

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062620\
 Data File : VV017208.D
 Acq On : 27 Jun 2020 02:43
 Operator : SY/MD
 Sample : L3118-05 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 27 03:33:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 27 03:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	360553	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	340110	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168837	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97578	38.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.70%
7) Chloroethane-d5	1.58	69	62903	41.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.42%
11) 1,1-Dichloroethene-d2	2.12	63	155475	36.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.78%
21) 2-Butanone-d5	3.90	46	153758	81.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.66%
24) Chloroform-d	4.38	84	226183	43.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.44%
26) 1,2-Dichloroethane-d4	5.06	65	167170	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.02%
32) Benzene-d6	5.08	84	427917	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.30%
36) 1,2-Dichloropropane-d6	6.09	67	127502	41.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.44%
41) Toluene-d8	7.34	98	386794	42.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.98%
43) trans-1,3-Dichloropropene-	7.64	79	66499	41.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.56%
47) 2-Hexanone-d5	8.11	63	104459	78.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.40%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	171365	42.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.72%
64) 1,2-Dichlorobenzene-d4	11.65	152	169531	47.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.10%

Target Compounds

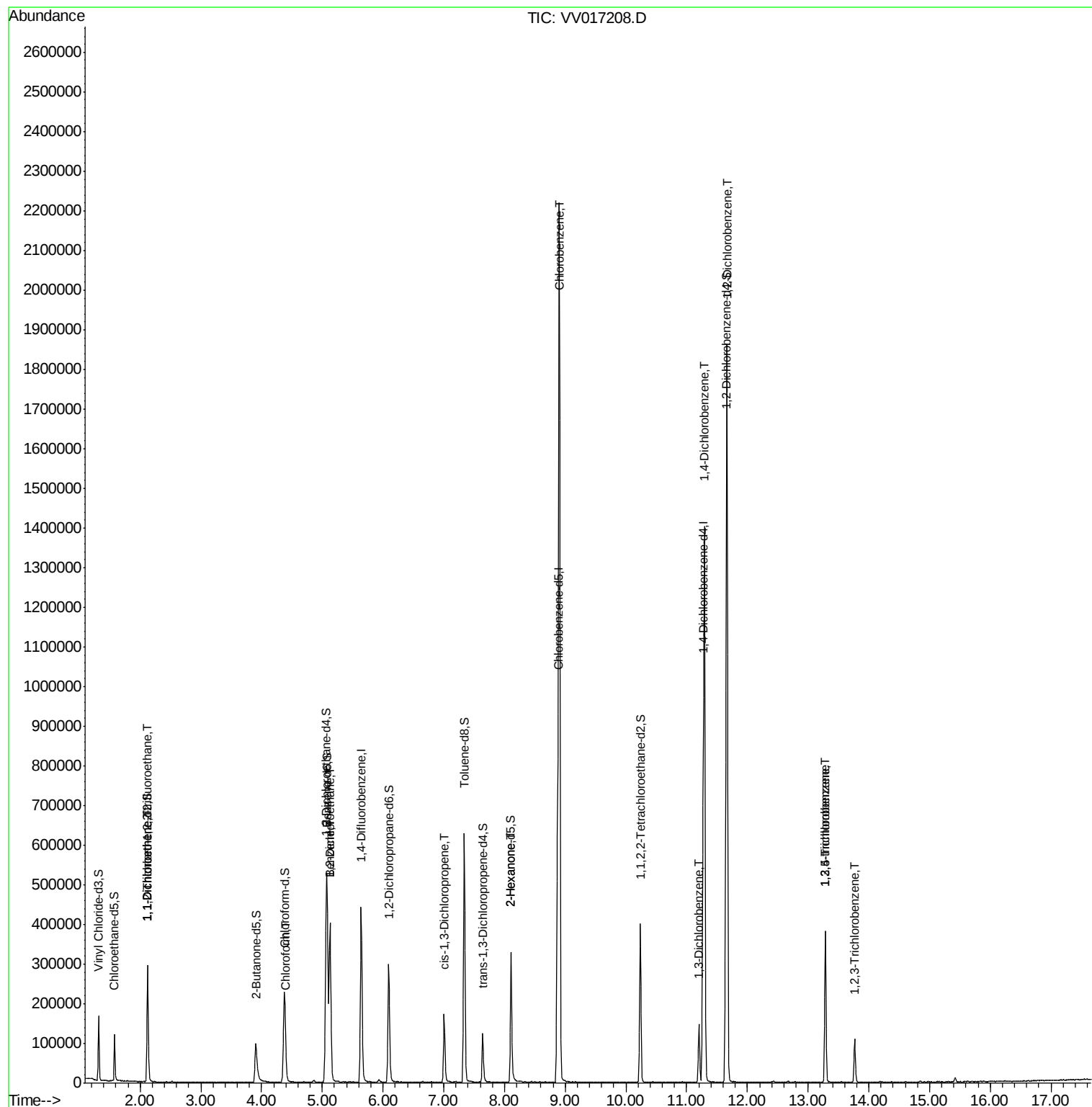
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1345	0.702	ug/L #	21
12) 1,1-Dichloroethene	2.13	96	1362	0.761	ug/L #	1
25) Chloroform	4.41	83	5697	1.207	ug/L	83
27) 1,2-Dichloroethane	5.13	62	4122	1.042	ug/L #	74
33) Benzene	5.13	78	390158	38.772	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	4980	1.225	ug/L	94
48) 2-Hexanone	8.11	43	15153	5.270	ug/L #	68
51) Chlorobenzene	8.90	112	1105726	159.763	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	56290	10.526	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	523507	96.215	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	656821	122.562	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	110970	27.828	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	110970	30.339	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	31944	8.926	ug/L	98

