

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019079.D
 Acq On : 22 Oct 2020 19:47
 Operator : SY/MD
 Sample : L4483-05 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH3

Quant Time: Oct 23 06:33:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 13:54:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	308858	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	294870	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	146562	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	121146	43.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.36%
7) Chloroethane-d5	1.58	69	102783	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.02%
11) 1,1-Dichloroethene-d2	2.12	63	188543	35.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.76%
21) 2-Butanone-d5	3.91	46	173002	91.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.68%
24) Chloroform-d	4.37	84	220609	44.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.90%
26) 1,2-Dichloroethane-d4	5.05	65	155901	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
32) Benzene-d6	5.07	84	440255	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
36) 1,2-Dichloropropane-d6	6.09	67	142790	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.74%
41) Toluene-d8	7.34	98	367190	45.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.04%
43) trans-1,3-Dichloropropene-	7.64	79	67067	44.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.60%
47) 2-Hexanone-d5	8.11	63	114169	89.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.87%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	174396	44.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	148007	48.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%

Target Compounds

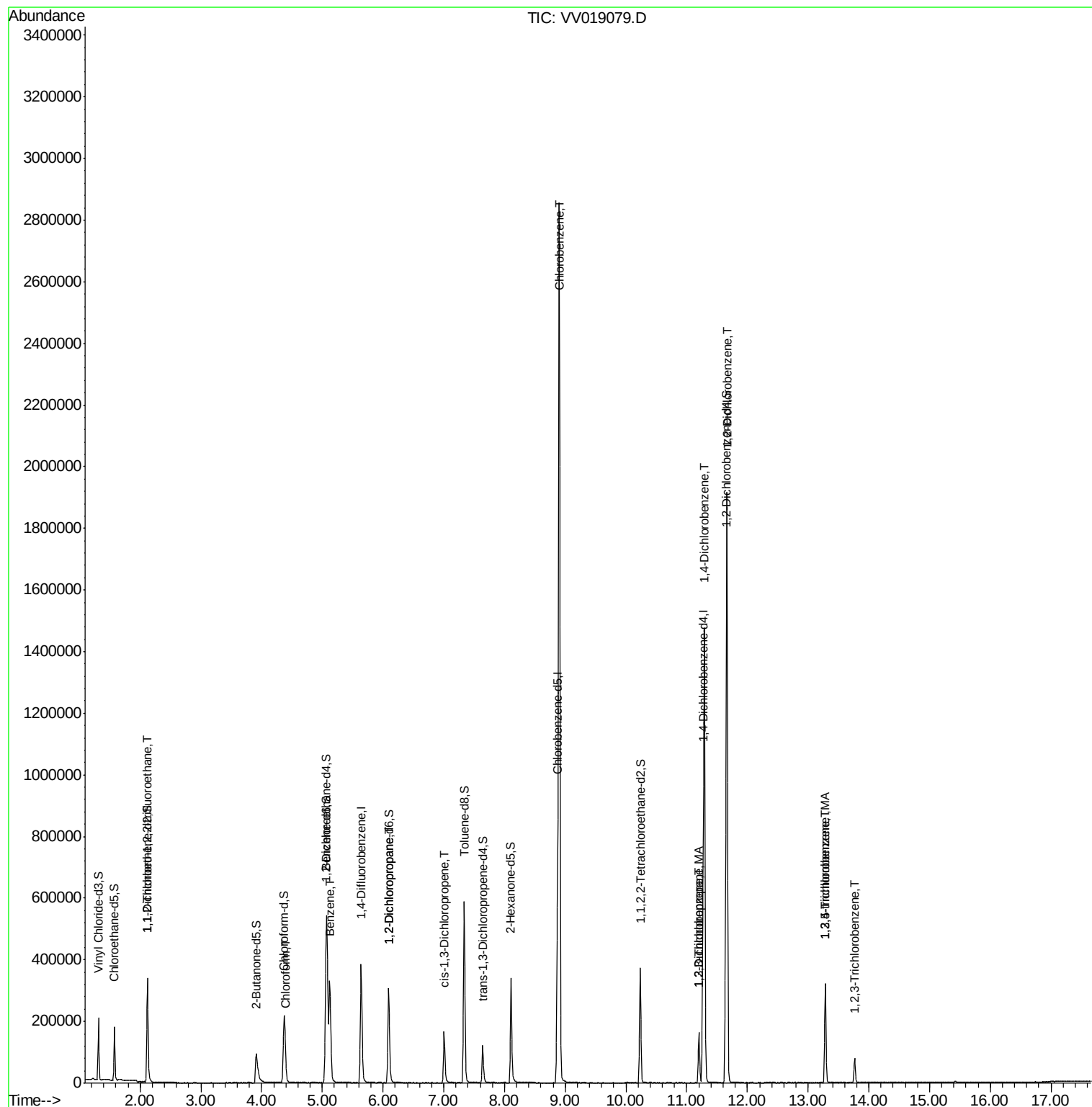
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1551	0.752	ug/L #	21
25) Chloroform	4.41	83	4029	0.929	ug/L	90
33) Benzene	5.13	78	315652	34.968	ug/L	100
37) 1,2-Dichloropropane	6.09	63	16489	6.635	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	4186	1.140	ug/L #	68
51) Chlorobenzene	8.90	112	1398700	235.366	ug/L	100
59) 1,2,3-Trichloropropane	11.20	75	19869	6.838	ug/L #	43
62) 1,3-Dichlorobenzene	11.20	146	64490	14.663	ug/L	96
63) 1,4-Dichlorobenzene	11.29	146	532181	115.796	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	670607	151.223	ug/L	99
67) 1,3,5-Trichlorobenzene	13.28	180	95370	31.755	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	95370	33.676	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	23940	8.343	ug/L	98

