

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121820\
 Data File : VV019710.D
 Acq On : 18 Dec 2020 19:20
 Operator : SY/MD
 Sample : L5101-05 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FX1

Quant Time: Dec 19 05:29:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 05:26:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	586609	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	548971	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	255963	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	177898	42.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.58%
7) Chloroethane-d5	1.57	69	154950	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.11	63	265057	33.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.90%
21) 2-Butanone-d5	3.89	46	303489	132.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	132.74%#
24) Chloroform-d	4.35	84	358883	47.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.68%
26) 1,2-Dichloroethane-d4	5.04	65	250057	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.94%
32) Benzene-d6	5.05	84	706378	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.50%
36) 1,2-Dichloropropane-d6	6.07	67	229505	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.08%
41) Toluene-d8	7.32	98	613888	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%
43) trans-1,3-Dichloropropene-	7.62	79	109123	41.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.66%
47) 2-Hexanone-d5	8.09	63	216186	120.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.10%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	298271	48.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.16%
64) 1,2-Dichlorobenzene-d4	11.63	152	238090	49.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.52%

Target Compounds

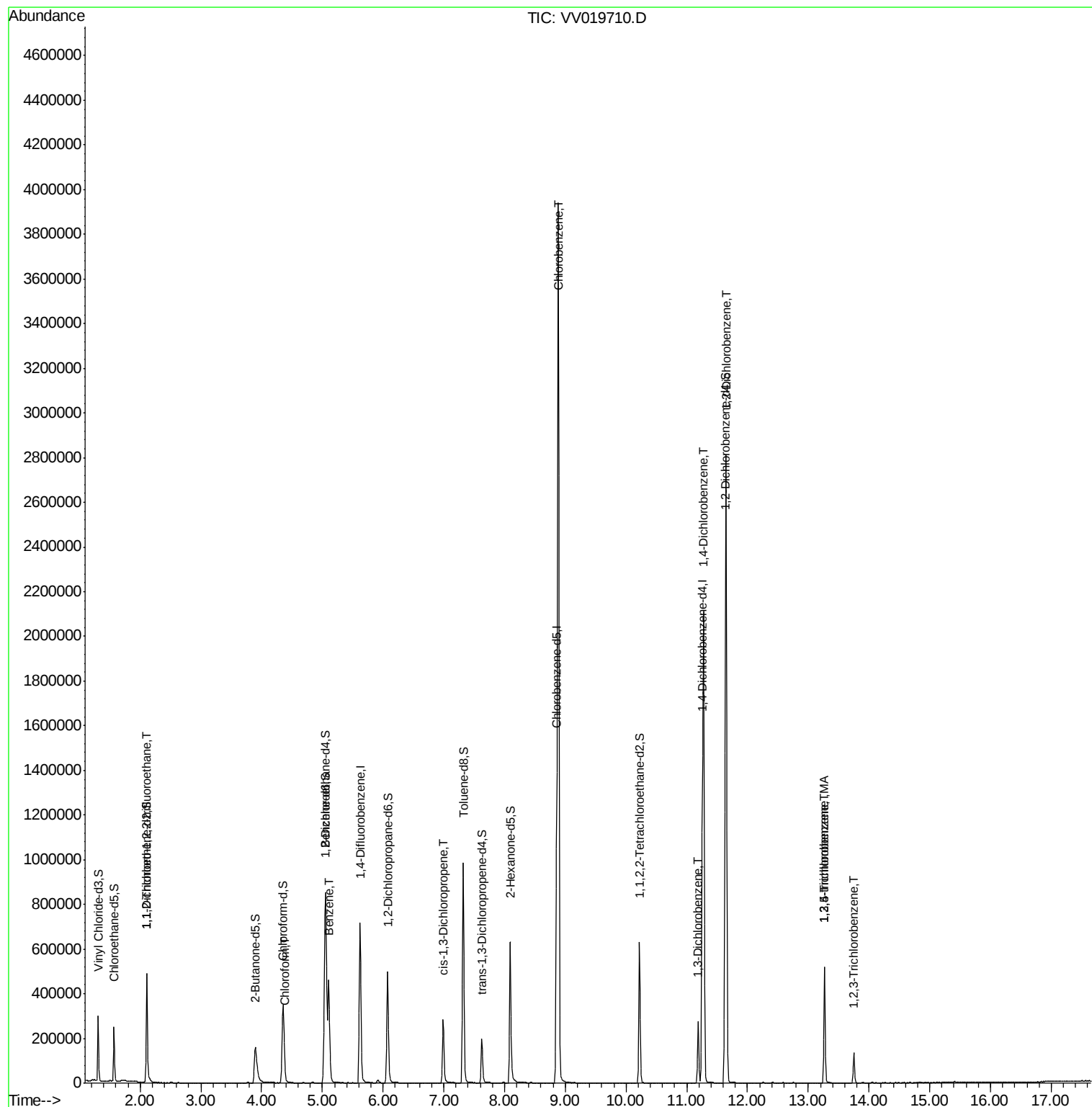
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	2265	0.665	ug/L #	23
25) Chloroform	4.39	83	7973	1.075	ug/L	95
33) Benzene	5.10	78	454632	28.336	ug/L	100
39) cis-1,3-Dichloropropene	6.99	75	6791	0.976	ug/L #	56
51) Chlorobenzene	8.88	112	1910923	176.936	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	99248	12.638	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	725333	91.210	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	930750	119.942	ug/L	100
67) 1,3,5-Trichlorobenzene	13.27	180	136709	24.639	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	136709	26.352	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	35468	6.996	ug/L	99