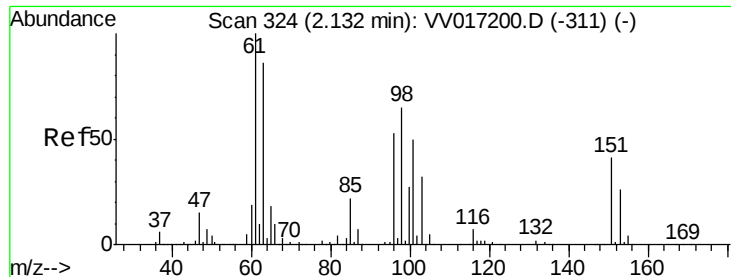
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jun 27 03:31:05 2020
Response via : Initial Calibration





#10

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

Concen: 0.702 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017208.D

Acq: 27 Jun 2020 02:43

Instrument :

MSVOA_V

ClientSampleId :

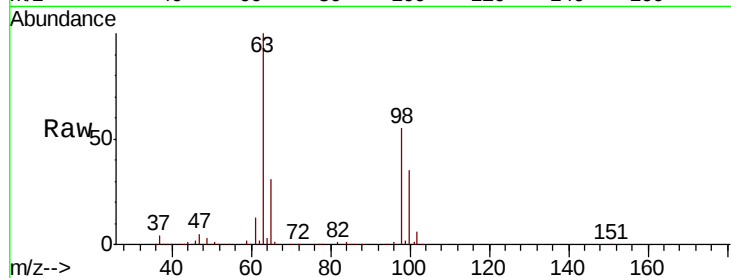
Tot Ion:101 Resp: 1345

Ion Ratio Lower Upper

101 100

85 3.4 35.5 53.3#

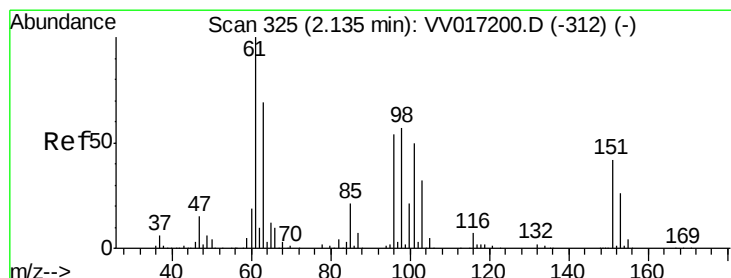
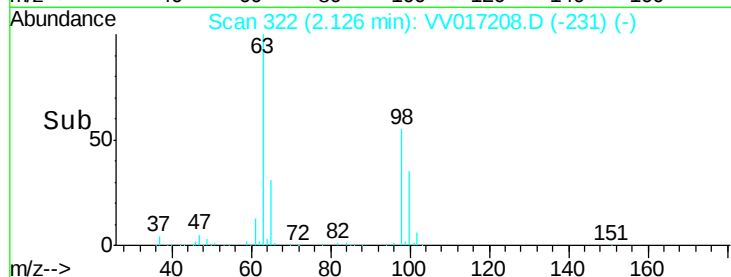
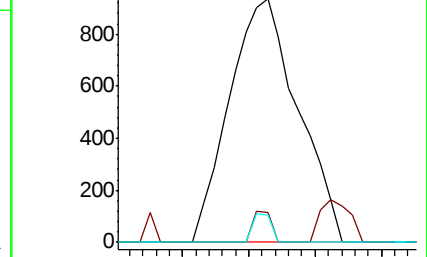
151 3.1 63.9 95.9#



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: 0.761 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017208.D

Acq: 27 Jun 2020 02:43

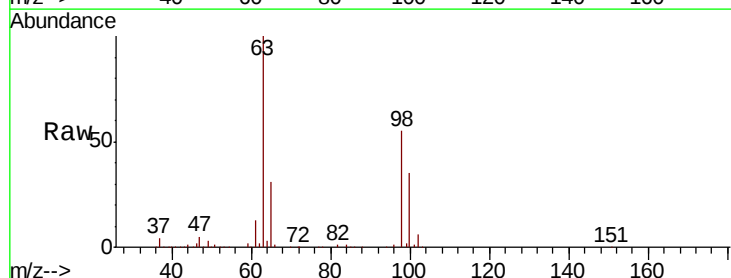
Tgt Ion: 96 Resp: 1362

Ion Ratio Lower Upper

96 100

61 1363.9 130.4 242.2#

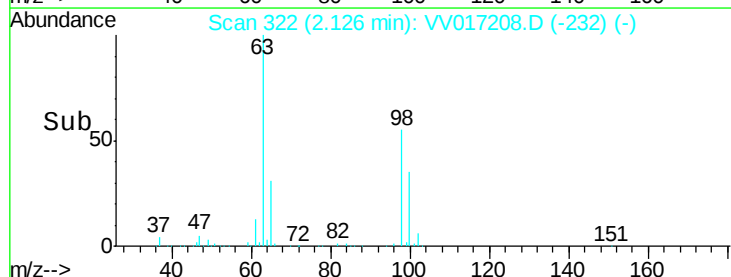
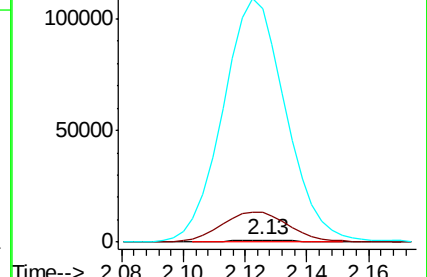
63 10702.1 103.3 191.9#

