

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062620\
 Data File : VV017207.D
 Acq On : 27 Jun 2020 02:20
 Operator : SY/MD
 Sample : L3118-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 27 03:33:36 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	344008	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	334422	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	162649	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	94289	38.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.68%
7) Chloroethane-d5	1.58	69	63961	43.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.82%
11) 1,1-Dichloroethene-d2	2.12	63	149115	36.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.16%
21) 2-Butanone-d5	3.91	46	157621	87.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.73%
24) Chloroform-d	4.38	84	219258	44.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.84%
26) 1,2-Dichloroethane-d4	5.06	65	160011	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
32) Benzene-d6	5.08	84	415849	43.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.28%
36) 1,2-Dichloropropane-d6	6.09	67	125907	41.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.80%
41) Toluene-d8	7.34	98	380941	43.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.12%
43) trans-1,3-Dichloropropene-	7.64	79	62993	40.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.50%
47) 2-Hexanone-d5	8.11	63	101585	77.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	164938	41.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	165109	47.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.14%

Target Compounds

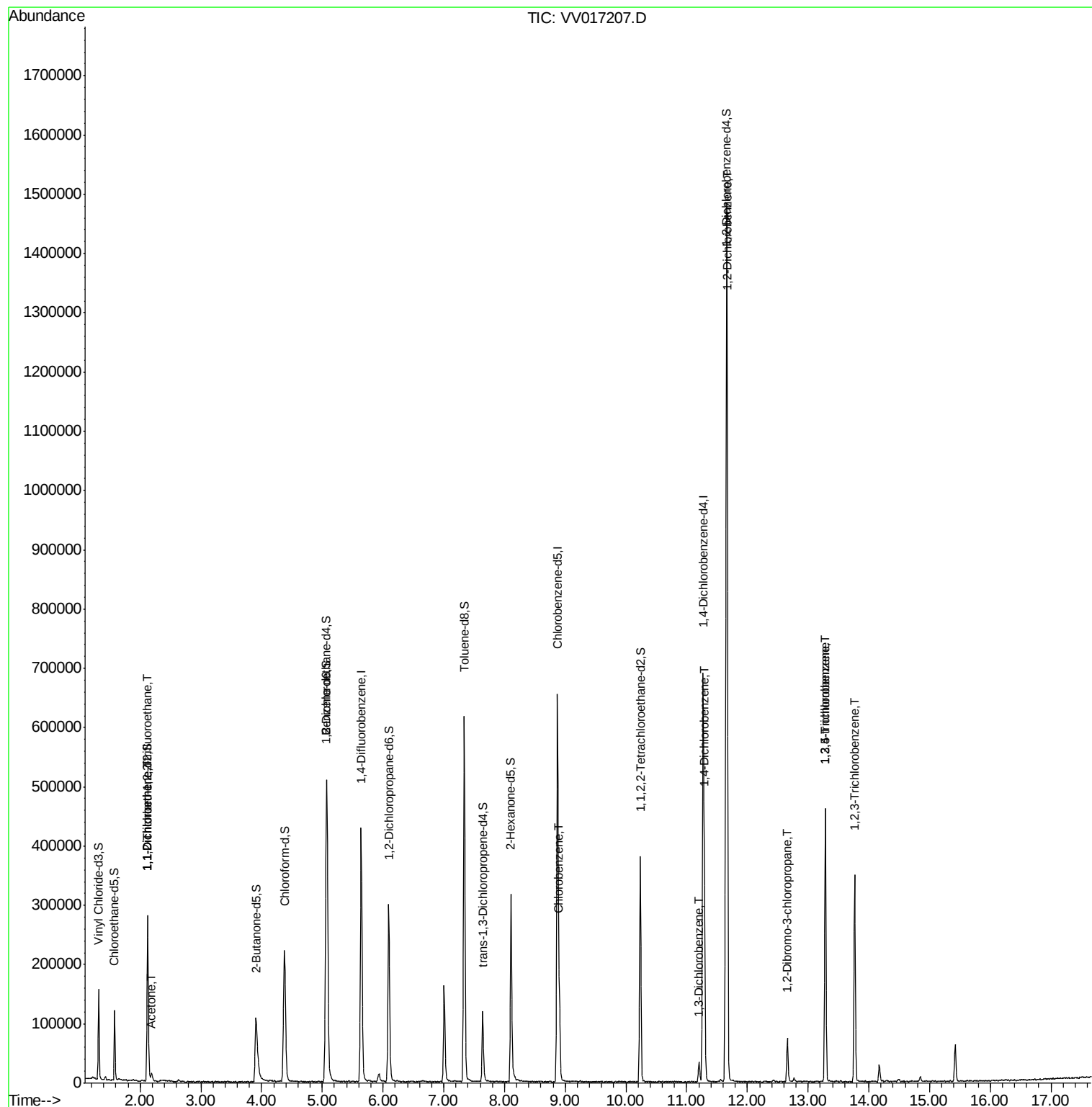
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1461	0.799	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	1287	0.754	ug/L #	1
13) Acetone	2.19	43	15051	12.715	ug/L	91
51) Chlorobenzene	8.90	112	76265	11.207	ug/L	97
62) 1,3-Dichlorobenzene	11.21	146	12596	2.445	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	119002	22.703	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	510144	98.814	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	1821	2.243	ug/L #	2
67) 1,3,5-Trichlorobenzene	13.28	180	129075	33.600	ug/L	97
68) 1,2,4-trichlorobenzene	13.28	180	129075	36.632	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	101755	29.514	ug/L	100

