

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072220\
 Data File : VV017587.D
 Acq On : 22 Jul 2020 14:15
 Operator : SY/MD
 Sample : L3386-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F85

Quant Time: Jul 23 05:26:09 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	315266	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	304449	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155004	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84008	43.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.32%
7) Chloroethane-d5	1.58	69	61289	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.70%
11) 1,1-Dichloroethene-d2	2.12	63	130863	33.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.60%
21) 2-Butanone-d5	3.91	46	138833	94.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.34%
24) Chloroform-d	4.38	84	203403	46.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.06%
26) 1,2-Dichloroethane-d4	5.06	65	148623	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.18%
32) Benzene-d6	5.07	84	384215	47.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.52%
36) 1,2-Dichloropropane-d6	6.09	67	117206	48.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.06%
41) Toluene-d8	7.34	98	357728	46.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.24%
43) trans-1,3-Dichloropropene-	7.64	79	63458	44.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.84%
47) 2-Hexanone-d5	8.11	63	105119	93.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	158451	45.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	163735	50.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.88%

Target Compounds

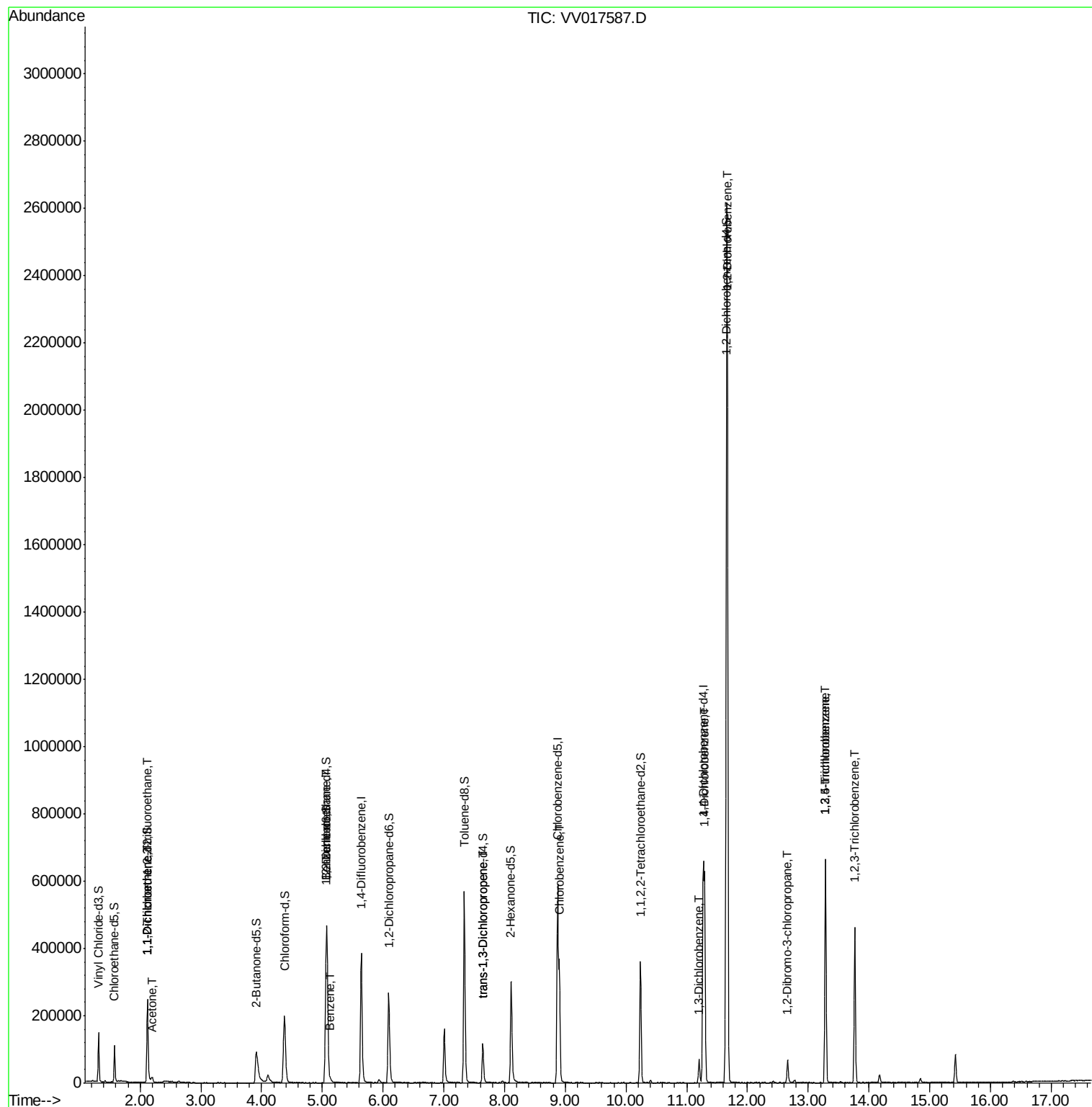
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1565	0.806	ug/L #	16
12) 1,1-Dichloroethene	2.12	96	1345	0.748	ug/L #	1
13) Acetone	2.19	43	21416	16.125	ug/L	98
27) 1,2-Dichloroethane	5.07	62	2899	0.781	ug/L	95
33) Benzene	5.13	78	8518	0.952	ug/L	100
44) trans-1,3-Dichloropropene	7.64	75	3655	0.955	ug/L	98
51) Chlorobenzene	8.90	112	178122	27.292	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	26309	5.055	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	221897	41.771	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	958332	181.626	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	1973	2.259	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.28	180	197830	48.148	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	197830	54.286	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	137454	37.708	ug/L	100

