

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072220\
 Data File : VV017591.D
 Acq On : 22 Jul 2020 15:48
 Operator : SY/MD
 Sample : L3386-02DL 200X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F83DL

Quant Time: Jul 23 05:26:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 05:23:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	302484	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	289850	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	145987	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84257	45.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.28%
7) Chloroethane-d5	1.58	69	60851	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.92%
11) 1,1-Dichloroethene-d2	2.12	63	133077	35.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.64%
21) 2-Butanone-d5	3.91	46	139476	98.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.78%
24) Chloroform-d	4.38	84	207472	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.86%
26) 1,2-Dichloroethane-d4	5.06	65	149925	51.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.22%
32) Benzene-d6	5.07	84	384380	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.32%
36) 1,2-Dichloropropane-d6	6.09	67	115548	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.46%
41) Toluene-d8	7.34	98	362155	49.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.14%
43) trans-1,3-Dichloropropene-	7.64	79	65408	48.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.26%
47) 2-Hexanone-d5	8.11	63	104421	98.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.03%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	162492	49.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.32%
64) 1,2-Dichlorobenzene-d4	11.65	152	162404	53.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.30%

Target Compounds

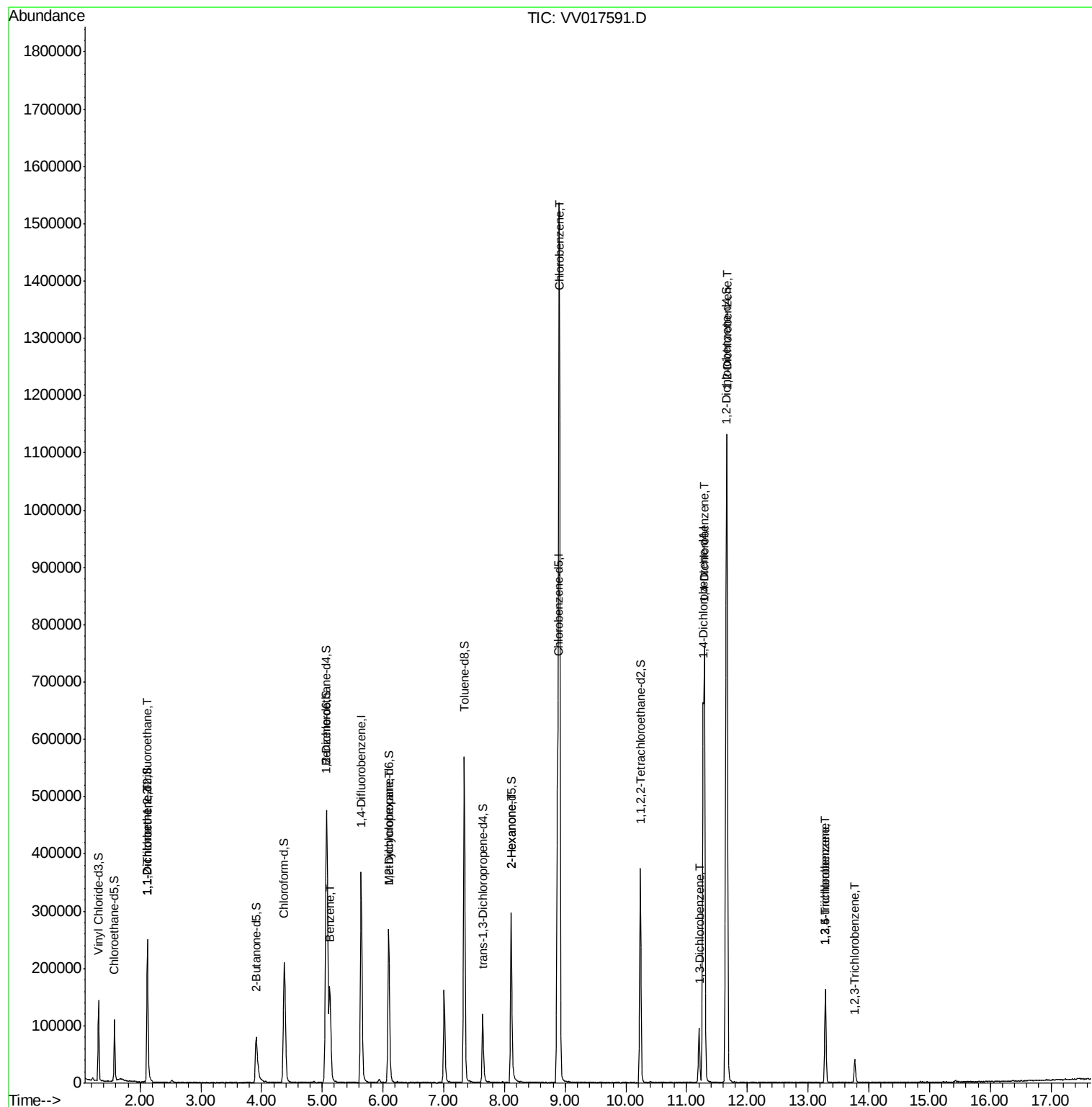
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1443	0.775	ug/L #	18
12) 1,1-Dichloroethene	2.12	96	1210	0.701	ug/L #	1
33) Benzene	5.13	78	168489	19.774	ug/L	100
35) Methylcyclohexane	6.09	83	30425	8.299	ug/L #	18
48) 2-Hexanone	8.11	43	13418	5.590	ug/L #	70
51) Chlorobenzene	8.90	112	775167	124.754	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	36489	7.444	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	279763	55.917	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	377685	76.001	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	49169	12.706	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	49169	14.326	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	11781	3.432	ug/L	92