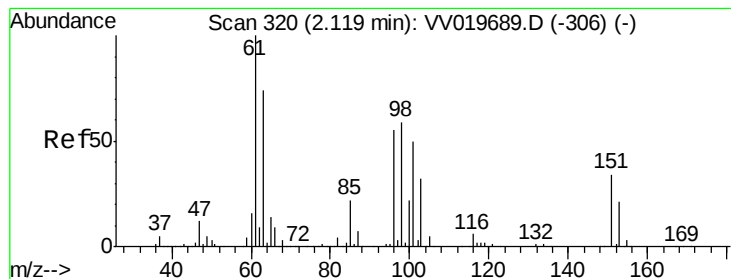
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.665 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV019710.D

Acq: 18 Dec 2020 19:20

Instrument :

MSVOA_V

ClientSampleId :

C0FX1

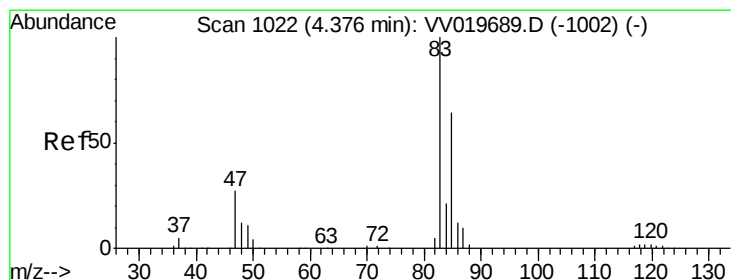
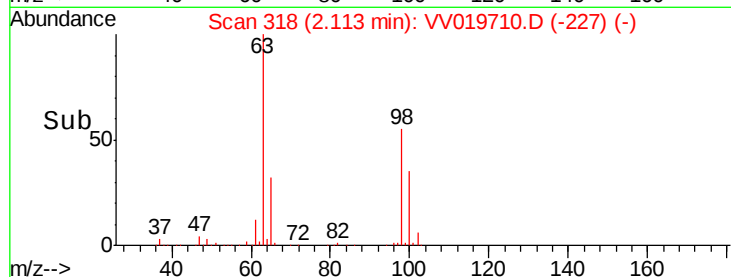
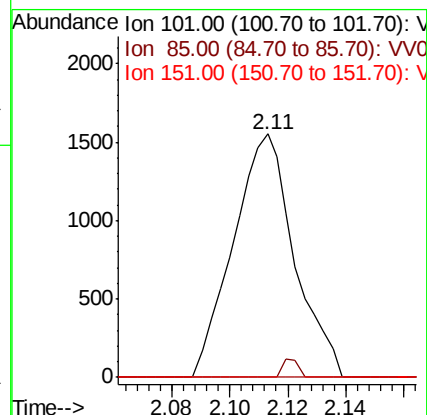
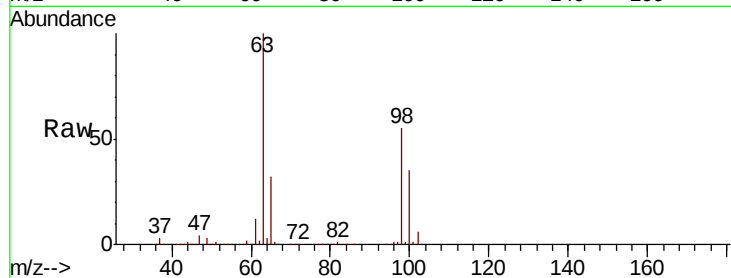
Tot Ion:101 Resp: 2265

