

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120220\
 Data File : VV019455.D
 Acq On : 02 Dec 2020 17:52
 Operator : SY/MD
 Sample : L4921-05 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FW4

Quant Time: Dec 03 05:52:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 03 05:50:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	366055	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	363430	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	184455	50.00	ug/L	0.00

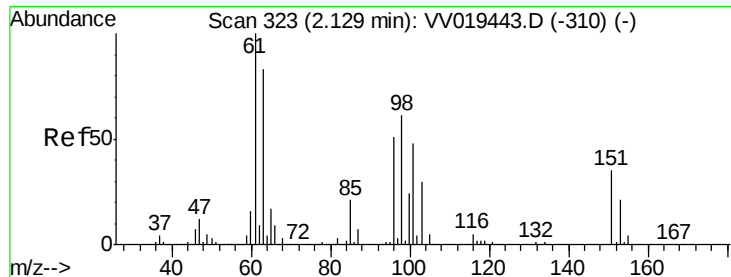
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	131613	36.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.00%
7) Chloroethane-d5	1.58	69	126512	42.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.04%
11) 1,1-Dichloroethene-d2	2.12	63	223650	34.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.74%
21) 2-Butanone-d5	3.89	46	238147	106.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.88%
24) Chloroform-d	4.37	84	274331	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
26) 1,2-Dichloroethane-d4	5.05	65	191524	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.02%
32) Benzene-d6	5.07	84	528547	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
36) 1,2-Dichloropropane-d6	6.09	67	182547	51.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.12%
41) Toluene-d8	7.33	98	456642	47.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.88%
43) trans-1,3-Dichloropropene-	7.64	79	81897	47.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.86%
47) 2-Hexanone-d5	8.10	63	135773	96.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.39%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	221307	47.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	186605	52.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.18%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1918	0.747	ug/L #	23
25) Chloroform	4.40	83	8094	1.477	ug/L	95
33) Benzene	5.12	78	336248	30.916	ug/L	100
48) 2-Hexanone	8.16	43	8676	2.590	ug/L #	45
51) Chlorobenzene	8.90	112	1440637	193.553	ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	22069	5.600	ug/L #	44
62) 1,3-Dichlorobenzene	11.20	146	69055	12.869	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	556259	98.625	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	729268	132.371	ug/L	98
67) 1,3,5-Trichlorobenzene	13.28	180	98645	25.253	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	98645	28.523	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	25815	7.141	ug/L	97

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



#10

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

Concen: 0.747 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV019455.D

Acq: 02 Dec 2020 17:52

Instrument :

MSVOA_V

ClientSampleId :