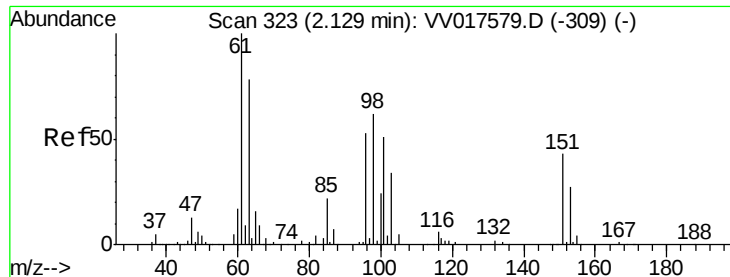
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 23 05:23:23 2020
Response via : Initial Calibration





#10

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

Concen: 0.775 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017591.D

Acq: 22 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampled :

C0F83DL

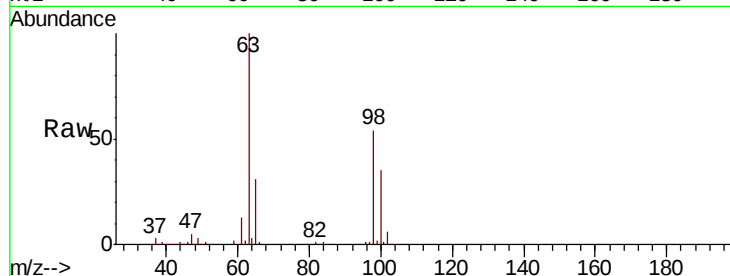
Tot Ion:101 Resp: 1443

Ion Ratio Lower Upper

101 100

85 3.0 35.1 52.7#

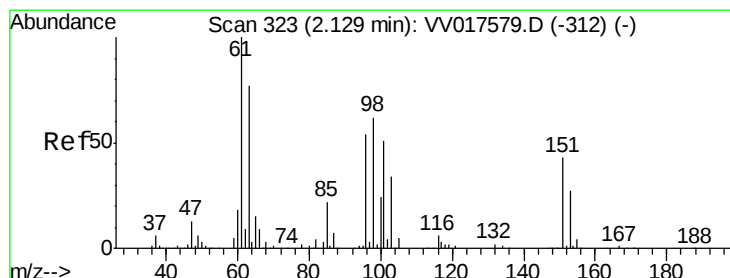
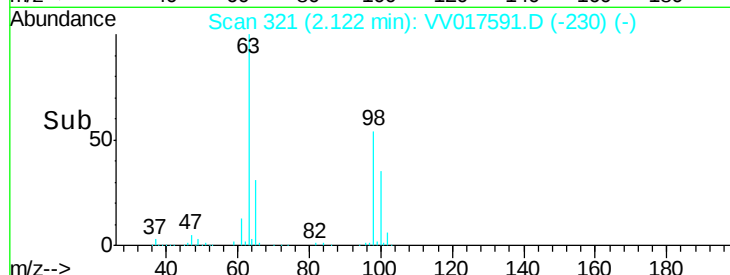
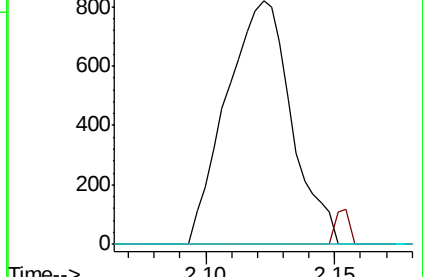
151 0.0 67.0 100.4#



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: 0.701 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017591.D

