

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018814.D
 Acq On : 09 Oct 2020 13:15
 Operator : SY/MD
 Sample : L4239-16 4X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3R9

Quant Time: Oct 09 23:54:04 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	377802	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	371244	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	174572	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	130112	37.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.80%
7) Chloroethane-d5	1.58	69	115388	41.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.52%
11) 1,1-Dichloroethene-d2	2.12	63	198364	29.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.94%#
21) 2-Butanone-d5	3.91	46	210901	100.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.06%
24) Chloroform-d	4.38	84	241407	39.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.72%
26) 1,2-Dichloroethane-d4	5.06	65	174414	42.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.96%
32) Benzene-d6	5.07	84	496991	41.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.20%
36) 1,2-Dichloropropane-d6	6.09	67	163990	42.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.20%
41) Toluene-d8	7.34	98	415414	39.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.34%#
43) trans-1,3-Dichloropropene-	7.64	79	73931	38.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.64%
47) 2-Hexanone-d5	8.11	63	111646	81.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.77%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	172173	38.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	175107	45.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.64%

Target Compounds

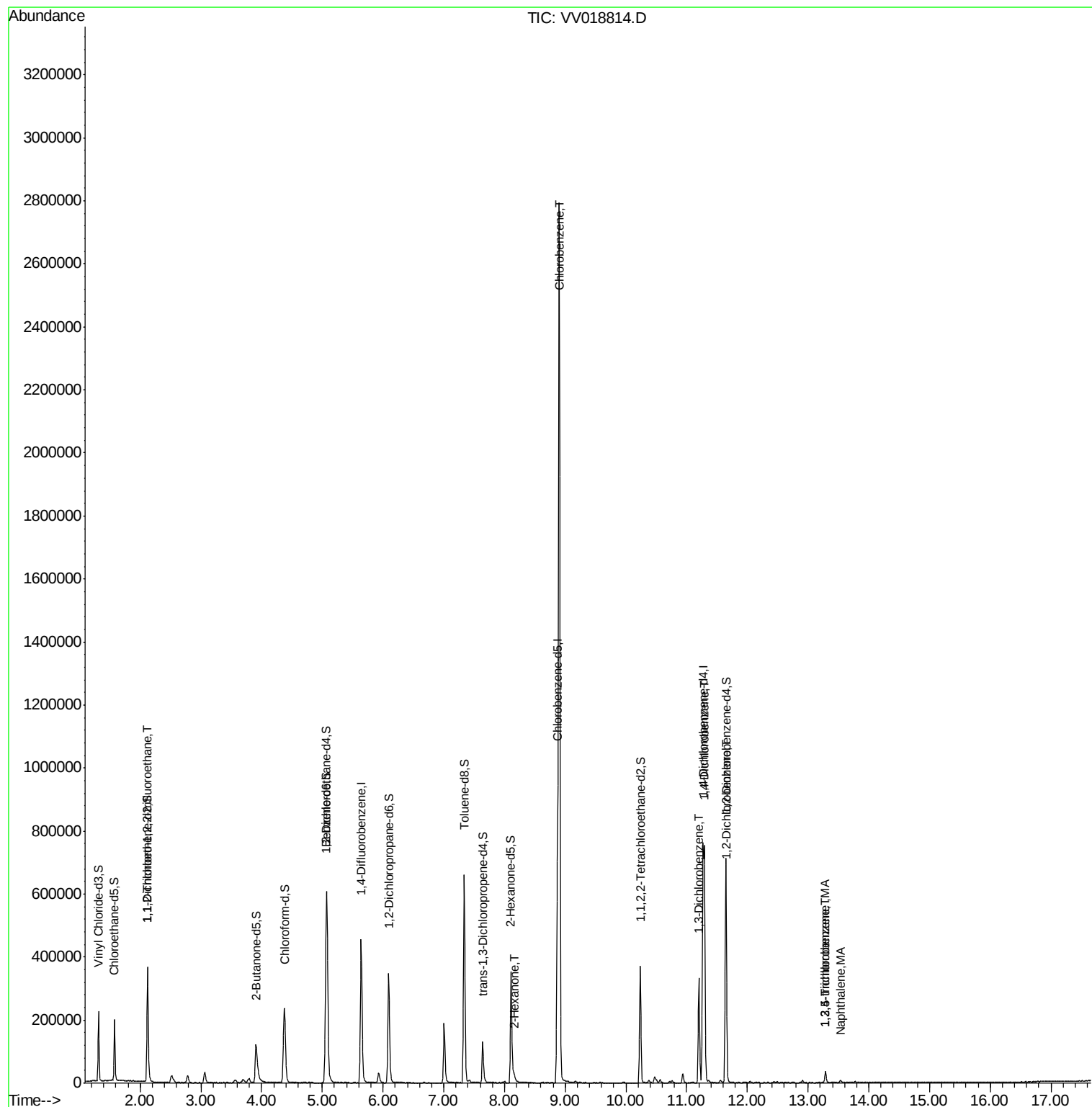
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1910	0.703	ug/L #	19
48) 2-Hexanone	8.16	43	10719	3.230	ug/L #	87
51) Chlorobenzene	8.90	112	1353638	168.588	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	131881	23.172	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	268525	45.356	ug/L	100
65) 1,2-Dichlorobenzene	11.66	146	3787	0.663	ug/L #	79
67) 1,3,5-Trichlorobenzene	13.29	180	10837	2.940	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	10837	3.126	ug/L	99
69) Naphthalene	13.53	128	6615	0.677	ug/L	96