C0FW4

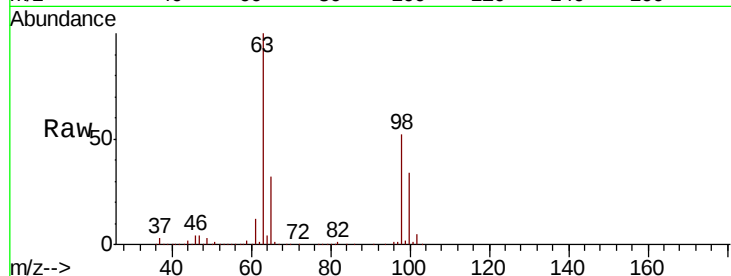
Tot Ion:101 Resp: 1918

Ion Ratio Lower Upper

101 100

85 0.0 35.5 53.3#

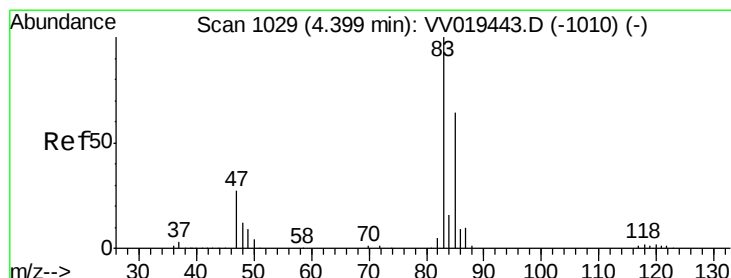
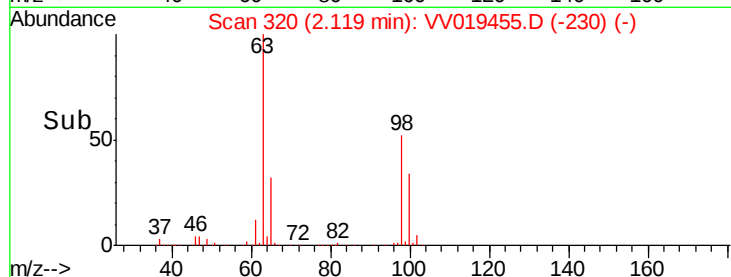
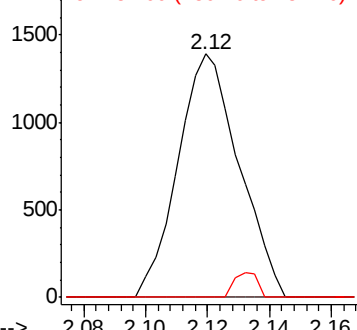
151 4.0 58.9 88.3#



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



#25

Chloroform

Concen: 1.477 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV019455.D

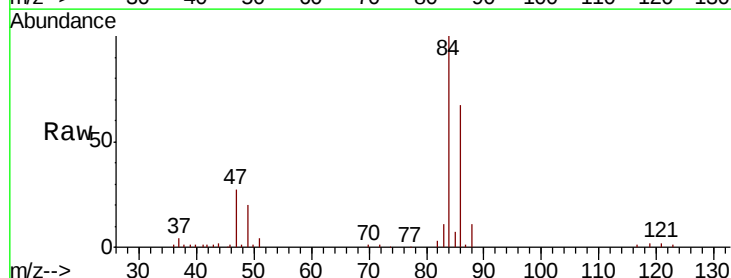
Acq: 02 Dec 2020 17:52

Tgt Ion: 83 Resp: 8094

Ion Ratio Lower Upper

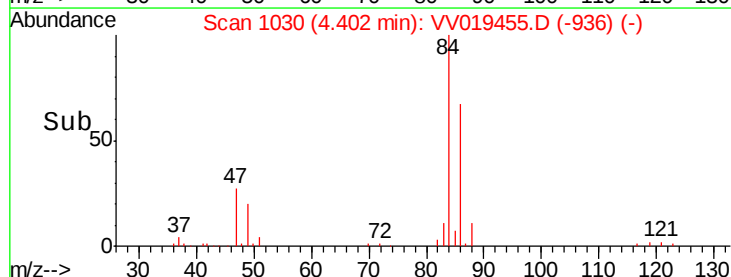
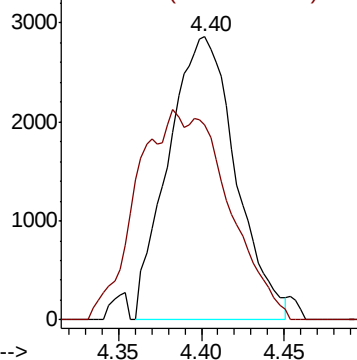
83 100

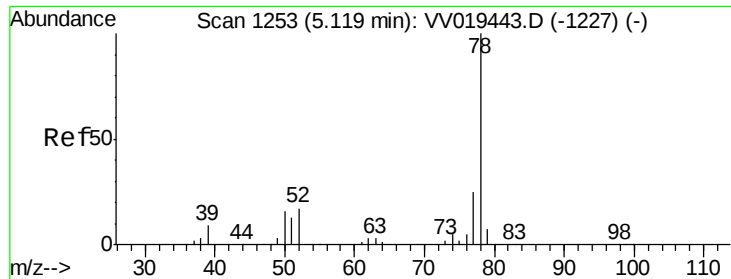
85 68.8 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 30.916 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV019455.D

Acq: 02 Dec 2020 17:52

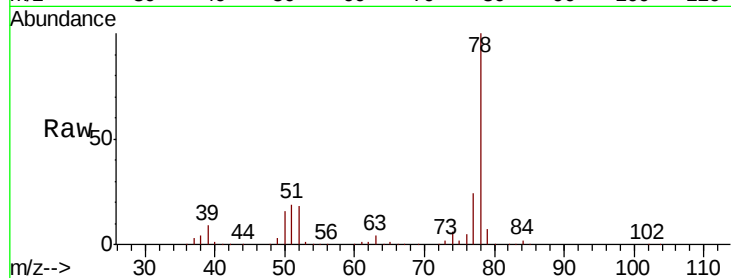
Instrument :

