

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018808.D
 Acq On : 09 Oct 2020 10:55
 Operator : SY/MD
 Sample : L4239-16 4X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3R9

Quant Time: Oct 09 23:52:30 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	344543	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	337137	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167927	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	124348	39.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.44%
7) Chloroethane-d5	1.58	69	108565	43.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.16%
11) 1,1-Dichloroethene-d2	2.12	63	191993	31.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.62%
21) 2-Butanone-d5	3.90	46	194974	101.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.43%
24) Chloroform-d	4.37	84	244368	44.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.48%
26) 1,2-Dichloroethane-d4	5.06	65	173975	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.94%
32) Benzene-d6	5.07	84	495166	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.28%
36) 1,2-Dichloropropane-d6	6.09	67	162036	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.60%
41) Toluene-d8	7.34	98	438871	45.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.14%
43) trans-1,3-Dichloropropene-	7.64	79	76635	44.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.64%
47) 2-Hexanone-d5	8.11	63	113466	91.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.51%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	186785	45.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	181829	48.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.84%

Target Compounds

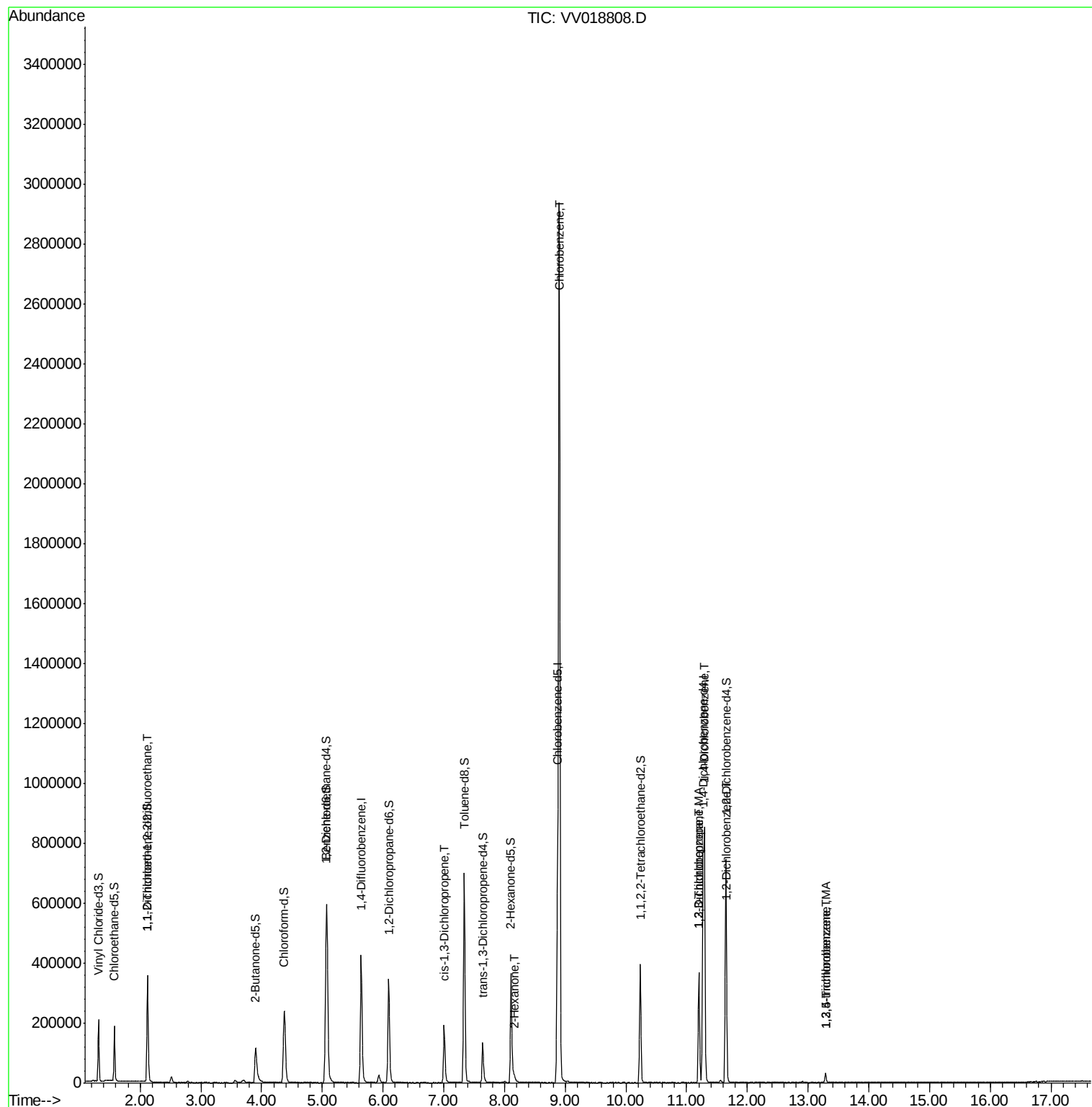
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1771	0.715	ug/L #	19
39) cis-1,3-Dichloropropene	7.01	75	4977	1.199	ug/L #	76
48) 2-Hexanone	8.16	43	12706	4.216	ug/L #	75
51) Chlorobenzene	8.90	112	1431295	196.293	ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	44795	12.813	ug/L #	44
62) 1,3-Dichlorobenzene	11.20	146	143715	26.250	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	301917	53.014	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	3737	0.680	ug/L #	90
67) 1,3,5-Trichlorobenzene	13.29	180	9145	2.579	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	9145	2.743	ug/L	97