Ion Ratio Lower Upper

101 100

85 1.9 35.0 52.4#

151 0.0 55.8 83.8#



#25

Chloroform

Concen: 1.075 ug/L

RT: 4.39 min Scan# 1025

Delta R.T. 0.01 min

Lab File: VV019710.D

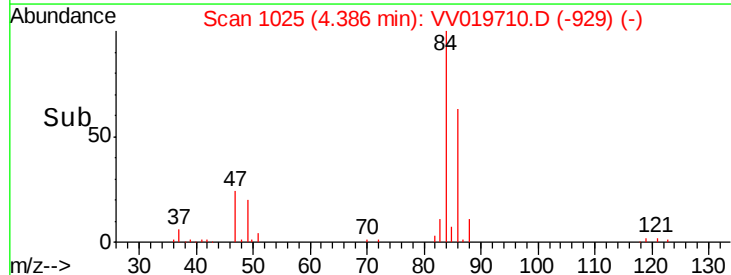
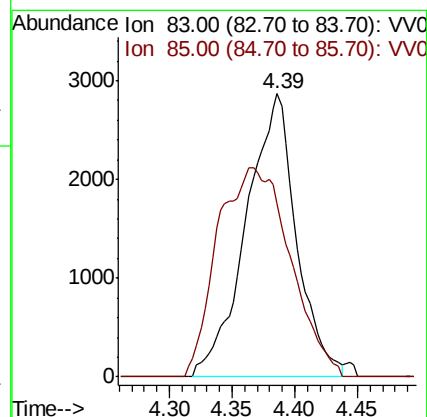
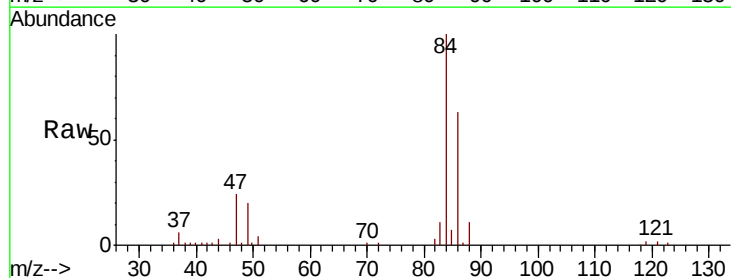
Acq: 18 Dec 2020 19:20

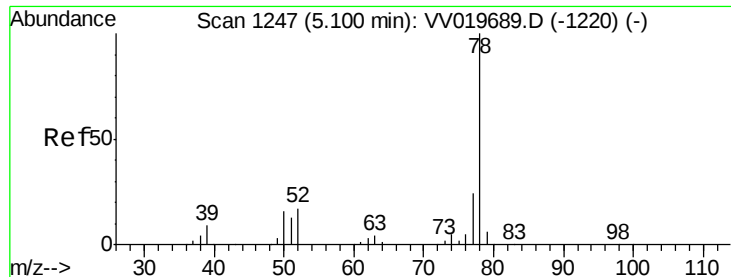
Tgt Ion: 83 Resp: 7973

Ion Ratio Lower Upper

83 100

85 61.3 45.6 84.6





#33

Benzene

Concen: 28.336 ug/L

RT: 5.10 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VV019710.D

Acq: 18 Dec 2020 19:20

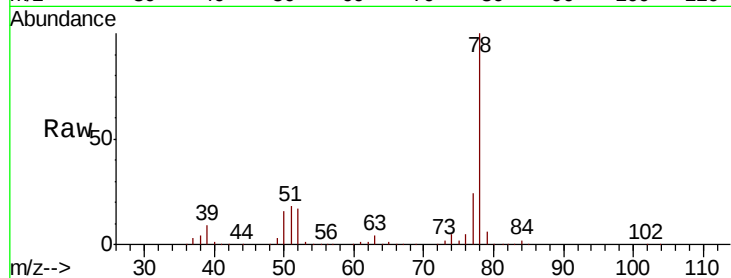
Instrument :

