

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102120\
 Data File : VV019051.D
 Acq On : 21 Oct 2020 16:09
 Operator : SY/MD
 Sample : L4483-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FG8

Manual Integrations
 APPROVED

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 10/23/2020 2:12:48 PM

Quant Time: Oct 22 07:33:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 06:00:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	260218	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	216934	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	110617	50.00	ug/L	0.00

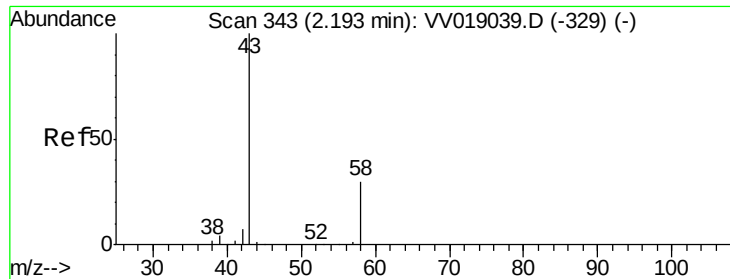
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	149608	69.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	139.70%#
7) Chloroethane-d5	1.58	69	125000	73.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	147.32%#
11) 1,1-Dichloroethene-d2	2.12	63	224690	55.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.14%
21) 2-Butanone-d5	3.91	46	215699	144.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	144.47%#
24) Chloroform-d	4.37	84	267670	69.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	139.10%#
26) 1,2-Dichloroethane-d4	5.06	65	190327	74.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	149.02%#
32) Benzene-d6	5.07	84	544937	86.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	172.10%#
36) 1,2-Dichloropropane-d6	6.09	67	180147	88.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	177.94%#
41) Toluene-d8	7.34	98	476920	83.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	167.90%#
43) trans-1,3-Dichloropropene-	7.64	79	79539	80.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	160.72%#
47) 2-Hexanone-d5	8.11	63	97280	129.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	129.33%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	148379	62.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	125.06%#
64) 1,2-Dichlorobenzene-d4	11.65	152	168254	74.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	149.52%#

Target Compounds

					Ovalue
13) Acetone	2.19	43	25660	23.520 ug/L	94
33) Benzene	5.14	78	10677m	1.606 ug/L	
51) Chlorobenzene	8.90	112	164434	36.722 ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	22429	6.541 ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	209169	58.017 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	793010	229.208 ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	176918	83.349 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	106967	50.415 ug/L	99

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



#13

Acetone

Concen: 23.520 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV019051.D

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Instrument :

MSVOA_V

ClientSampleId :

C0FG8

Tot Ion: 43 Resp: 25660

Ion Ratio Lower Upper

43 100

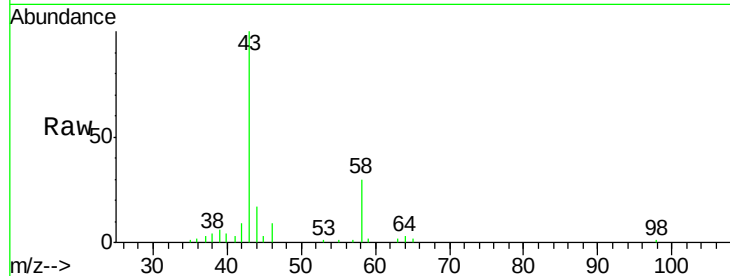
58 32.7 0.0 58.8

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Abundance Ion 43.00 (42.70 to 43.70): VV019039.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV019039.D (-329) (-)

12000

10000

8000

6000

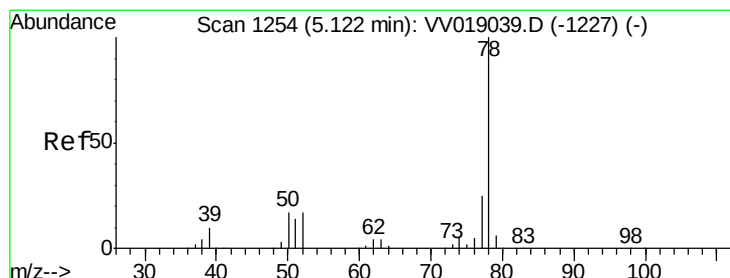
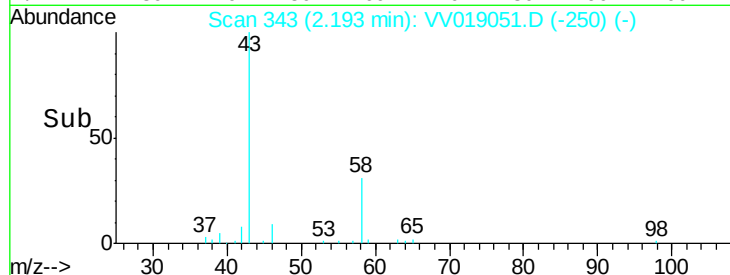
4000