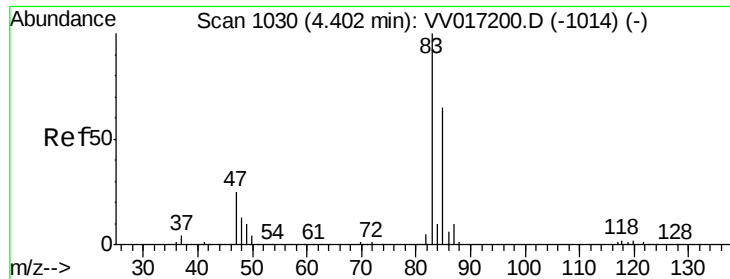


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

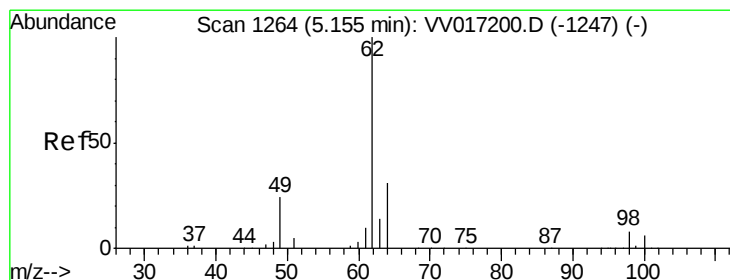
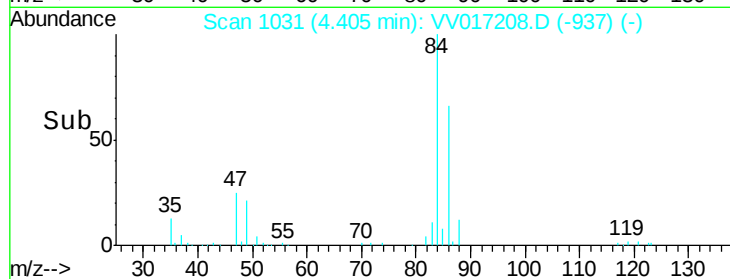
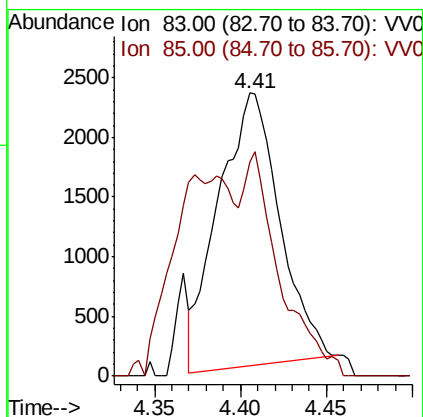
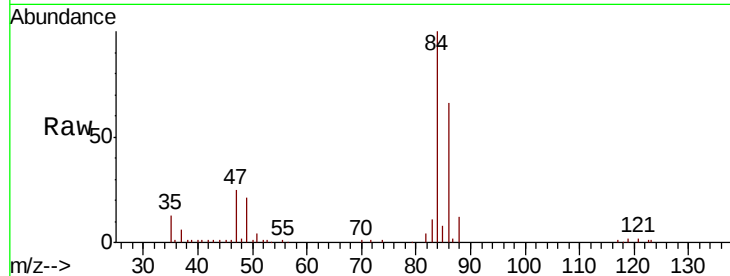




#25
Chloroform
Concen: 1.207 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV017208.D
Acq: 27 Jun 2020 02:43

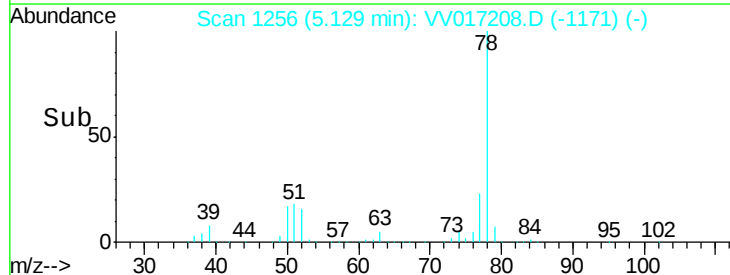
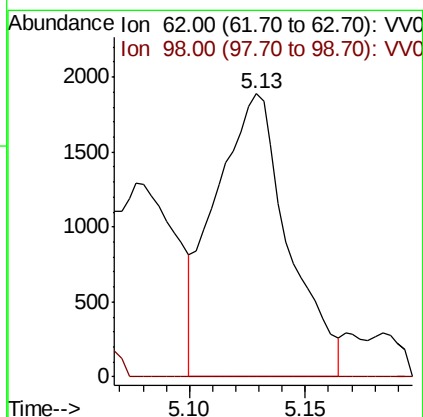
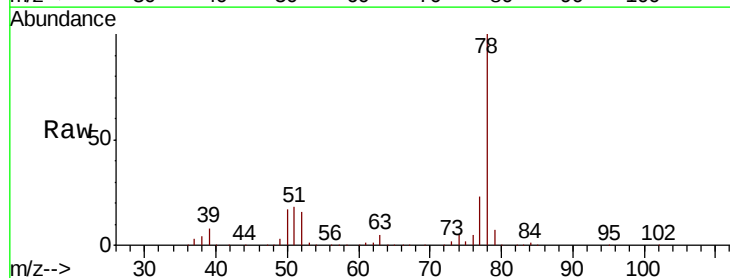
Instrument :
MSVOA_V
ClientSampled :