MSVOA_V

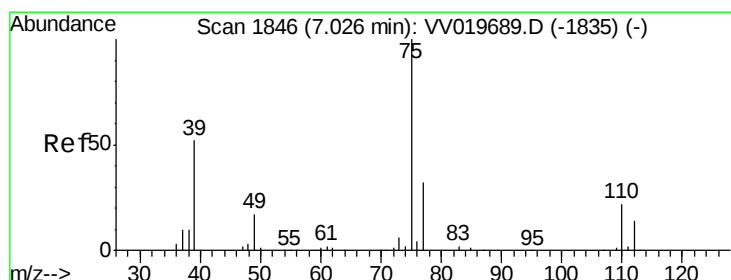
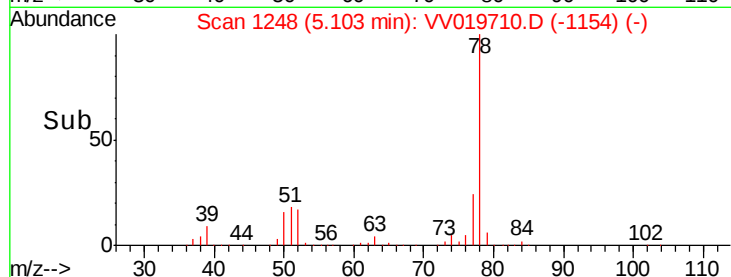
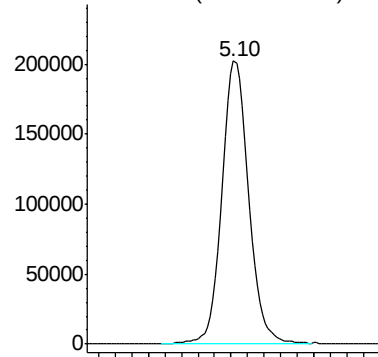
ClientSampleId :

C0FX1

Tgt Ion: 78 Resp: 454632



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 0.976 ug/L

RT: 6.99 min Scan# 1835

Delta R.T. -0.04 min

Lab File: VV019710.D

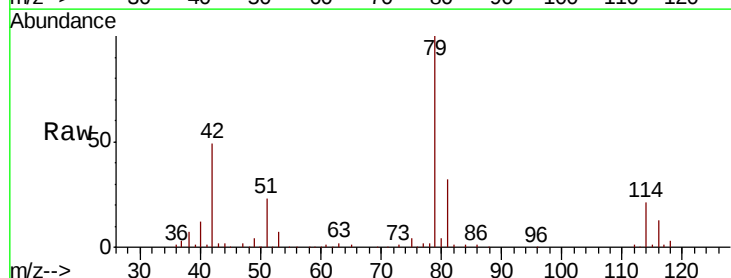
Acq: 18 Dec 2020 19:20

Tgt Ion: 75 Resp: 6791

Ion Ratio Lower Upper

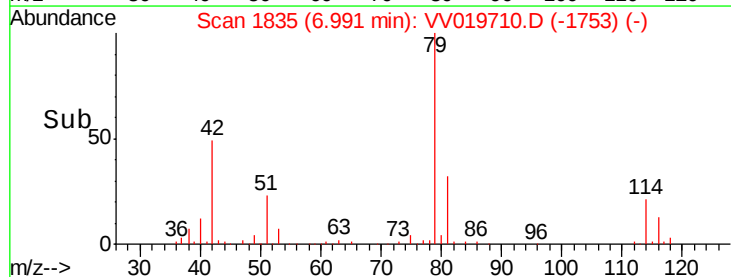
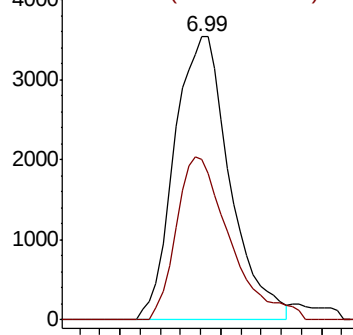
75 100

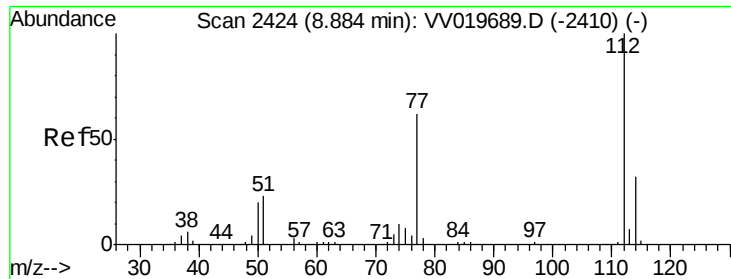
77 56.6 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#51