Acq: 22 Jul 2020 15:48

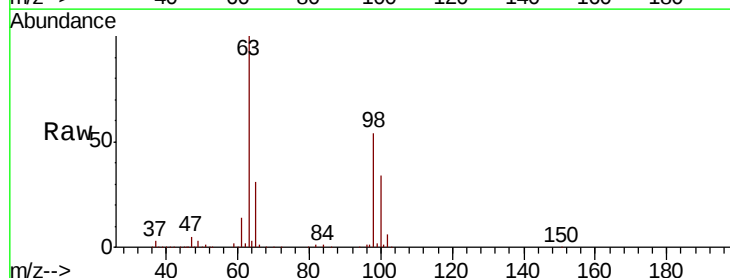
Tgt Ion: 96 Resp: 1210

Ion Ratio Lower Upper

96 100

61 1814.6 124.5 231.3#

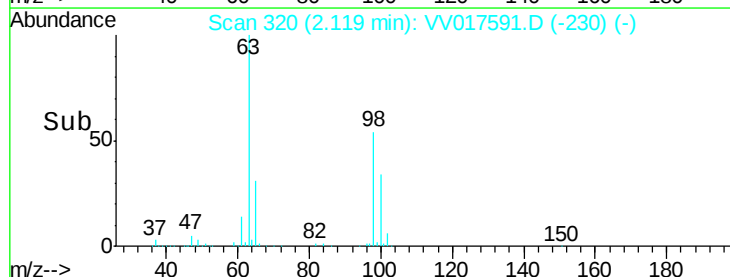
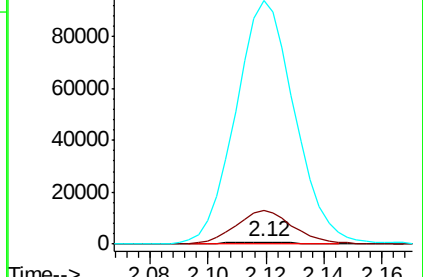
63 13190.4 89.0 165.4#

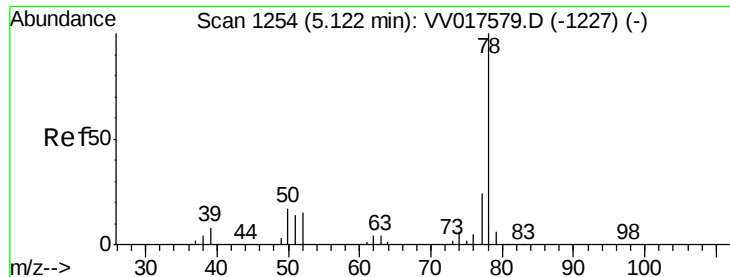


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#33

Benzene

Concen: 19.774 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV017591.D

Acq: 22 Jul 2020 15:48

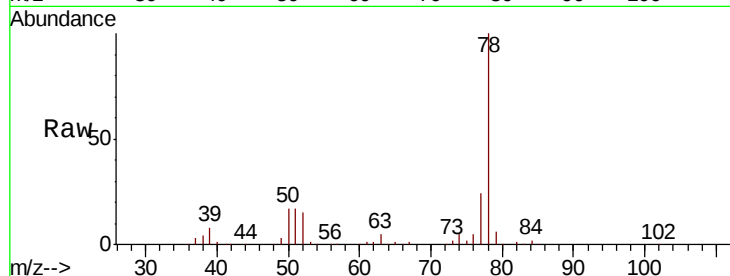
Instrument :

MSVOA_V

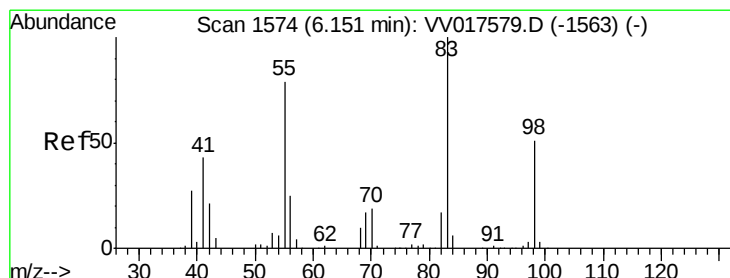
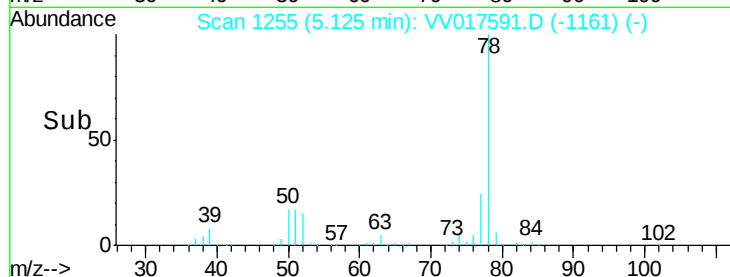
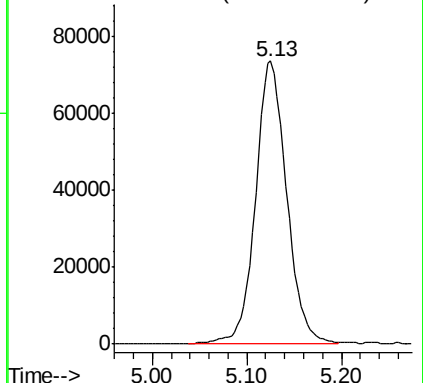
ClientSampleID :