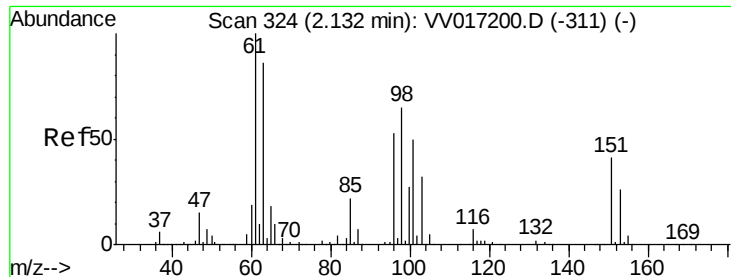
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 27 03:31:05 2020
Response via : Initial Calibration





#10

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

Concen: 0.799 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017207.D

Acq: 27 Jun 2020 02:20

Instrument :

MSVOA_V

ClientSampled :

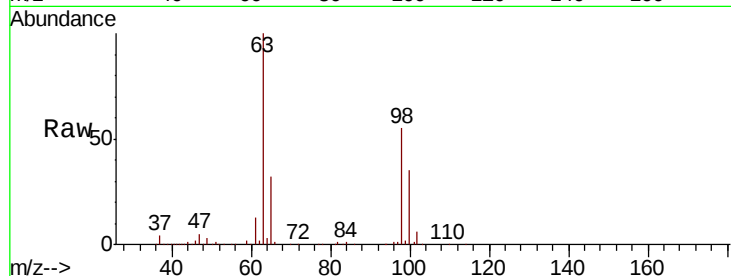
Tot Ion:101 Resp: 1461

Ion Ratio Lower Upper

101 100

85 3.1 35.5 53.3#

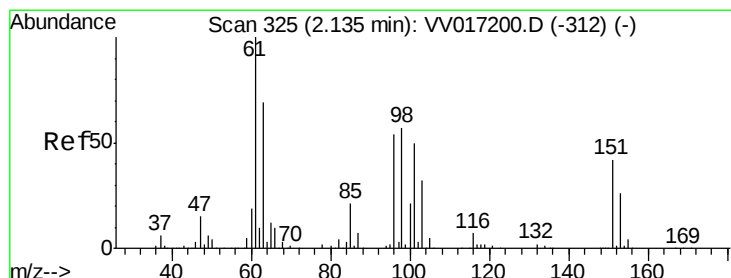
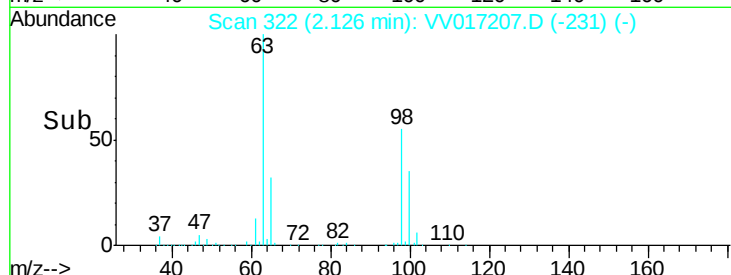
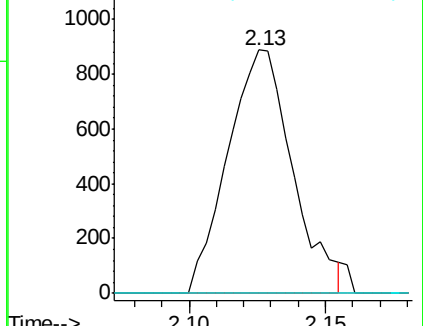
151 0.0 63.9 95.9#



