

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120220\
 Data File : VV019453.D
 Acq On : 02 Dec 2020 17:02
 Operator : SY/MD
 Sample : L4921-05DL 500X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FW4DL

Quant Time: Dec 03 05:52:16 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	361845	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	363069	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	174612	50.00	ug/L	0.00

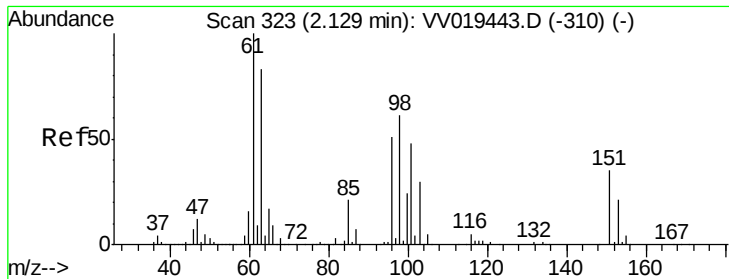
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	137854	38.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.28%
7) Chloroethane-d5	1.58	69	131291	44.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.28%
11) 1,1-Dichloroethene-d2	2.12	63	229434	35.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.34%
21) 2-Butanone-d5	3.90	46	237644	107.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.89%
24) Chloroform-d	4.37	84	283878	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.18%
26) 1,2-Dichloroethane-d4	5.05	65	197824	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
32) Benzene-d6	5.07	84	548785	51.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.24%
36) 1,2-Dichloropropane-d6	6.09	67	188455	52.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.54%
41) Toluene-d8	7.33	98	466203	48.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.96%
43) trans-1,3-Dichloropropene-	7.64	79	83843	48.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.20%
47) 2-Hexanone-d5	8.10	63	133012	94.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.52%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	217973	47.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.30%
64) 1,2-Dichlorobenzene-d4	11.64	152	182407	53.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.58%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2044	0.806	ug/L #	23
25) Chloroform	4.40	83	5707	1.053	ug/L #	74
33) Benzene	5.13	78	66046	6.079	ug/L	100
48) 2-Hexanone	8.16	43	15131	4.521	ug/L #	74
51) Chlorobenzene	8.90	112	277133	37.271	ug/L	100
59) 1,2,3-Trichloropropane	11.20	75	4524	1.149	ug/L #	45
62) 1,3-Dichlorobenzene	11.20	146	13220	2.602	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	105175	19.699	ug/L	97
65) 1,2-Dichlorobenzene	11.66	146	136768	26.224	ug/L	96
67) 1,3,5-Trichlorobenzene	13.29	180	16690	4.514	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	16690	5.098	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	4930	1.441	ug/L	91

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



#10

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

Concen: 0.806 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV019453.D

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MSVOA_V

ClientSampleId :