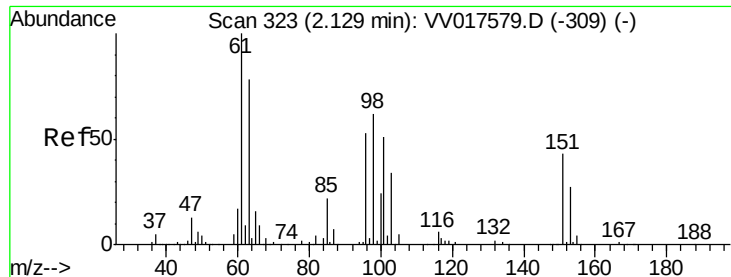
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Jul 23 05:23:23 2020
Response via : Initial Calibration





#10

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

Concen: 0.806 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017587.D

Acq: 22 Jul 2020 14:15

Instrument :

MSVOA_V

ClientSampled :

C0F85

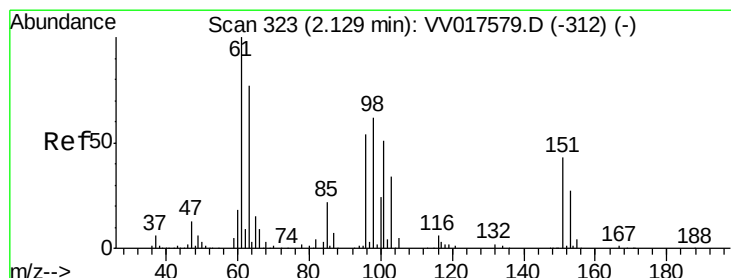
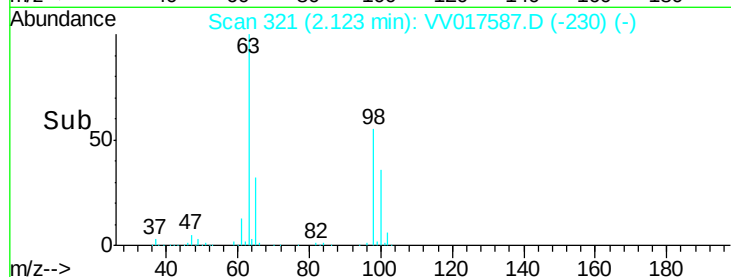
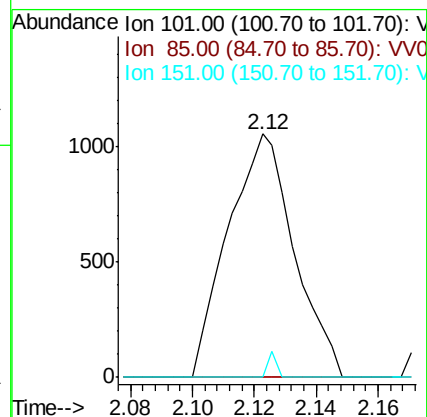
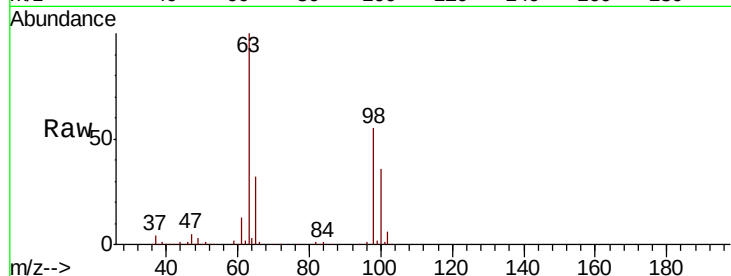
Tot Ion:101 Resp: 1565

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 67.0 100.4#



#12

1,1-Dichloroethene

Concen: 0.748 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017587.D

Acq: 22 Jul 2020 14:15

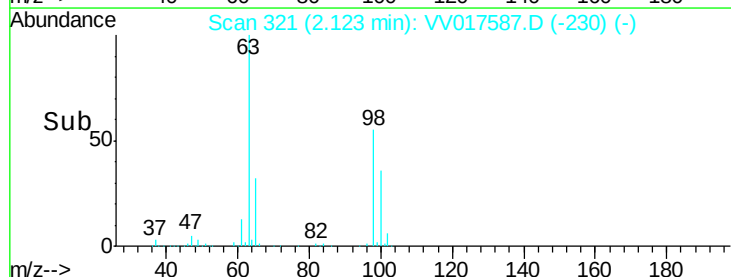
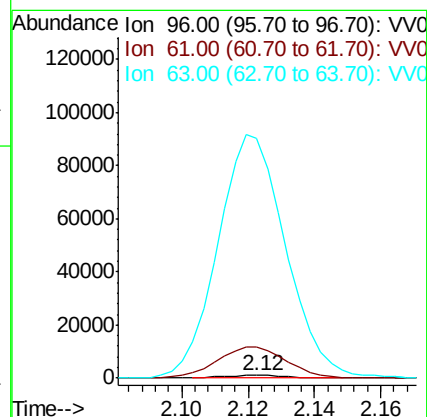
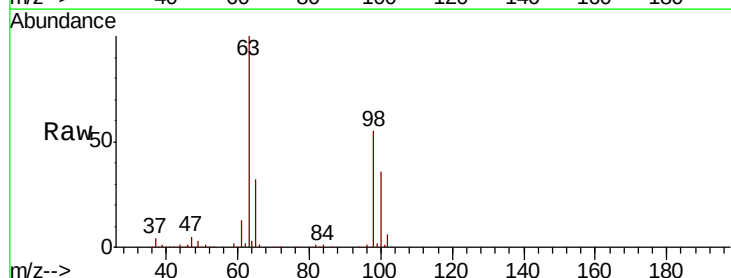
Tgt Ion: 96 Resp: 1345