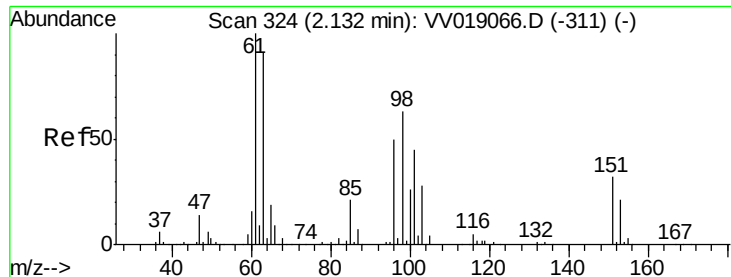
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Oct 22 13:54:49 2020
Response via : Initial Calibration





#10

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

Concen: 0.752 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019079.D

Acq: 22 Oct 2020 19:47

Instrument :

MSVOA_V

ClientSampled :

C0FH3

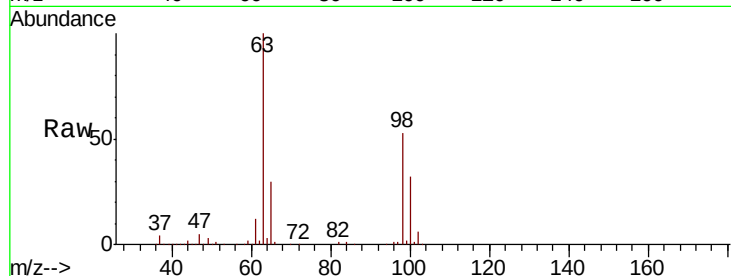
Tot Ion:101 Resp: 1551

Ion Ratio Lower Upper

101 100

85 2.6 36.9 55.3#

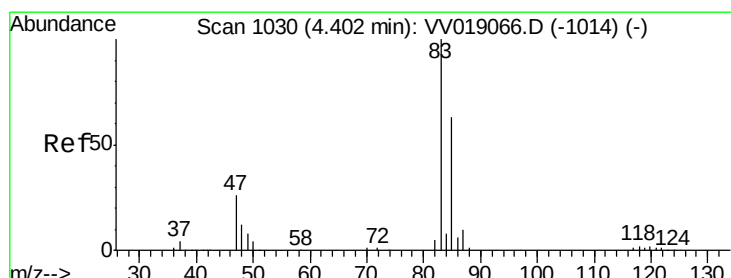
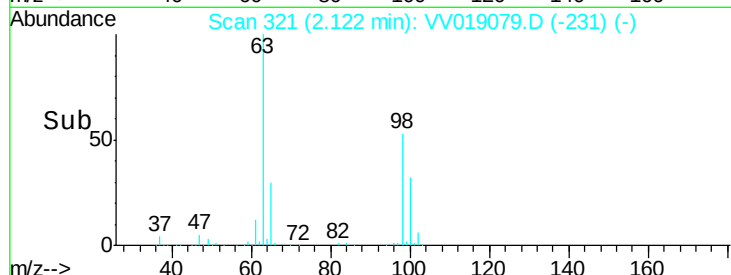
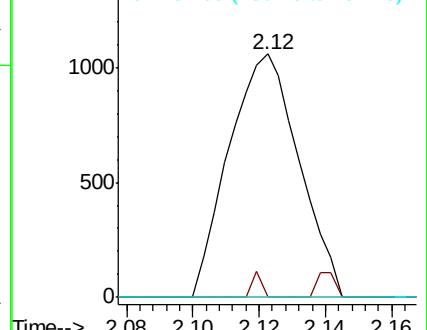
151 0.0 58.2 87.2#



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: 0.929 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV019079.D

