

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019075.D
 Acq On : 22 Oct 2020 18:12
 Operator : SY/MD
 Sample : L4483-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH1

Quant Time: Oct 23 06:33:05 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	304597	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	298345	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	140800	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	135429	48.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.88%
7) Chloroethane-d5	1.58	69	108173	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.14%
11) 1,1-Dichloroethene-d2	2.12	63	195995	37.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.64%
21) 2-Butanone-d5	3.92	46	178082	95.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.69%
24) Chloroform-d	4.38	84	222482	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.94%
26) 1,2-Dichloroethane-d4	5.06	65	154500	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
32) Benzene-d6	5.08	84	442364	48.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.96%
36) 1,2-Dichloropropane-d6	6.09	67	143871	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.34%
41) Toluene-d8	7.34	98	389080	47.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.36%
43) trans-1,3-Dichloropropene-	7.64	79	70897	46.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.60%
47) 2-Hexanone-d5	8.11	63	122355	95.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.19%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	181482	46.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.26%
64) 1,2-Dichlorobenzene-d4	11.65	152	151344	51.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.50%

Target Compounds

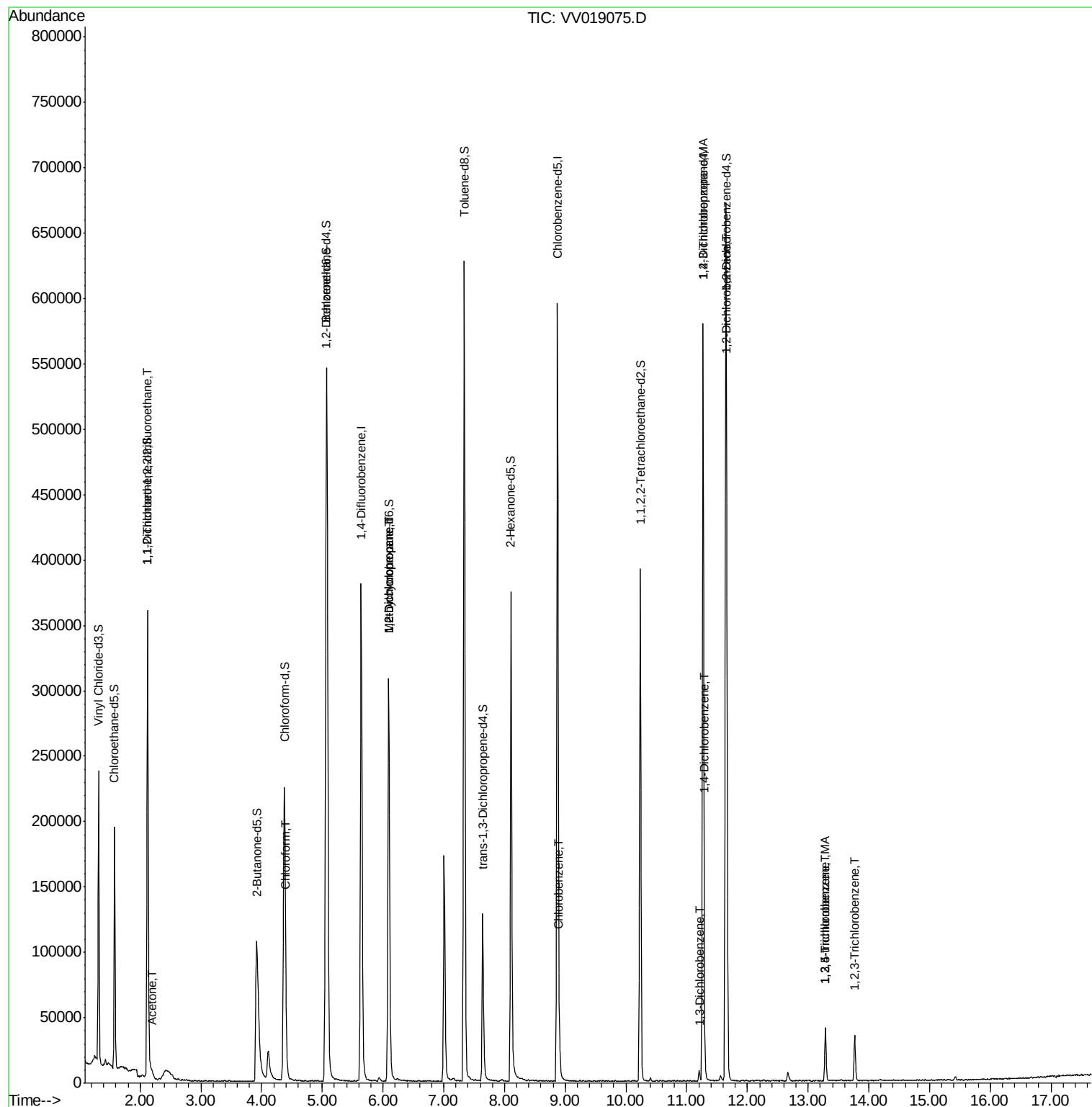
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1624	0.799	ug/L #	25
13) Acetone	2.20	43	7108	5.635	ug/L	86
25) Chloroform	4.41	83	6822	1.595	ug/L	98
35) Methylcyclohexane	6.09	83	33795	10.702	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	16927	6.732	ug/L #	87
51) Chlorobenzene	8.91	112	12725	2.116	ug/L	98
59) 1,2,3-Trichloropropane	11.27	75	20136	6.849	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	3017	0.714	ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	7452	1.688	ug/L	92
65) 1,2-Dichlorobenzene	11.67	146	79253	18.603	ug/L	97
67) 1,3,5-Trichlorobenzene	13.29	180	12021	4.166	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	12021	4.418	ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	10195	3.698	ug/L	97