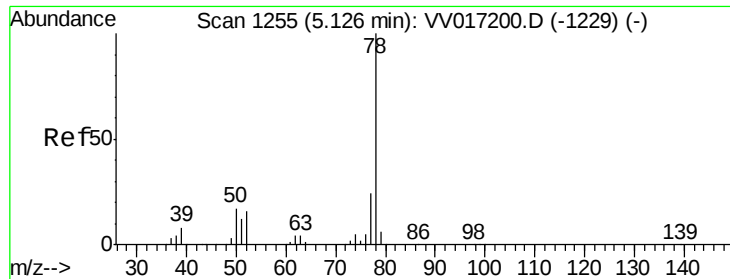
Tot Ion: 83 Resp: 5697
Ion Ratio Lower Upper
83 100
85 75.9 44.1 81.9



#27
1,2-Dichloroethane
Concen: 1.042 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.03 min
Lab File: VV017208.D
Acq: 27 Jun 2020 02:43

Tgt Ion: 62 Resp: 4122
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#

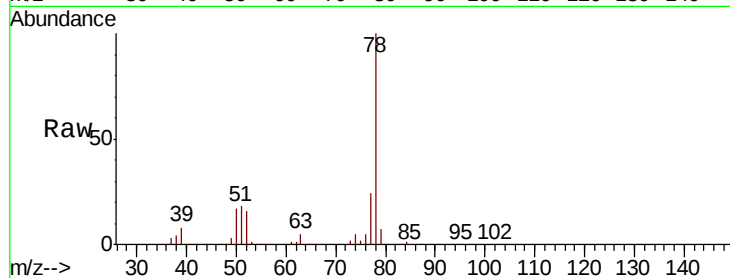




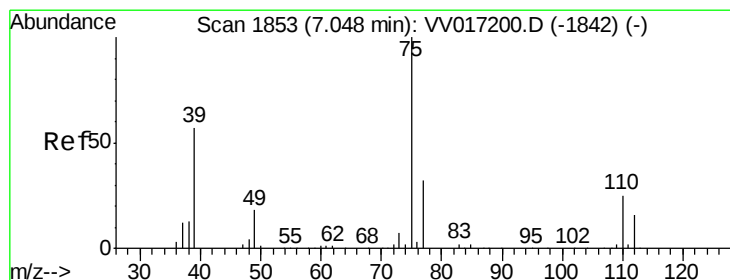
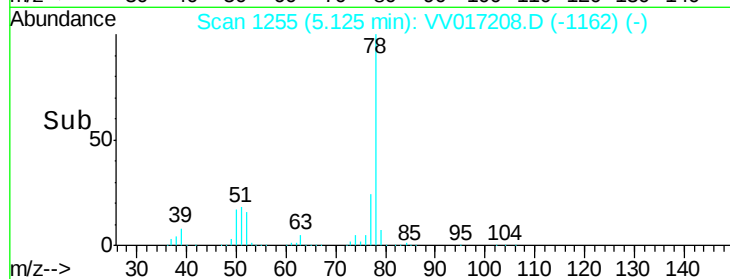
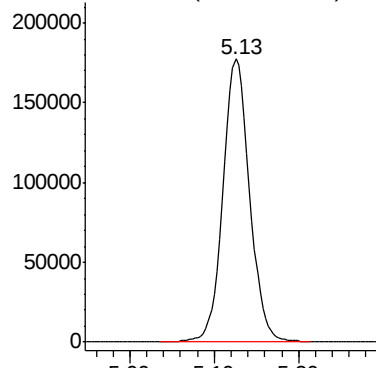
#33
Benzene
Concen: 38.772 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV017208.D
Acq: 27 Jun 2020 02:43

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 390158

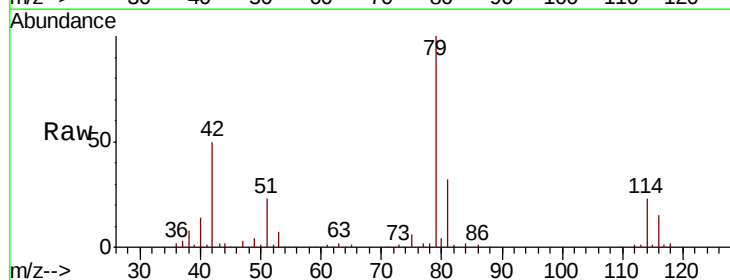


Abundance Ion 78.00 (77.70 to 78.70): VV0



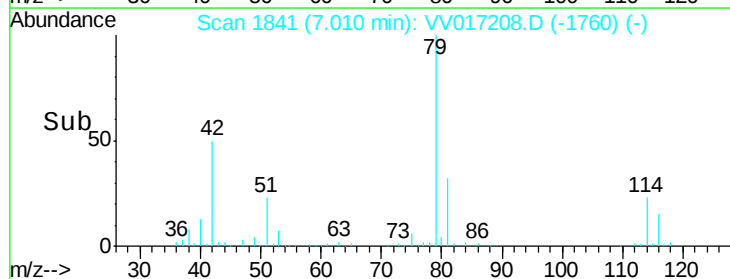
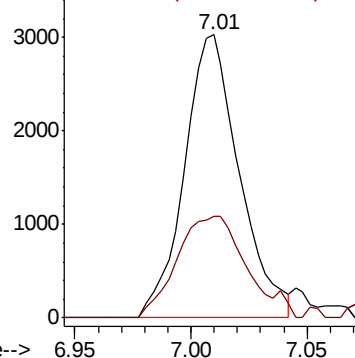
#39
cis-1,3-Dichloropropene
Concen: 1.225 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017208.D
Acq: 27 Jun 2020 02:43