C0FW4DL

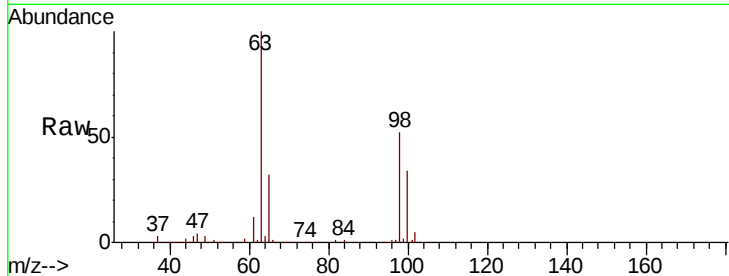
Tot Ion:101 Resp: 2044

Ion Ratio Lower Upper

101 100

85 4.9 35.5 53.3#

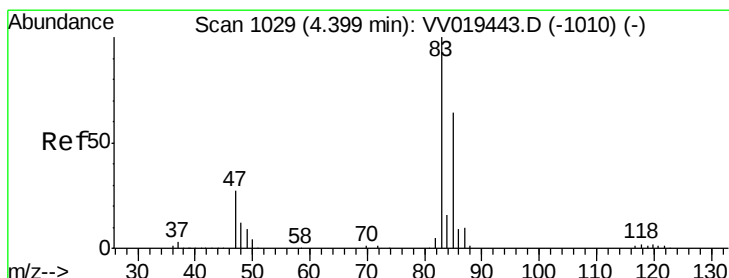
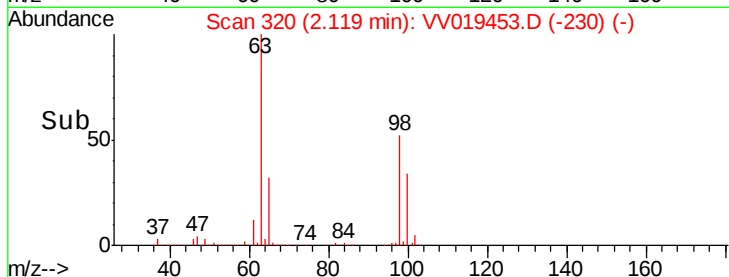
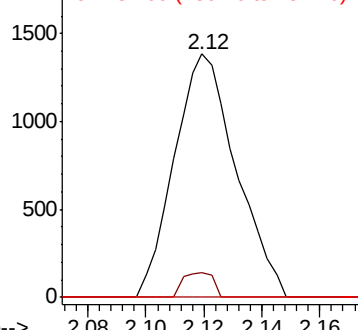
151 0.0 58.9 88.3#



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: 1.053 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV019453.D

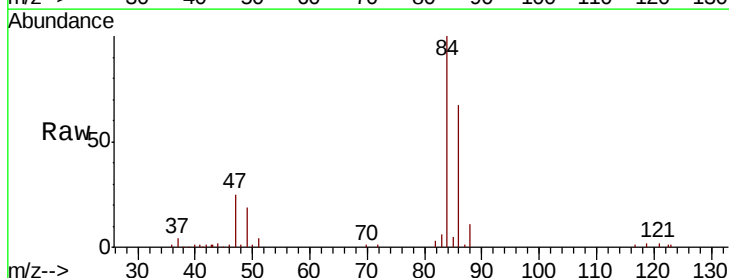
Acq: 02 Dec 2020 17:02

Tgt Ion: 83 Resp: 5707

Ion Ratio Lower Upper

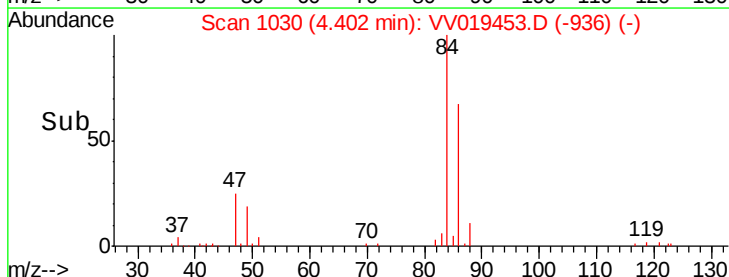
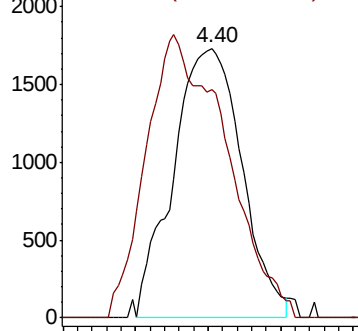
83 100

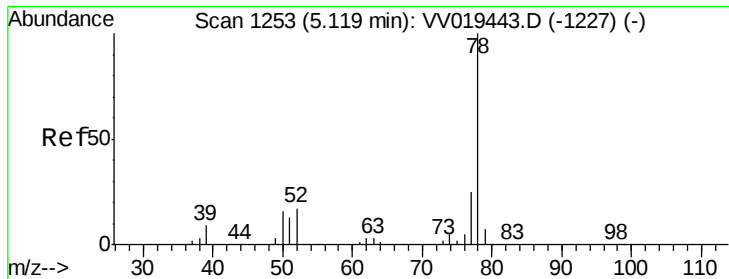
85 84.5 45.1 83.9#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 6.079 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VV019453.D

Acq: 02 Dec 2020 17:02

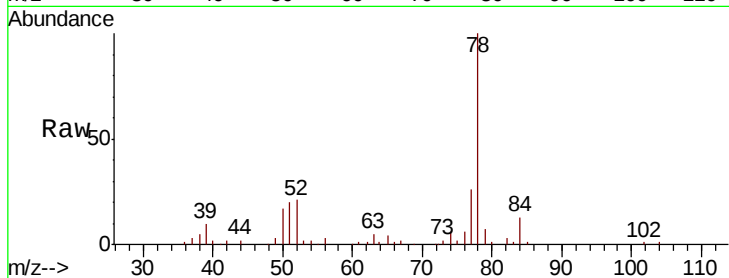
Instrument :