2000

0

2.10 2.15 2.20 2.25 2.30

Time-->



#33

Benzene

Concen: 1.606 ug/L m

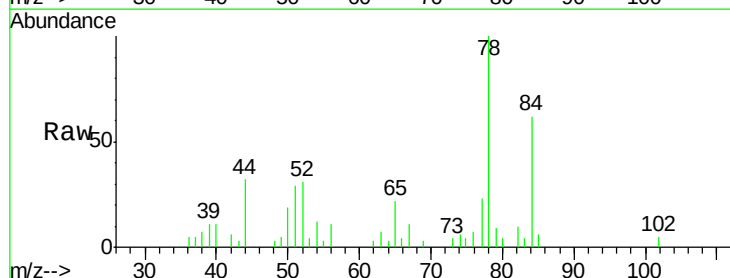
RT: 5.14 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VV019051.D

Acq: 21 Oct 2020 16:09

Tgt Ion: 78 Resp: 10677



Abundance Ion 78.00 (77.70 to 78.70): VV019039.D (-1227) (-)

4000

3000

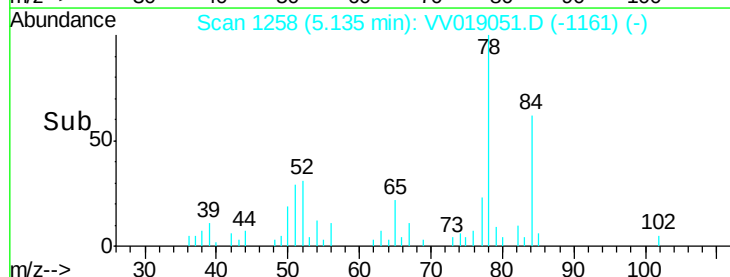
2000

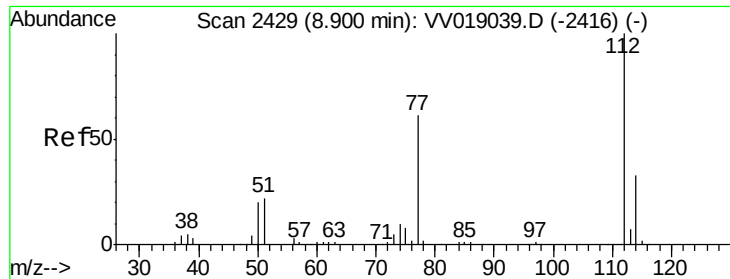
1000

0

5.10 5.15 5.20

Time-->





#51

Chlorobenzene

Concen: 36.722 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV019051.D

Acq: 21 Oct 2020 16:09

Instrument :

MSVOA_V

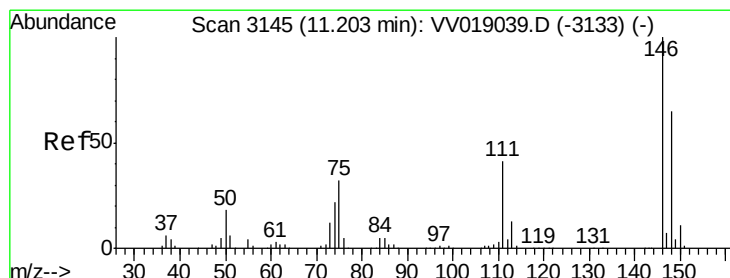
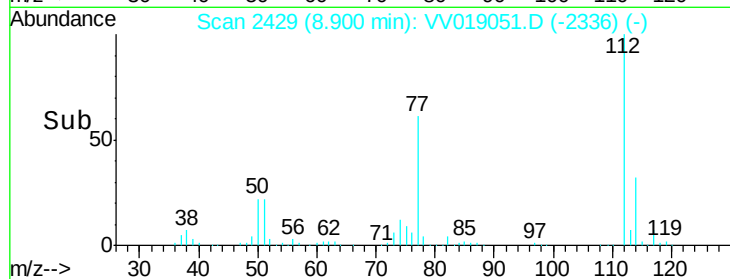
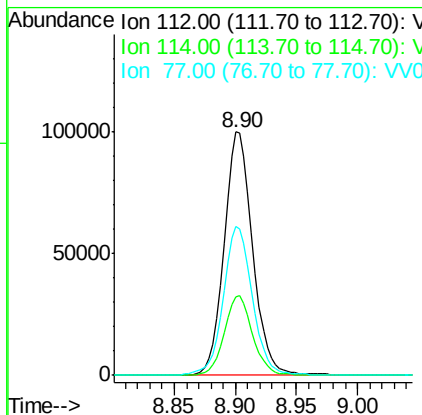
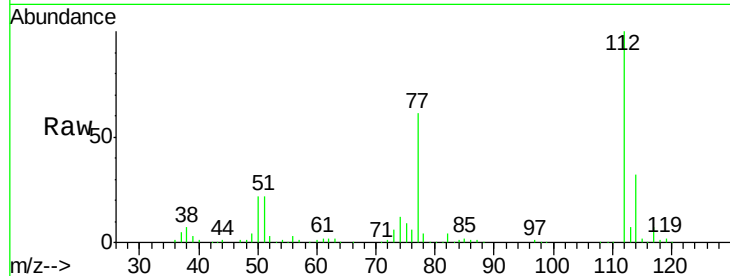
ClientSampled :