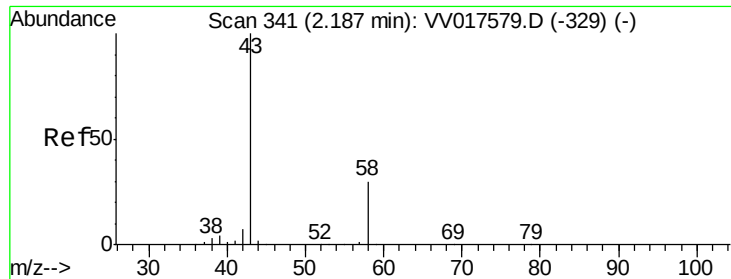
Ion Ratio Lower Upper

96 100

61 1190.9 124.5 231.3#

63 9103.2 89.0 165.4#





#13

Acetone

Concen: 16.125 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV017587.D

Acq: 22 Jul 2020 14:15

Instrument :

MSVOA_V

ClientSampled :

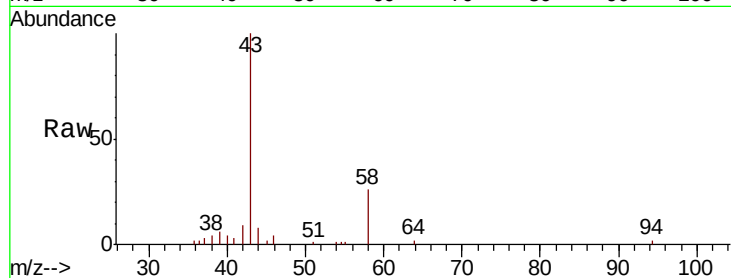
C0F85

Tot Ion: 43 Resp: 21416

Ion Ratio Lower Upper

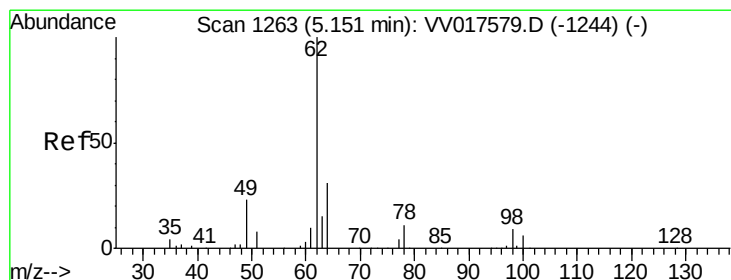
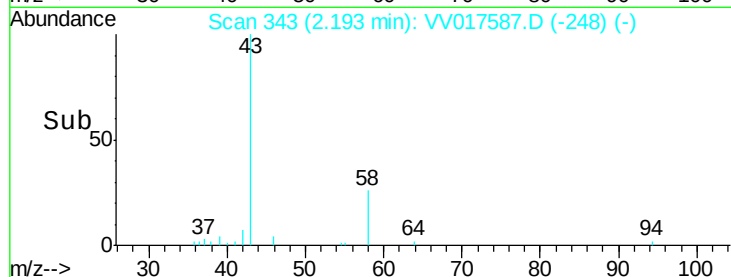
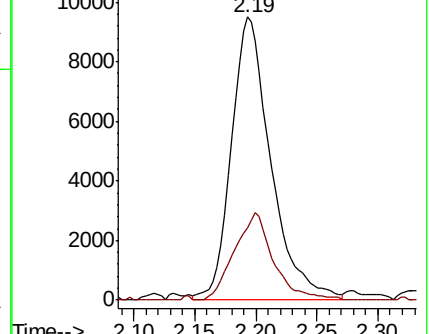
43 100

58 30.2 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#27

1,2-Dichloroethane

Concen: 0.781 ug/L

RT: 5.07 min Scan# 1239

Delta R.T. -0.08 min

Lab File: VV017587.D

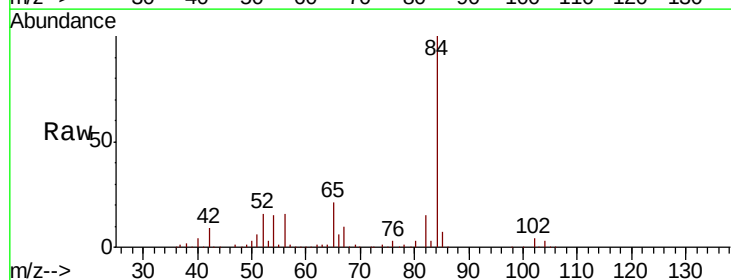
Acq: 22 Jul 2020 14:15

Tgt Ion: 62 Resp: 2899

Ion Ratio Lower Upper

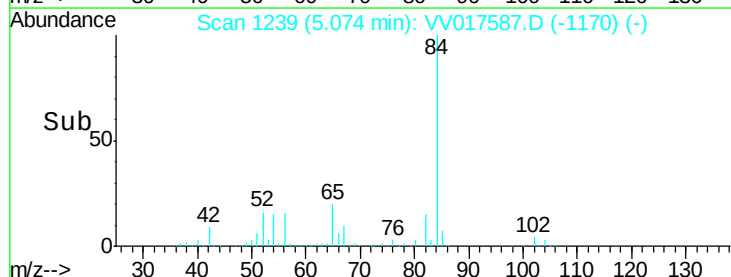
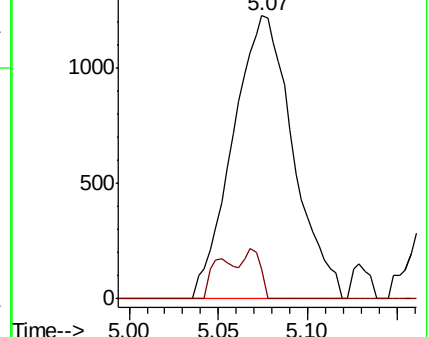
62 100