C0F83DL

Tgt Ion: 78 Resp: 168489



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Methylcyclohexane

Concen: 8.299 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017591.D

Acq: 22 Jul 2020 15:48

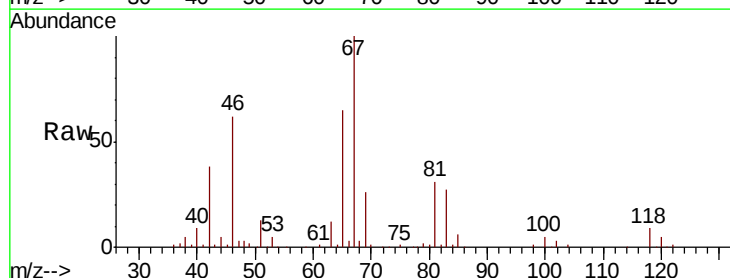
Tgt Ion: 83 Resp: 30425

Ion Ratio Lower Upper

83 100

55 0.3 61.7 92.5#

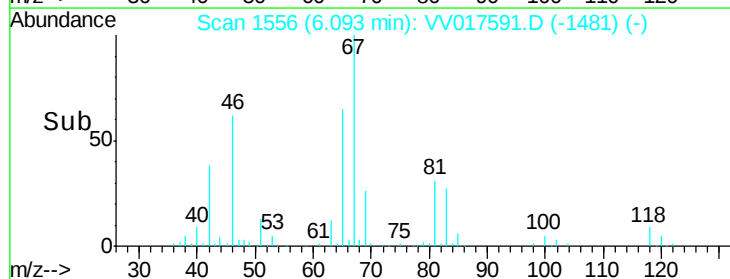
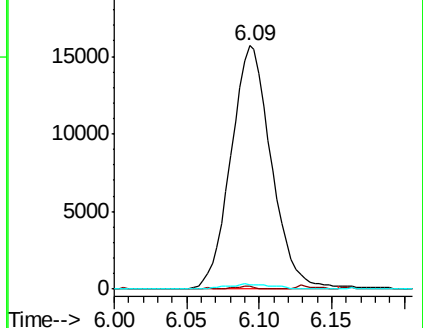
98 0.8 39.3 58.9#

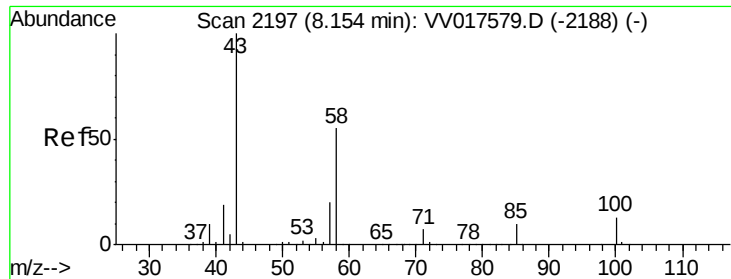


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

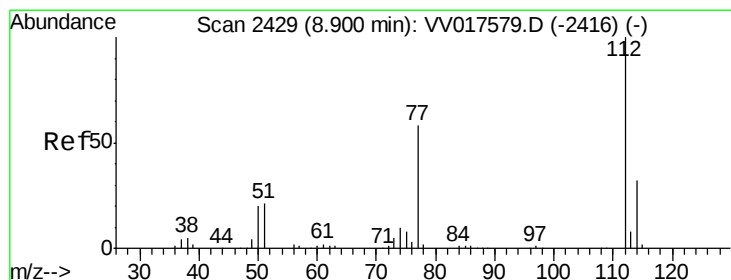
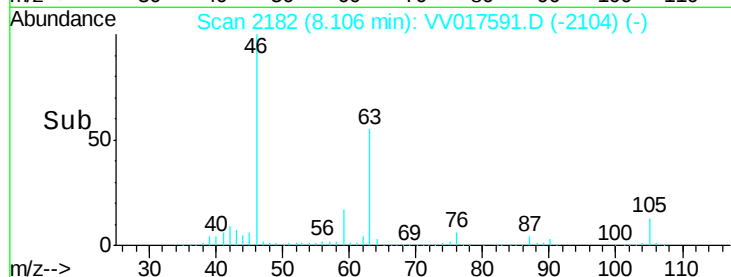
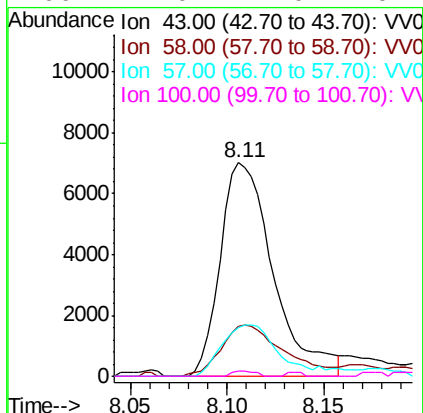
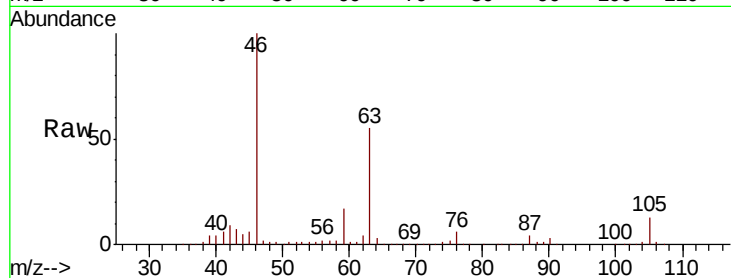