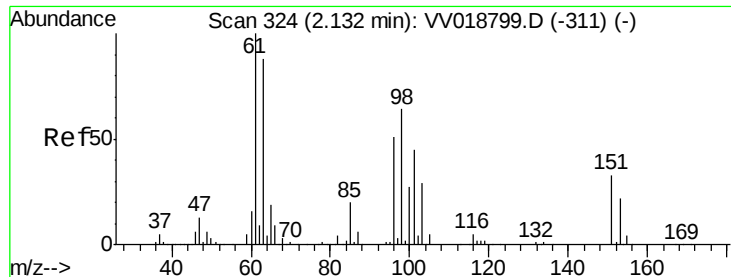
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#10

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

Concen: 0.715 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018808.D

Acq: 09 Oct 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

BG3R9

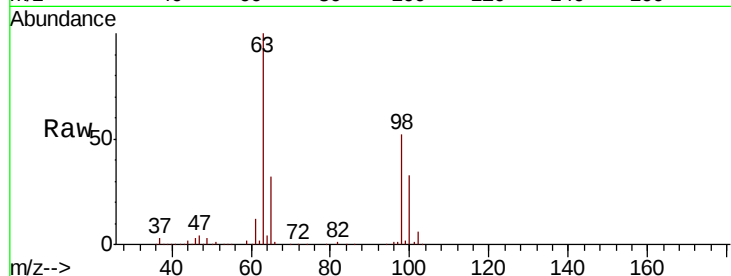
Tot Ion:101 Resp: 1771

Ion Ratio Lower Upper

101 100

85 0.0 35.9 53.9#

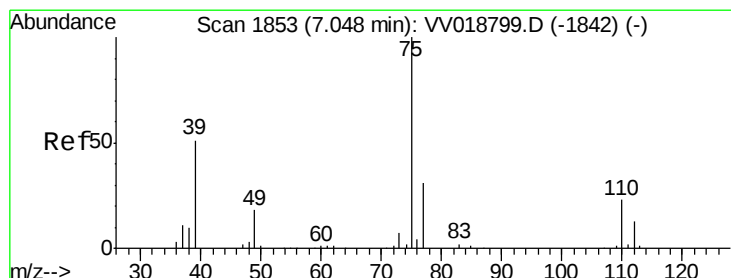
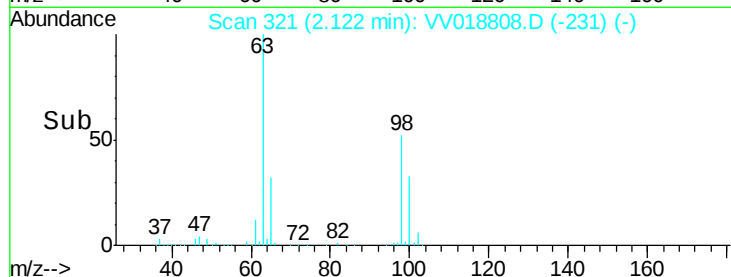
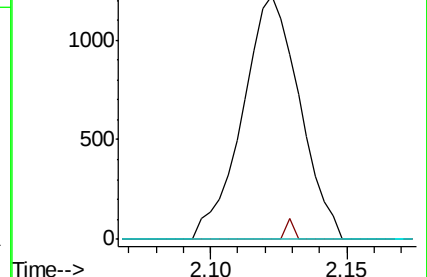
151 0.0 59.8 89.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#39