MSVOA_V

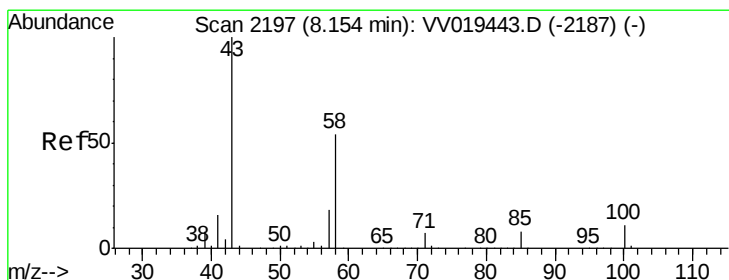
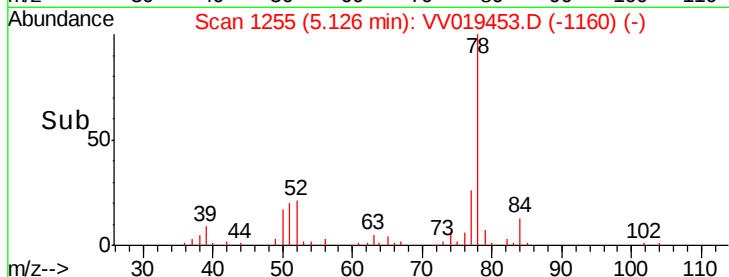
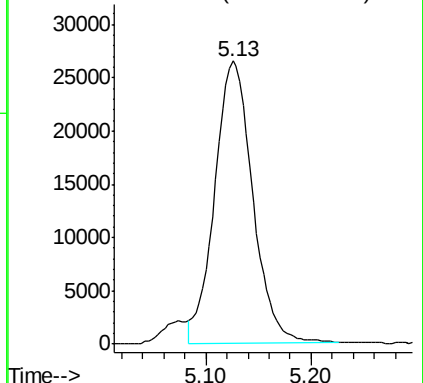
ClientSampleId :

C0FW4DL

Tgt Ion: 78 Resp: 66046



Abundance Ion 78.00 (77.70 to 78.70): VV0



#48

2-Hexanone

Concen: 4.521 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV019453.D

Acq: 02 Dec 2020 17:02

Tgt Ion: 43 Resp: 15131

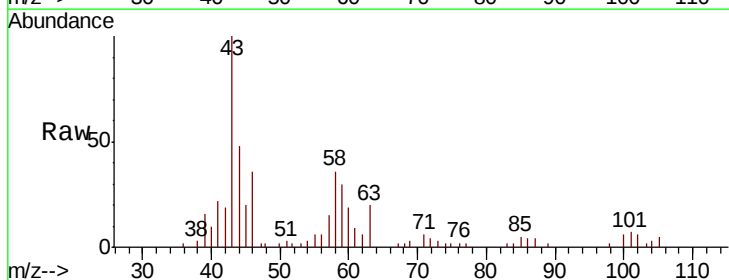
Ion Ratio Lower Upper

43 100

58 29.7 43.8 65.6#

57 15.7 15.4 23.2

100 6.8 9.0 13.6#

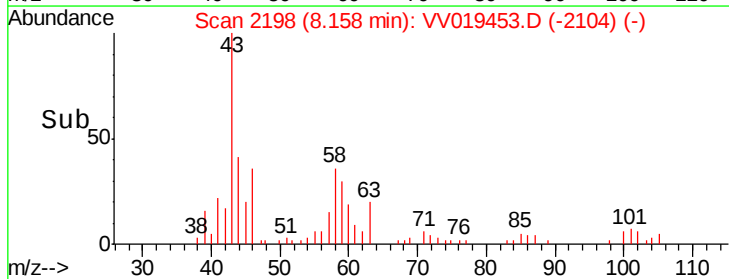
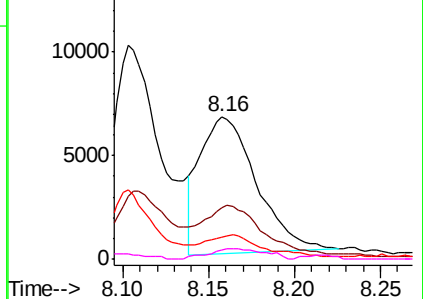