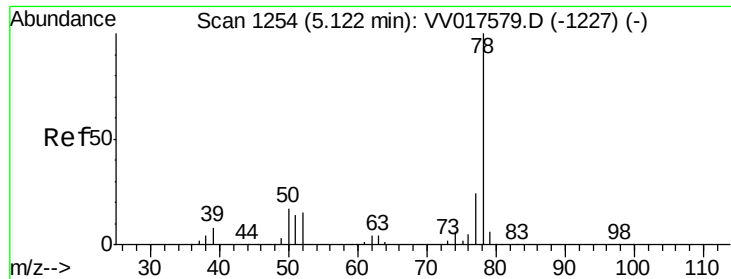
98 10.6 7.1 10.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#33

Benzene

Concen: 0.952 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV017587.D

Acq: 22 Jul 2020 14:15

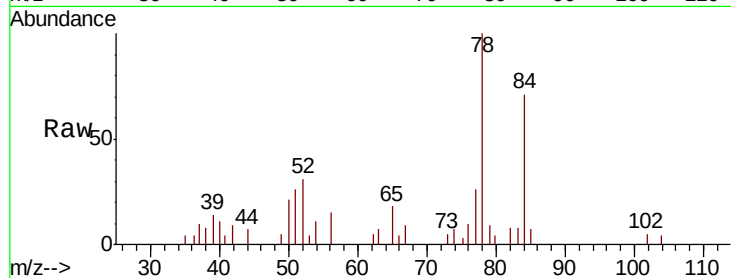
Instrument :

MSVOA_V

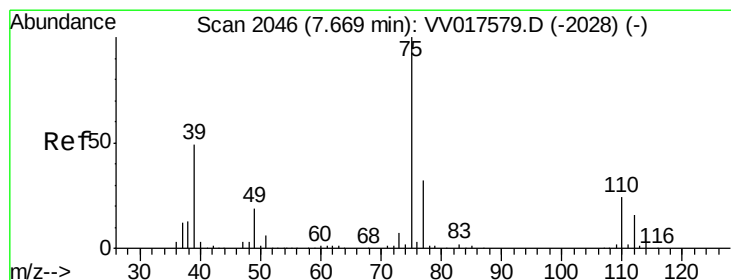
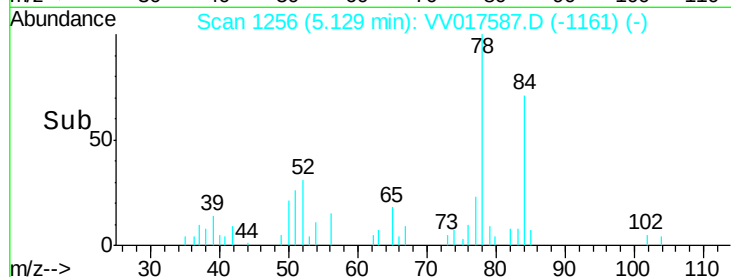
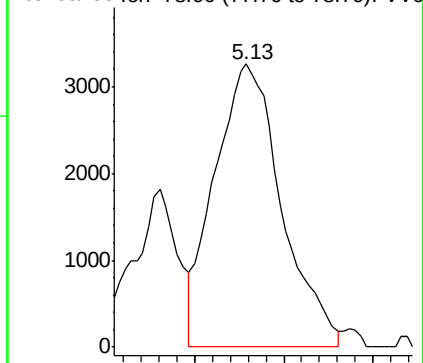
ClientSampleId :

C0F85

Tgt Ion: 78 Resp: 8518



Abundance Ion 78.00 (77.70 to 78.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.955 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017587.D

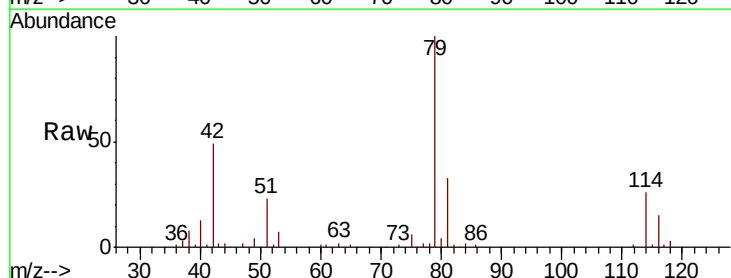
Acq: 22 Jul 2020 14:15

Tgt Ion: 75 Resp: 3655

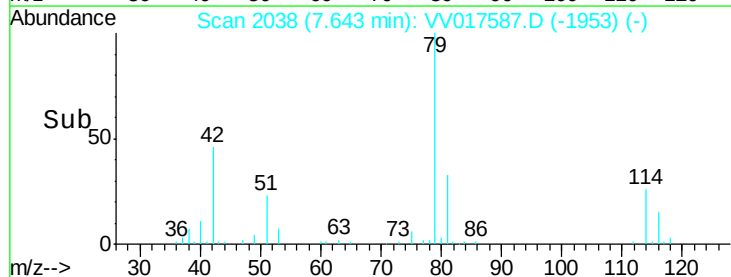
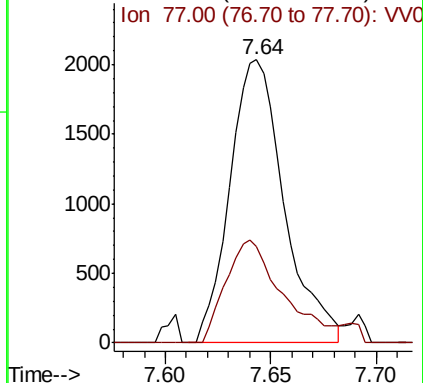
Ion Ratio Lower Upper