Chlorobenzene

Concen: 176.936 ug/L

RT: 8.88 min Scan# 2424

Delta R.T. 0.00 min

Lab File: VV019710.D

Acq: 18 Dec 2020 19:20

Instrument :

MSVOA_V

ClientSampleId :

C0FX1

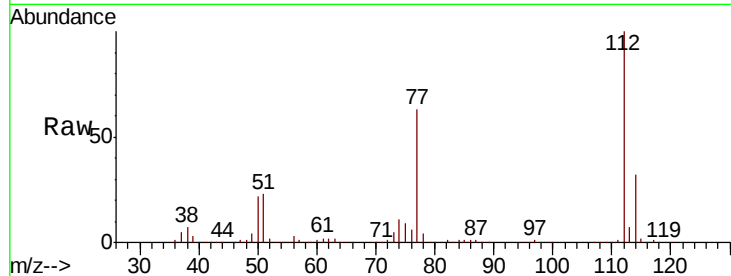
Tot Ion:112 Resp: 1910923

Ion Ratio Lower Upper

112 100

114 31.8 22.2 41.2

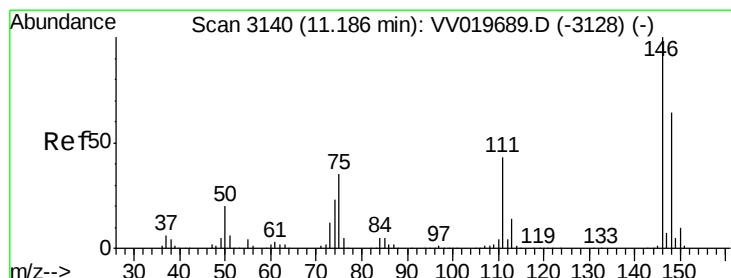
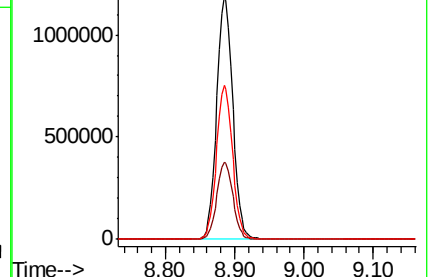
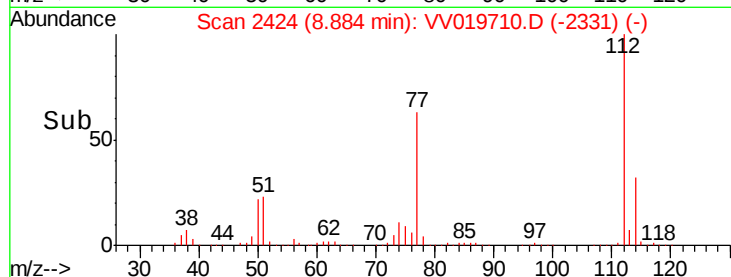
77 63.3 50.6 75.8