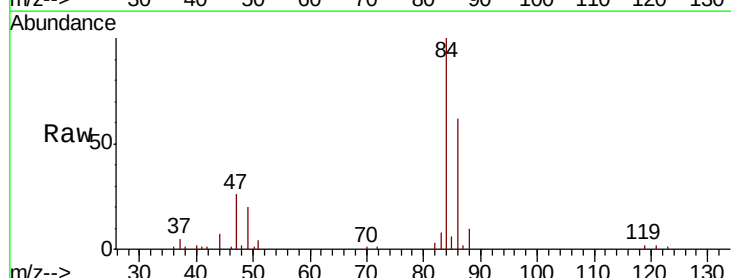
Acq: 22 Oct 2020 19:47

Tgt Ion: 83 Resp: 4029

Ion Ratio Lower Upper

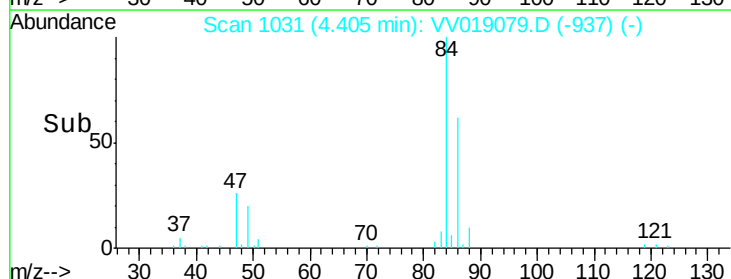
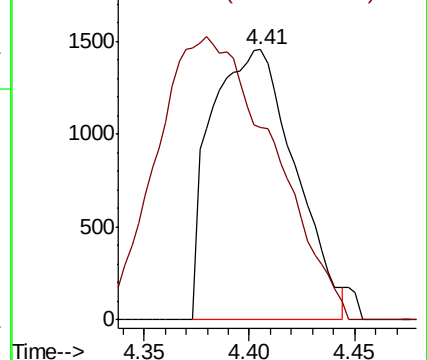
83 100

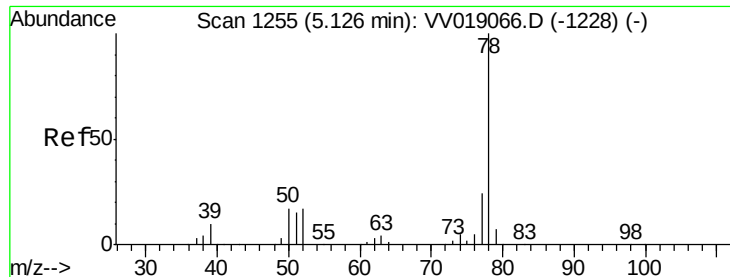
85 71.4 44.5 82.7



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 34.968 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV019079.D

Acq: 22 Oct 2020 19:47

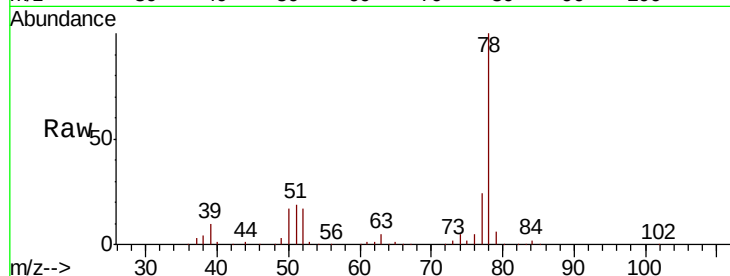
Instrument :

MSVOA_V

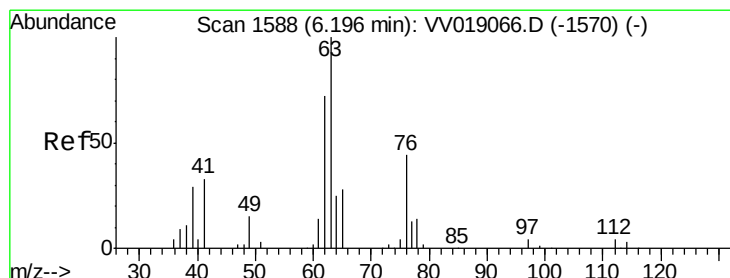
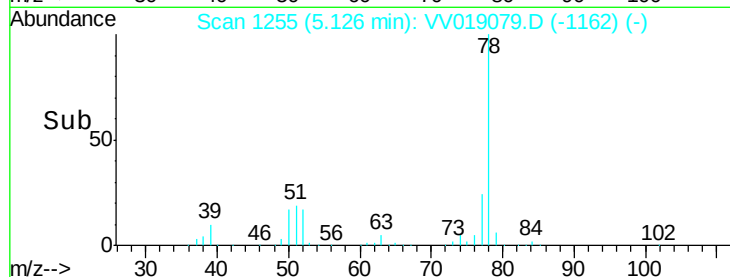
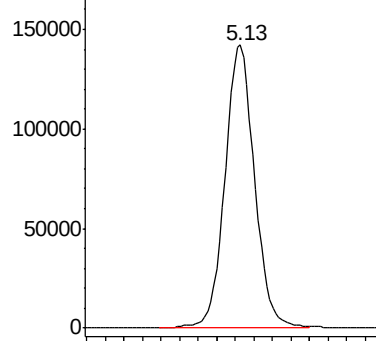
ClientSampled :