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: 0.754 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017207.D

Acq: 27 Jun 2020 02:20

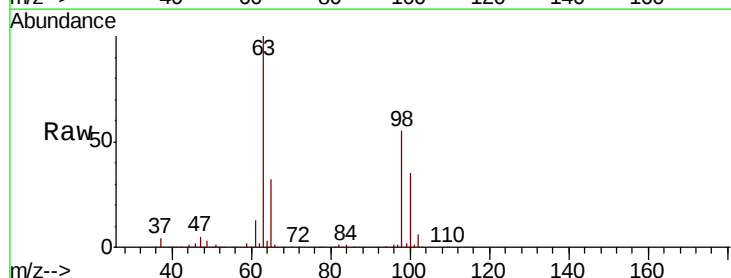
Tgt Ion: 96 Resp: 1287

Ion Ratio Lower Upper

96 100

61 1652.8 130.4 242.2#

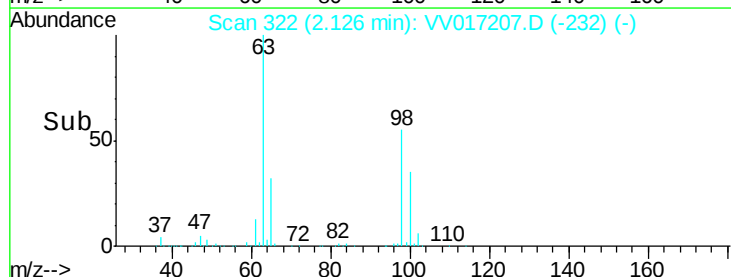
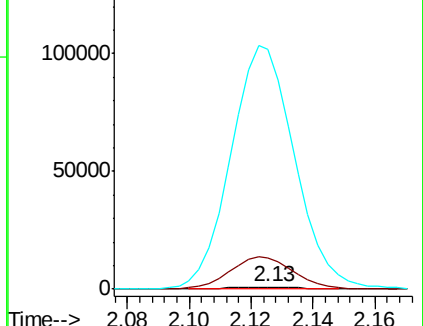
63 12438.7 103.3 191.9#

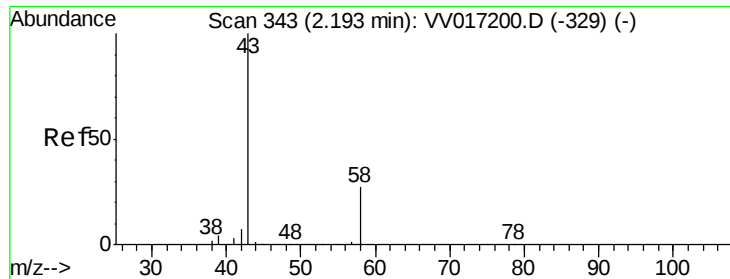


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 12.715 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV017207.D

Acq: 27 Jun 2020 02:20

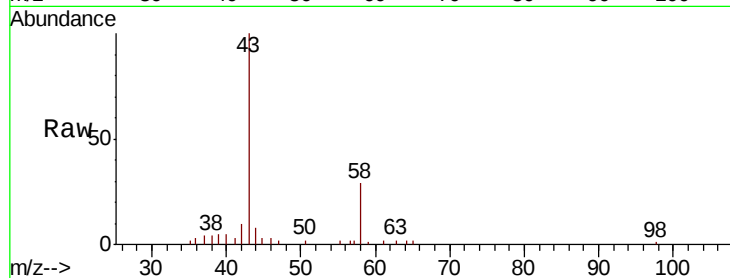
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 15051