cis-1,3-Dichloropropene

Concen: 1.199 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018808.D

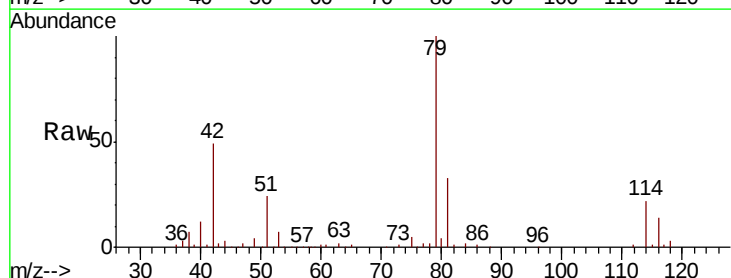
Acq: 09 Oct 2020 10:55

Tgt Ion: 75 Resp: 4977

Ion Ratio Lower Upper

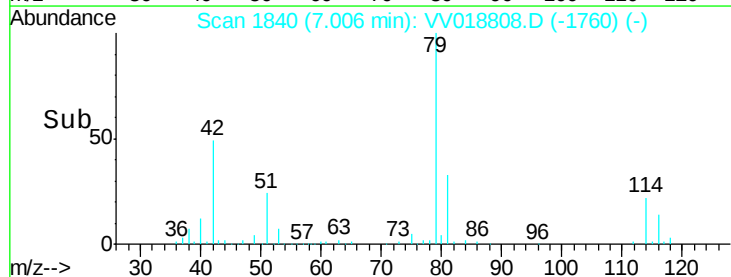
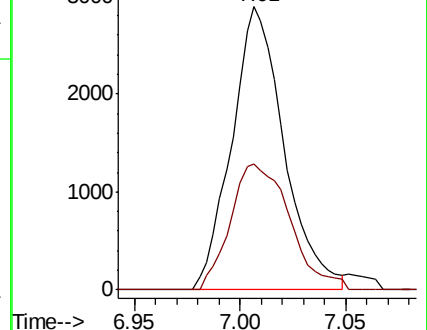
75 100

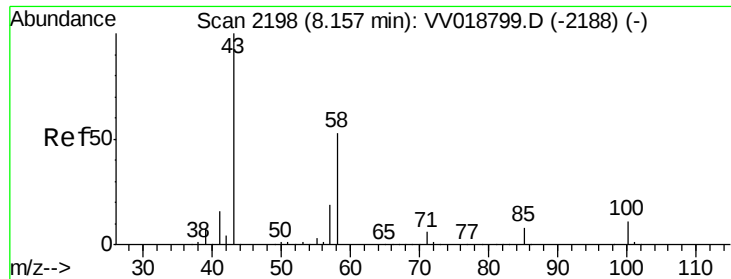
77 44.3 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