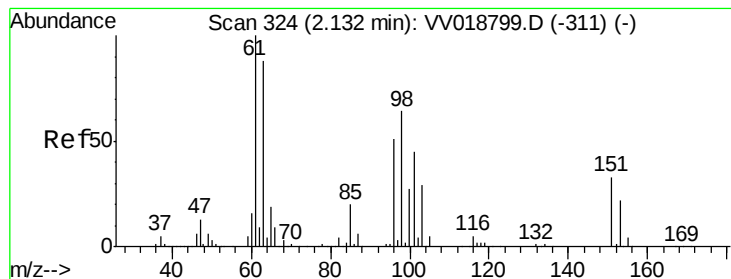
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 09 23:43:53 2020
Response via : Initial Calibration





#10

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

Concen: 0.703 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018814.D

Acq: 09 Oct 2020 13:15

Instrument :

MSVOA_V

ClientSampleId :

BG3R9

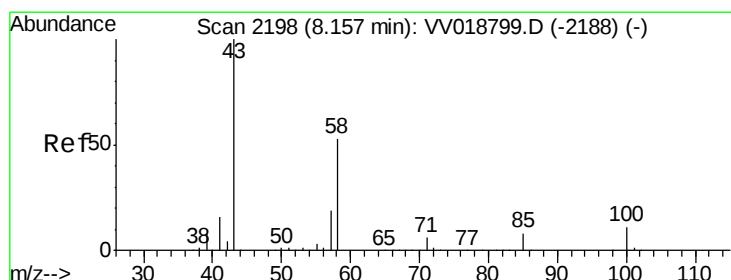
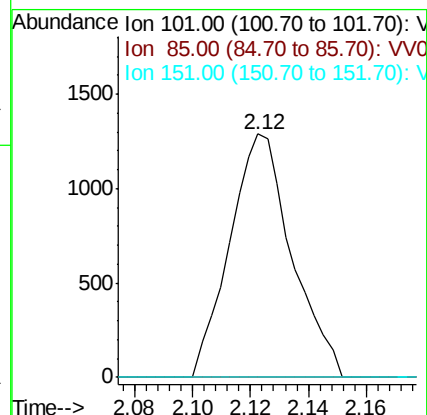
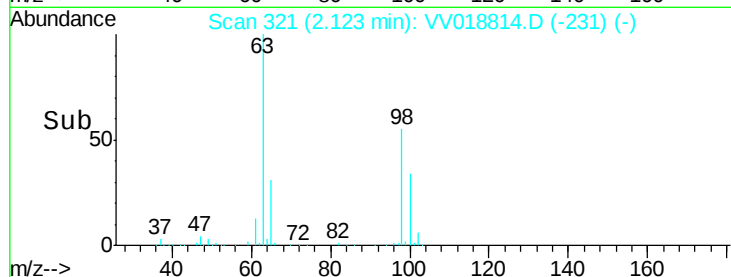
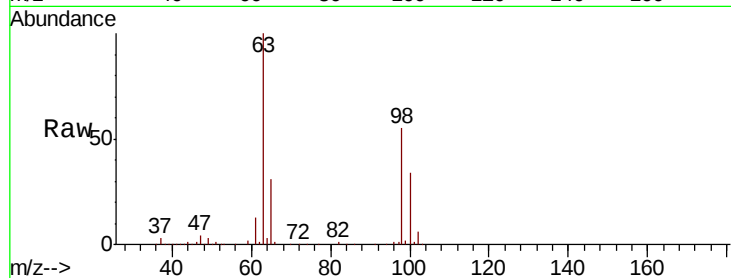
Tot Ion:101 Resp: 1910