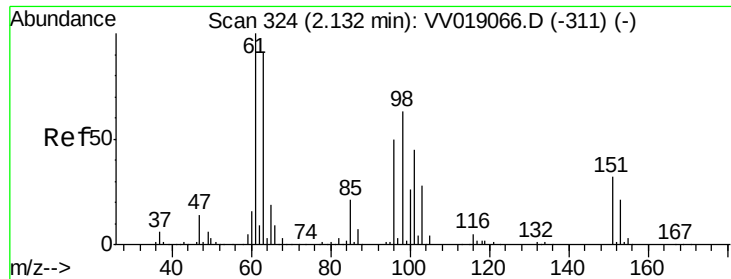
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 0.799 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019075.D

Acq: 22 Oct 2020 18:12

Instrument :

MSVOA_V

ClientSampleId :

C0FH1

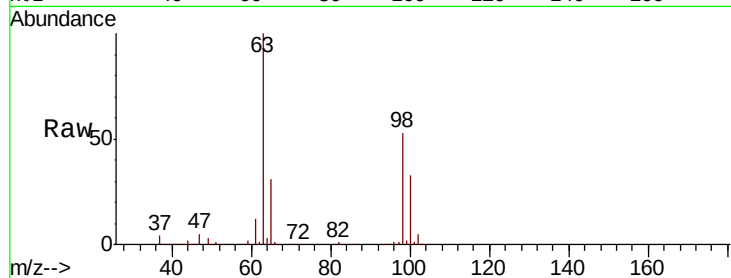
Tot Ion:101 Resp: 1624

Ion Ratio Lower Upper

101 100

85 2.7 36.9 55.3#

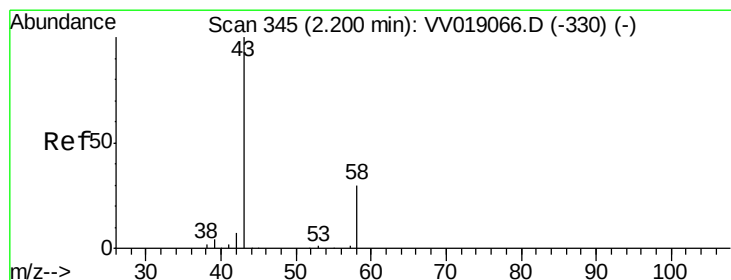
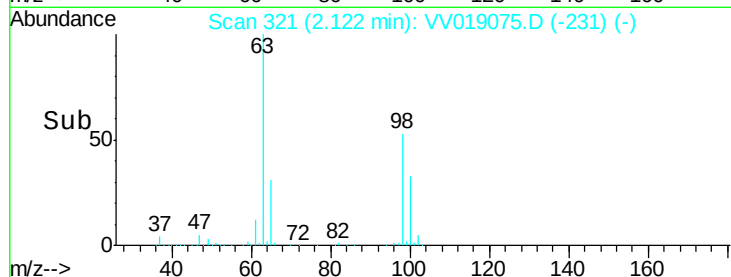
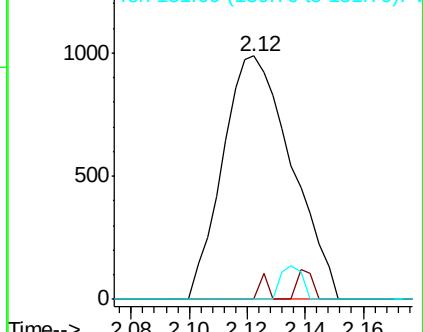
151 4.2 58.2 87.2#



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



#13

Acetone

Concen: 5.635 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV019075.D

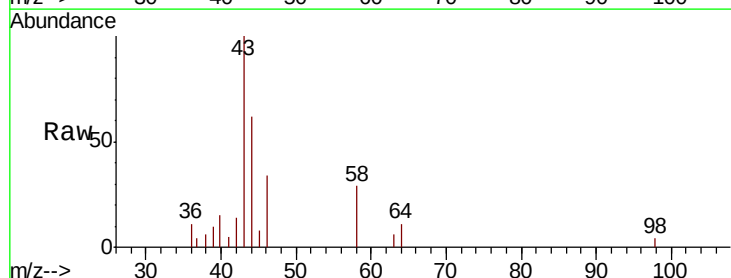
Acq: 22 Oct 2020 18:12

Tgt Ion: 43 Resp: 7108

Ion Ratio Lower Upper

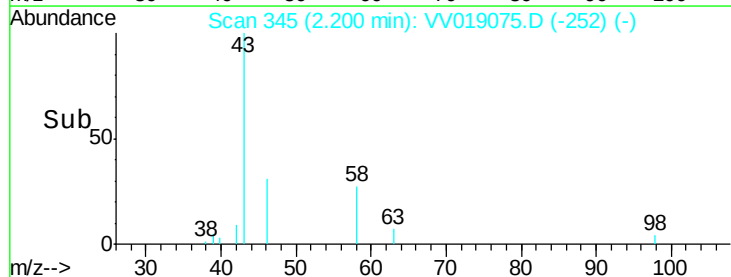
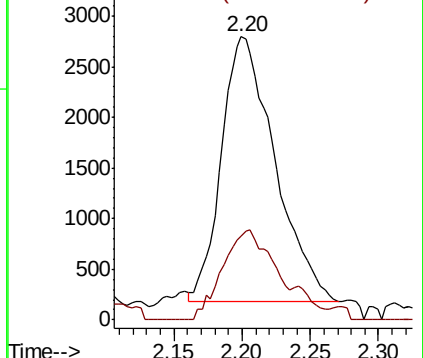
43 100