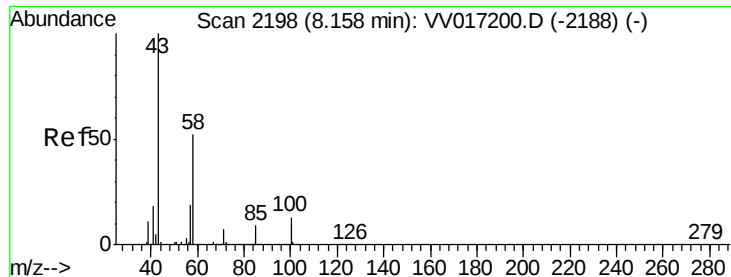
Tgt Ion: 75 Resp: 4980
Ion Ratio Lower Upper
75 100
77 36.0 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

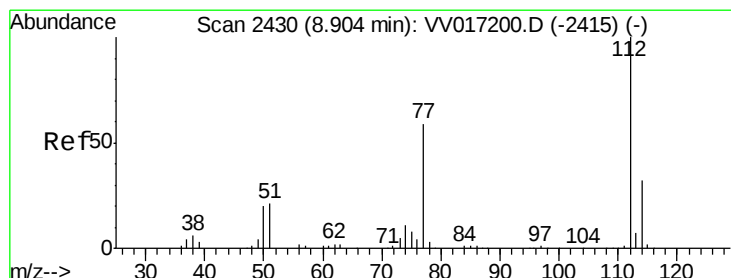
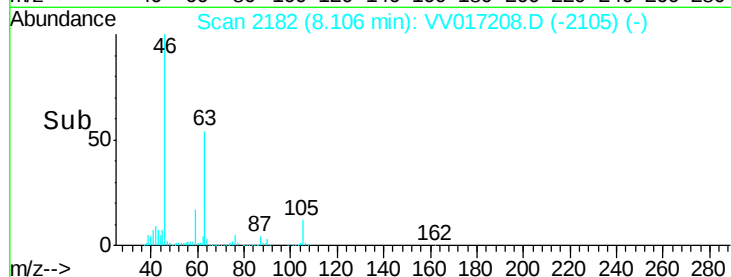
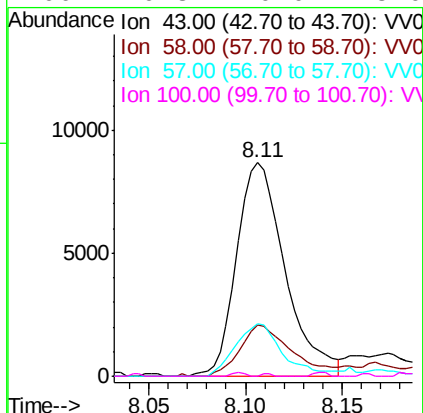
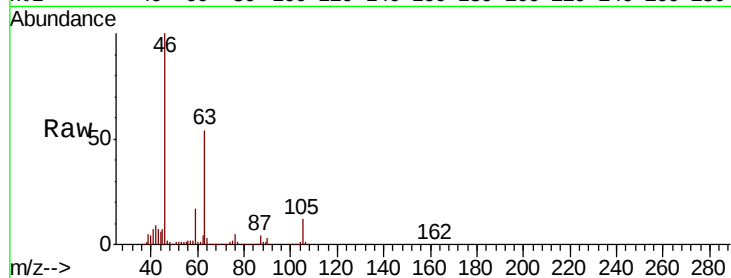




#48
2-Hexanone
Concen: 5.270 ug/L
RT: 8.11 min Scan# 2182
Delta R.T. -0.05 min
Lab File: VV017208.D
Acq: 27 Jun 2020 02:43

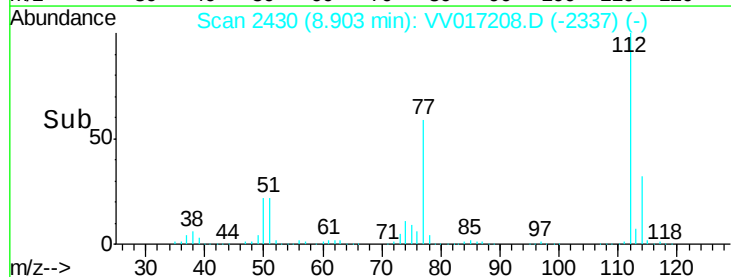
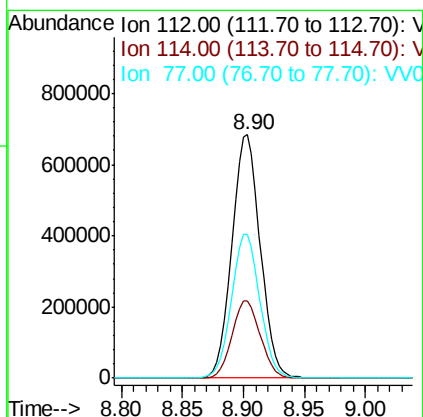
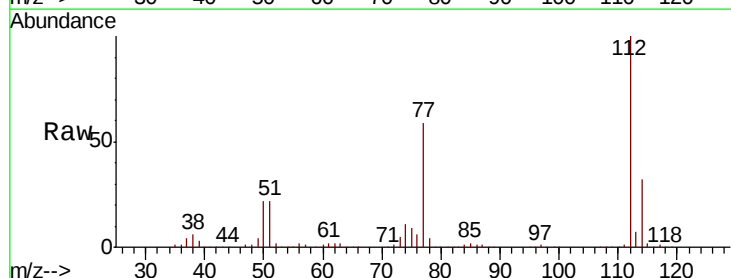
Instrument :
MSVOA_V
ClientSampleId :

