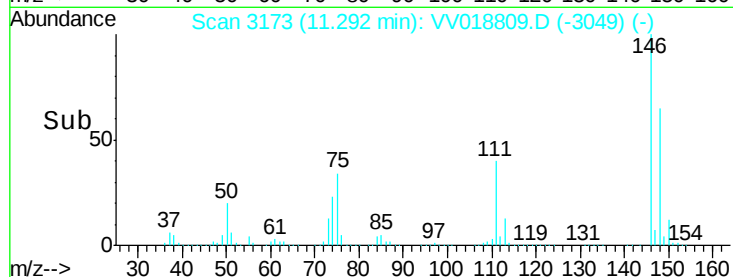
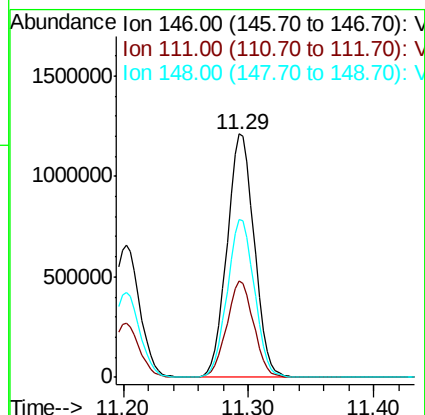
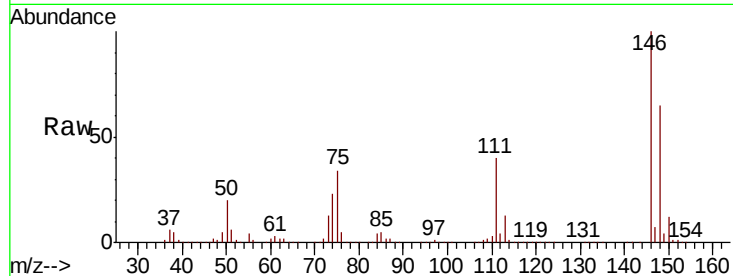




#63
 1,4-Dichlorobenzene
 Concen: 340.951 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018809.D
 Acq: 09 Oct 2020 11:18

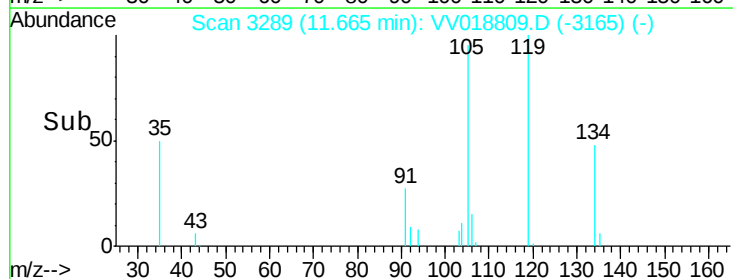
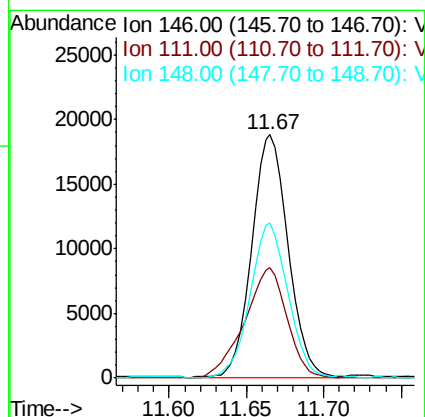
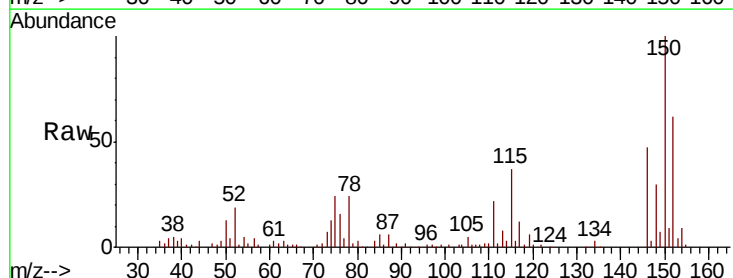
Instrument :
 MSVOA_V
 ClientSampled :
 BG3S2