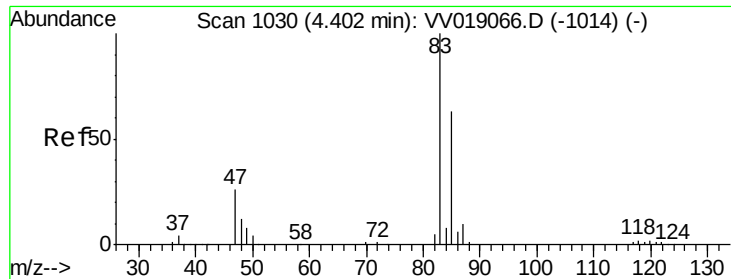
58 22.3 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

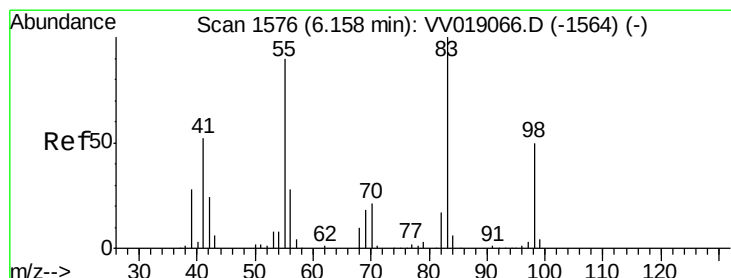
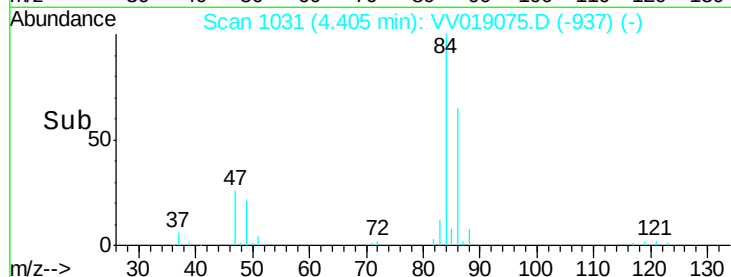
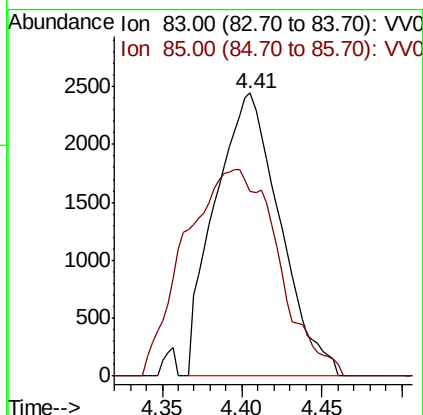
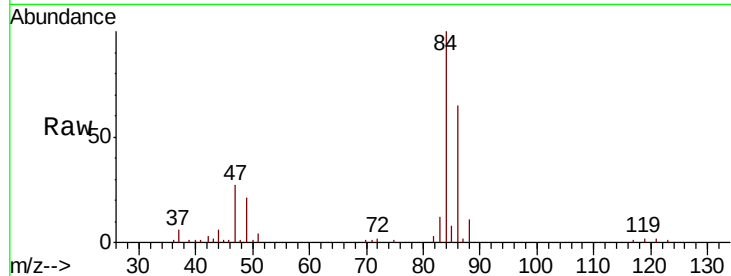




#25
Chloroform
Concen: 1.595 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV019075.D
Acq: 22 Oct 2020 18:12

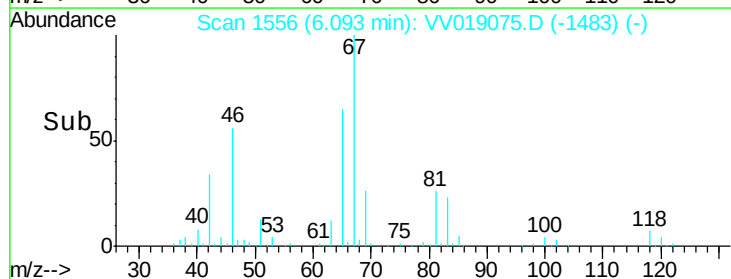
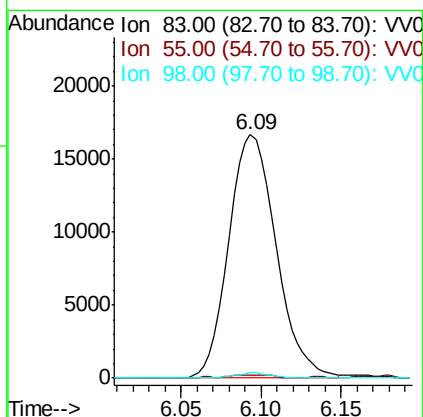
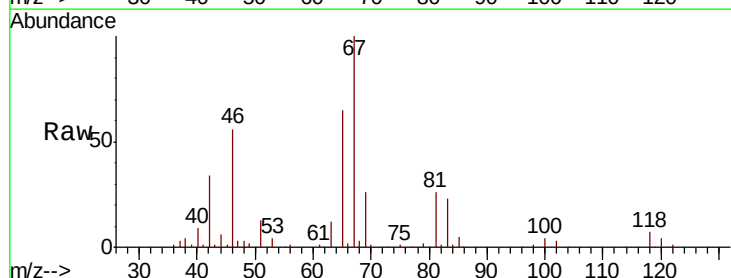
Instrument :
MSVOA_V
ClientSampled :
C0FH1