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



#62

1,3-Dichlorobenzene

Concen: 12.638 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VV019710.D

Acq: 18 Dec 2020 19:20

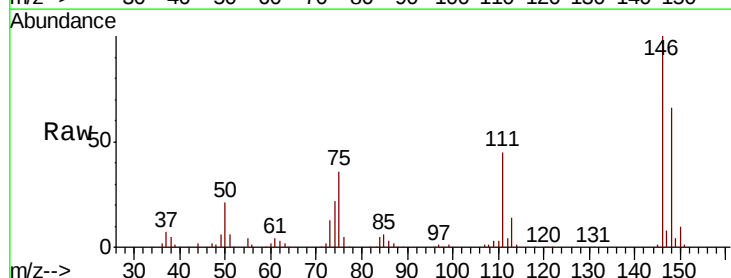
Tgt Ion:146 Resp: 99248

Ion Ratio Lower Upper

146 100

111 45.4 30.7 57.1

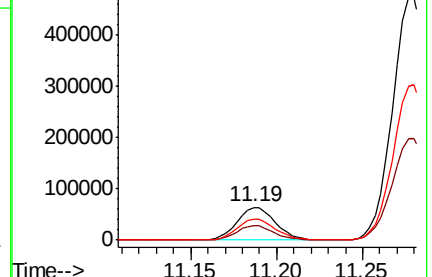
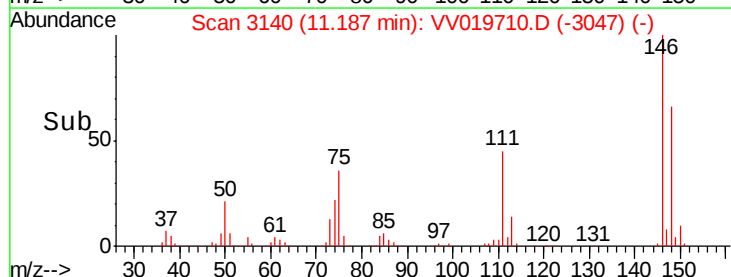
148 65.8 45.3 84.1

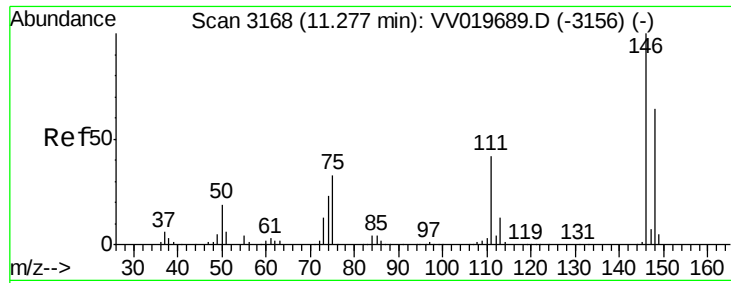


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 91.210 ug/L

RT: 11.28 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VV019710.D

Acq: 18 Dec 2020 19:20

Instrument :

MSVOA_V

ClientSampleId :

C0FX1

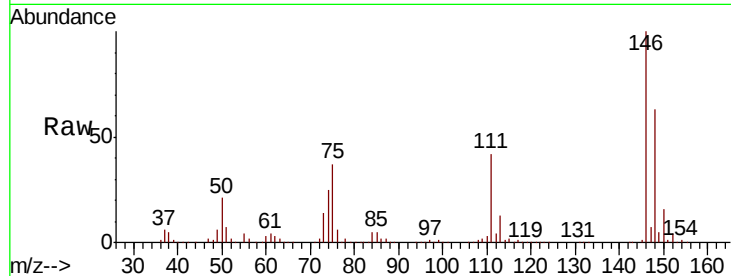
Tot Ion:146 Resp: 725333

Ion Ratio Lower Upper

146 100

111 41.8 29.8 55.4

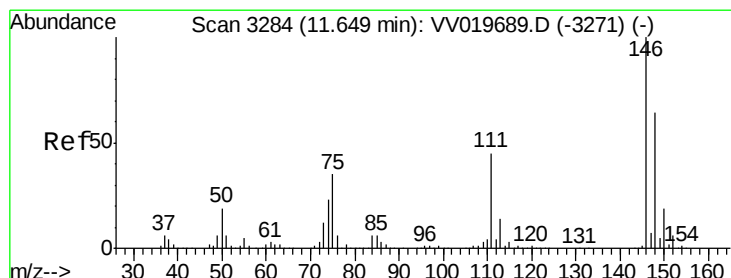
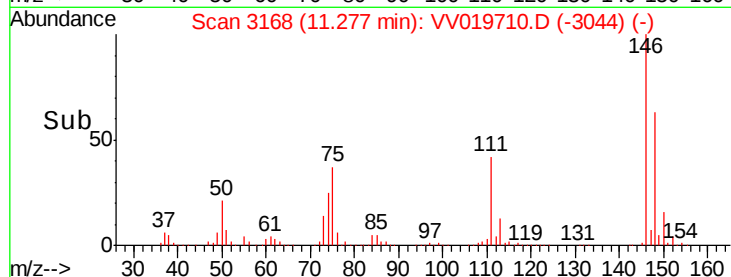
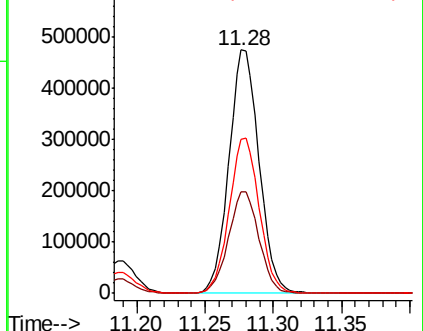
148 63.3 44.2 82.0