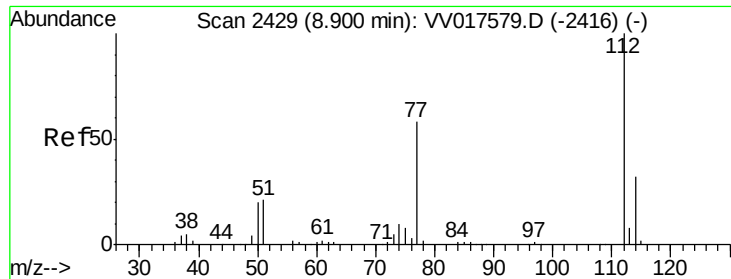
75 100

77 34.1 23.0 42.8



Abundance Ion 75.00 (74.70 to 75.70): VV0





#51

Chlorobenzene

Concen: 27.292 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017587.D

Acq: 22 Jul 2020 14:15

Instrument :

MSVOA_V

ClientSampleId :

C0F85

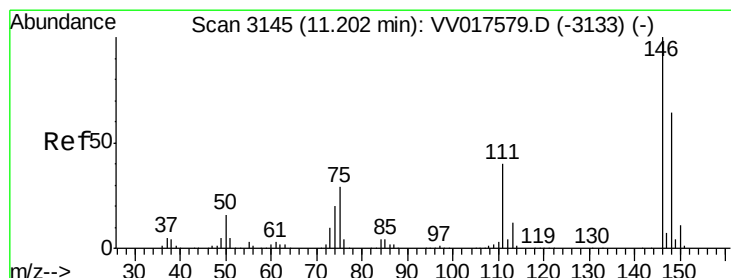
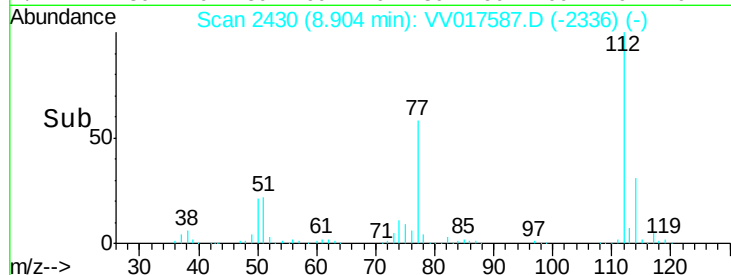
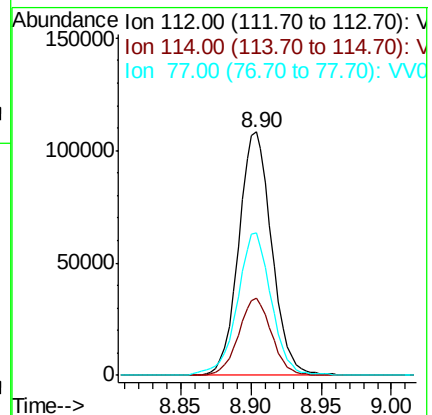
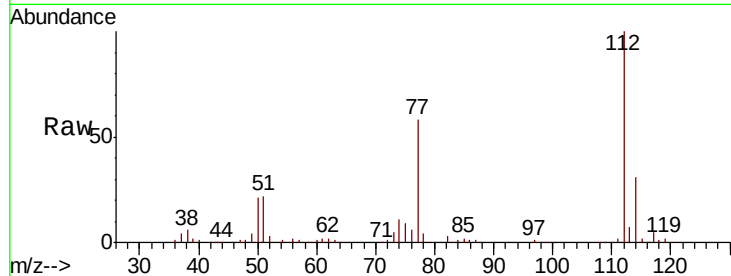
Tot Ion:112 Resp: 178122