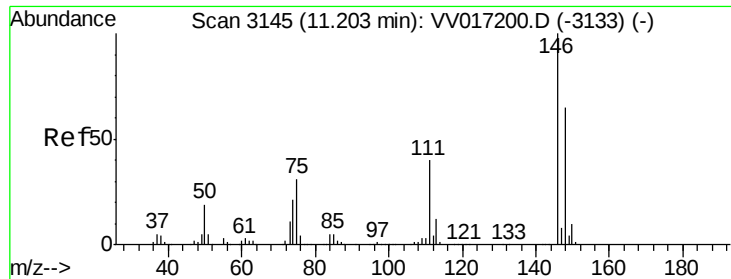
Tot Ion: 43 Resp: 15153
Ion Ratio Lower Upper
43 100
58 25.2 43.1 64.7#
57 23.4 15.3 22.9#
100 0.3 10.0 15.0#



#51
Chlorobenzene
Concen: 159.763 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV017208.D
Acq: 27 Jun 2020 02:43

Tgt Ion: 112 Resp: 1105726
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.3
77 59.0 47.9 71.9





#62

1,3-Dichlorobenzene

Concen: 10.526 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017208.D

Acq: 27 Jun 2020 02:43

Instrument :

MSVOA_V

ClientSampleId :

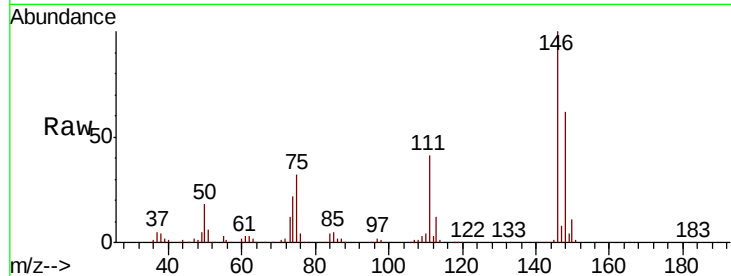
Tot Ion:146 Resp: 56290

Ion Ratio Lower Upper

146 100

111 41.0 28.3 52.7

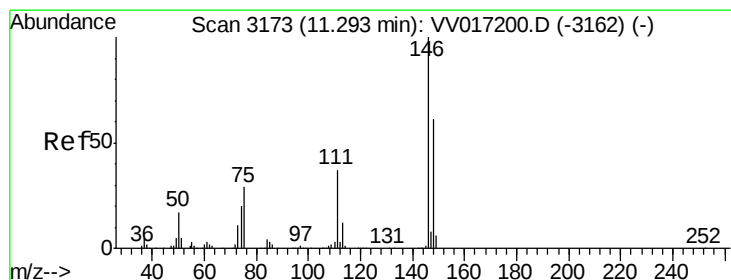
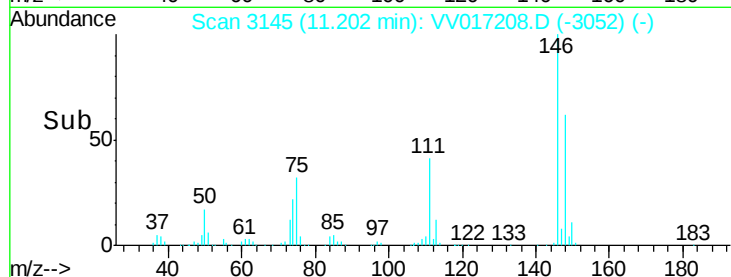
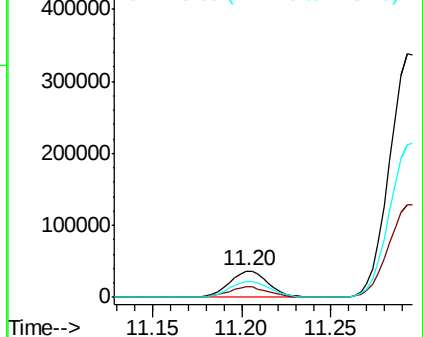
148 61.5 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 96.215 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017208.D