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: 119.942 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. 0.00 min

Lab File: VV019710.D

Acq: 18 Dec 2020 19:20

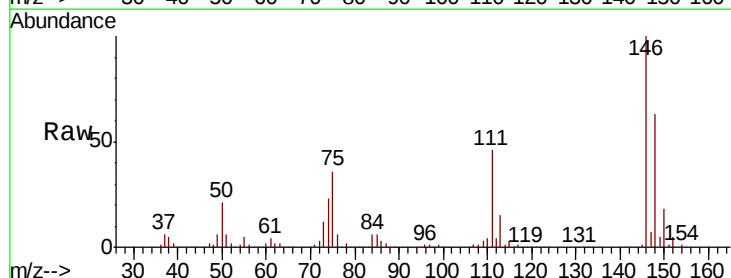
Tgt Ion:146 Resp: 930750

Ion Ratio Lower Upper

146 100

111 45.6 36.6 55.0

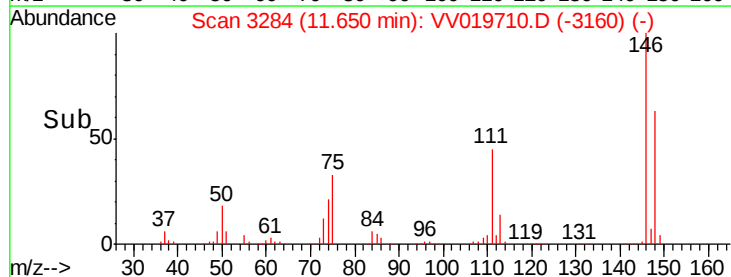
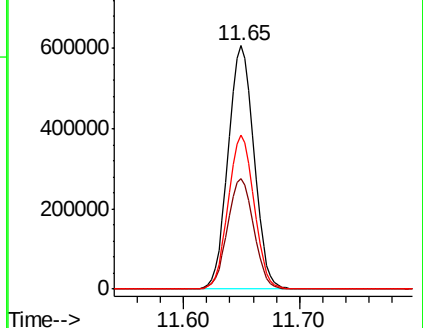
148 63.0 50.7 76.1

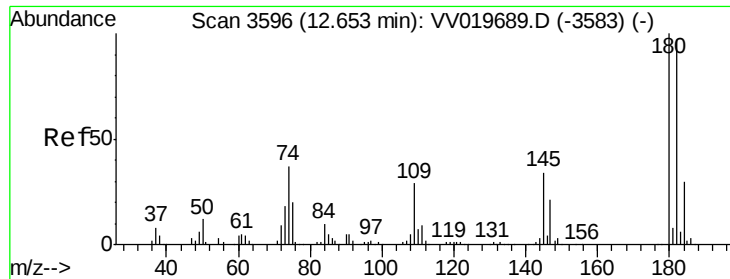


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

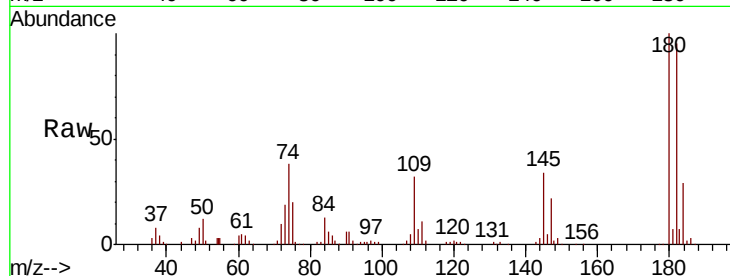




#67
 1,3,5-Trichlorobenzene
 Concen: 24.639 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. 0.61 min
 Lab File: VV019710.D
 Acq: 18 Dec 2020 19:20

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FX1

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.8	113.6
184	29.7	23.9	35.9
145	34.1	26.2	39.2