#48
2-Hexanone
Concen: 5.590 ug/L
RT: 8.11 min Scan# 2182
Delta R.T. -0.05 min
Lab File: VV017591.D
Acq: 22 Jul 2020 15:48

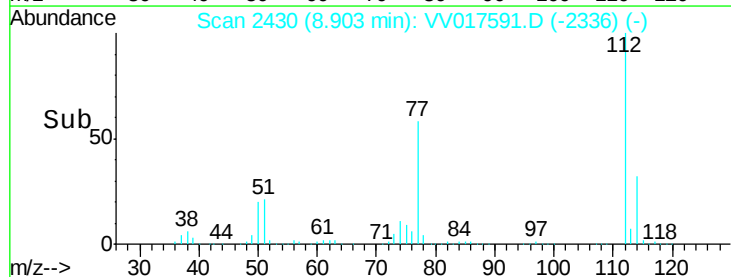
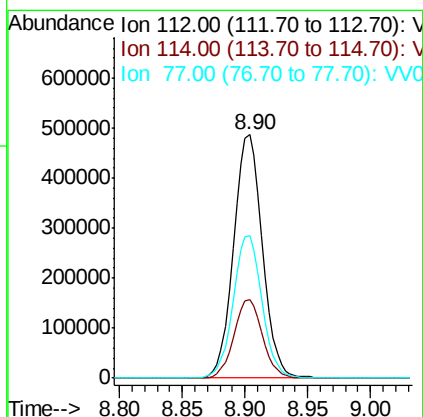
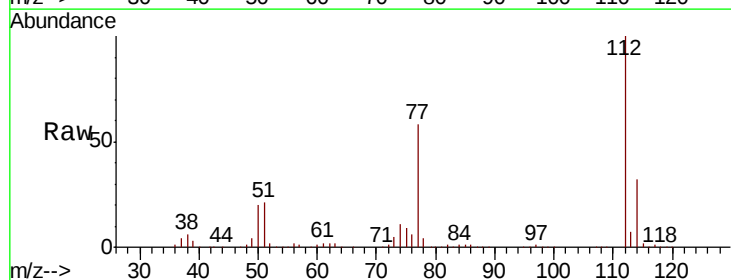
Instrument :
MSVOA_V
ClientSampleId :
C0F83DL

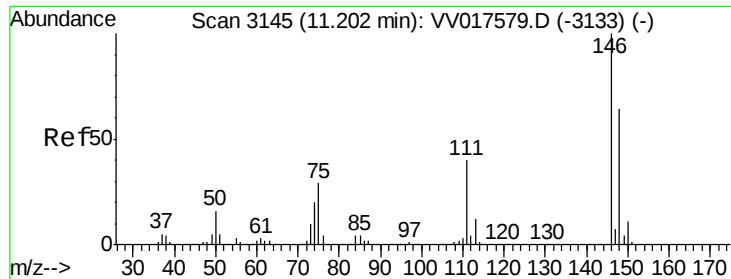
Tot Ion: 43 Resp: 13418
Ion Ratio Lower Upper
43 100
58 28.0 44.3 66.5#
57 24.6 16.9 25.3
100 1.0 11.0 16.4#



#51
Chlorobenzene
Concen: 124.754 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017591.D
Acq: 22 Jul 2020 15:48

Tgt Ion: 112 Resp: 775167
Ion Ratio Lower Upper
112 100
114 32.2 21.9 40.7
77 58.3 46.1 69.1