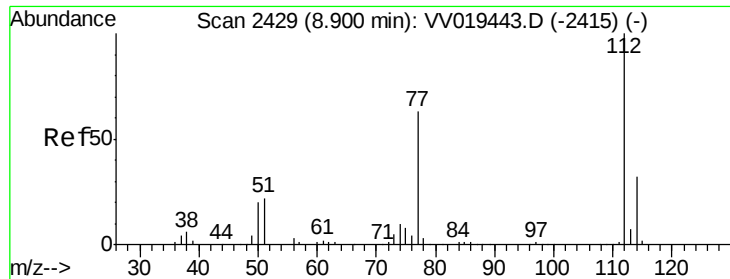
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 37.271 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV019453.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_V

ClientSampleId :

C0FW4DL

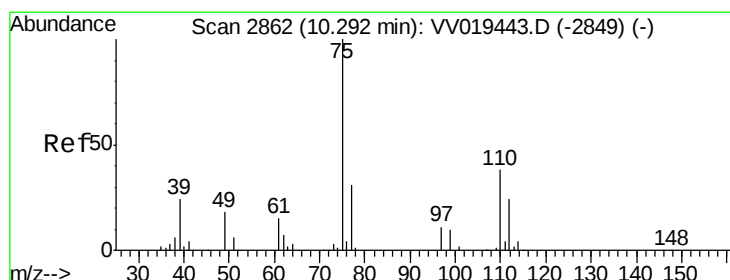
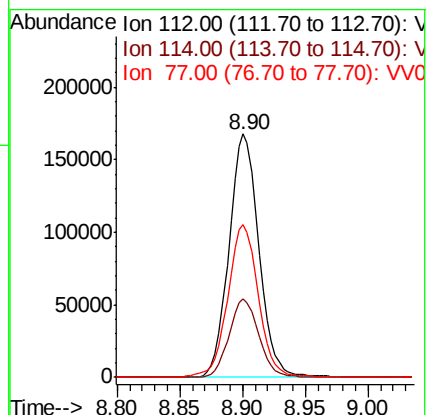
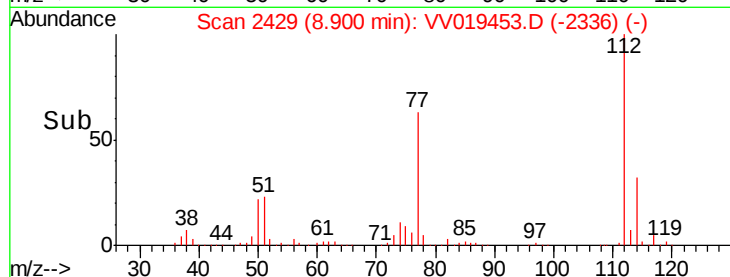
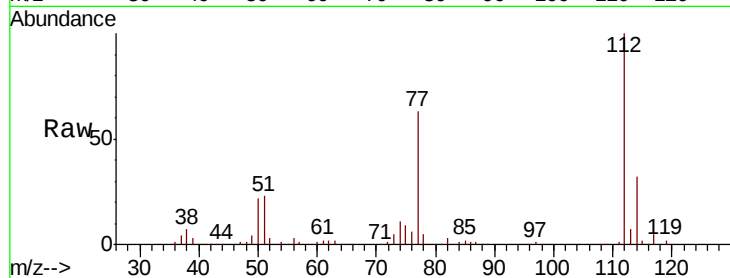
Tot Ion:112 Resp: 277133

Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.1

77 63.0 50.3 75.5



#59

1,2,3-Trichloropropane

Concen: 1.149 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV019453.D

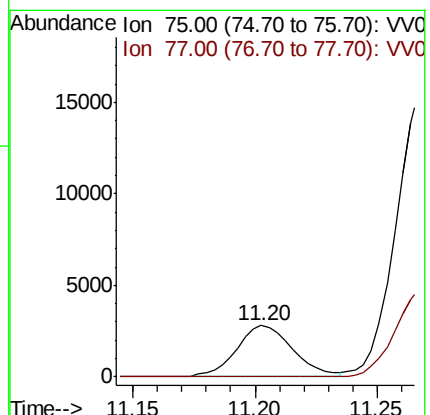
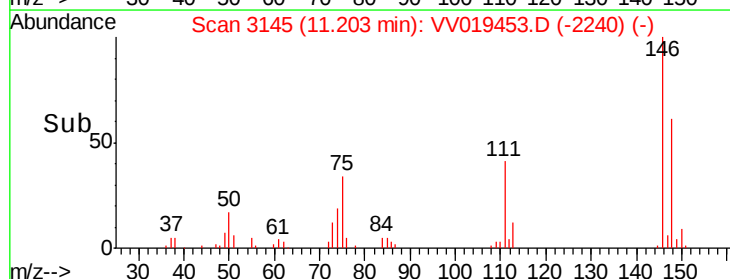
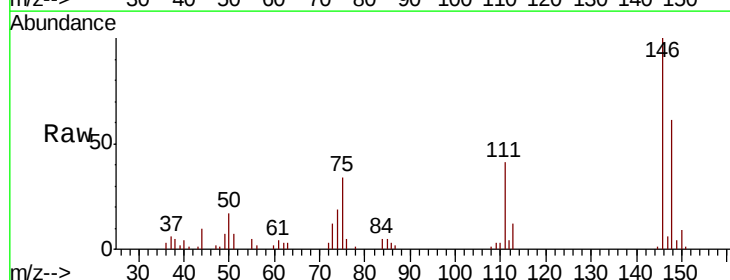
Acq: 02 Dec 2020 17:02

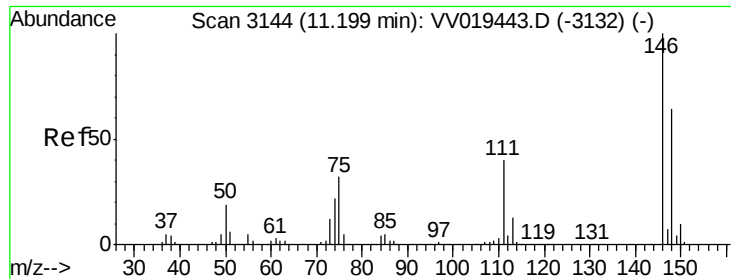
Tgt Ion: 75 Resp: 4524

Ion Ratio Lower Upper

75 100

77 1.0 25.2 37.8#





#62

1,3-Dichlorobenzene

Concen: 2.602 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV019453.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_V

ClientSampleId :

C0FW4DL

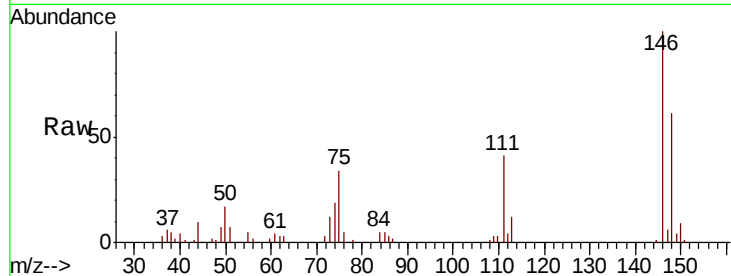
Tot Ion:146 Resp: 13220

Ion Ratio Lower Upper

146 100

111 40.6 27.9 51.7

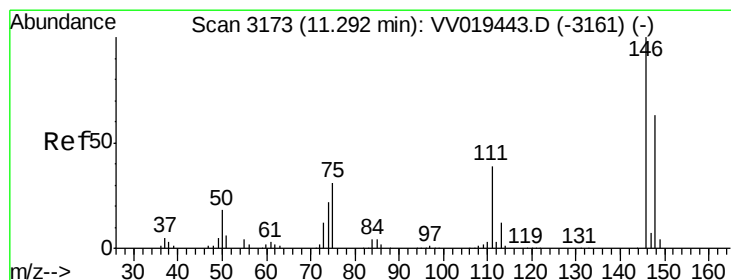
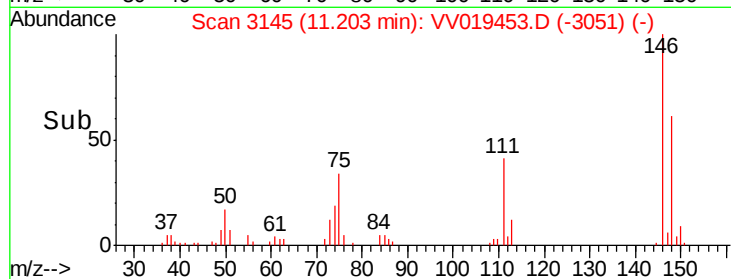
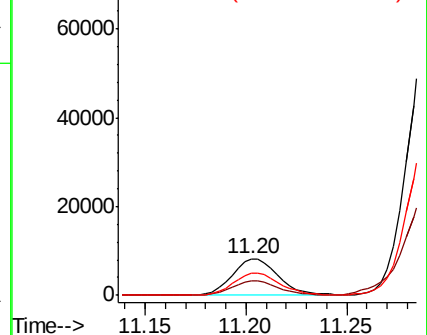
148 61.1 44.4 82.5