C0FG8

Tot Ion:	112	Resp:	164434
Ion Ratio	Lower	Upper	
112	100		
114	32.4	21.8	40.6
77	60.9	49.2	73.8

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#62

1,3-Dichlorobenzene

Concen: 6.541 ug/L

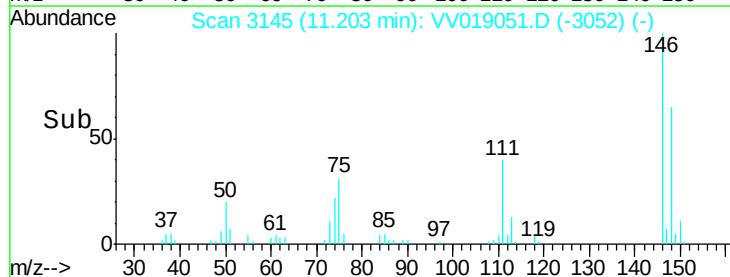
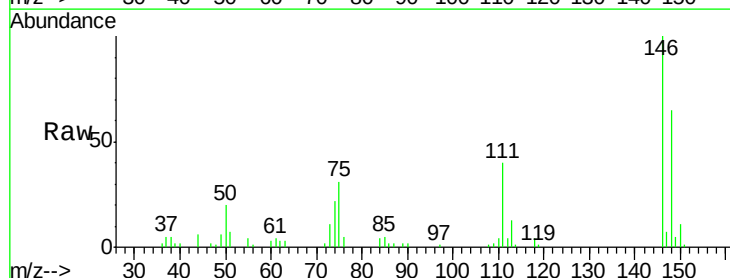
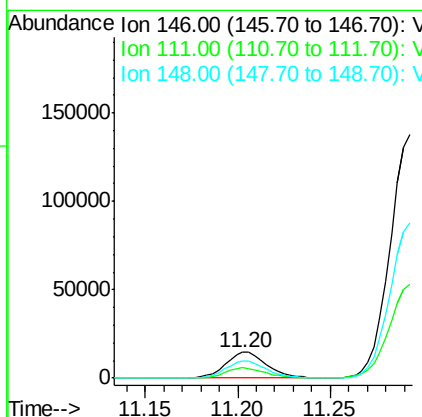
RT: 11.20 min Scan# 3145

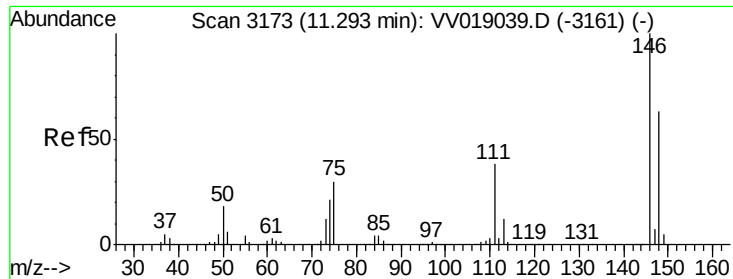
Delta R.T. -0.00 min

Lab File: VV019051.D

Acq: 21 Oct 2020 16:09

Tgt Ion:	146	Resp:	22429
Ion Ratio	Lower	Upper	
146	100		
111	39.5	28.3	52.7
148	65.0	45.1	83.7





#63

1,4-Dichlorobenzene

Concen: 58.017 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019051.D

Acq: 21 Oct 2020 16:09

Instrument :