#62

1,3-Dichlorobenzene

Concen: 7.444 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017591.D

Acq: 22 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

C0F83DL

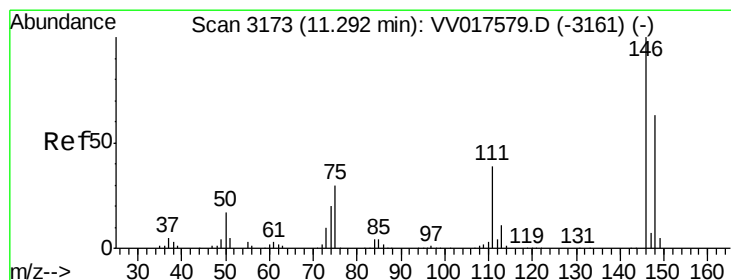
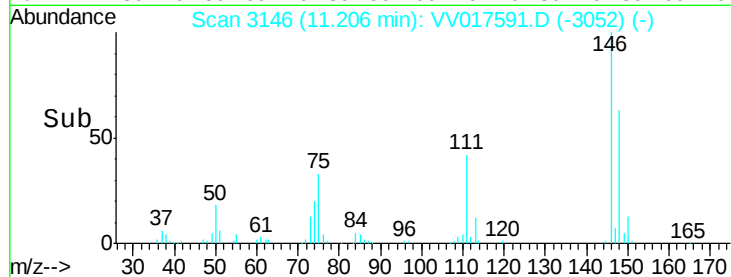
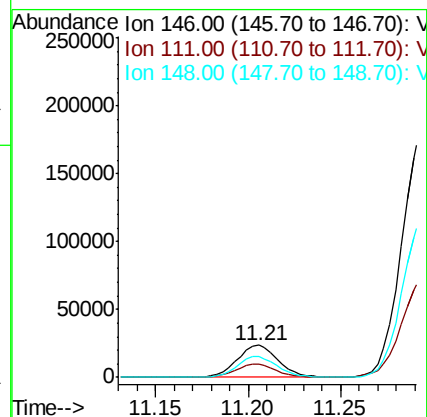
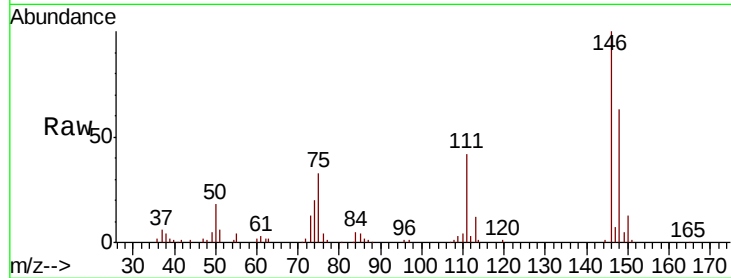
Tot Ion:146 Resp: 36489

Ion Ratio Lower Upper

146 100

111 42.1 28.2 52.4

148 63.4 44.7 82.9



#63

1,4-Dichlorobenzene

Concen: 55.917 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017591.D

Acq: 22 Jul 2020 15:48

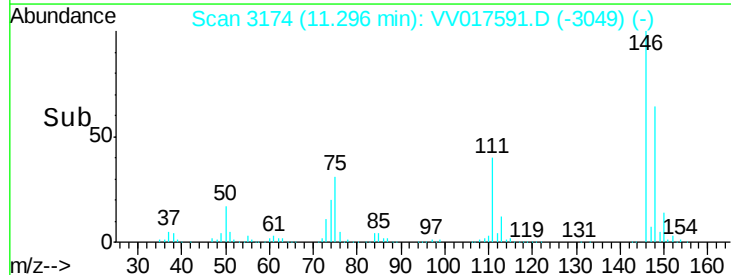
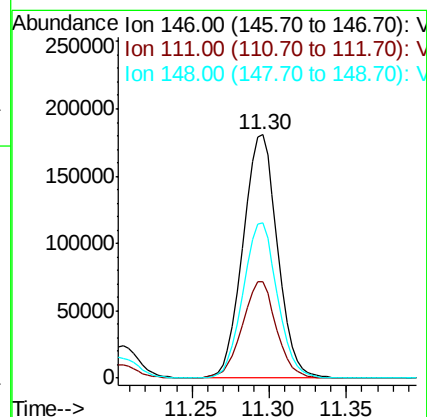
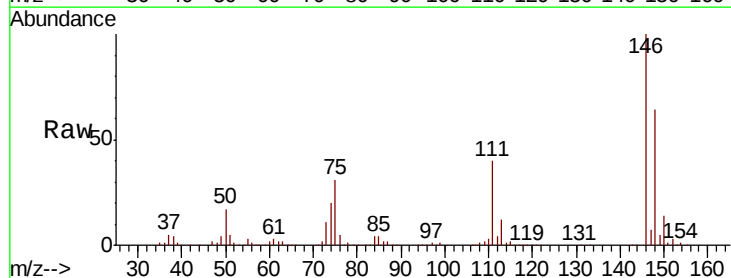
Tgt Ion:146 Resp: 279763