Ion Ratio Lower Upper

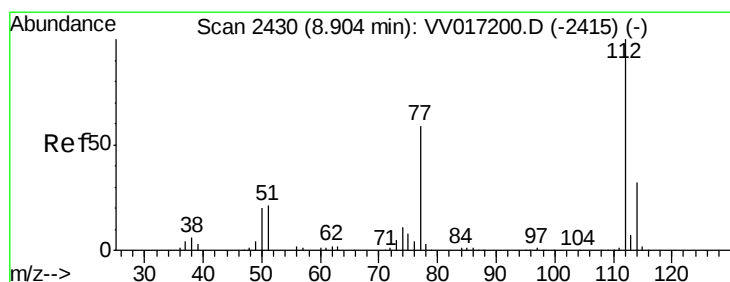
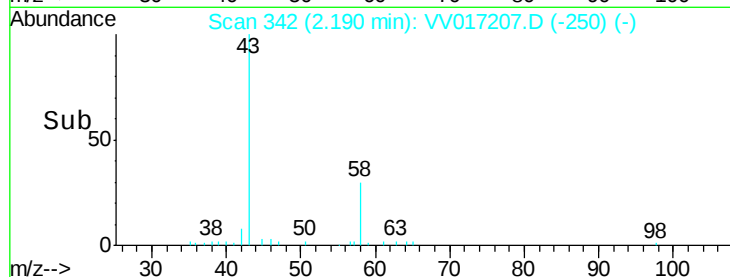
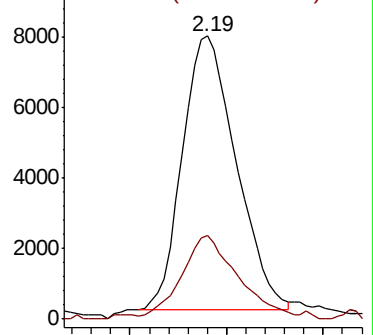
43 100

58 32.2 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV017207.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV017207.D (-250) (-)



#51

Chlorobenzene

Concen: 11.207 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV017207.D

Acq: 27 Jun 2020 02:20

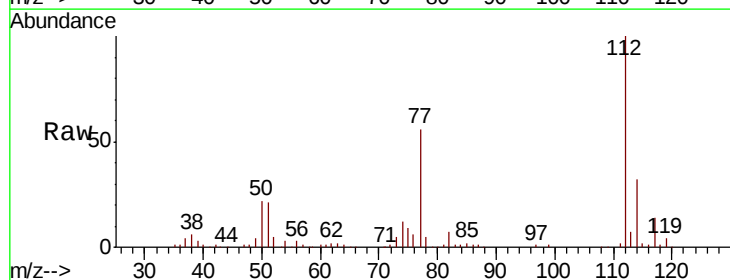
Tgt Ion: 112 Resp: 76265

Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.3

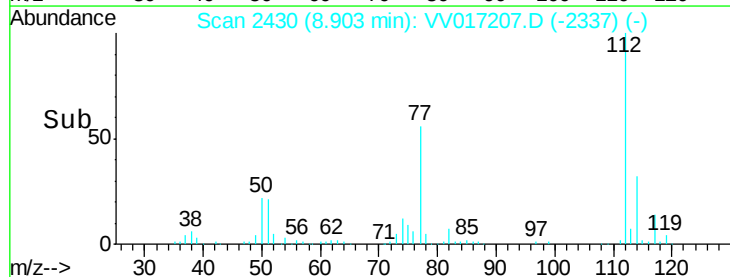
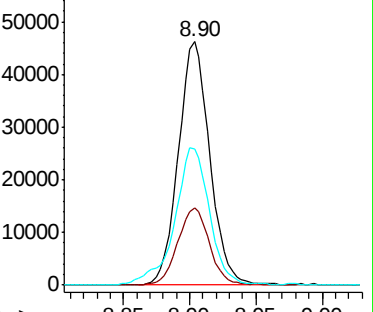
77 56.1 47.9 71.9

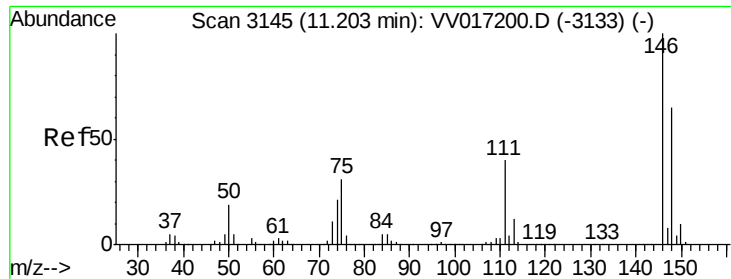


Abundance Ion 112.00 (111.70 to 112.70): VV017207.D (-2337) (-)