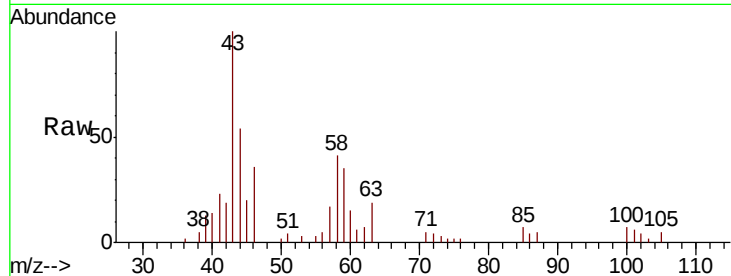




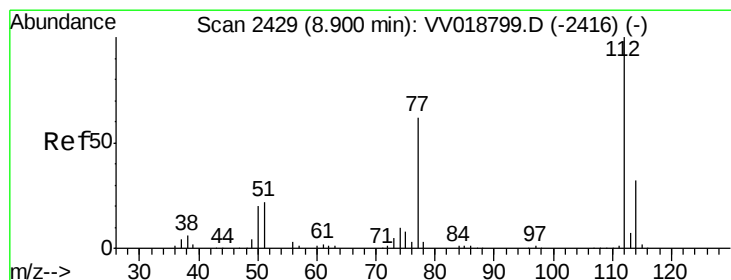
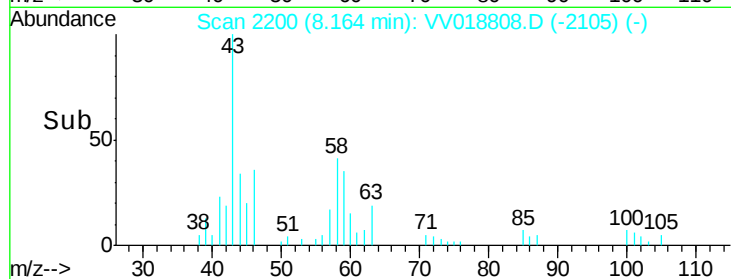
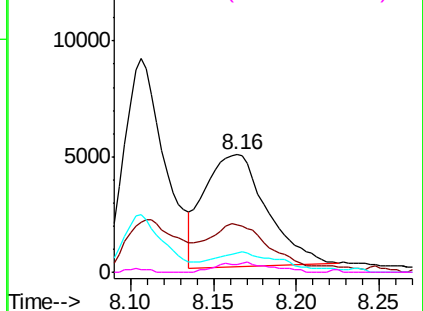
#48
2-Hexanone
Concen: 4.216 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018808.D
Acq: 09 Oct 2020 10:55

Instrument :
MSVOA_V
ClientSampled :
BG3R9

Tot Ion: 43 Resp: 12706
Ion Ratio Lower Upper
43 100
58 28.1 41.8 62.8#
57 19.2 14.9 22.3
100 2.5 9.2 13.8#

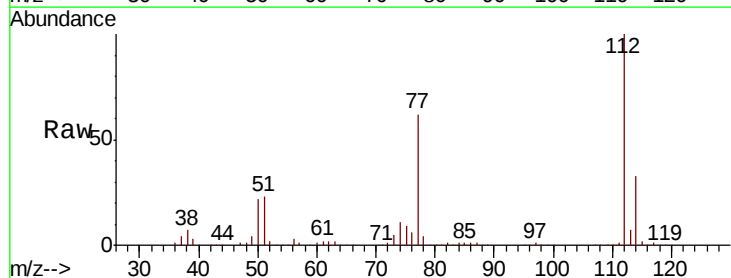


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

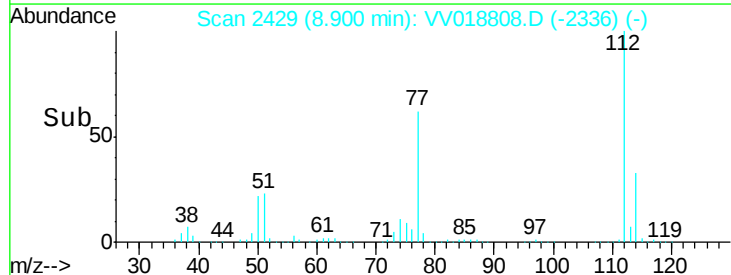
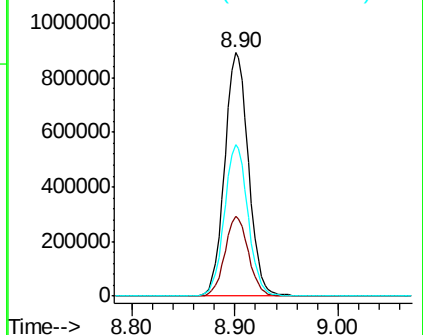