Ion Ratio Lower Upper

112 100

114 31.5 21.9 40.7

77 58.4 46.1 69.1



#62

1,3-Dichlorobenzene

Concen: 5.055 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017587.D

Acq: 22 Jul 2020 14:15

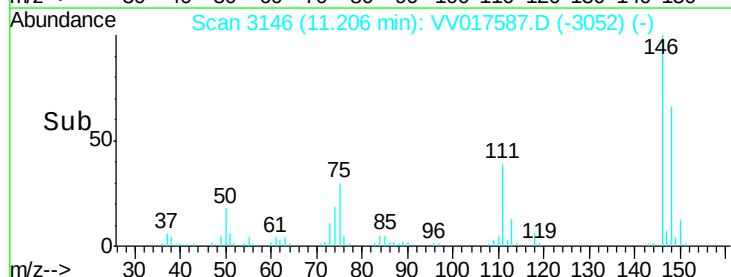
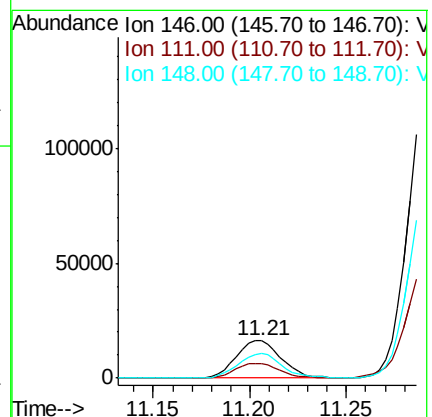
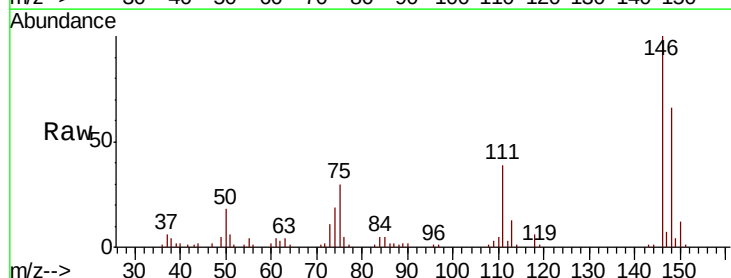
Tgt Ion:146 Resp: 26309

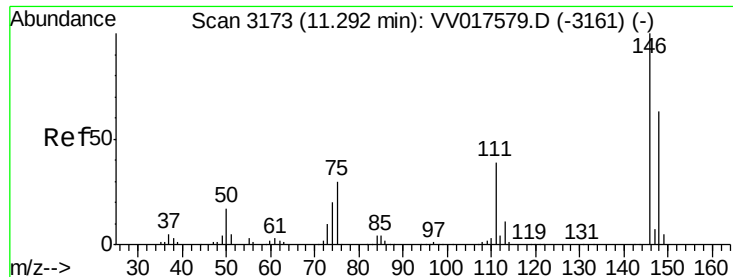
Ion Ratio Lower Upper

146 100

111 39.4 28.2 52.4

148 66.5 44.7 82.9





#63

1,4-Dichlorobenzene

Concen: 41.771 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017587.D

Acq: 22 Jul 2020 14:15

Instrument :

MSVOA_V

ClientSampleId :

C0F85

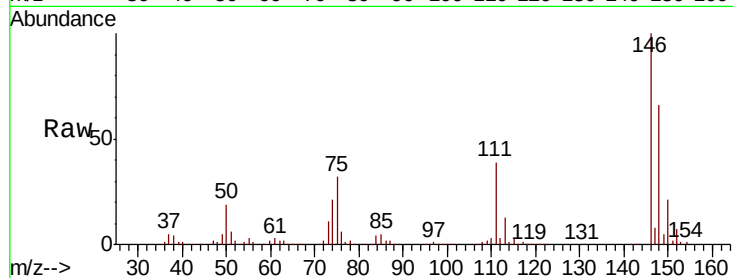
Tot Ion:146 Resp: 221897

Ion Ratio Lower Upper

146 100

111 39.2 27.3 50.7

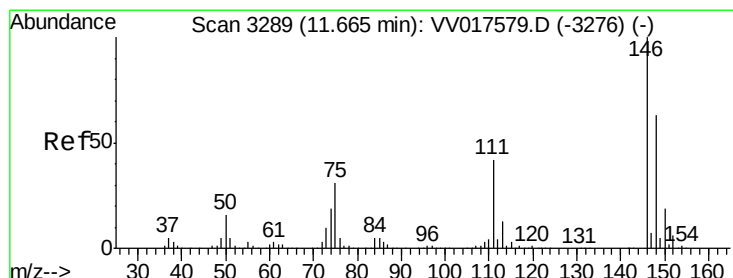
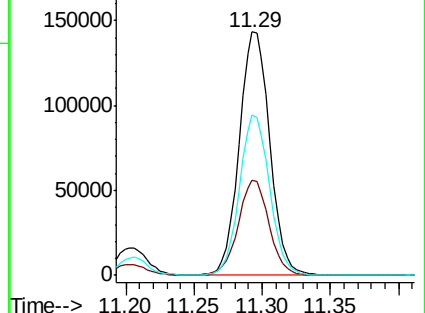
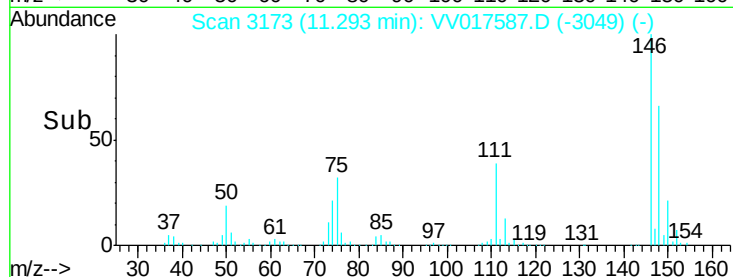
148 65.9 45.1 83.9