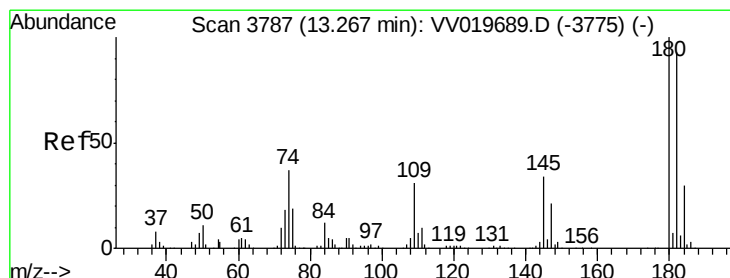
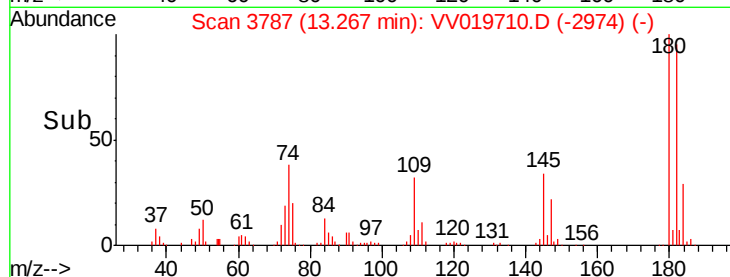
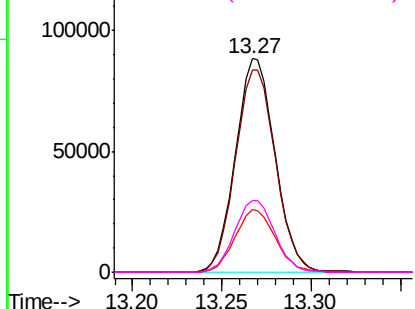
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

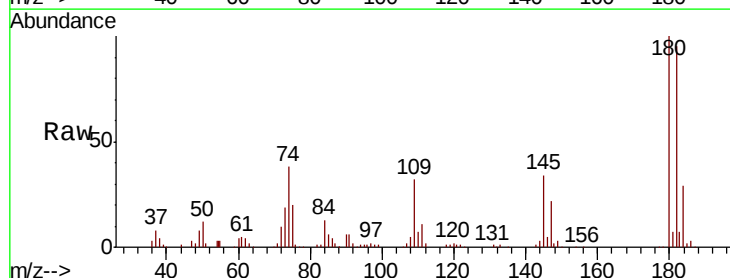
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.352 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. 0.00 min
 Lab File: VV019710.D
 Acq: 18 Dec 2020 19:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.5	114.7
145	34.1	27.0	40.6

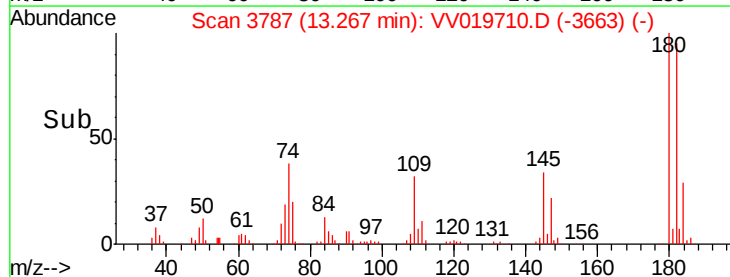
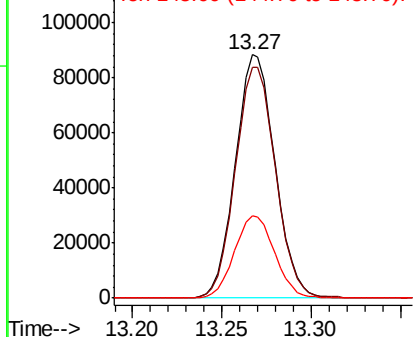


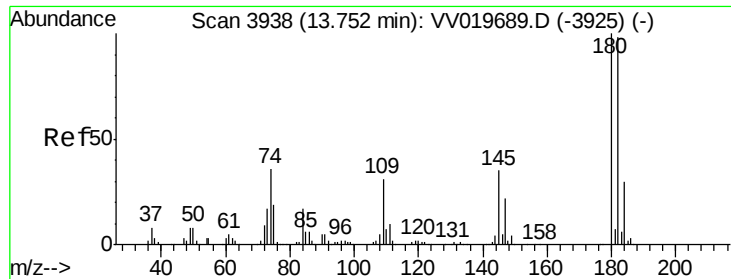
Abundance

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





#70
 1,2,3-Trichlorobenzene
 Concen: 6.996 ug/L
 RT: 13.75 min Scan# 3938
 Delta R.T. 0.00 min
 Lab File: VV019710.D
 Acq: 18 Dec 2020 19:20

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FX1

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	94.0	75.8	113.6	
145	36.1	29.1	43.7	