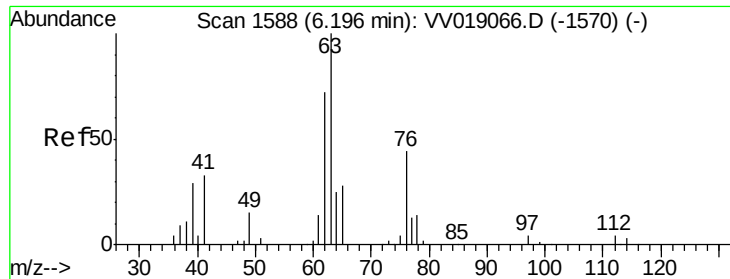
Tot Ion: 83 Resp: 6822
Ion Ratio Lower Upper
83 100
85 65.3 44.5 82.7



#35
Methylcyclohexane
Concen: 10.702 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV019075.D
Acq: 22 Oct 2020 18:12

Tgt Ion: 83 Resp: 33795
Ion Ratio Lower Upper
83 100
55 0.6 68.1 102.1#
98 1.5 37.9 56.9#

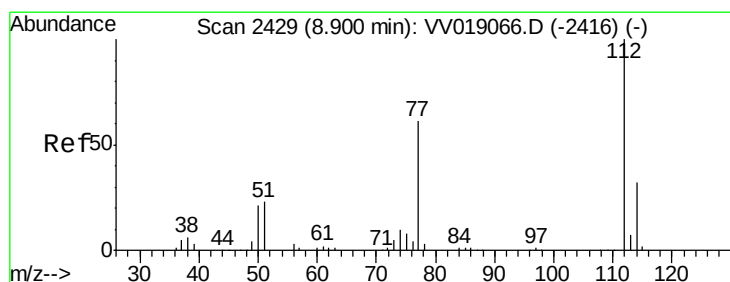
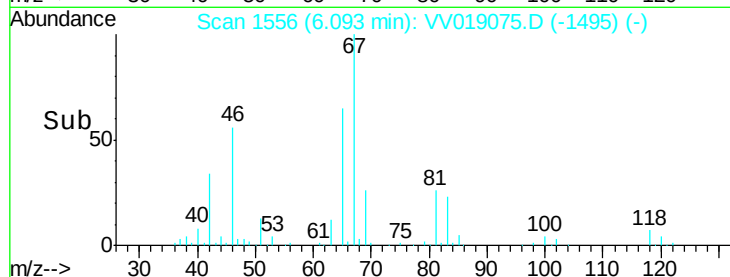
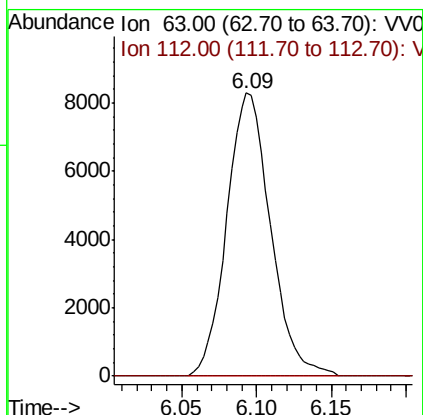
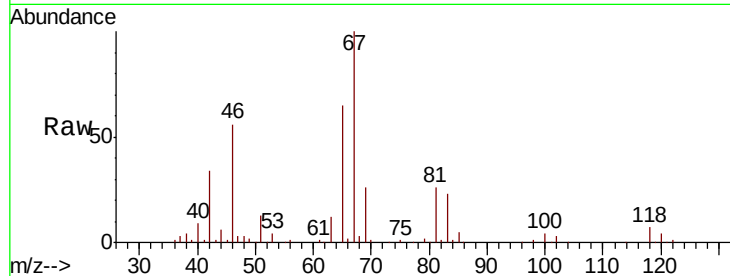




#37
 1,2-Dichloropropane
 Concen: 6.732 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV019075.D
 Acq: 22 Oct 2020 18:12