Ion 114.00 (113.70 to 114.70): VV017207.D (-2337) (-)

Ion 77.00 (76.70 to 77.70): VV017207.D (-2337) (-)





#62

1,3-Dichlorobenzene

Concen: 2.445 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017207.D

Acq: 27 Jun 2020 02:20

Instrument :

MSVOA_V

ClientSampled :

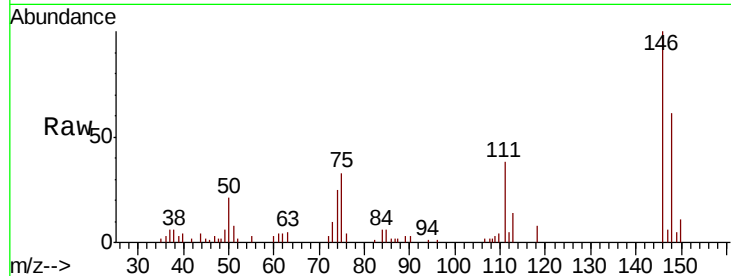
Tot Ion:146 Resp: 12596

Ion Ratio Lower Upper

146 100

111 38.3 28.3 52.7

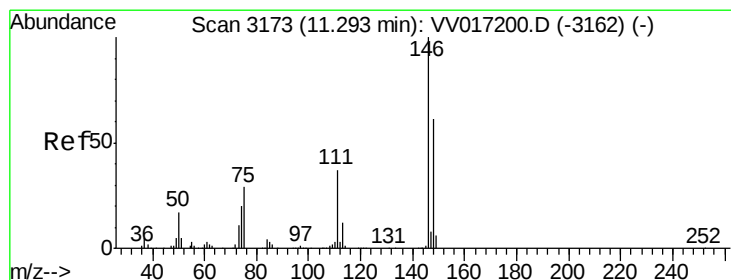
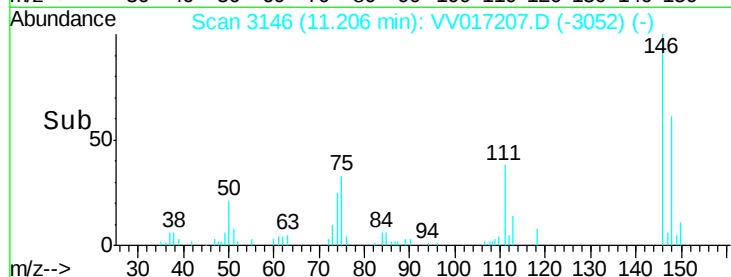
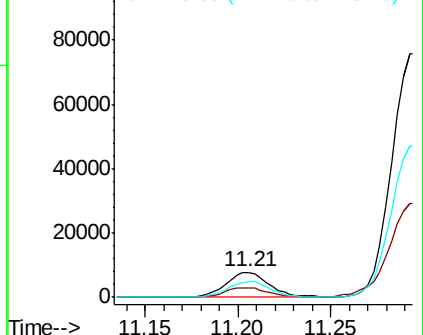
148 61.5 44.2 82.2



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: 22.703 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017207.D