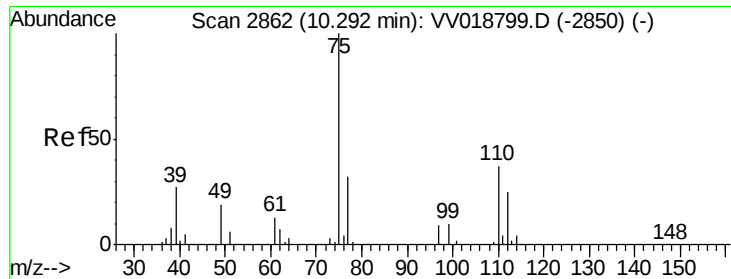
#51
Chlorobenzene
Concen: 196.293 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018808.D
Acq: 09 Oct 2020 10:55

Tgt Ion: 112 Resp: 1431295
Ion Ratio Lower Upper
112 100
114 32.5 22.0 41.0
77 62.1 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): VV0





#59

1,2,3-Trichloropropane

Concen: 12.813 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV018808.D

Acq: 09 Oct 2020 10:55

Instrument :

MSVOA_V

ClientSampleId :

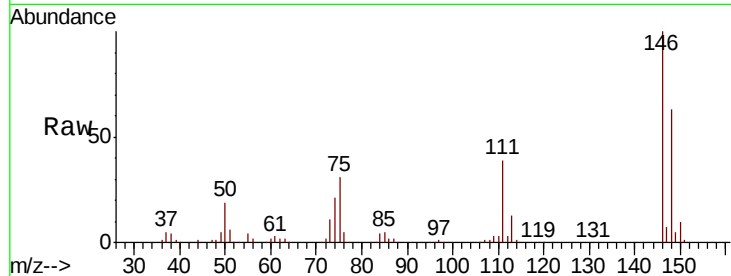
BG3R9

Tot Ion: 75 Resp: 44795

Ion Ratio Lower Upper

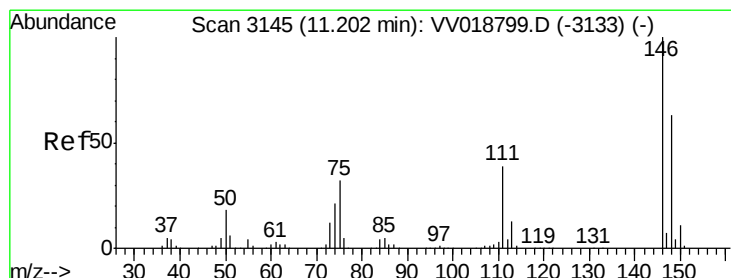
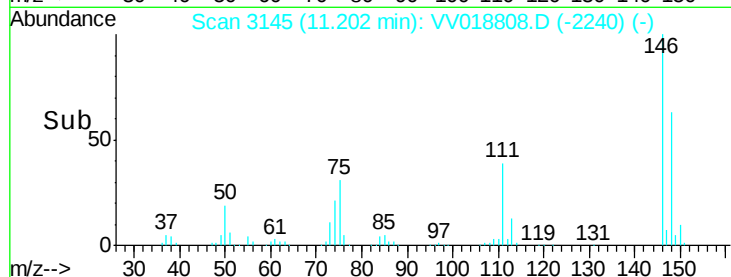
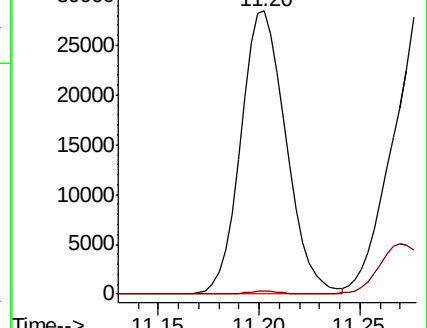
75 100

77 0.8 25.9 38.9#



Abundance Ion 75.00 (74.70 to 75.70): VV018799.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018799.D (-2850) (-)