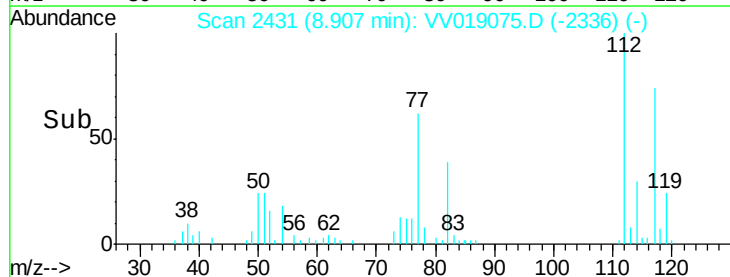
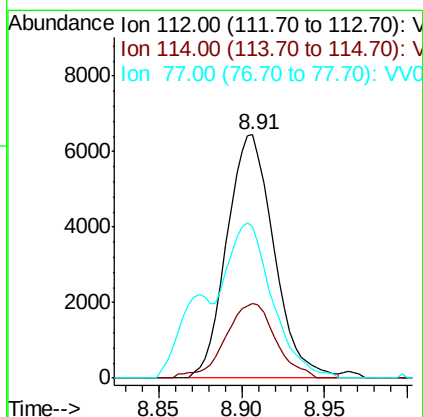
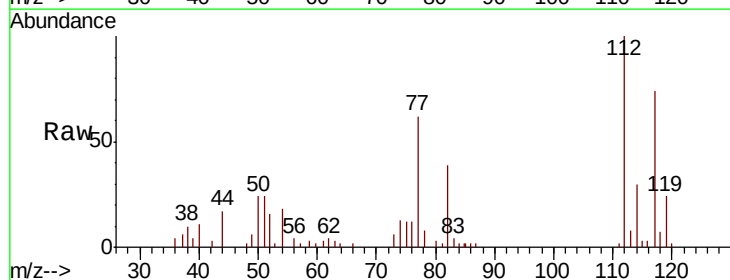
Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH1

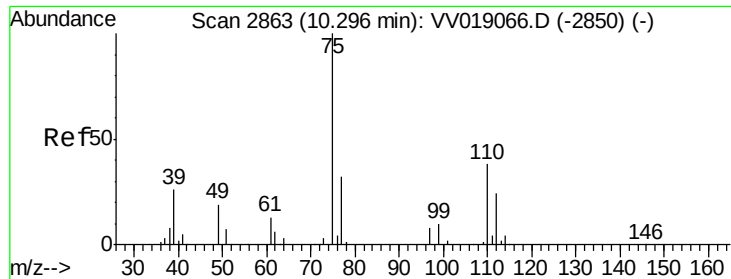
Tot Ion: 63 Resp: 16927
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#51
 Chlorobenzene
 Concen: 2.116 ug/L
 RT: 8.91 min Scan# 2431
 Delta R.T. 0.01 min
 Lab File: VV019075.D
 Acq: 22 Oct 2020 18:12

Tgt Ion: 112 Resp: 12725
 Ion Ratio Lower Upper
 112 100
 114 30.4 22.2 41.2
 77 62.4 49.1 73.7





#59

1,2,3-Trichloropropane

Concen: 6.849 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV019075.D

Acq: 22 Oct 2020 18:12

Instrument :

MSVOA_V

ClientSampled :

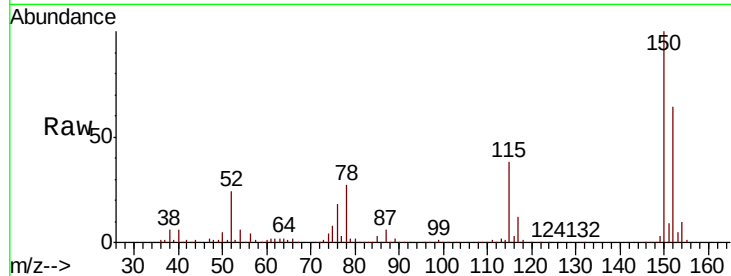
C0FH1

Tot Ion: 75 Resp: 20136

Ion Ratio Lower Upper

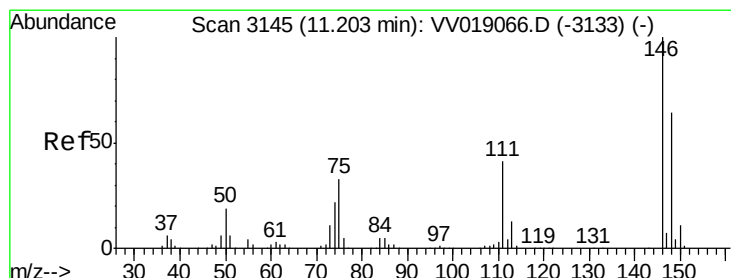
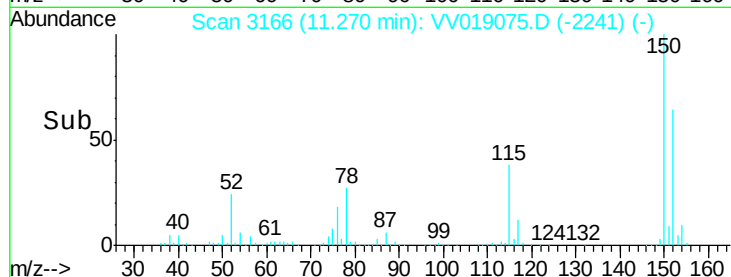
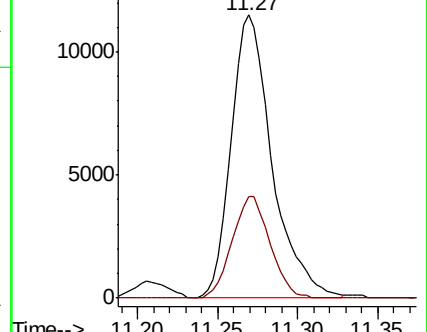
75 100