MSVOA_V

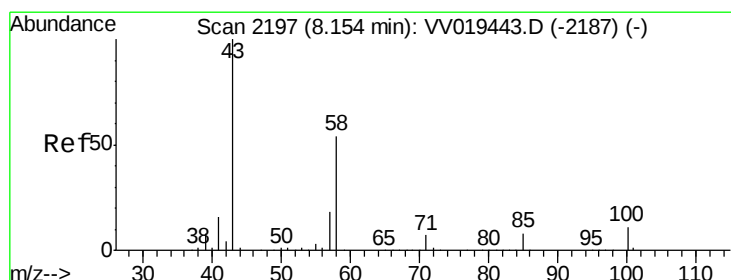
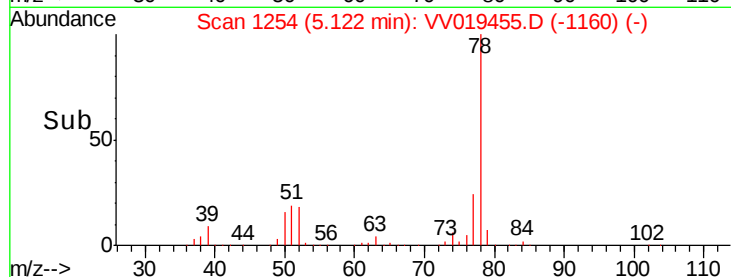
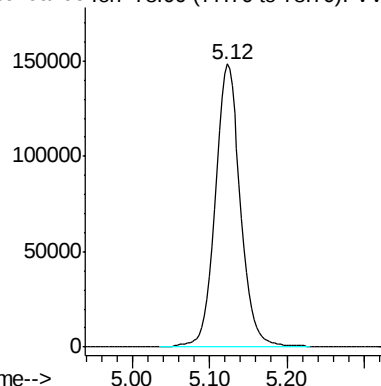
ClientSampled :

C0FW4

Tgt Ion: 78 Resp: 336248



Abundance Ion 78.00 (77.70 to 78.70): VV0



#48

2-Hexanone

Concen: 2.590 ug/L

RT: 8.16 min Scan# 2198

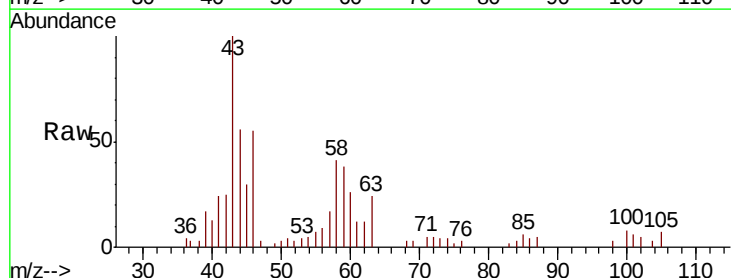
Delta R.T. 0.00 min

Lab File: VV019455.D

Acq: 02 Dec 2020 17:52

Tgt Ion: 43 Resp: 8676

Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.8	65.6#
57	12.0	15.4	23.2#
100	4.5	9.0	13.6#

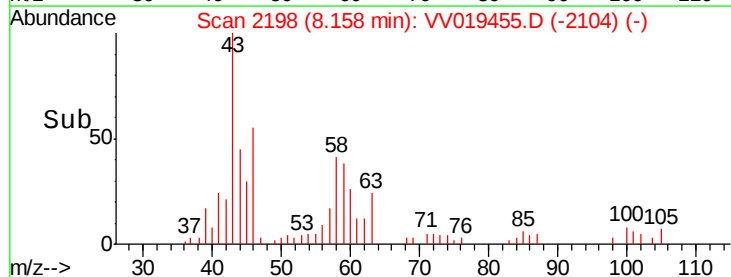
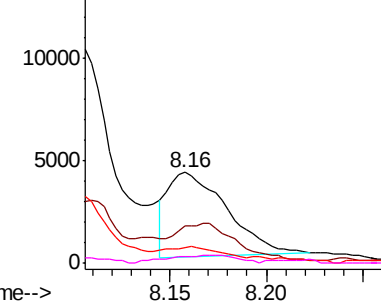