MSVOA_V

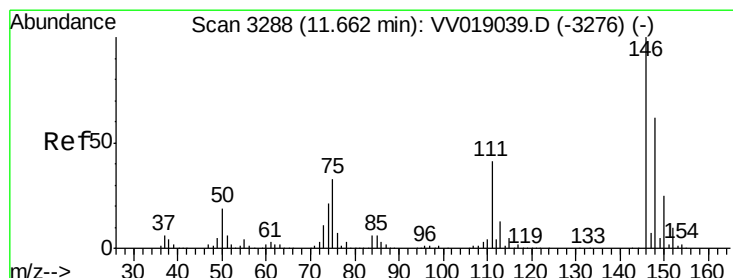
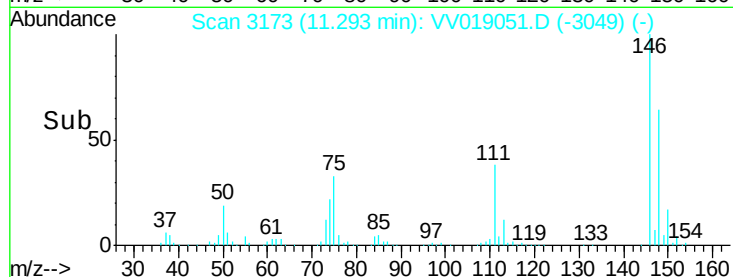
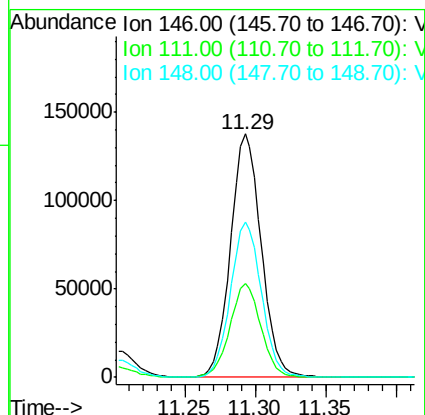
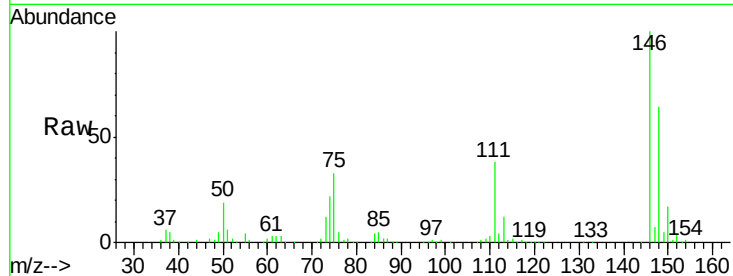
ClientSampled :

C0FG8

Tot Ion:	146	Resp:	209169
Ion Ratio	Lower	Upper	
146	100		
111	38.5	27.5	51.1
148	63.6	44.1	81.9

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#65

1,2-Dichlorobenzene

Concen: 229.208 ug/L

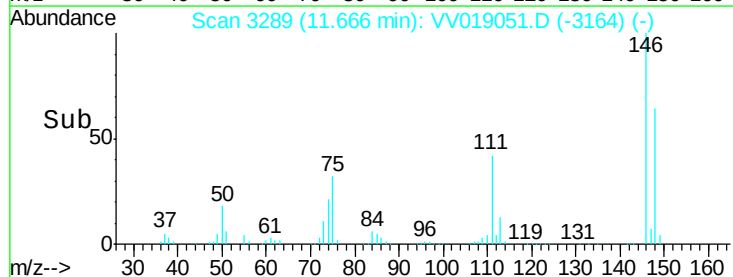
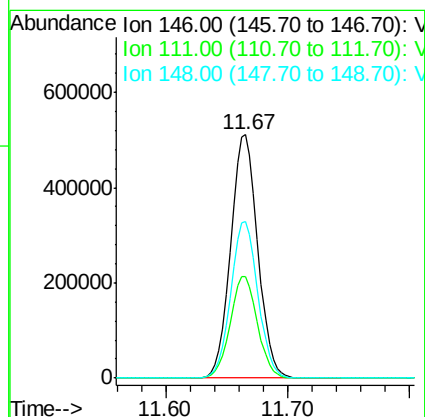
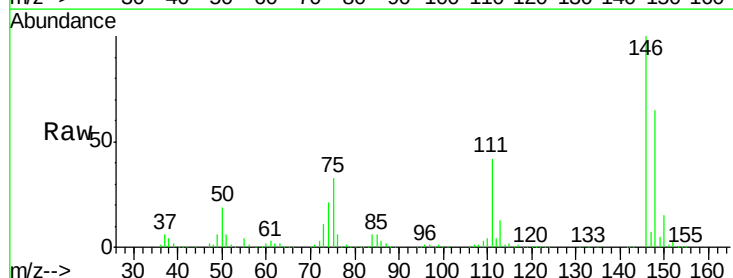
RT: 11.67 min Scan# 3289