77 33.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV019066.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV019066.D (-2850) (-)



#62

1,3-Dichlorobenzene

Concen: 0.714 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019075.D

Acq: 22 Oct 2020 18:12

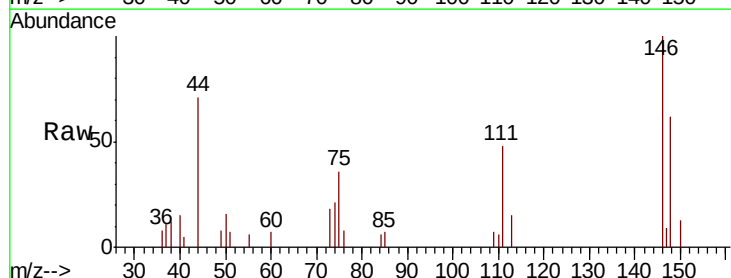
Tgt Ion: 146 Resp: 3017

Ion Ratio Lower Upper

146 100

111 47.9 28.8 53.4

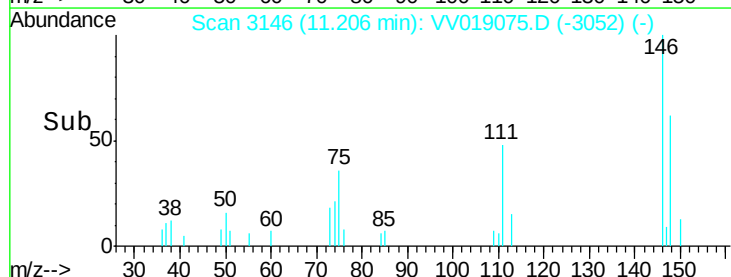
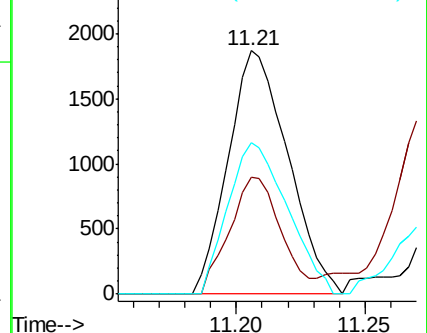
148 62.4 44.5 82.7

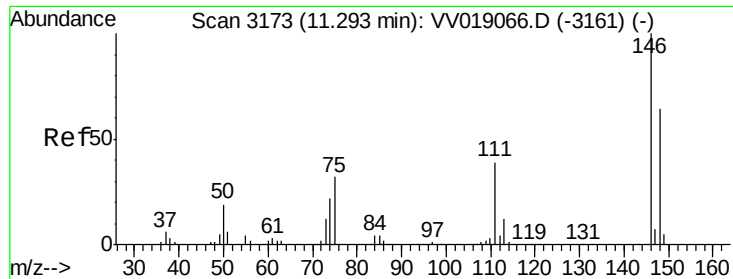


Abundance Ion 146.00 (145.70 to 146.70): VV019066.D (-3133) (-)

Ion 111.00 (110.70 to 111.70): VV019066.D (-3133) (-)

Ion 148.00 (147.70 to 148.70): VV019066.D (-3133) (-)





#63

1,4-Dichlorobenzene

Concen: 1.688 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019075.D

Acq: 22 Oct 2020 18:12

Instrument :

MSVOA_V

ClientSampled :