Acq: 27 Jun 2020 02:43

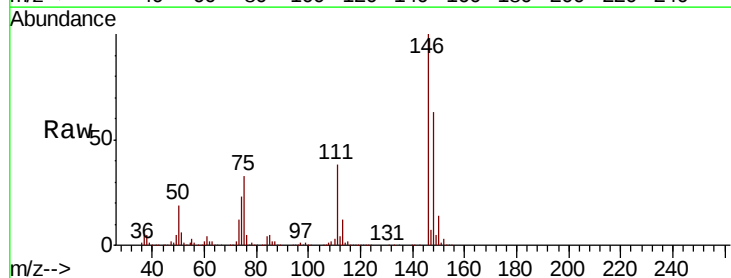
Tgt Ion:146 Resp: 523507

Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.7

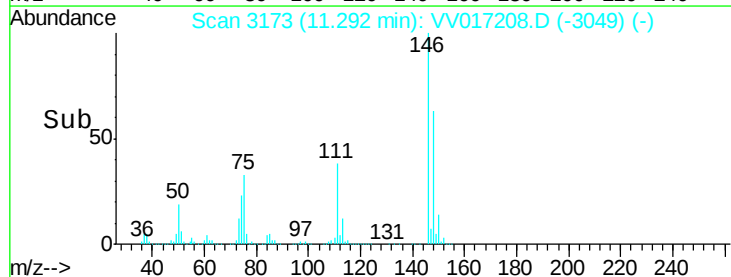
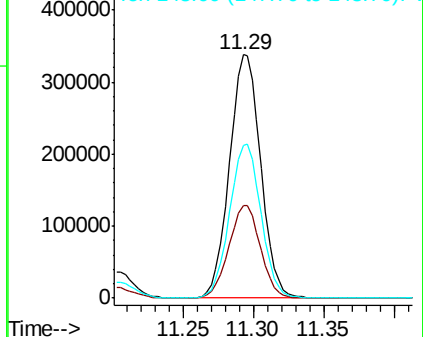
148 62.9 43.5 80.9

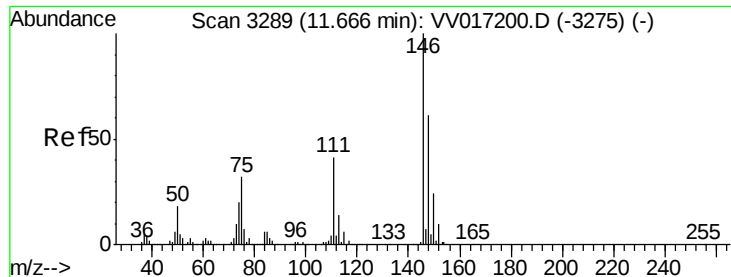


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 122.562 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017208.D

Acq: 27 Jun 2020 02:43

Instrument :

MSVOA_V

ClientSampled :

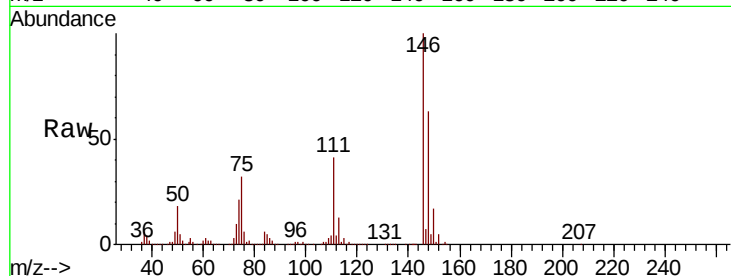
Tot Ion:146 Resp: 656821

Ion Ratio Lower Upper

146 100

111 41.4 33.7 50.5

148 62.9 50.7 76.1

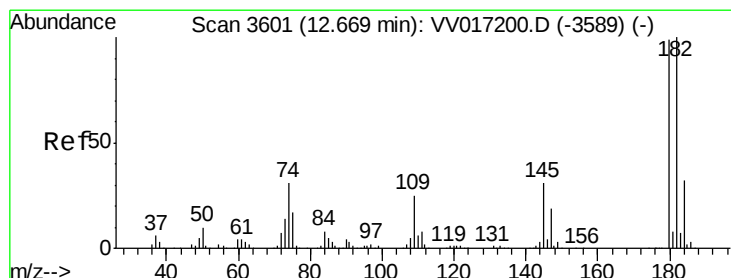
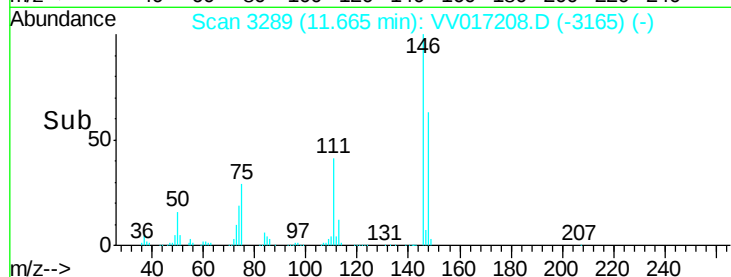
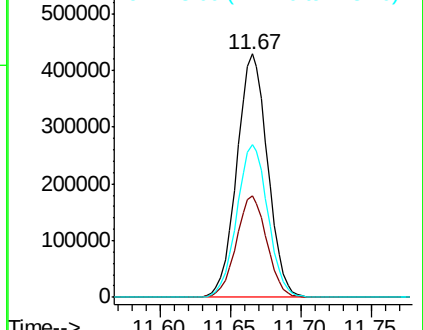


Abundance

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: 27.828 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV017208.D