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



#65

1,2-Dichlorobenzene

Concen: 181.626 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017587.D

Acq: 22 Jul 2020 14:15

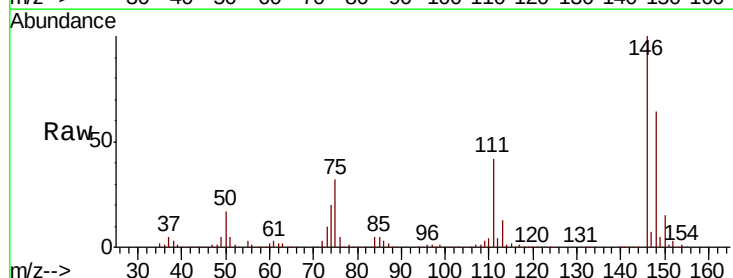
Tgt Ion:146 Resp: 958332

Ion Ratio Lower Upper

146 100

111 41.7 32.9 49.3

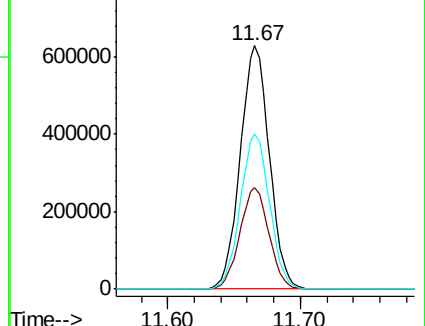
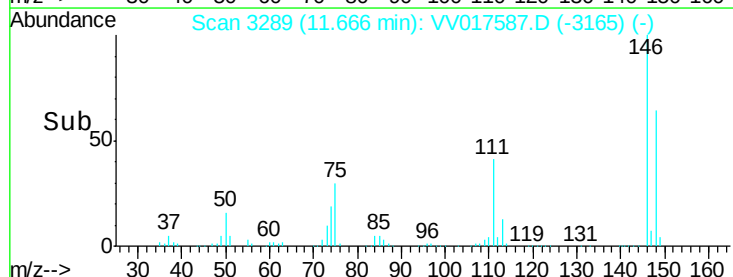
148 64.0 51.0 76.4

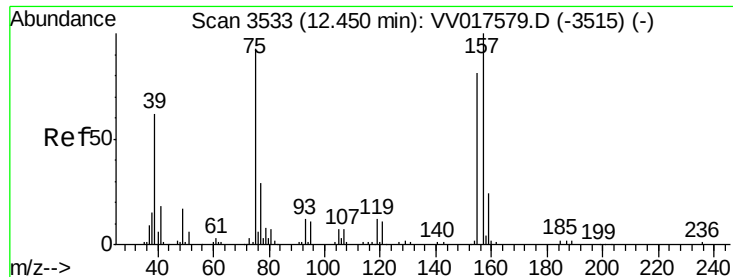


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

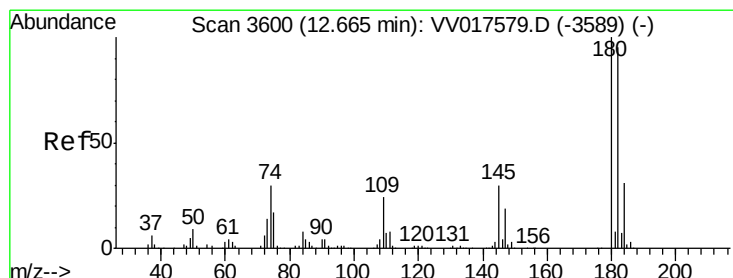
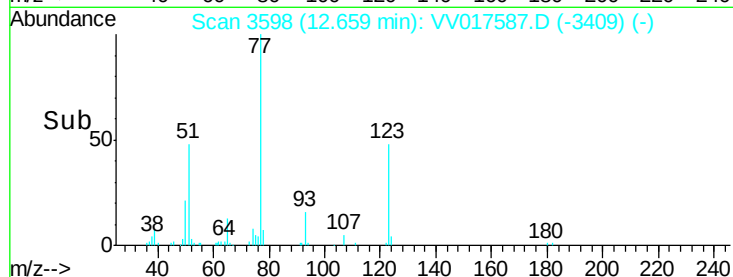
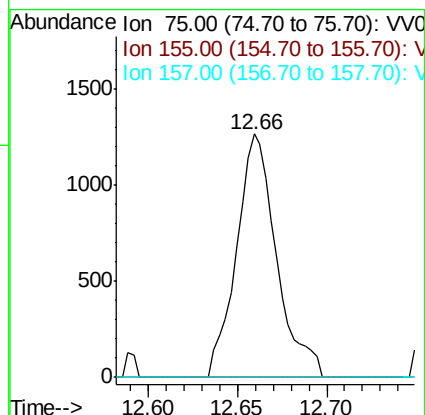
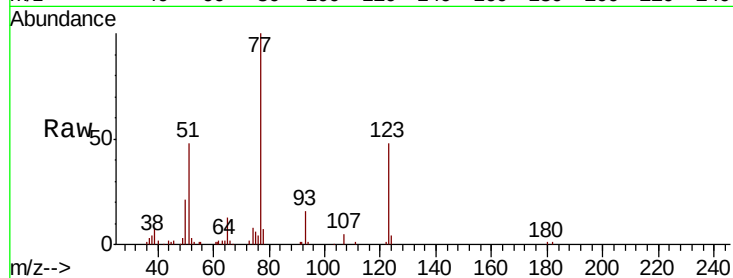




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.259 ug/L
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.21 min
 Lab File: VV017587.D
 Acq: 22 Jul 2020 14:15