C0FH1

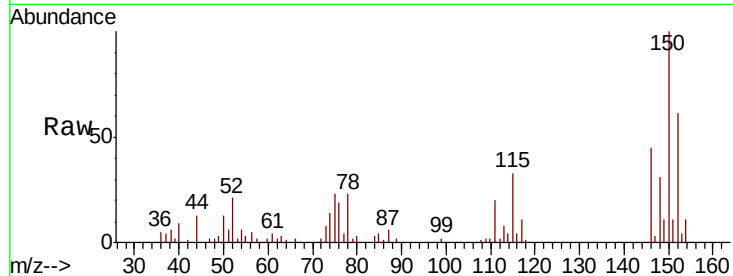
Tot Ion:146 Resp: 7452

Ion Ratio Lower Upper

146 100

111 45.9 27.8 51.6

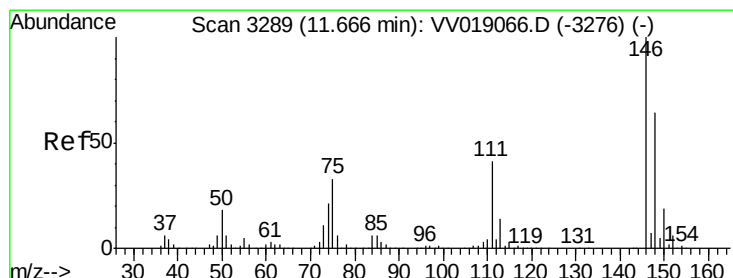
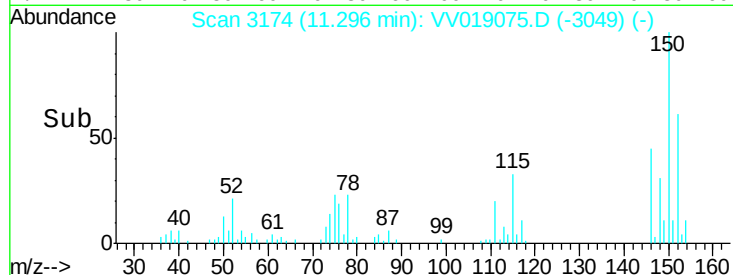
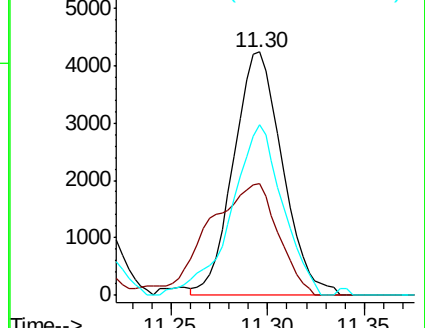
148 70.0 45.1 83.9



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: 18.603 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019075.D

Acq: 22 Oct 2020 18:12

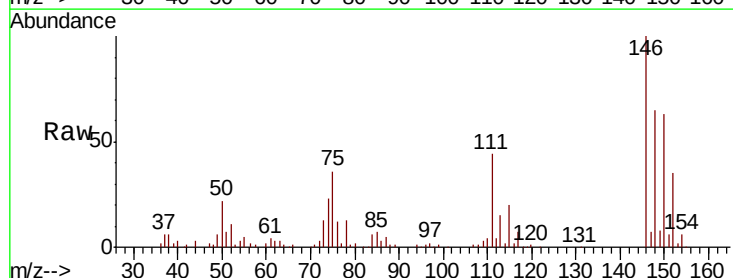
Tgt Ion:146 Resp: 79253

Ion Ratio Lower Upper

146 100

111 43.8 33.3 49.9

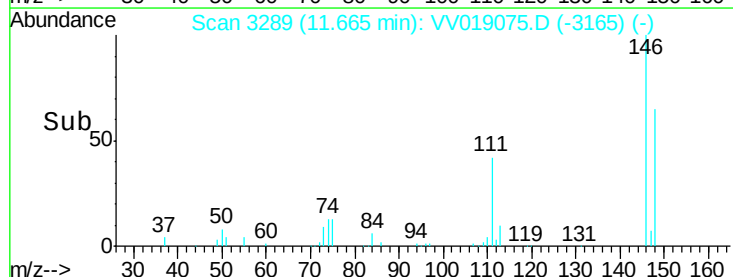
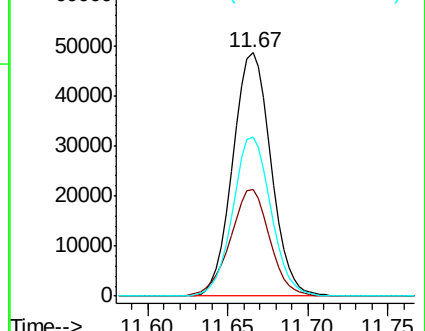
148 65.5 51.1 76.7