Acq: 27 Jun 2020 02:20

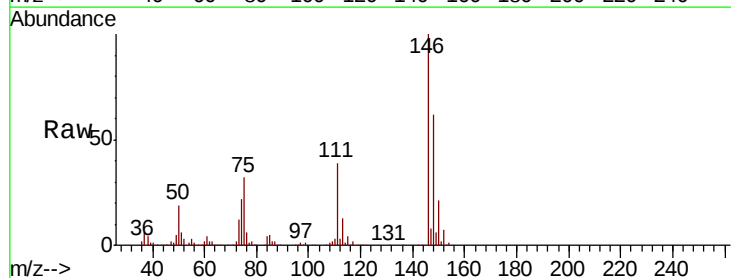
Tgt Ion:146 Resp: 119002

Ion Ratio Lower Upper

146 100

111 38.5 26.7 49.7

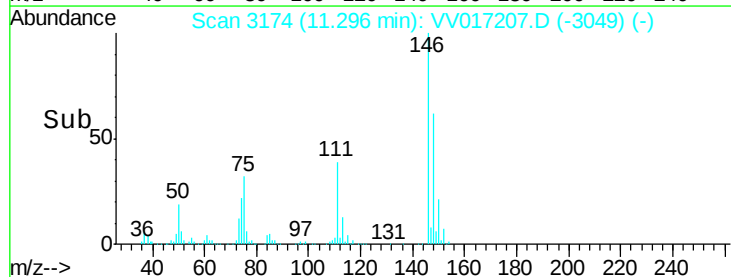
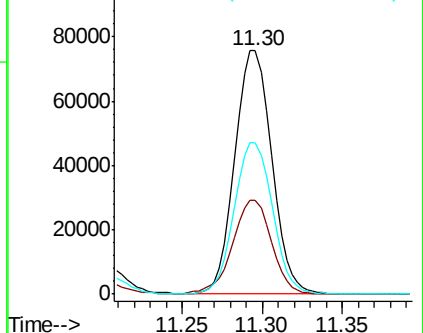
148 62.0 43.5 80.9

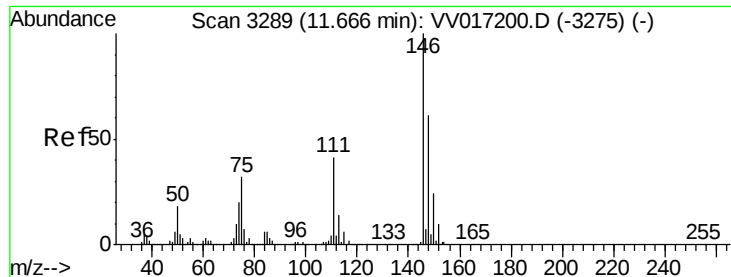


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 98.814 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017207.D

Acq: 27 Jun 2020 02:20

Instrument :

MSVOA_V

ClientSampleId :

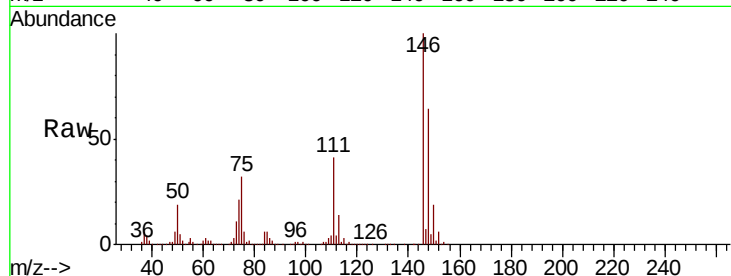
Tot Ion:146 Resp: 510144

Ion Ratio Lower Upper

146 100

111 41.3 33.7 50.5

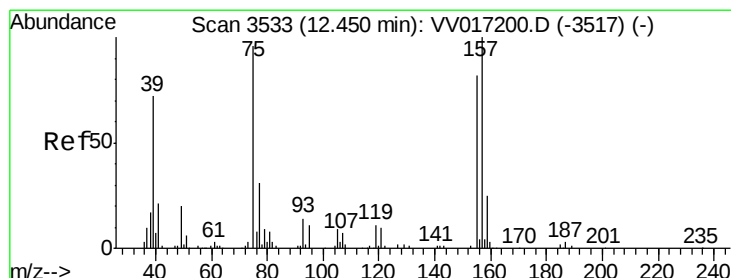
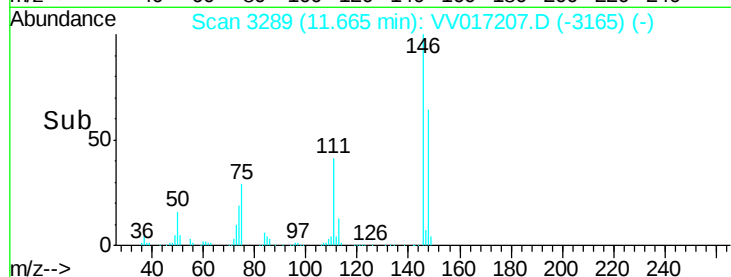
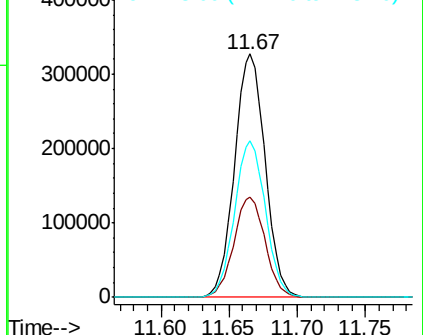
148 64.2 50.7 76.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 2.243 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. 0.21 min