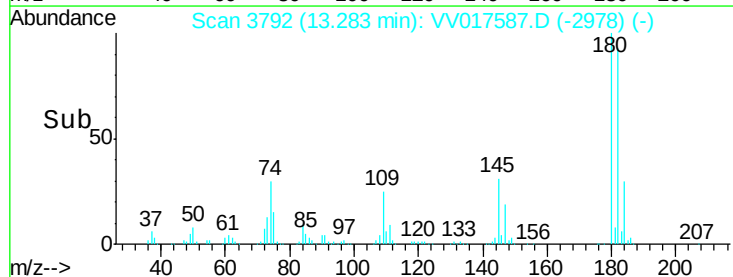
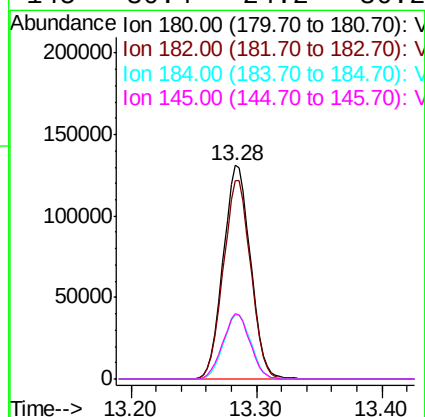
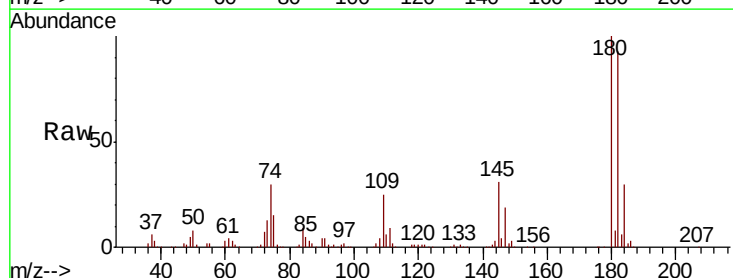
Instrument :
 MSVOA_V
 ClientSampleId :
 C0F85

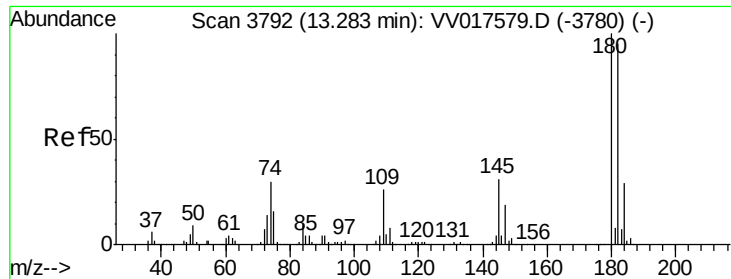
Tot Ion: 75 Resp: 1973
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.2 103.8#
 157 0.0 86.9 130.3#



#67
 1,3,5-Trichlorobenzene
 Concen: 48.148 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV017587.D
 Acq: 22 Jul 2020 14:15

Tgt Ion: 180 Resp: 197830
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.7 115.1
 184 30.2 24.5 36.7
 145 30.4 24.2 36.2

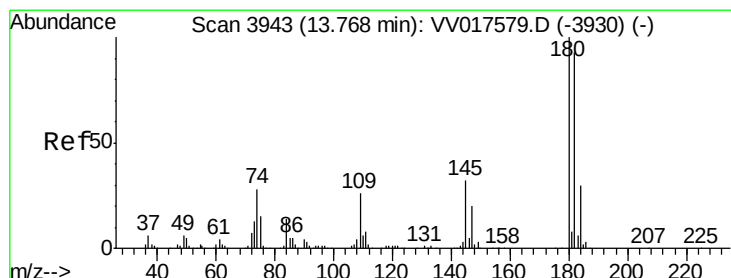
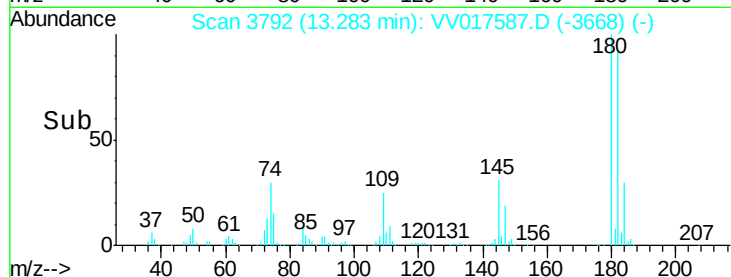
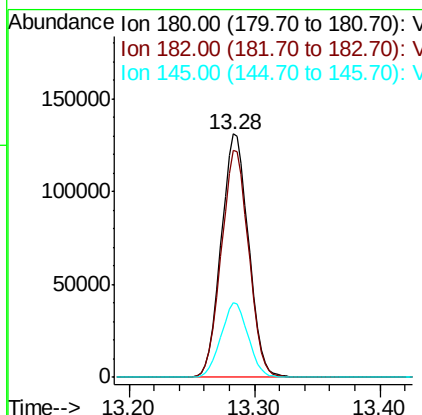
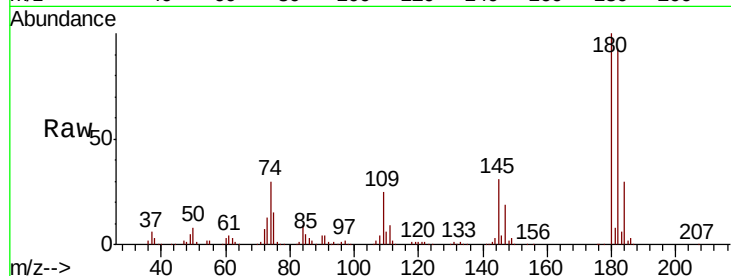




#68
 1,2,4-trichlorobenzene
 Concen: 54.286 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017587.D
 Acq: 22 Jul 2020 14:15

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F85

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.2	114.4
145	30.4	24.1	36.1



#70
 1,2,3-Trichlorobenzene
 Concen: 37.708 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017587.D
 Acq: 22 Jul 2020 14:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.8
145	32.2	25.5	38.3