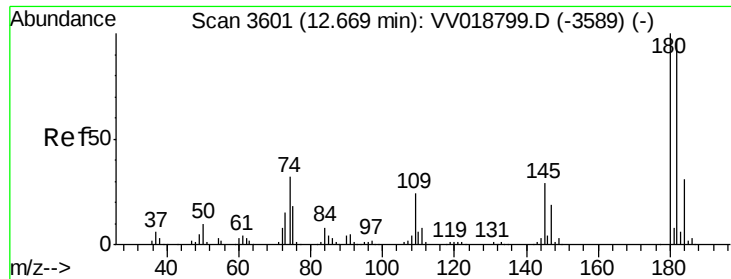
Tot Ion:146 Resp: 1829655
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.1 50.3
 148 65.0 45.4 84.4



#65
 1,2-Dichlorobenzene
 Concen: 5.993 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018809.D
 Acq: 09 Oct 2020 11:18

Tgt Ion:146 Resp: 31037
 Ion Ratio Lower Upper
 146 100
 111 45.4 33.8 50.6
 148 63.5 50.3 75.5

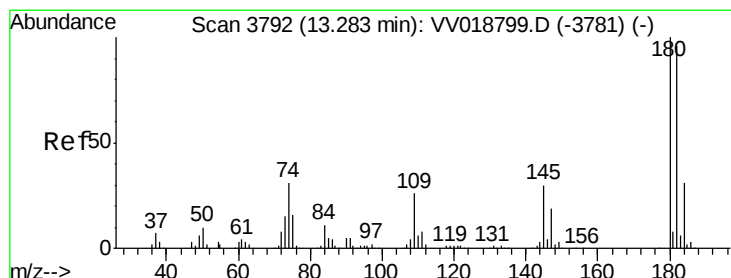
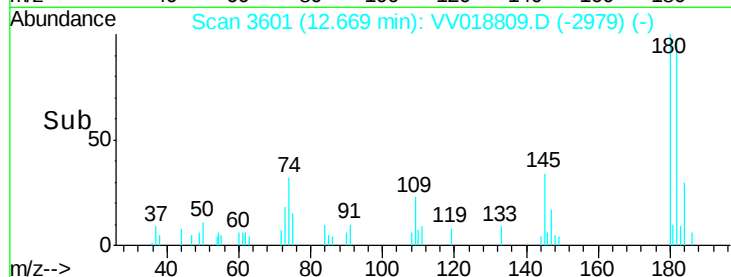
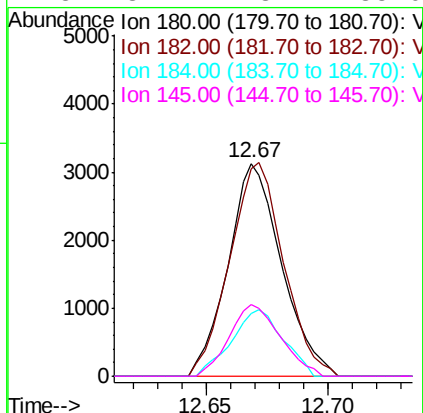
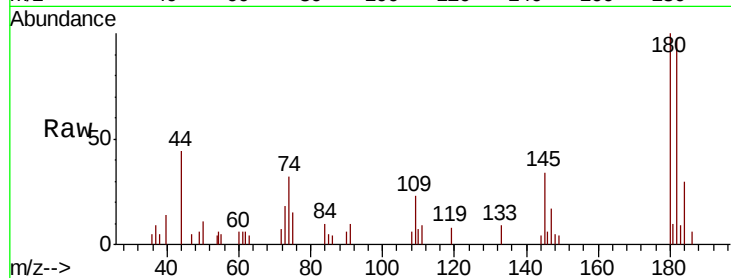




#67
 1,3,5-Trichlorobenzene
 Concen: 1.424 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018809.D
 Acq: 09 Oct 2020 11:18

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3S2

Tot Ion:180 Resp: 4758
 Ion Ratio Lower Upper
 180 100
 182 100.8 77.0 115.6
 184 30.2 24.6 37.0
 145 32.2 23.4 35.0



#68
 1,2,4-trichlorobenzene
 Concen: 136.203 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018809.D
 Acq: 09 Oct 2020 11:18

Tgt Ion:180 Resp: 427957
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.7 115.1
 145 30.0 24.0 36.0