#62

1,3-Dichlorobenzene

Concen: 26.250 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018808.D

Acq: 09 Oct 2020 10:55

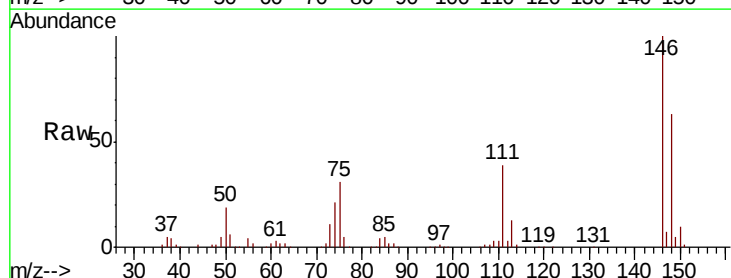
Tgt Ion: 146 Resp: 143715

Ion Ratio Lower Upper

146 100

111 38.9 27.8 51.6

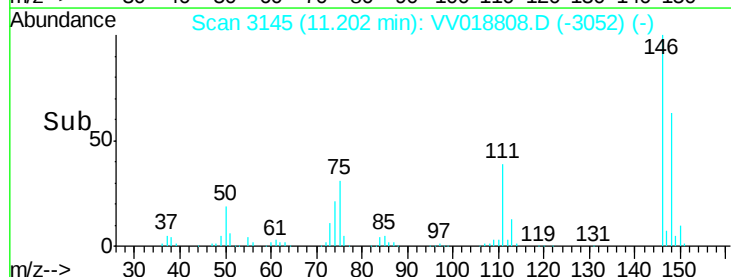
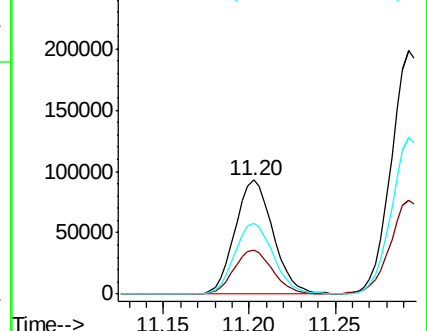
148 62.6 45.4 84.4

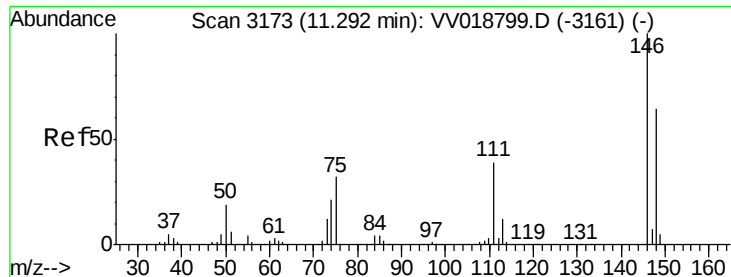


Abundance Ion 146.00 (145.70 to 146.70): VV018799.D (-3133) (-)

Ion 111.00 (110.70 to 111.70): VV018799.D (-3133) (-)

Ion 148.00 (147.70 to 148.70): VV018799.D (-3133) (-)





#63

1,4-Dichlorobenzene

Concen: 53.014 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018808.D

Acq: 09 Oct 2020 10:55

Instrument :

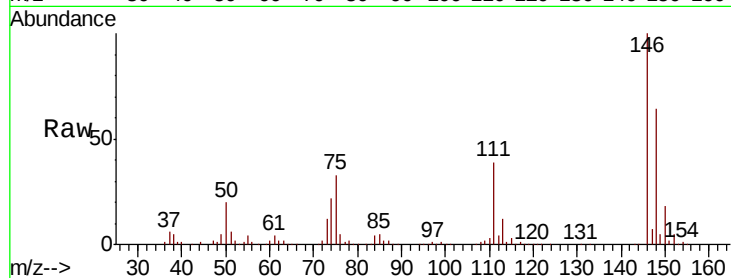
MSVOA_V

ClientSampled :