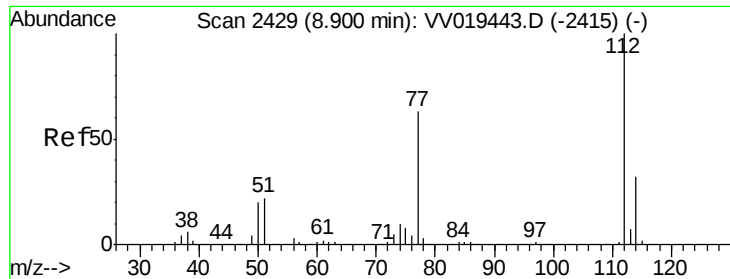
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 193.553 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV019455.D

Acq: 02 Dec 2020 17:52

Instrument :

MSVOA_V

ClientSampleId :

C0FW4

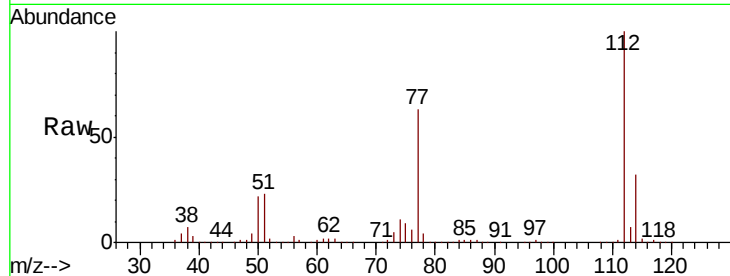
Tot Ion:112 Resp: 1440637

Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.1

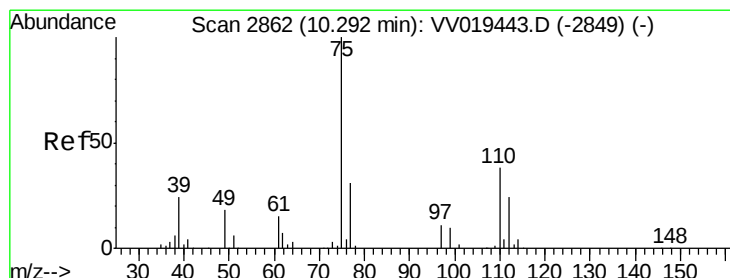
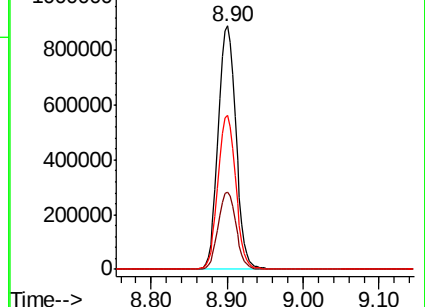
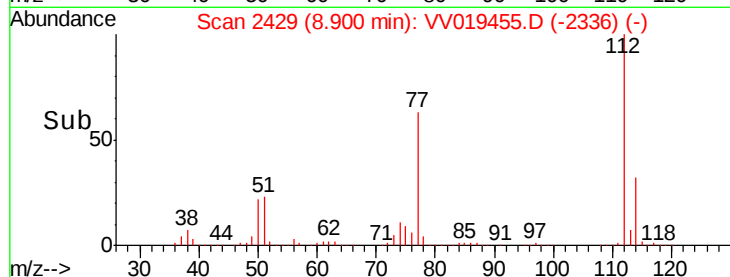
77 63.4 50.3 75.5