Ion Ratio Lower Upper

101 100

85 0.0 35.9 53.9#

151 0.0 59.8 89.8#



#48

2-Hexanone

Concen: 3.230 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018814.D

Acq: 09 Oct 2020 13:15

Tgt Ion: 43 Resp: 10719

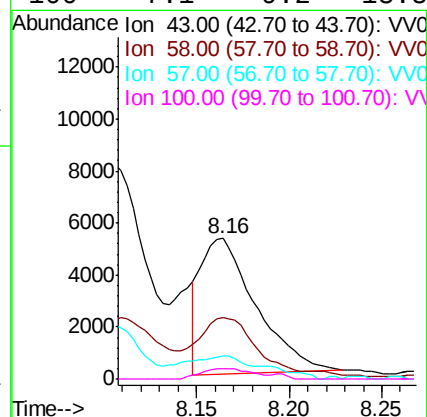
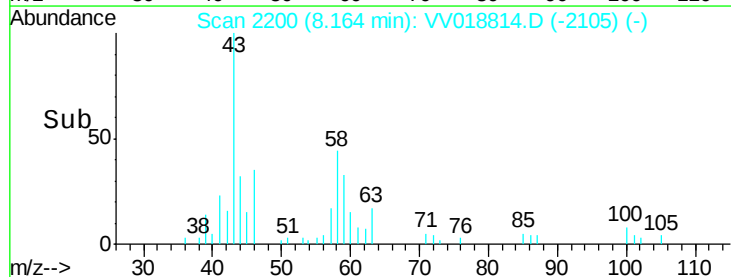
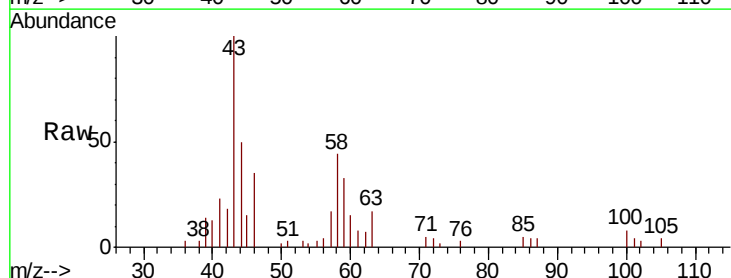
Ion Ratio Lower Upper