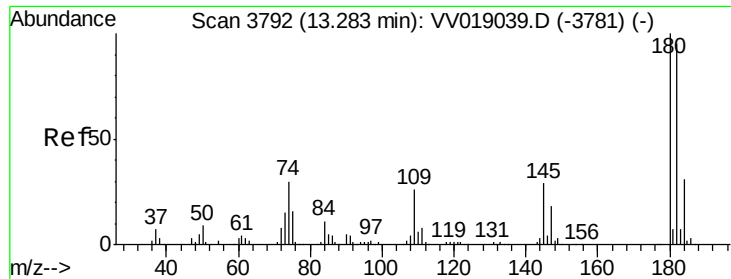
Delta R.T. 0.00 min

Lab File: VV019051.D

Acq: 21 Oct 2020 16:09

Tgt Ion:	146	Resp:	793010
Ion Ratio	Lower	Upper	
146	100		
111	41.7	33.9	50.9
148	64.5	49.8	74.8





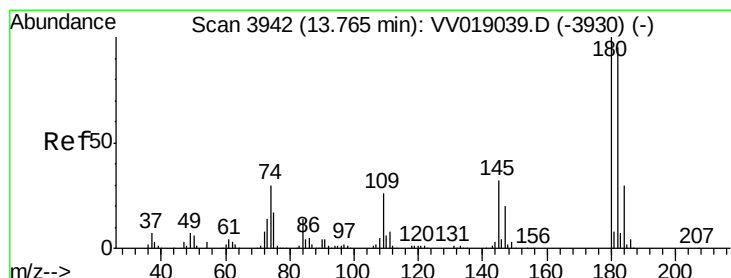
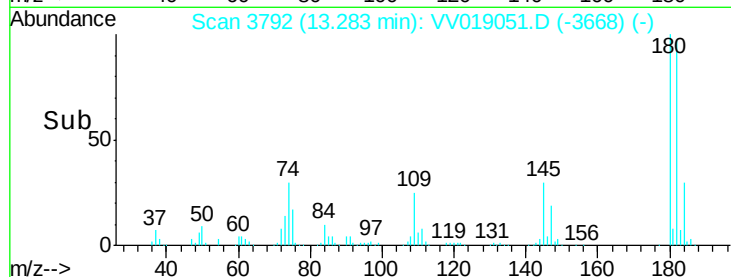
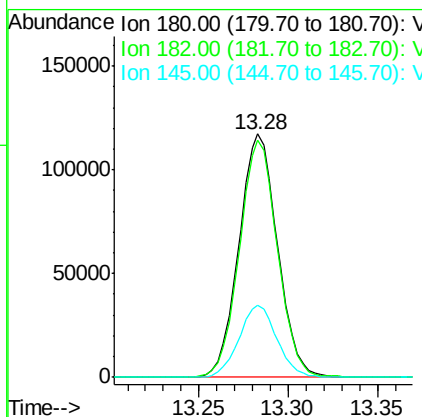
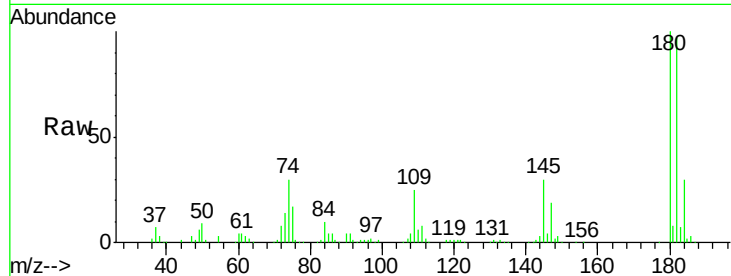
#68
 1,2,4-trichlorobenzene
 Concen: 83.349 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019051.D
 Acq: 21 Oct 2020 16:09

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FG8

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.5	114.7
145	29.3	23.7	35.5

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#70
 1,2,3-Trichlorobenzene
 Concen: 50.415 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV019051.D
 Acq: 21 Oct 2020 16:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
145	31.4	25.4	38.0