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): V



#59

1,2,3-Trichloropropane

Concen: 5.600 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV019455.D

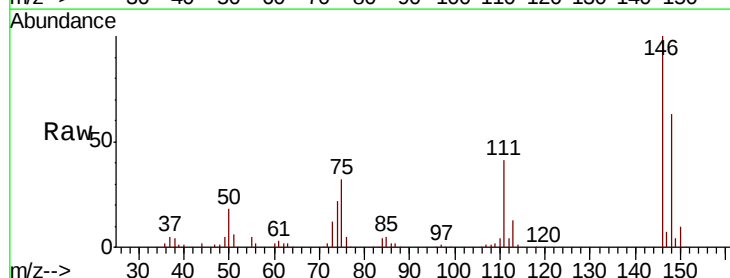
Acq: 02 Dec 2020 17:52

Tgt Ion: 75 Resp: 22069

Ion Ratio Lower Upper

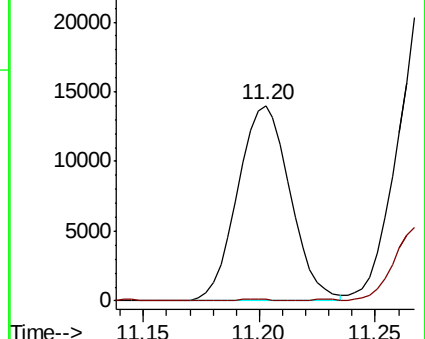
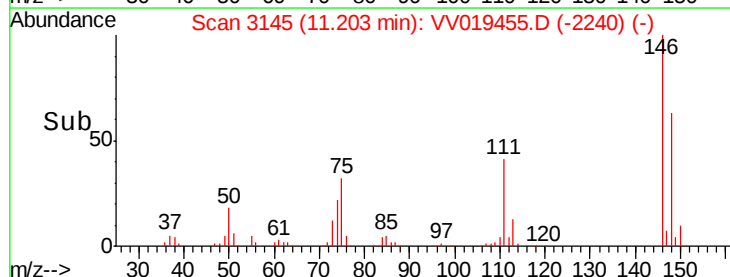
75 100

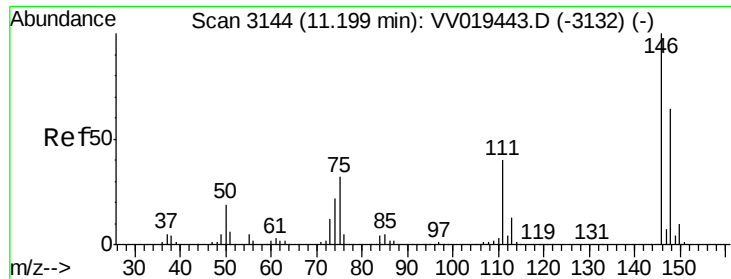
77 0.5 25.2 37.8#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 12.869 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV019455.D

Acq: 02 Dec 2020 17:52

Instrument :

MSVOA_V

ClientSampleId :

C0FW4

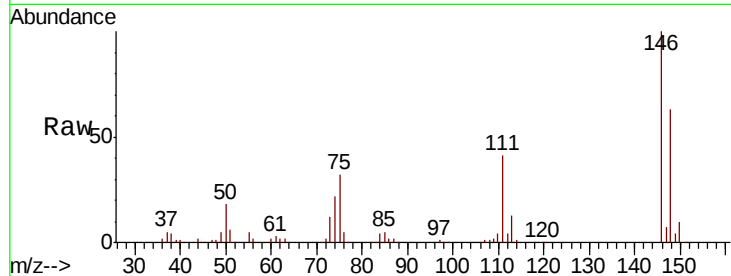
Tot Ion:146 Resp: 69055

Ion Ratio Lower Upper

146 100

111 40.6 27.9 51.7

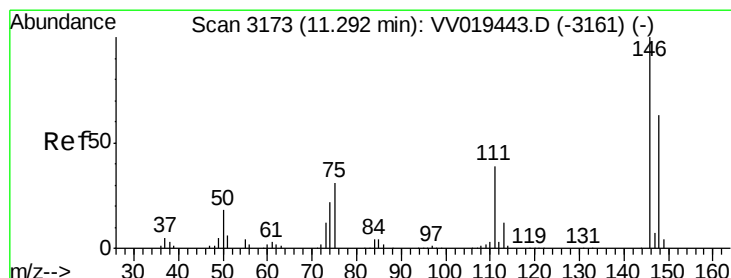
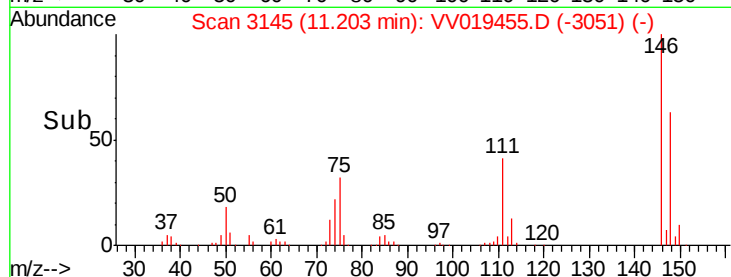
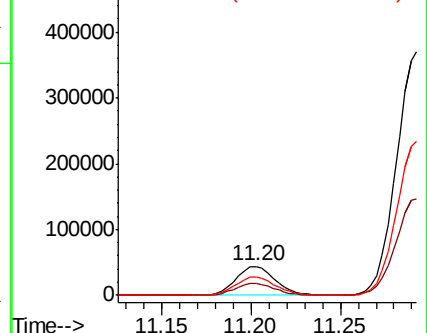
148 63.4 44.4 82.5