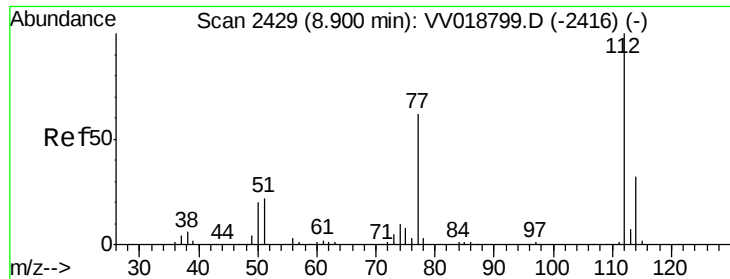
43 100

58 41.6 41.8 62.8#

57 15.2 14.9 22.3

100 7.1 9.2 13.8#

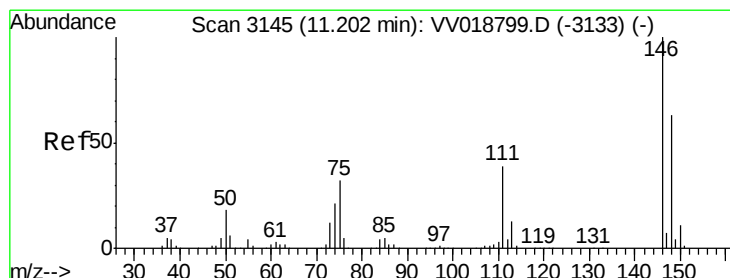
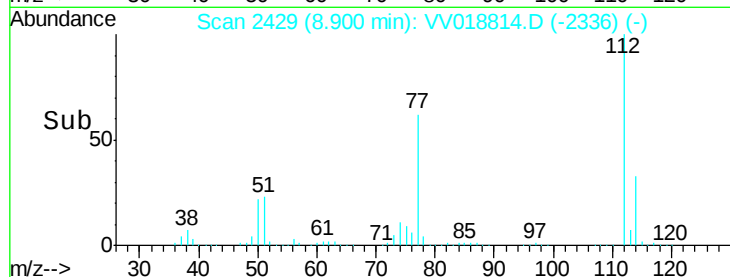
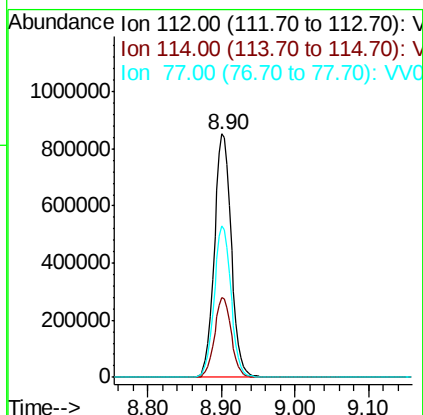
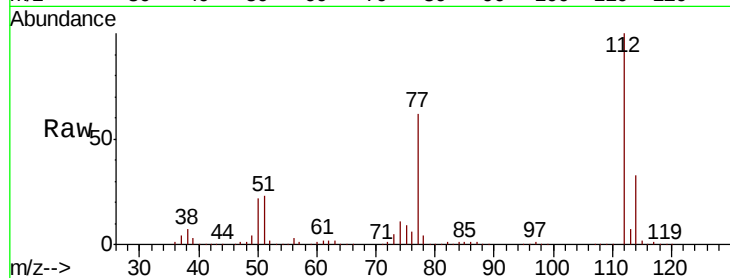




#51
Chlorobenzene
Concen: 168.588 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018814.D
Acq: 09 Oct 2020 13:15

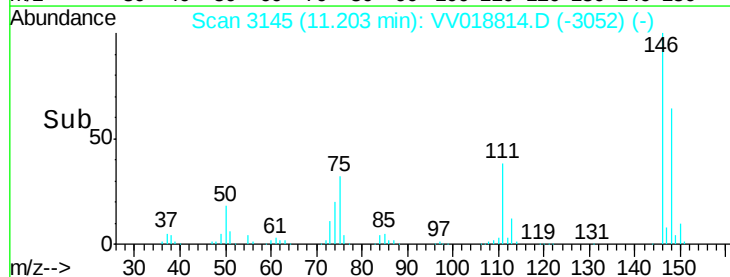
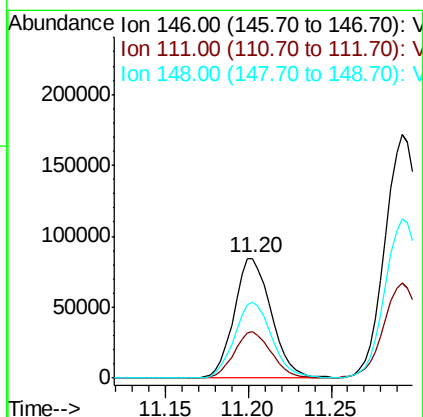
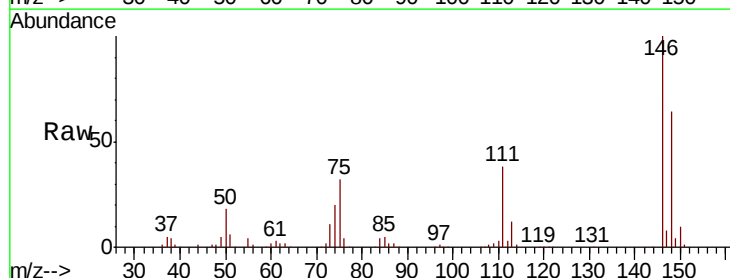
Instrument :
MSVOA_V
ClientSampled :
BG3R9

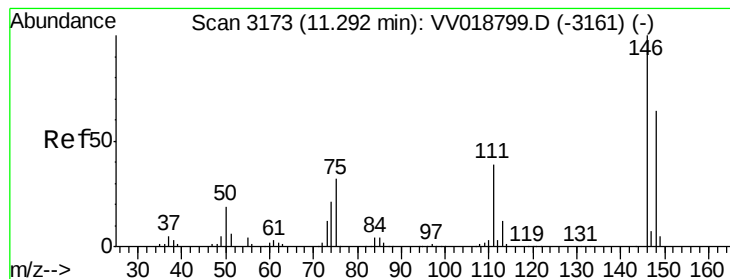
Tot Ion:112 Resp: 1353638
Ion Ratio Lower Upper
112 100
114 32.5 22.0 41.0
77 62.3 49.8 74.6