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: 19.699 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019453.D

Acq: 02 Dec 2020 17:02

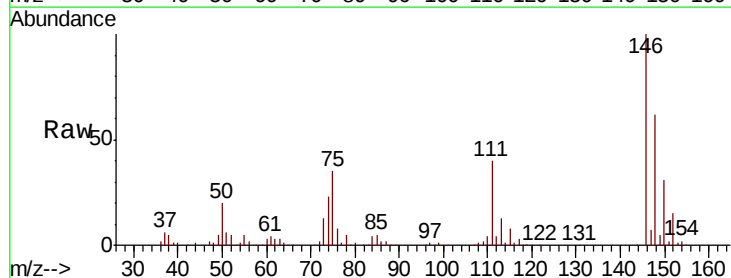
Tgt Ion:146 Resp: 105175

Ion Ratio Lower Upper

146 100

111 39.8 26.7 49.7

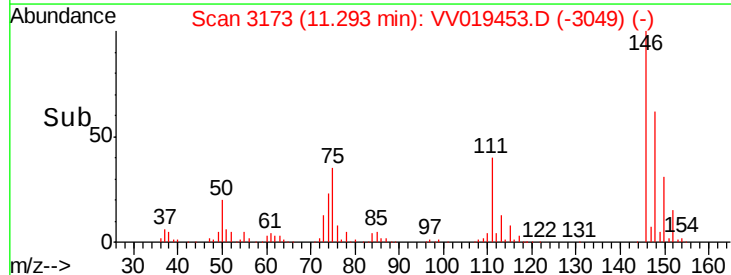
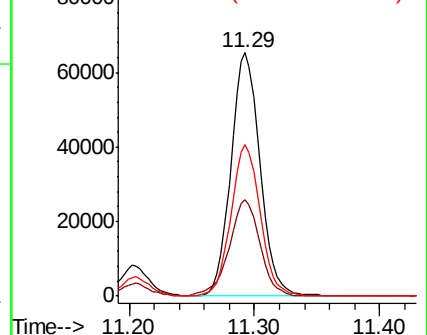
148 62.0 45.2 84.0

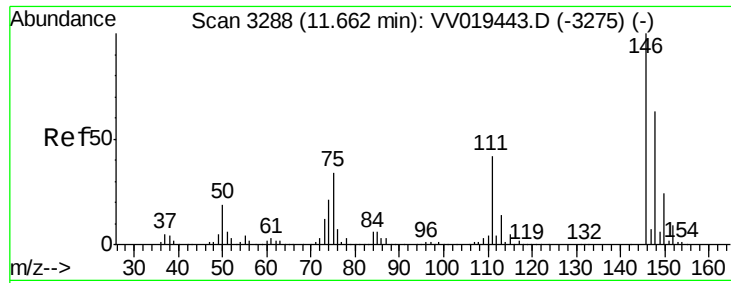


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 26.224 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019453.D

Acq: 02 Dec 2020 17:02

Instrument :

MSVOA_V

ClientSampled :