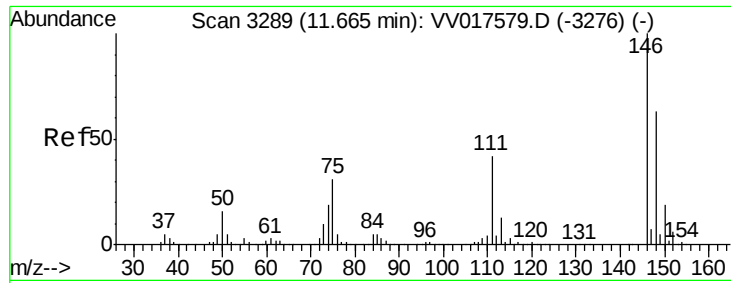
Ion Ratio Lower Upper

146 100

111 39.7 27.3 50.7

148 63.6 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 76.001 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017591.D

Acq: 22 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

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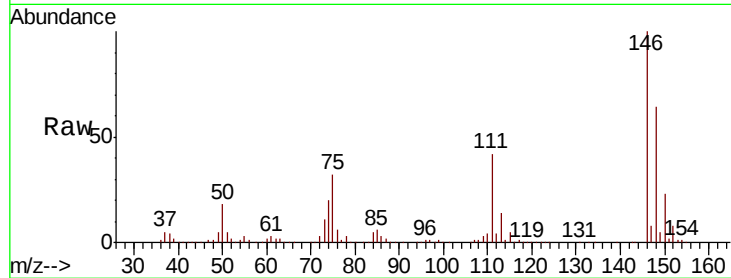
Tot Ion:146 Resp: 377685

Ion Ratio Lower Upper

146 100

111 41.7 32.9 49.3

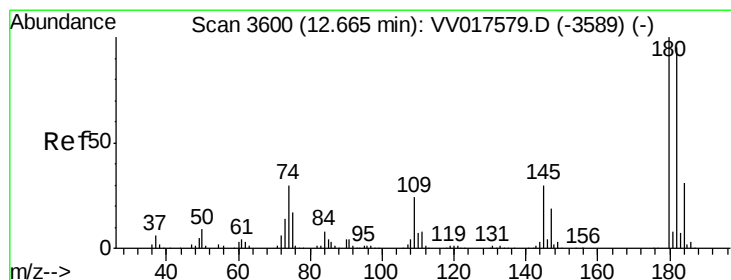
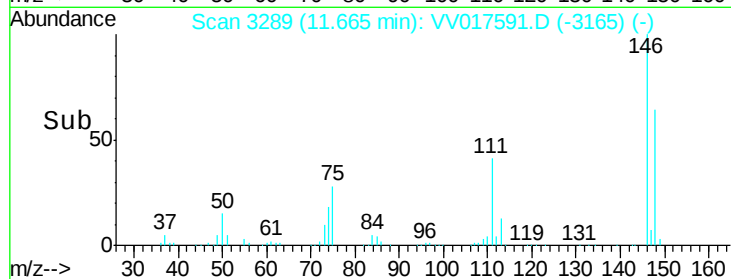
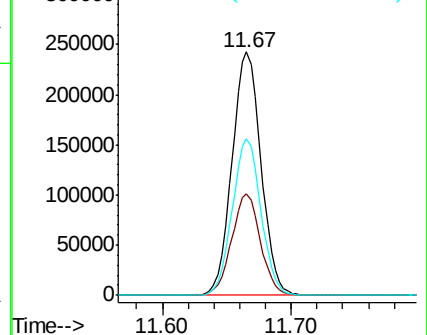
148 64.2 51.0 76.4