#62
1,3-Dichlorobenzene
Concen: 23.172 ug/L
RT: 11.20 min Scan# 3145
Delta R.T. 0.00 min
Lab File: VV018814.D
Acq: 09 Oct 2020 13:15

Tgt Ion:146 Resp: 131881
Ion Ratio Lower Upper
146 100
111 38.2 27.8 51.6
148 63.7 45.4 84.4





#63

1,4-Dichlorobenzene

Concen: 45.356 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018814.D

Acq: 09 Oct 2020 13:15

Instrument :

MSVOA_V

ClientSampled :

BG3R9

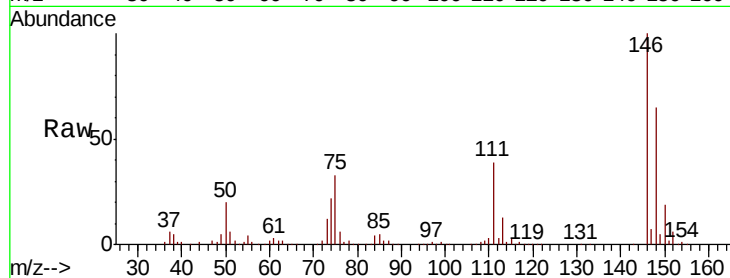
Tot Ion:146 Resp: 268525

Ion Ratio Lower Upper

146 100

111 38.9 27.1 50.3

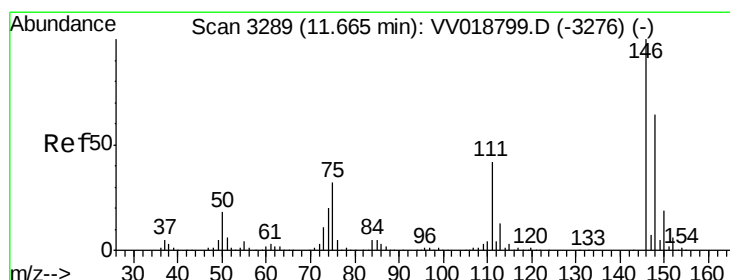
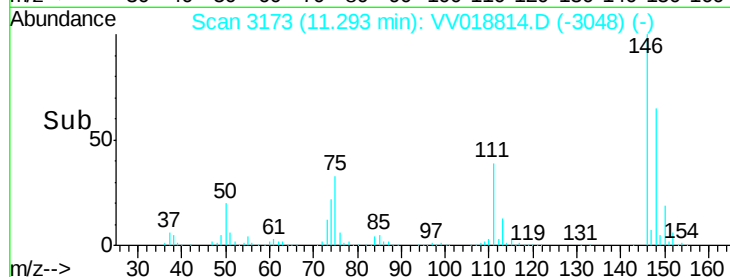
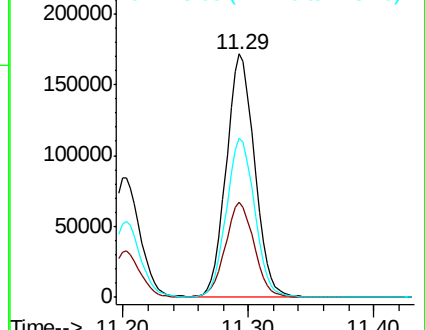
148 65.3 45.4 84.4



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: 0.663 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV018814.D