C0FW4DL

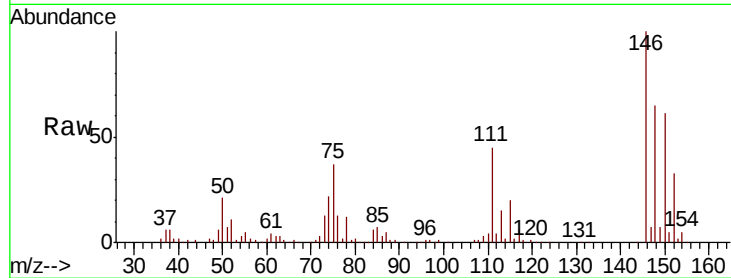
Tot Ion:146 Resp: 136768

Ion Ratio Lower Upper

146 100

111 45.0 33.8 50.8

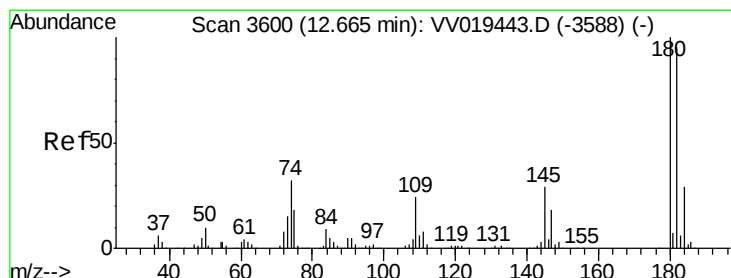
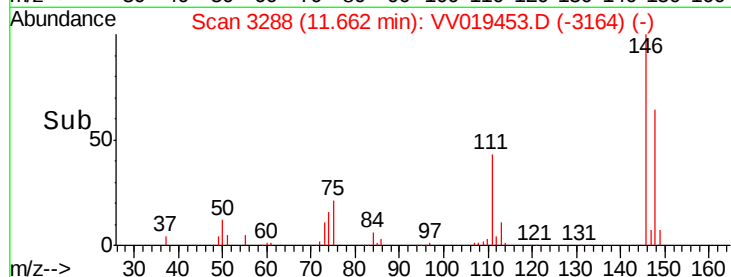
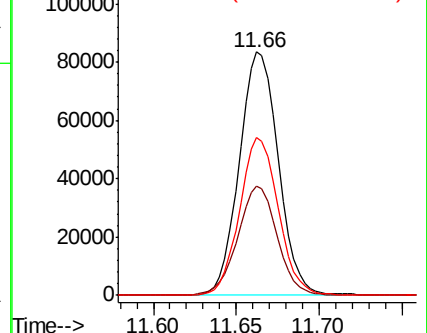
148 64.8 49.8 74.8



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: 4.514 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV019453.D

Acq: 02 Dec 2020 17:02

Tgt Ion:180 Resp: 16690

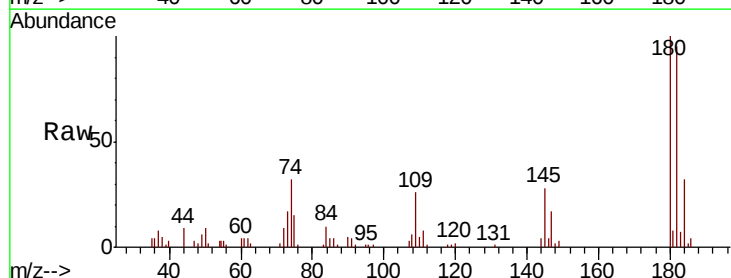
Ion Ratio Lower Upper

180 100

182 94.5 77.0 115.4

184 32.5 24.2 36.2

145 29.4 23.2 34.8

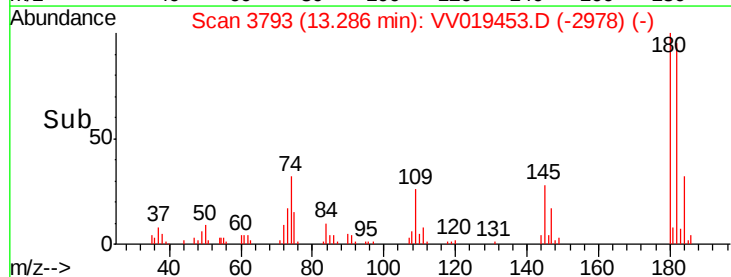
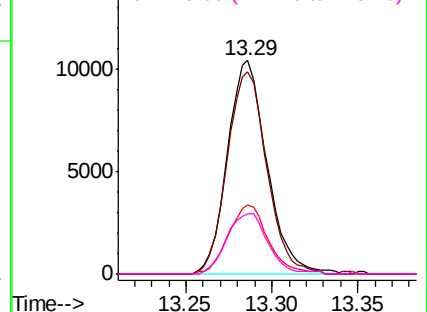