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



#63

1,4-Dichlorobenzene

Concen: 98.625 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019455.D

Acq: 02 Dec 2020 17:52

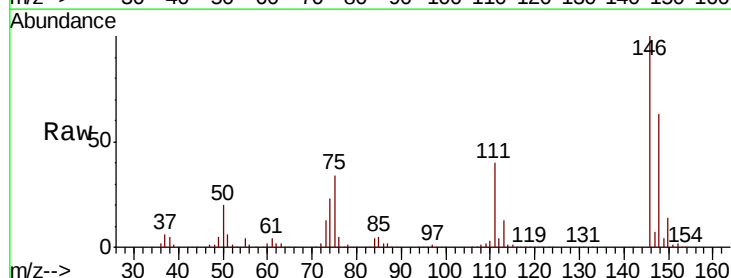
Tgt Ion:146 Resp: 556259

Ion Ratio Lower Upper

146 100

111 39.5 26.7 49.7

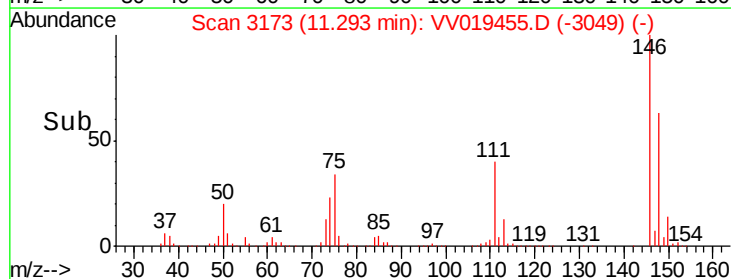
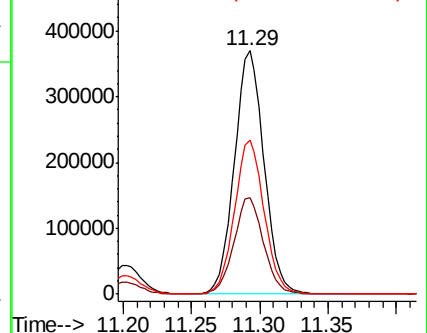
148 63.3 45.2 84.0

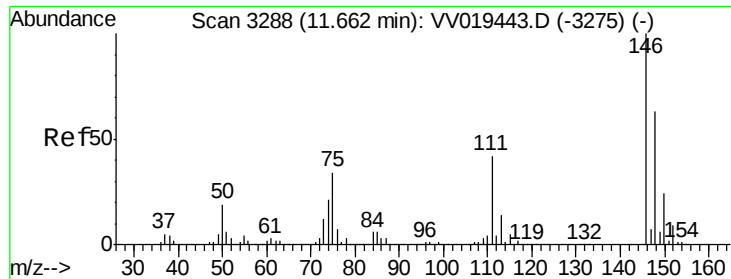


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 132.371 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019455.D

Acq: 02 Dec 2020 17:52

Instrument :

MSVOA_V

ClientSampleId :