Acq: 09 Oct 2020 13:15

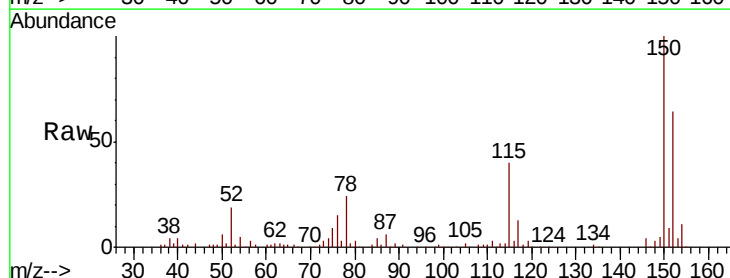
Tgt Ion:146 Resp: 3787

Ion Ratio Lower Upper

146 100

111 61.2 33.8 50.6#

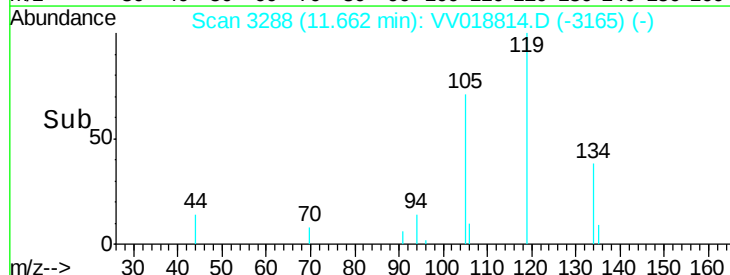
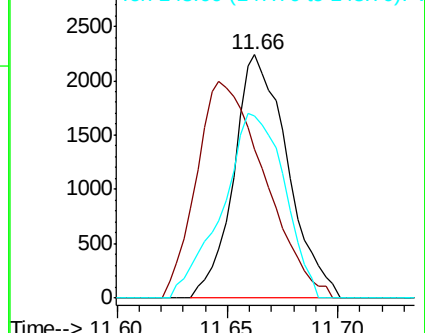
148 75.0 50.3 75.5

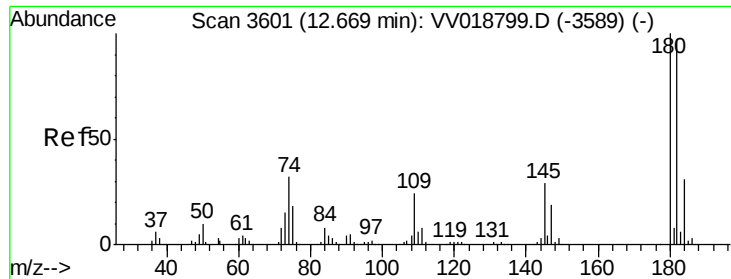


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

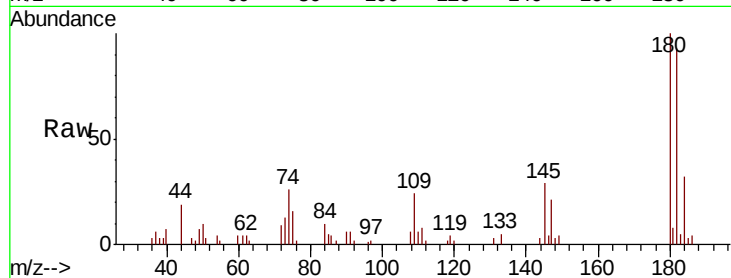




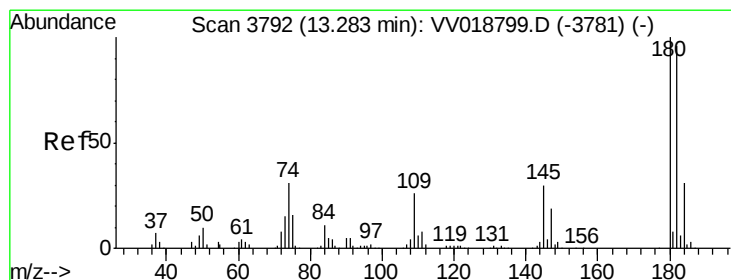
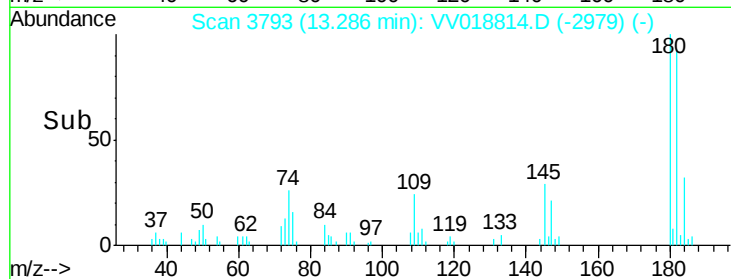
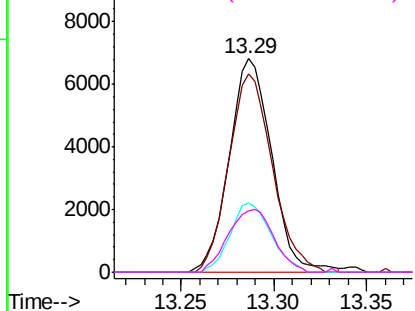
#67
 1,3,5-Trichlorobenzene
 Concen: 2.940 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV018814.D
 Acq: 09 Oct 2020 13:15