C0FH3

Tgt Ion: 78 Resp: 315652



Abundance Ion 78.00 (77.70 to 78.70): VV0



#37

1,2-Dichloropropane

Concen: 6.635 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV019079.D

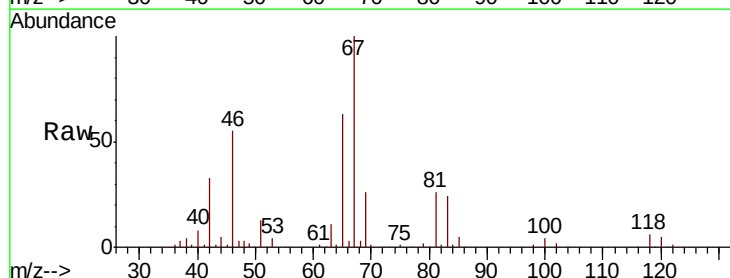
Acq: 22 Oct 2020 19:47

Tgt Ion: 63 Resp: 16489

Ion Ratio Lower Upper

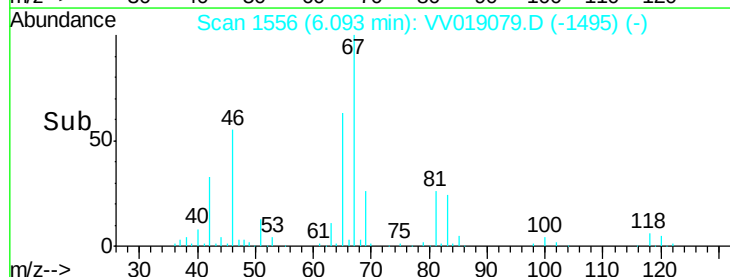
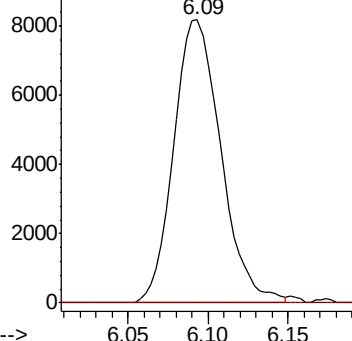
63 100

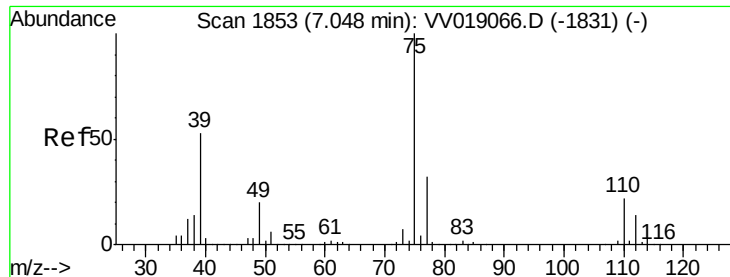
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

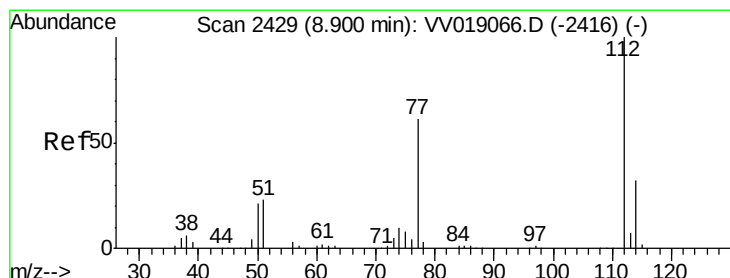
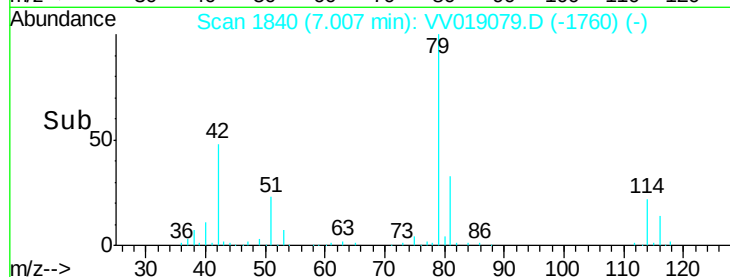
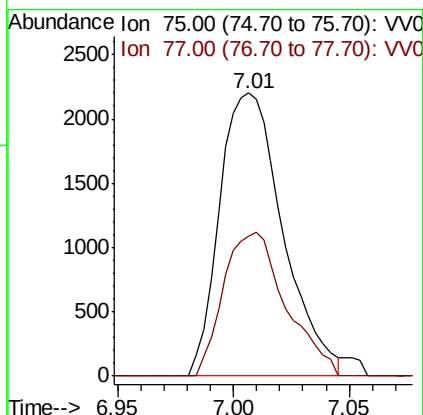
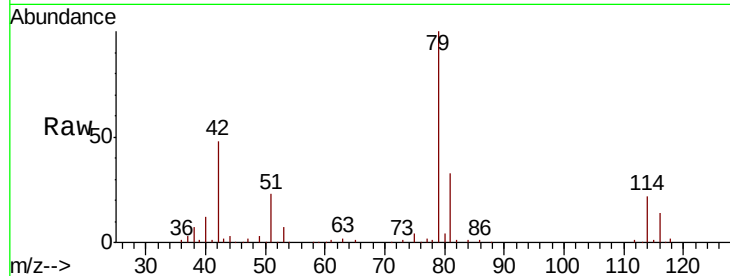




#39
 cis-1,3-Dichloropropene
 Concen: 1.140 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV019079.D
 Acq: 22 Oct 2020 19:47