C0FW4

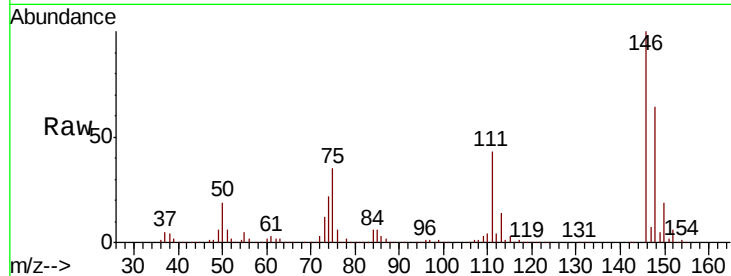
Tot Ion:146 Resp: 729268

Ion Ratio Lower Upper

146 100

111 43.2 33.8 50.8

148 63.7 49.8 74.8

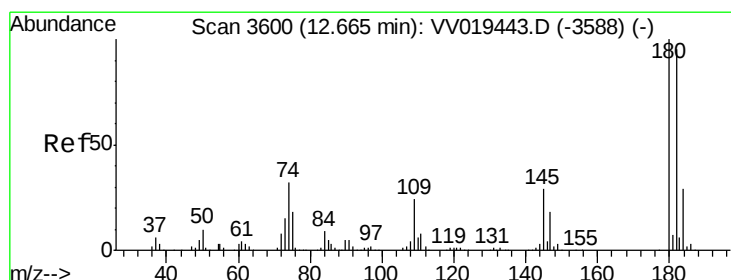
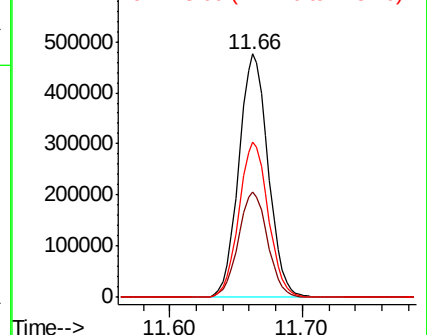
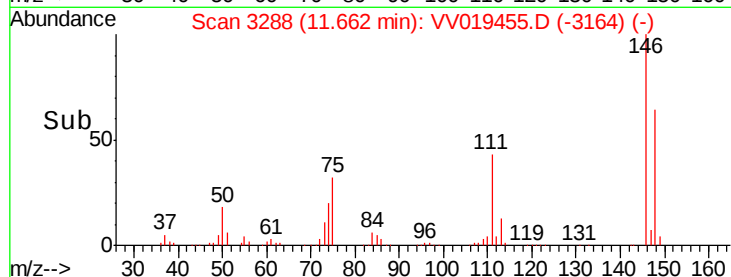


Abundance

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: 25.253 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.62 min

Lab File: VV019455.D

Acq: 02 Dec 2020 17:52

Tgt Ion:180 Resp: 98645

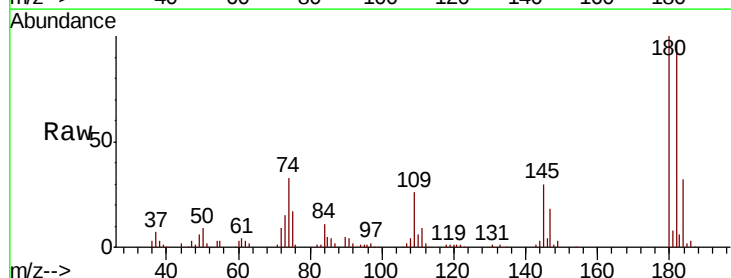
Ion Ratio Lower Upper

180 100

182 94.6 77.0 115.4

184 31.0 24.2 36.2

145 28.9 23.2 34.8



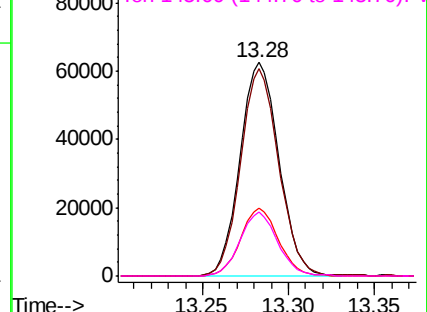
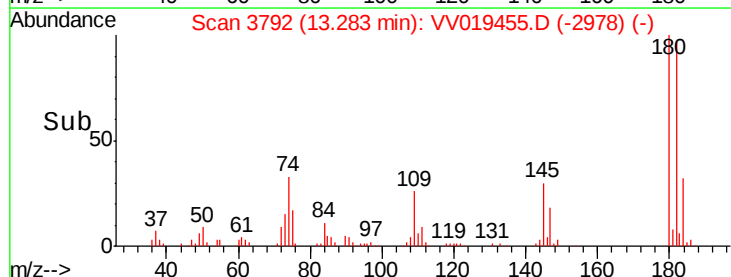
Abundance