Lab File: VV017207.D

Acq: 27 Jun 2020 02:20

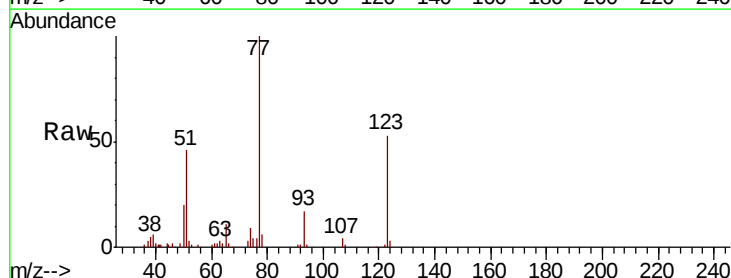
Tgt Ion: 75 Resp: 1821

Ion Ratio Lower Upper

75 100

155 0.0 69.8 104.6#

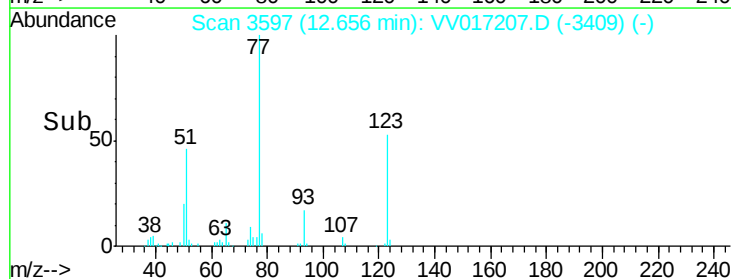
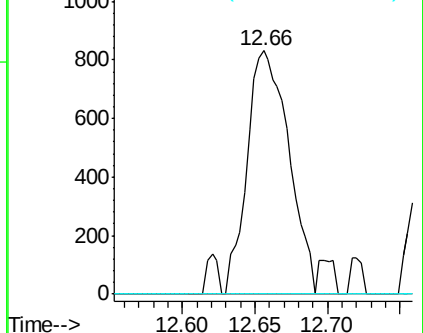
157 0.0 83.4 125.2#