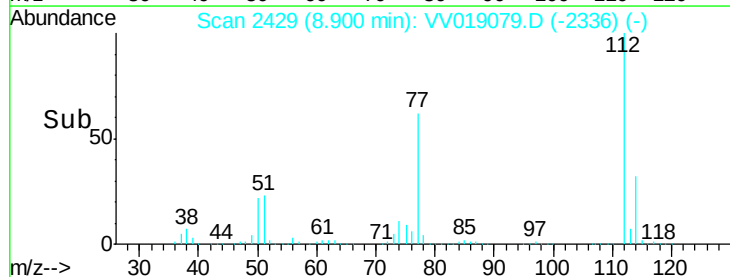
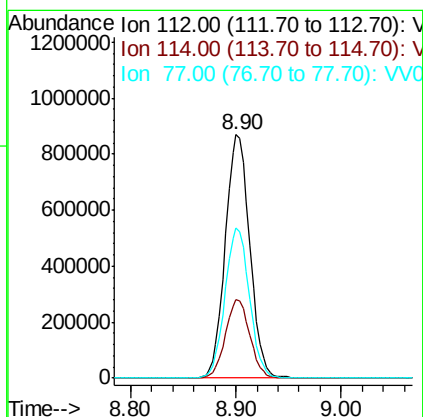
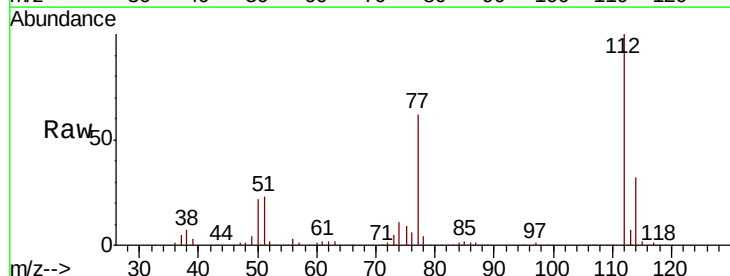
Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH3

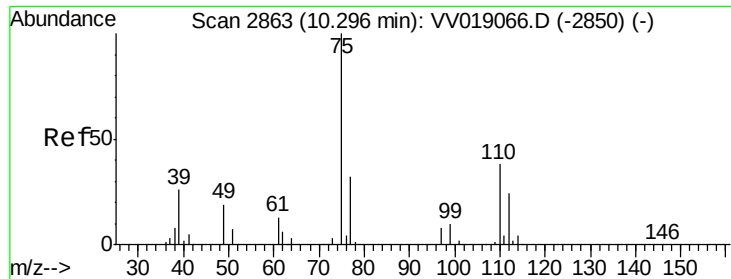
Tot Ion: 75 Resp: 4186
 Ion Ratio Lower Upper
 75 100
 77 49.5 22.1 41.1#



#51
 Chlorobenzene
 Concen: 235.366 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV019079.D
 Acq: 22 Oct 2020 19:47

Tgt Ion: 112 Resp: 1398700
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.2 41.2
 77 61.5 49.1 73.7





#59

1,2,3-Trichloropropane

Concen: 6.838 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV019079.D

Acq: 22 Oct 2020 19:47

Instrument :

MSVOA_V

ClientSampled :

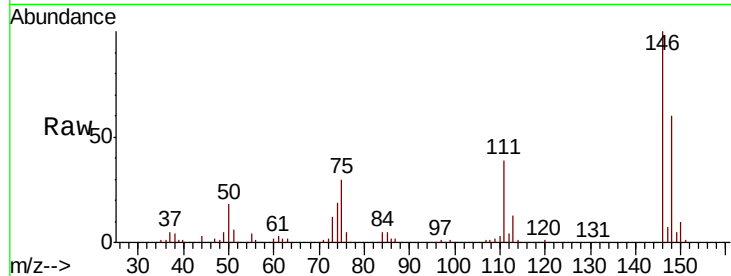
C0FH3

Tot Ion: 75 Resp: 19869

Ion Ratio Lower Upper

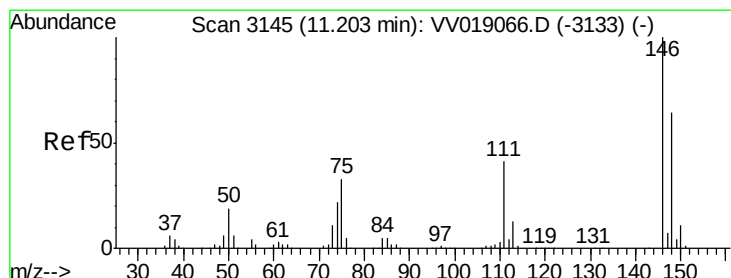
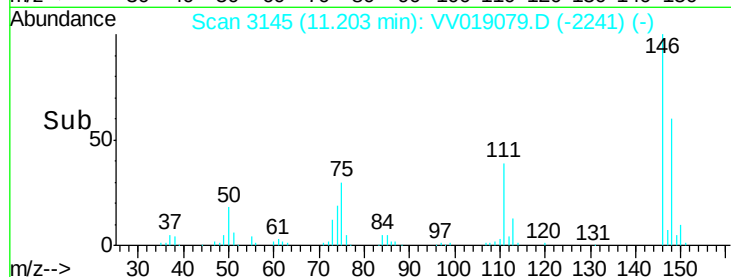
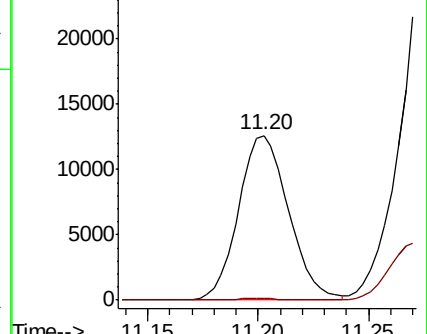
75 100