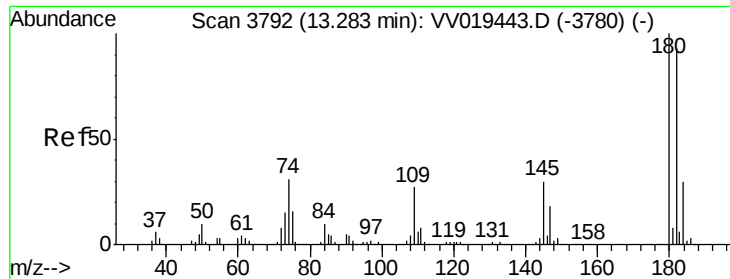
Ion 180.00 (179.70 to 180.70): V

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

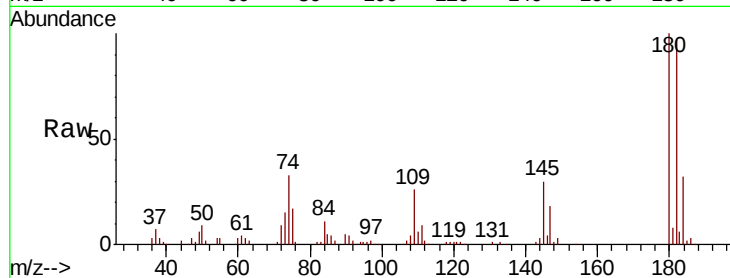




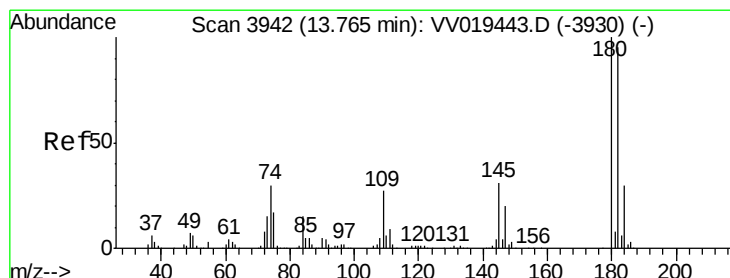
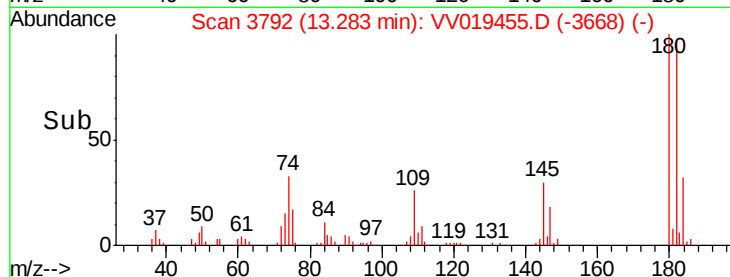
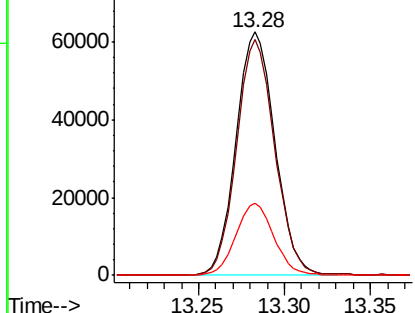
#68
 1,2,4-trichlorobenzene
 Concen: 28.523 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019455.D
 Acq: 02 Dec 2020 17:52

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FW4

Tot Ion:180 Resp: 98645
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.3 114.5
 145 28.9 23.4 35.2

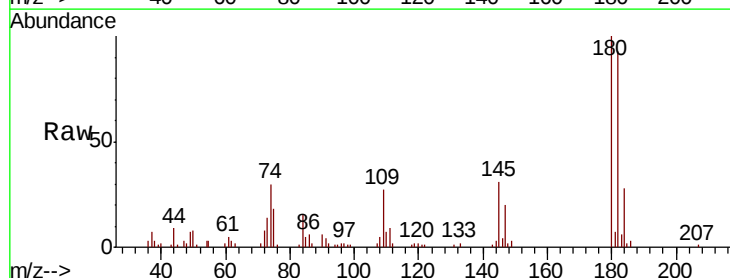


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 7.141 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV019455.D
 Acq: 02 Dec 2020 17:52

Tgt Ion:180 Resp: 25815
 Ion Ratio Lower Upper
 180 100
 182 92.5 76.6 115.0
 145 30.7 25.0 37.6



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