BG3R9

Tot Ion:146 Resp: 301917

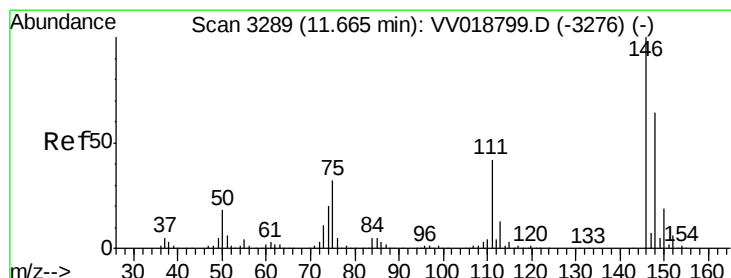
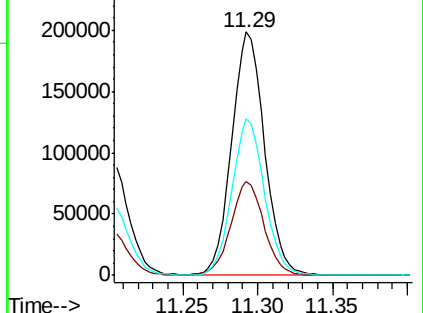
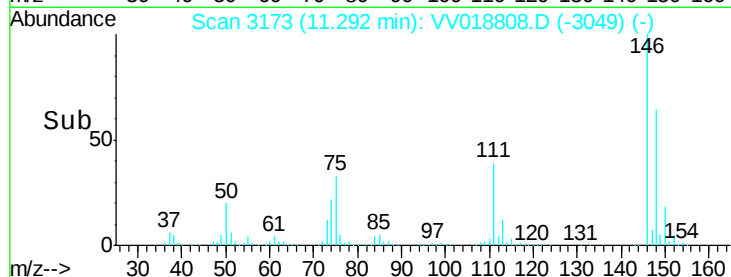
Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.1	50.3
148	64.1	45.4	84.4



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



#65

1,2-Dichlorobenzene

Concen: 0.680 ug/L

RT: 11.67 min Scan# 3289

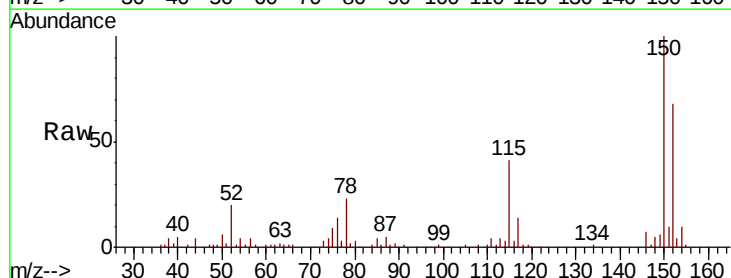
Delta R.T. 0.00 min

Lab File: VV018808.D

Acq: 09 Oct 2020 10:55

Tgt Ion:146 Resp: 3737

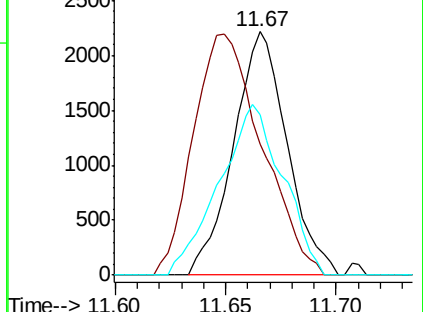
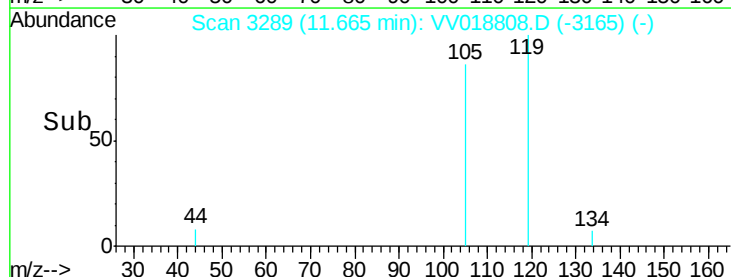
Ion	Ratio	Lower	Upper
146	100		
111	54.0	33.8	50.6#
148	66.1	50.3	75.5