77 0.6 25.9 38.9#



Abundance Ion 75.00 (74.70 to 75.70): VV019079.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV019079.D (-2241) (-)



#62

1,3-Dichlorobenzene

Concen: 14.663 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV019079.D

Acq: 22 Oct 2020 19:47

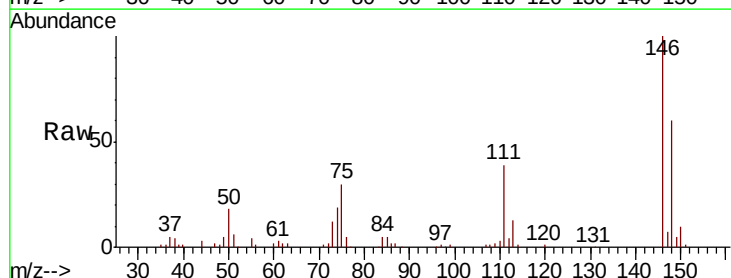
Tgt Ion: 146 Resp: 64490

Ion Ratio Lower Upper

146 100

111 39.1 28.8 53.4

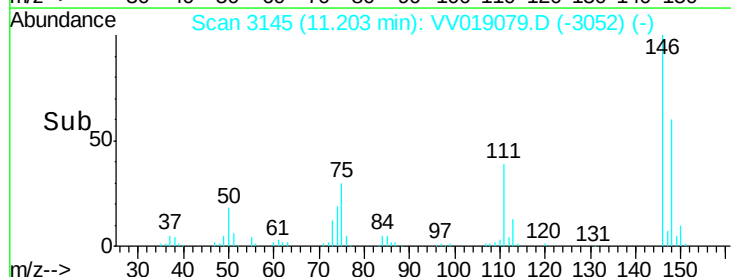
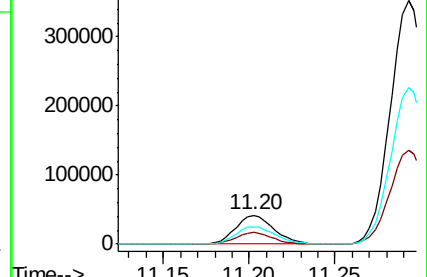
148 59.9 44.5 82.7

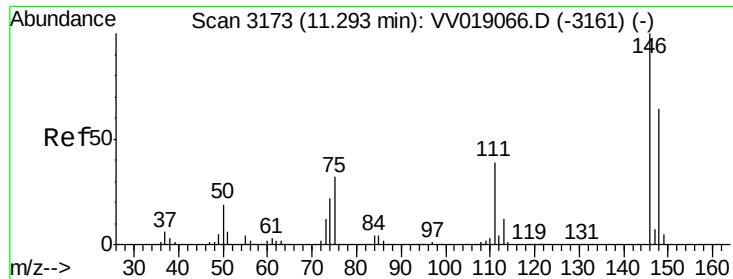


Abundance Ion 146.00 (145.70 to 146.70): VV019079.D (-3052) (-)

Ion 111.00 (110.70 to 111.70): VV019079.D (-3052) (-)

Ion 148.00 (147.70 to 148.70): VV019079.D (-3052) (-)





#63

1,4-Dichlorobenzene

Concen: 115.796 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019079.D

Acq: 22 Oct 2020 19:47

Instrument :

MSVOA_V

ClientSampleId :