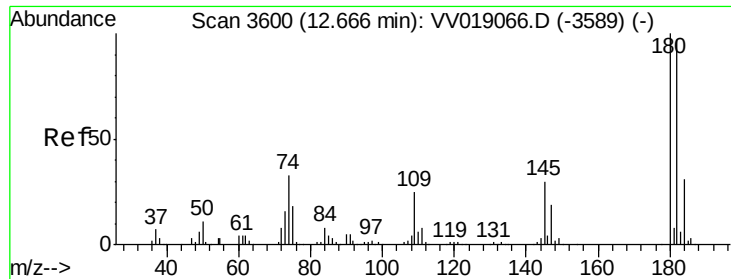


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

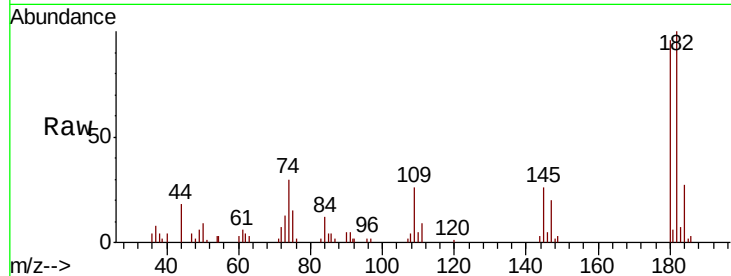




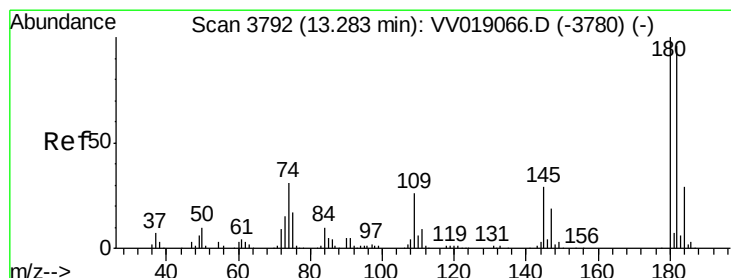
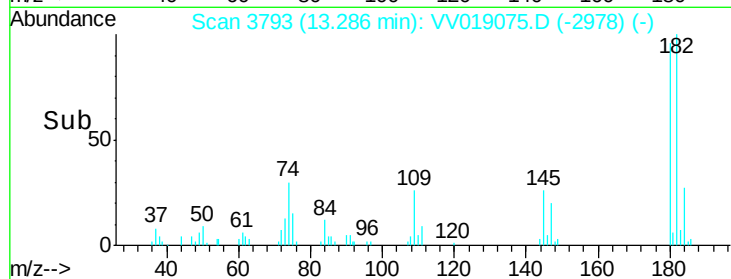
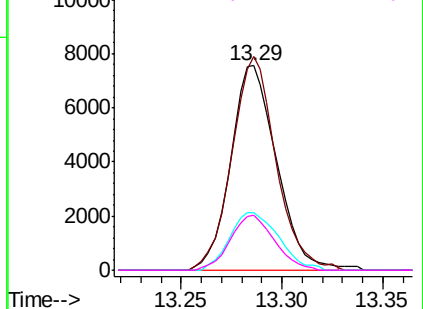
#67
 1,3,5-Trichlorobenzene
 Concen: 4.166 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV019075.D
 Acq: 22 Oct 2020 18:12

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH1

Tot Ion:180	Resp:	12021
Ion Ratio	Lower	Upper
180 100		
182 100.0	77.4	116.0
184 30.2	24.7	37.1
145 25.9	23.5	35.3

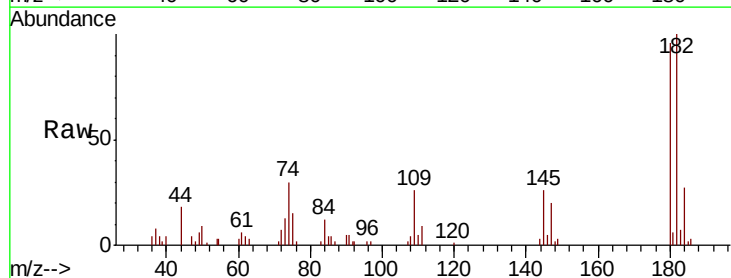


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

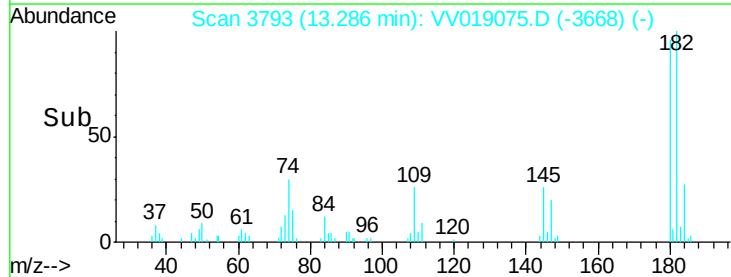
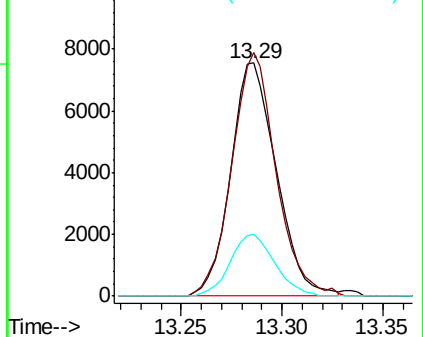


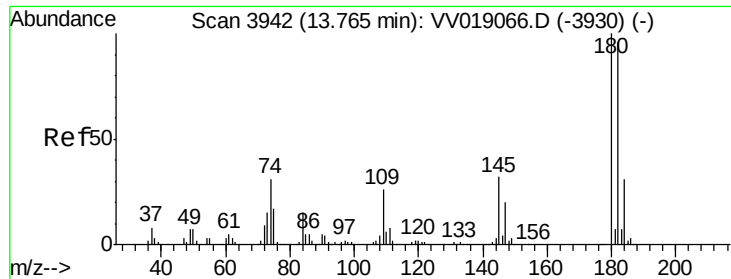
#68
 1,2,4-trichlorobenzene
 Concen: 4.418 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019075.D
 Acq: 22 Oct 2020 18:12

Tgt	Ion:180	Resp:	12021
Ion	Ratio	Lower	Upper
180	100		
182	100.0	77.4	116.2
145	25.9	23.7	35.5



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

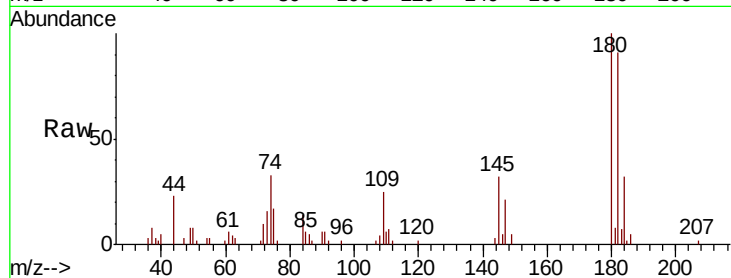




#70
 1,2,3-Trichlorobenzene
 Concen: 3.698 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019075.D
 Acq: 22 Oct 2020 18:12

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH1

Tot Ion	180	Resp	10195
Ion Ratio	Lower	Upper	
180	100		
182	98.2	76.9	115.3
145	34.5	25.6	38.4



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