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



#67

1,3,5-Trichlorobenzene

Concen: 12.706 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV017591.D

Acq: 22 Jul 2020 15:48

Tgt Ion:180 Resp: 49169

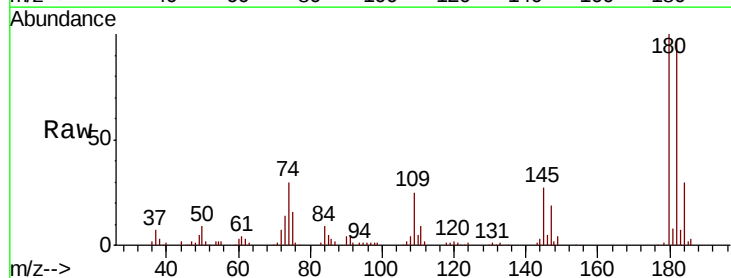
Ion Ratio Lower Upper

180 100

182 93.5 76.7 115.1

184 30.7 24.5 36.7

145 29.4 24.2 36.2

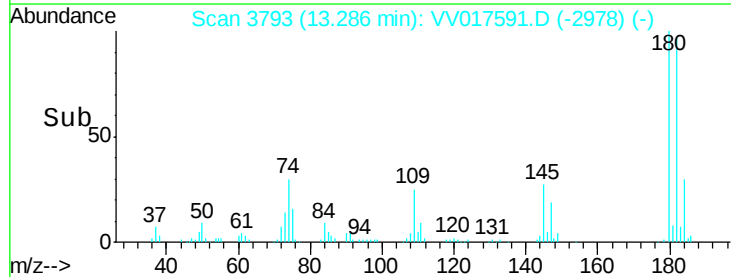
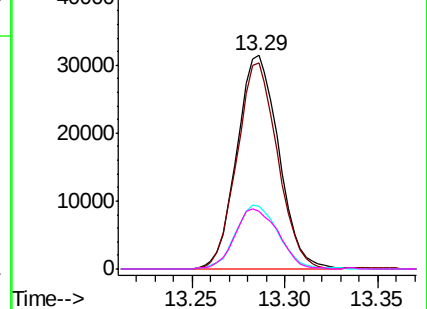


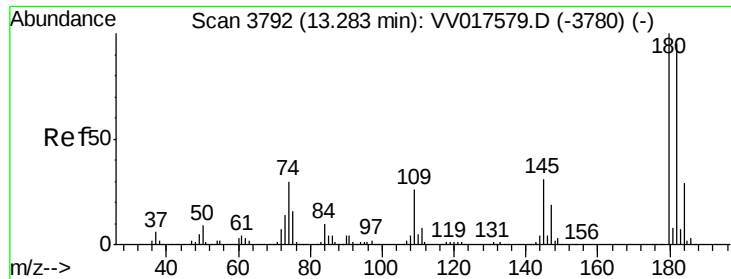
Abundance Ion 180.00 (179.70 to 180.70): V

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

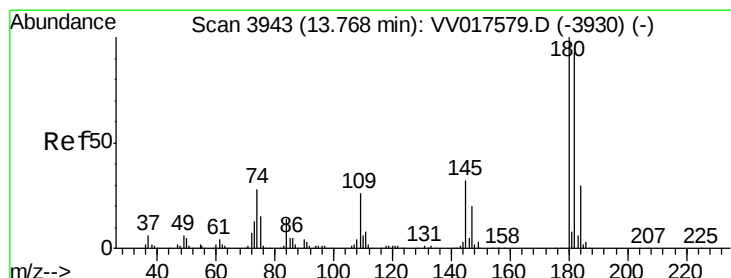
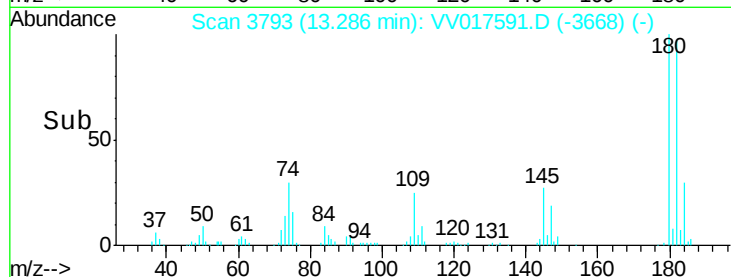
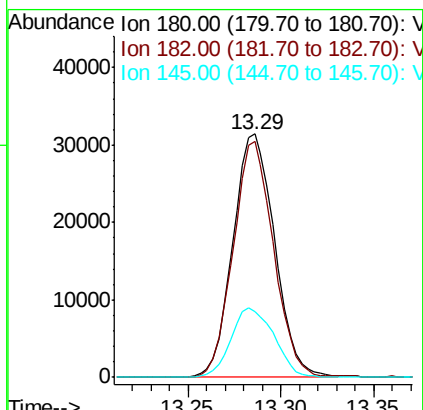
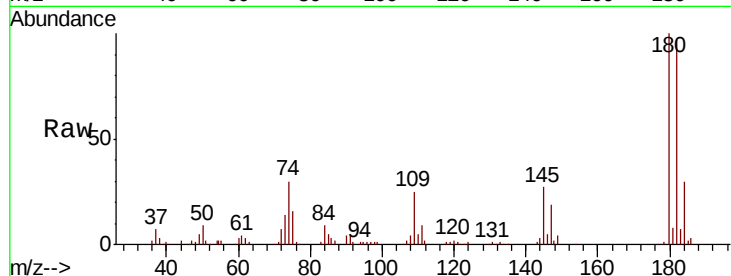




#68
 1,2,4-trichlorobenzene
 Concen: 14.326 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017591.D
 Acq: 22 Jul 2020 15:48

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F83DL

Tot Ion:180 Resp: 49169
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.2 114.4
 145 29.4 24.1 36.1



#70
 1,2,3-Trichlorobenzene
 Concen: 3.432 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV017591.D
 Acq: 22 Jul 2020 15:48

Tgt Ion:180 Resp: 11781
 Ion Ratio Lower Upper
 180 100
 182 105.3 75.8 113.8
 145 32.4 25.5 38.3