C0FH3

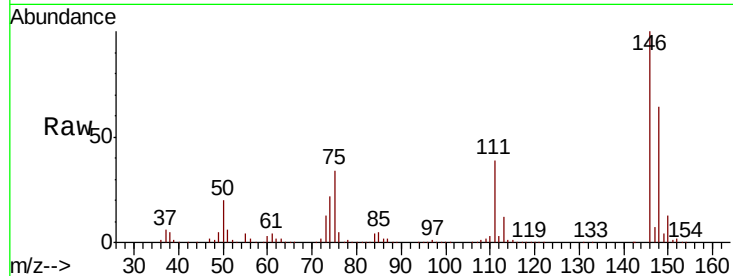
Tot Ion:146 Resp: 532181

Ion Ratio Lower Upper

146 100

111 38.7 27.8 51.6

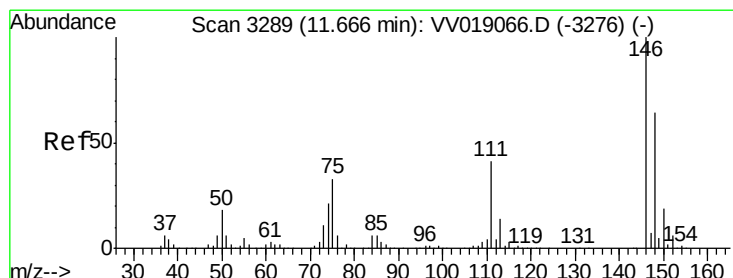
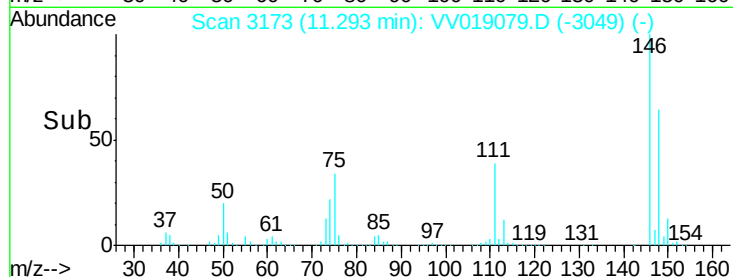
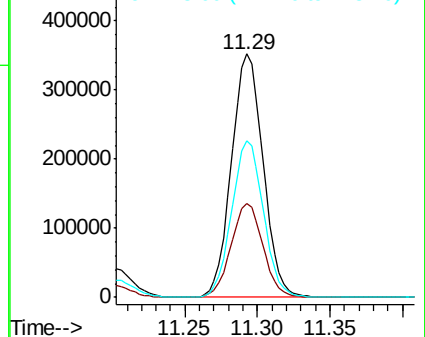
148 64.5 45.1 83.9



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: 151.223 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019079.D

Acq: 22 Oct 2020 19:47

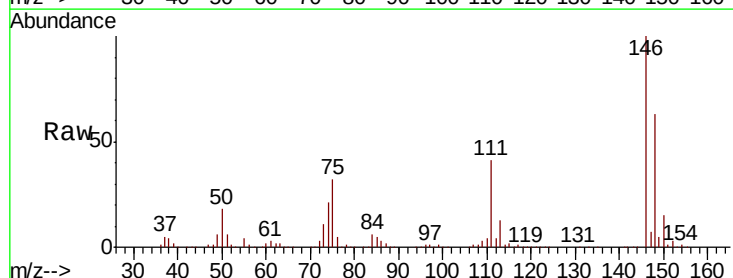
Tgt Ion:146 Resp: 670607

Ion Ratio Lower Upper

146 100

111 41.3 33.3 49.9

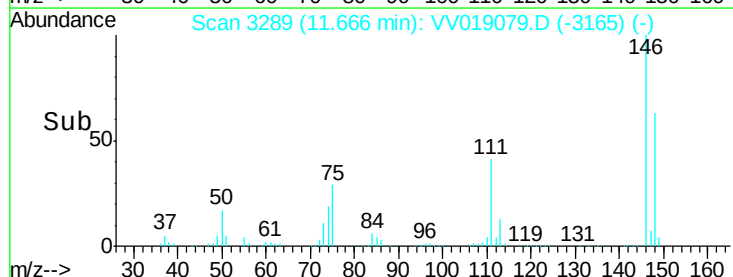
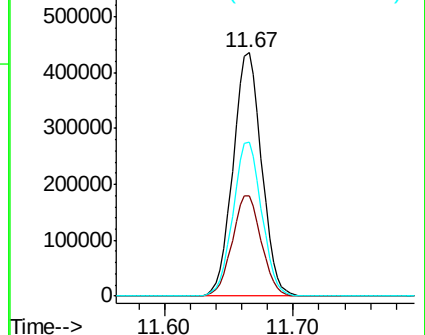
148 63.4 51.1 76.7