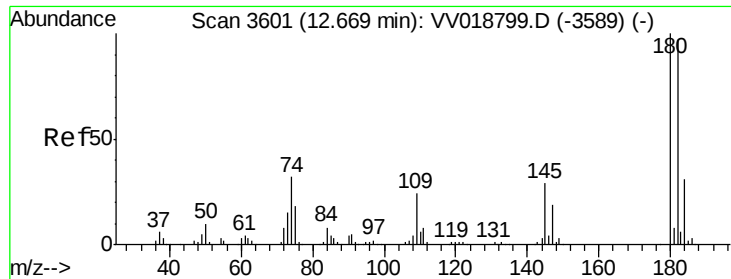


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

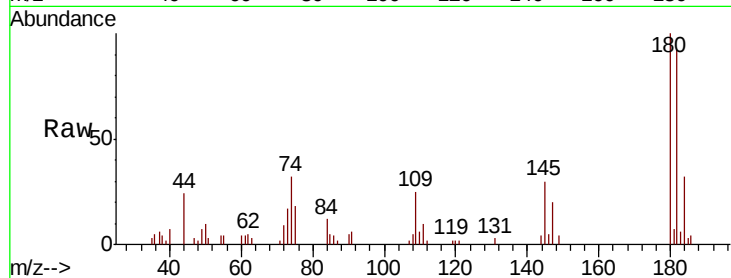




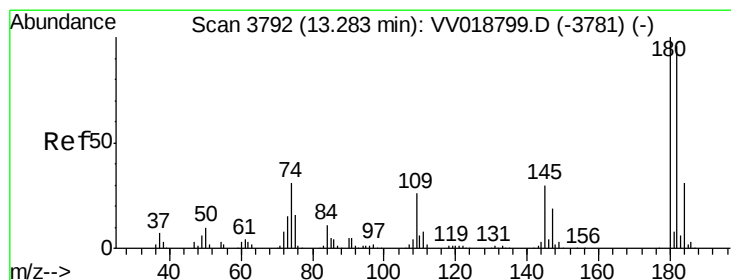
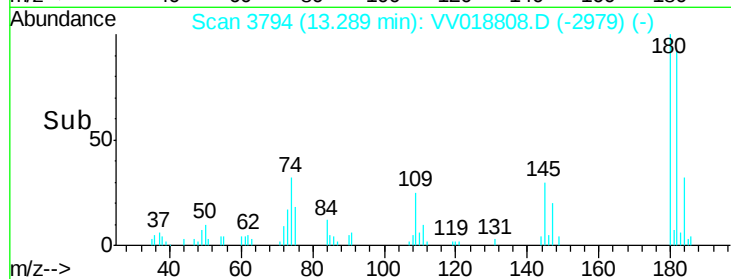
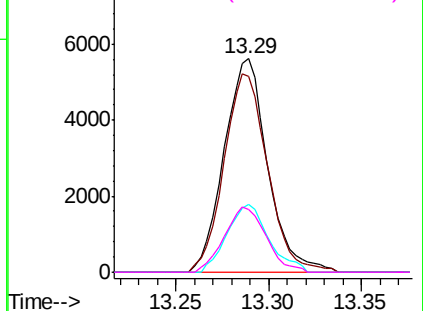
#67
 1,3,5-Trichlorobenzene
 Concen: 2.579 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.62 min
 Lab File: VV018808.D
 Acq: 09 Oct 2020 10:55

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3R9

Tot Ion:180 Resp: 9145
 Ion Ratio Lower Upper
 180 100
 182 93.0 77.0 115.6
 184 30.3 24.6 37.0
 145 29.3 23.4 35.0

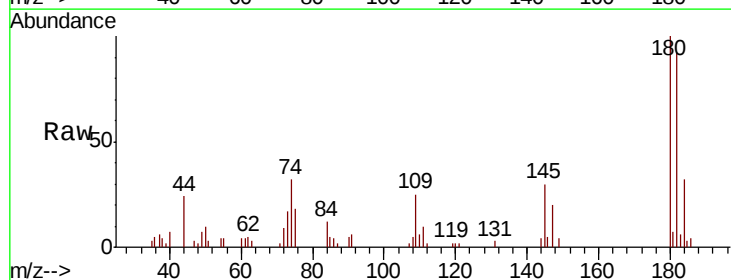


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.743 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018808.D
 Acq: 09 Oct 2020 10:55

Tgt Ion:180 Resp: 9145
 Ion Ratio Lower Upper
 180 100
 182 93.0 76.7 115.1
 145 29.3 24.0 36.0



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