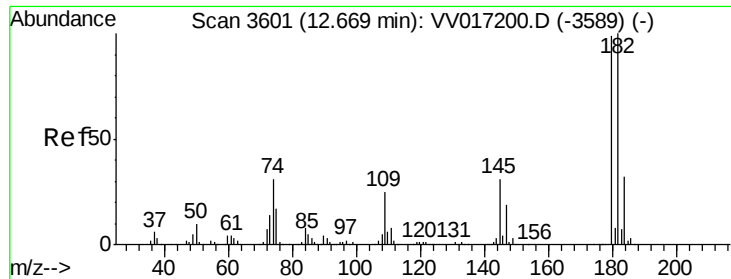


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

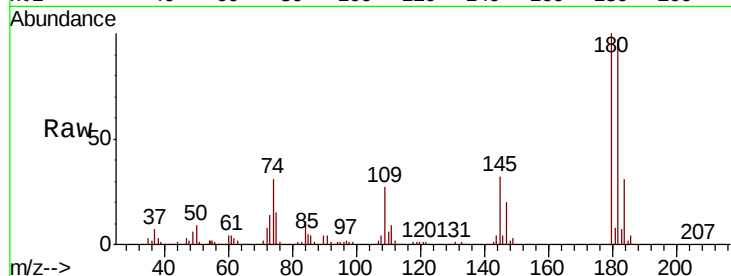




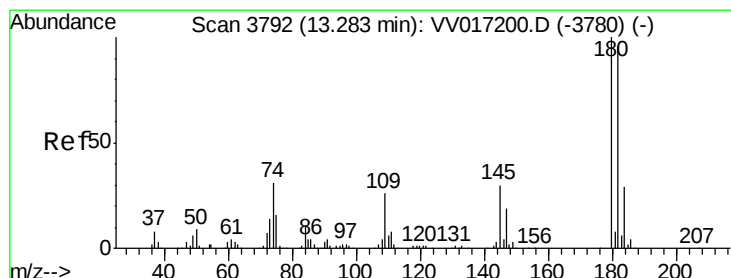
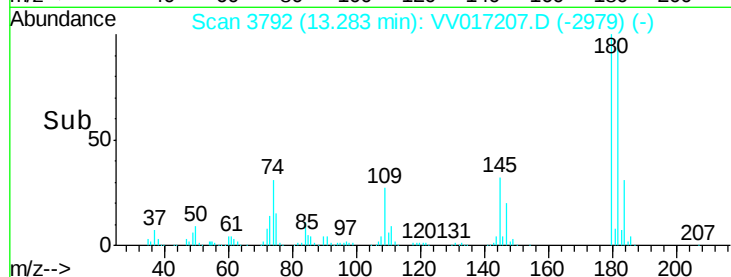
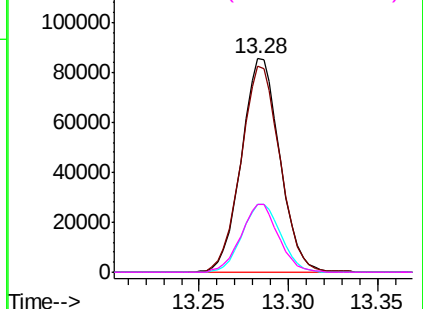
#67
 1,3,5-Trichlorobenzene
 Concen: 33.600 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.61 min
 Lab File: VV017207.D
 Acq: 27 Jun 2020 02:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	129075
Ion	Ratio	Lower	Upper
180	100		
182	97.9	75.0	112.6
184	32.1	24.5	36.7
145	31.2	24.4	36.6

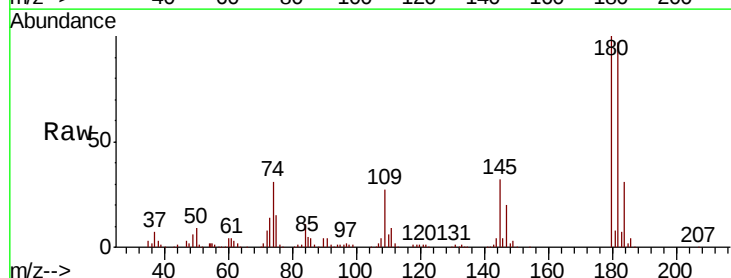


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

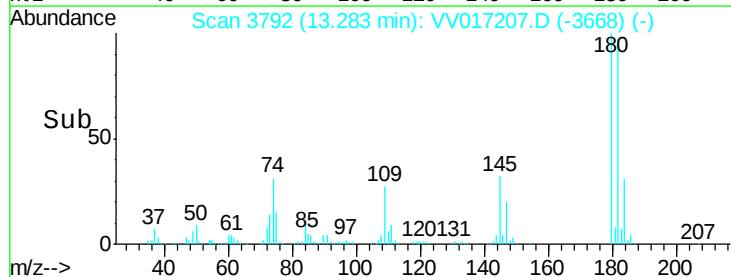
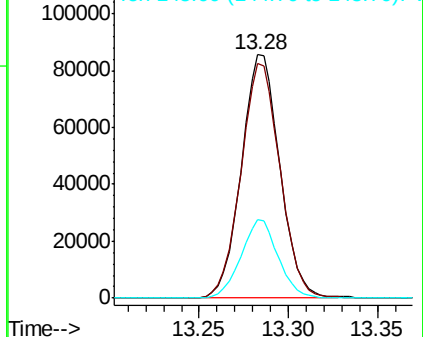


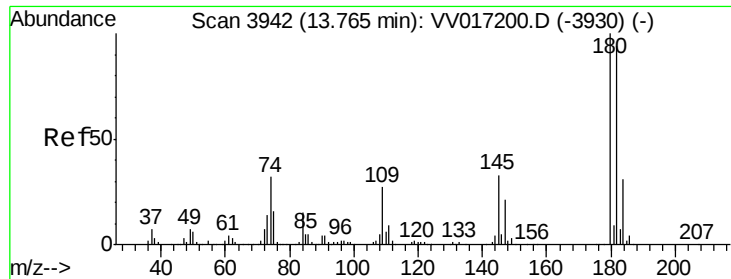
#68
 1,2,4-trichlorobenzene
 Concen: 36.632 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017207.D
 Acq: 27 Jun 2020 02:20

Tgt Ion:	180	Resp:	129075
Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.9	115.3
145	31.2	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: 29.514 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017207.D
 Acq: 27 Jun 2020 02:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.3	76.5	114.7	
145	32.6	26.1	39.1	