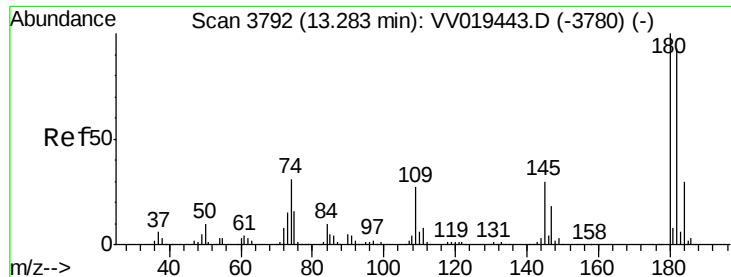
Abundance Ion 180.00 (179.70 to 180.70): V

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

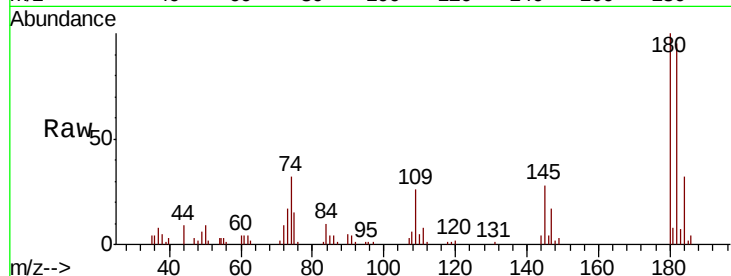




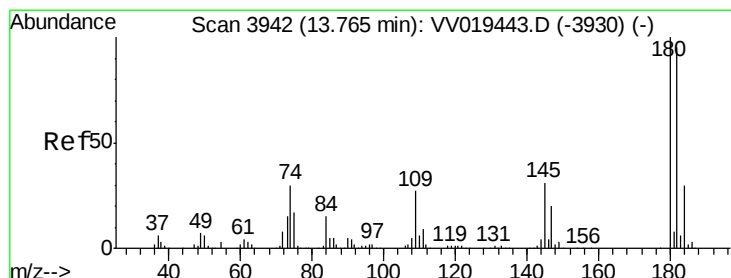
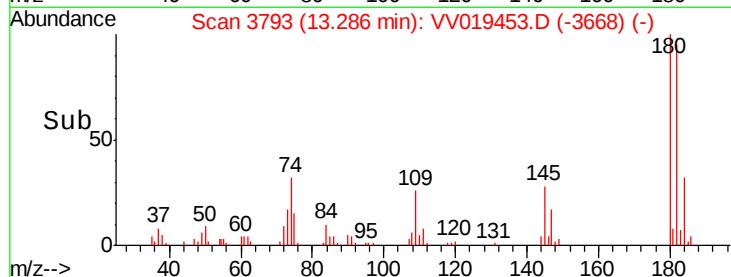
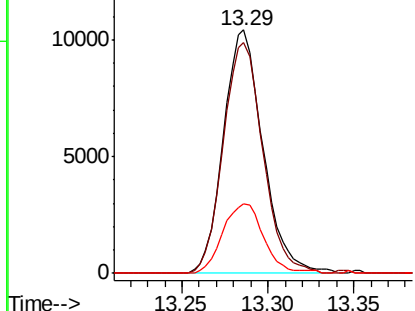
#68
 1,2,4-trichlorobenzene
 Concen: 5.098 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019453.D
 Acq: 02 Dec 2020 17:02

Instrument :
 MSVOA_V
 ClientSampled :
 C0FW4DL

Tot Ion:180 Resp: 16690
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.3 114.5
 145 29.4 23.4 35.2

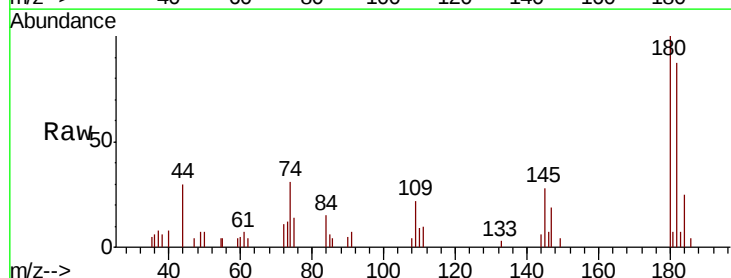


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1.441 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019453.D
 Acq: 02 Dec 2020 17:02

Tgt Ion:180 Resp: 4930
 Ion Ratio Lower Upper
 180 100
 182 86.8 76.6 115.0
 145 26.9 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