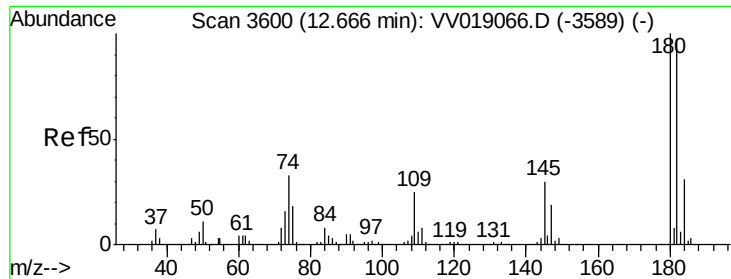


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

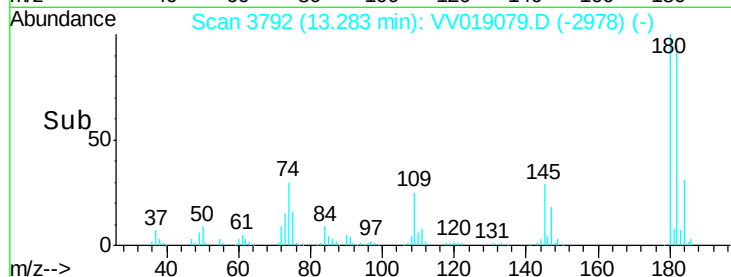
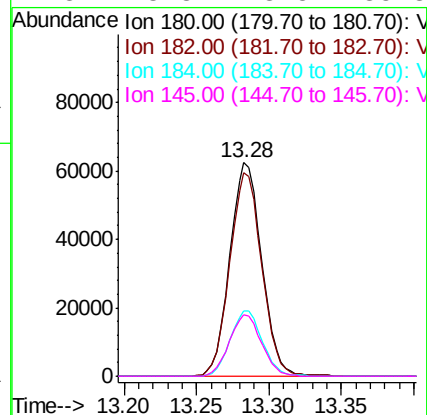
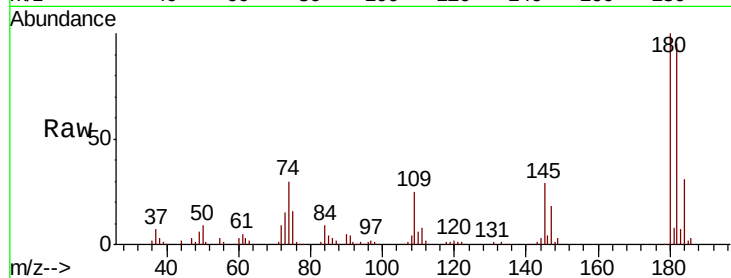




#67
 1,3,5-Trichlorobenzene
 Concen: 31.755 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV019079.D
 Acq: 22 Oct 2020 19:47

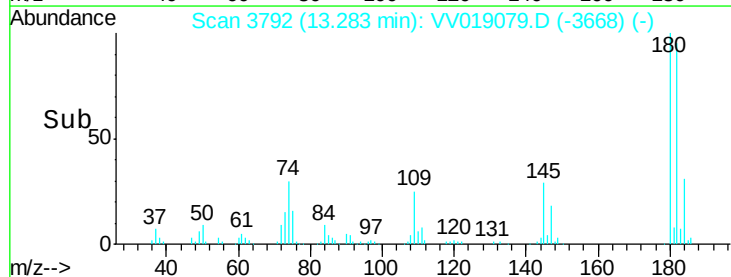
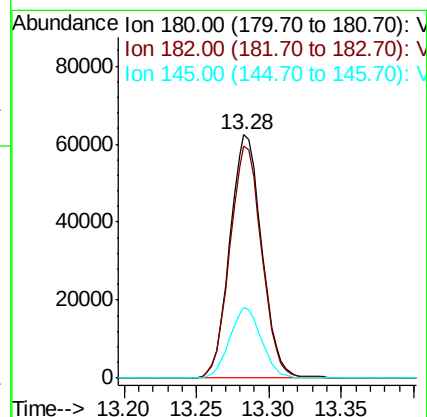
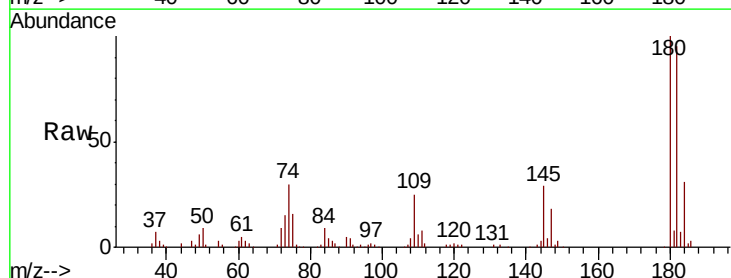
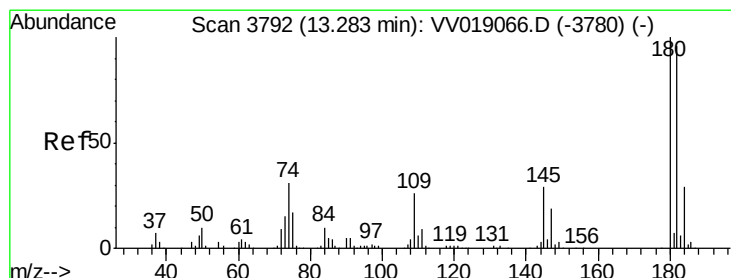
Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH3

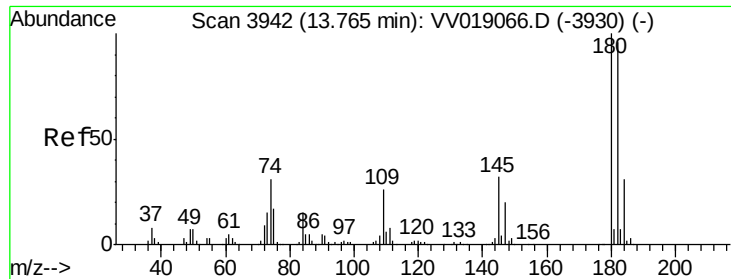
Tot Ion:180 Resp: 95370
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.4 116.0
 184 30.7 24.7 37.1
 145 28.8 23.5 35.3



#68
 1,2,4-trichlorobenzene
 Concen: 33.676 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019079.D
 Acq: 22 Oct 2020 19:47

Tgt Ion:180 Resp: 95370
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.4 116.2
 145 28.8 23.7 35.5





#70
 1,2,3-Trichlorobenzene
 Concen: 8.343 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019079.D
 Acq: 22 Oct 2020 19:47

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH3

Tot Ion	Ion	Ratio	Lower	Upper
180	180	100		
182	182	94.1	76.9	115.3
145	145	31.0	25.6	38.4