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3R9

Tot Ion:180	Resp:	10837
Ion Ratio	Lower	Upper
180 100		
182 95.4	77.0	115.6
184 31.3	24.6	37.0
145 31.4	23.4	35.0

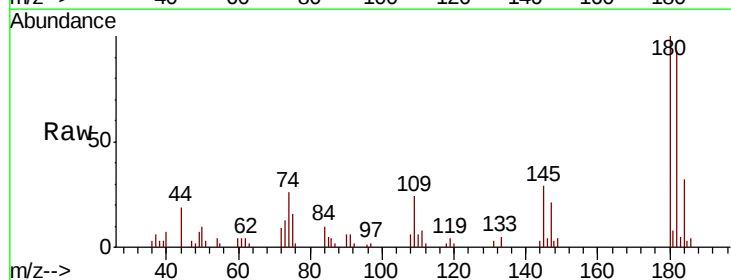


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

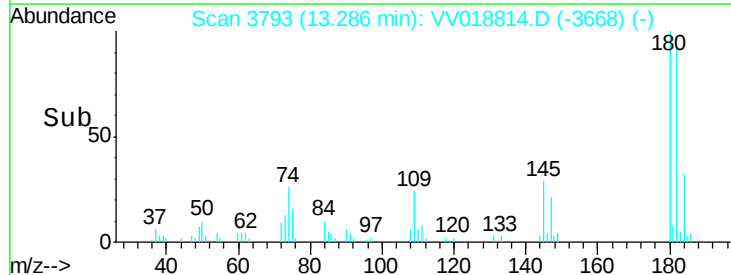
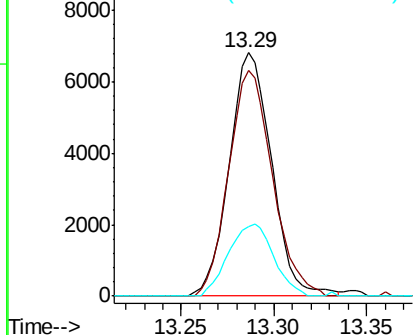


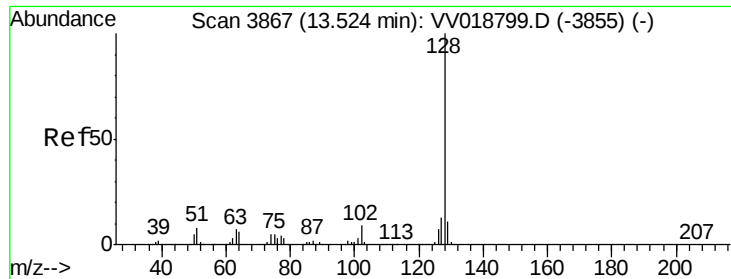
#68
 1,2,4-trichlorobenzene
 Concen: 3.126 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018814.D
 Acq: 09 Oct 2020 13:15

Tgt Ion:180	Resp:	10837	
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.7	115.1
145	31.4	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





#69

Naphthalene

Concen: 0.677 ug/L

RT: 13.53 min Scan# 3870

Delta R.T. 0.01 min

Lab File: VV018814.D

Acq: 09 Oct 2020 13:15

Instrument :

MSVOA_V

ClientSampleId :

BG3R9

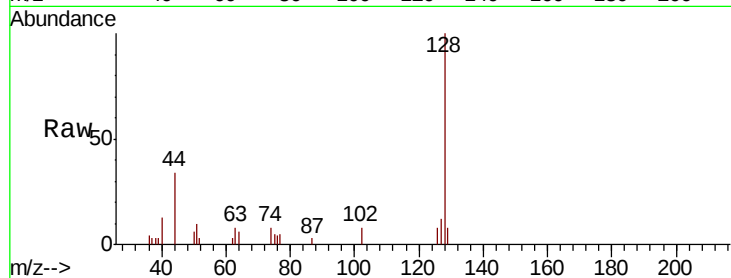
Tot Ion:128 Resp: 6615

Ion Ratio Lower Upper

128 100

127 12.0 10.4 15.6

129 8.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