Acq: 27 Jun 2020 02:43

Tgt Ion:180 Resp: 110970

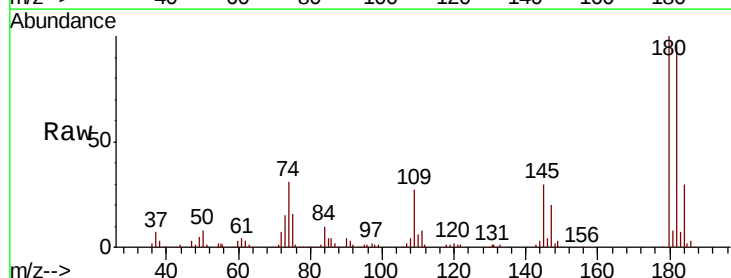
Ion Ratio Lower Upper

180 100

182 96.6 75.0 112.6

184 30.3 24.5 36.7

145 30.7 24.4 36.6



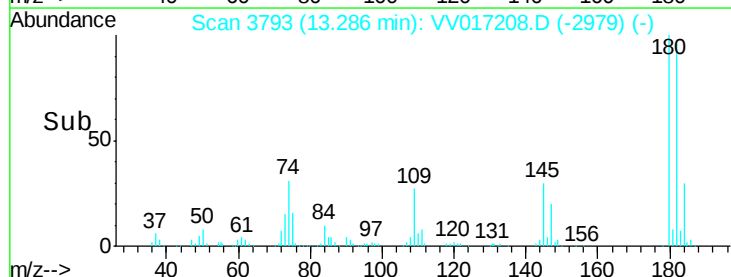
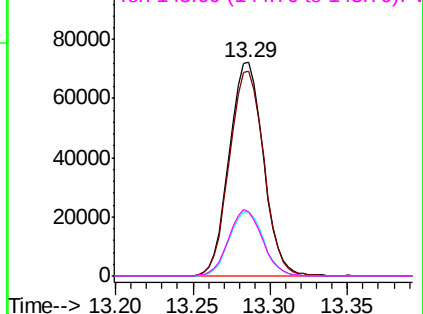
Abundance

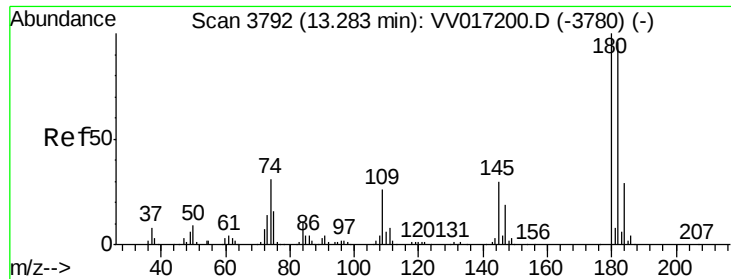
Ion 180.00 (179.70 to 180.70): V

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

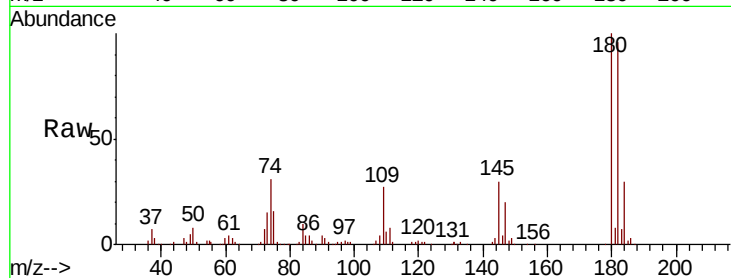




#68
 1,2,4-trichlorobenzene
 Concen: 30.339 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017208.D
 Acq: 27 Jun 2020 02:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.9	115.3
145	30.7	25.2	37.8

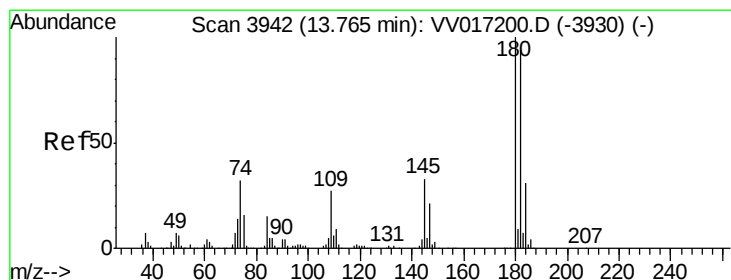
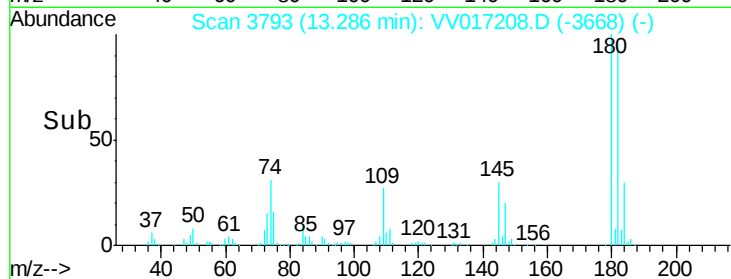
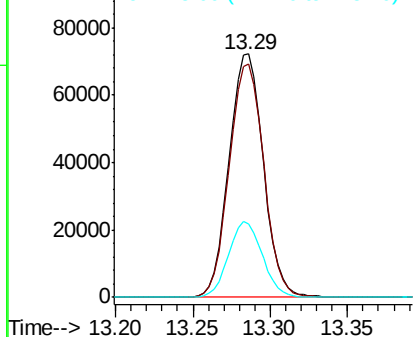


Abundance

Ion 180.00 (179.70 to 180.70): V

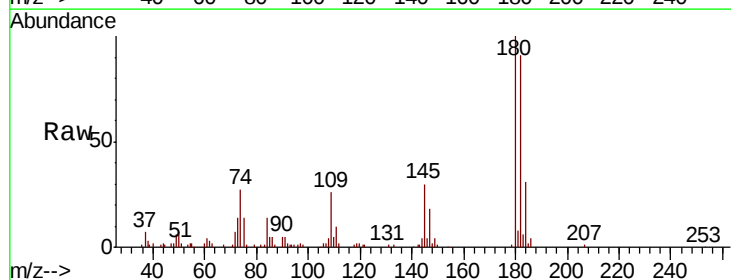
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 8.926 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017208.D
 Acq: 27 Jun 2020 02:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.5	114.7
145	30.4	26.1	39.1



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

