

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019081.D
 Acq On : 22 Oct 2020 20:34
 Operator : SY/MD
 Sample : L4483-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FG8

Quant Time: Oct 23 06:34:07 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	310013	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	302566	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	149567	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123699	43.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.84%
7) Chloroethane-d5	1.58	69	105603	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.18%
11) 1,1-Dichloroethene-d2	2.12	63	192606	36.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.04%
21) 2-Butanone-d5	3.91	46	169254	89.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.36%
24) Chloroform-d	4.38	84	215833	43.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.64%
26) 1,2-Dichloroethane-d4	5.06	65	152887	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
32) Benzene-d6	5.07	84	434871	46.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.98%
36) 1,2-Dichloropropane-d6	6.09	67	139911	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.34%
41) Toluene-d8	7.34	98	390271	47.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.30%
43) trans-1,3-Dichloropropene-	7.64	79	69941	45.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.06%
47) 2-Hexanone-d5	8.11	63	120144	92.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.17%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	176410	44.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.42%
64) 1,2-Dichlorobenzene-d4	11.65	152	154549	49.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.54%

Target Compounds

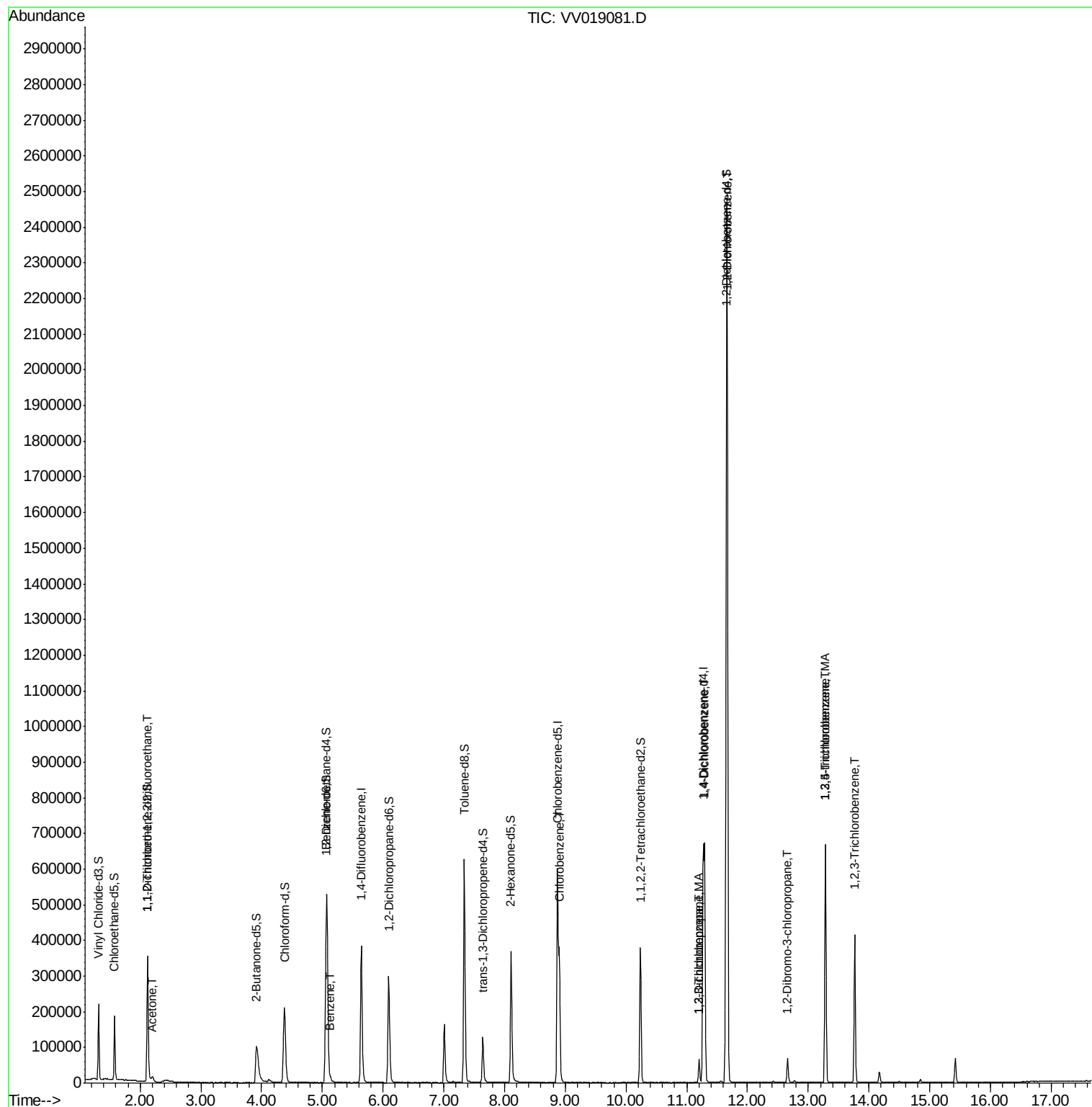
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1667	0.805	ug/L #	20
13) Acetone	2.20	43	24288	18.920	ug/L	100
33) Benzene	5.14	78	9948	1.074	ug/L	100
51) Chlorobenzene	8.90	112	182882	29.992	ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	7979	2.676	ug/L #	44
62) 1,3-Dichlorobenzene	11.20	146	24957	5.560	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	230929	49.238	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	864935	191.125	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	1843	2.305	ug/L #	5
67) 1,3,5-Trichlorobenzene	13.28	180	191661	62.535	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	191661	66.317	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	119324	40.749	ug/L	99

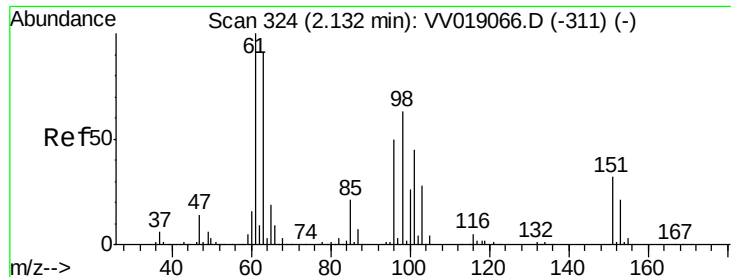
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.805 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019081.D

Acq: 22 Oct 2020 20:34

Instrument :

MSVOA_V

ClientSampleId :

C0FG8

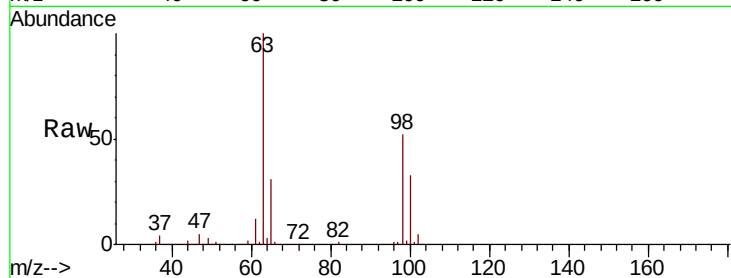
Tot Ion:101 Resp: 1667

Ion Ratio Lower Upper

101 100

85 0.0 36.9 55.3#

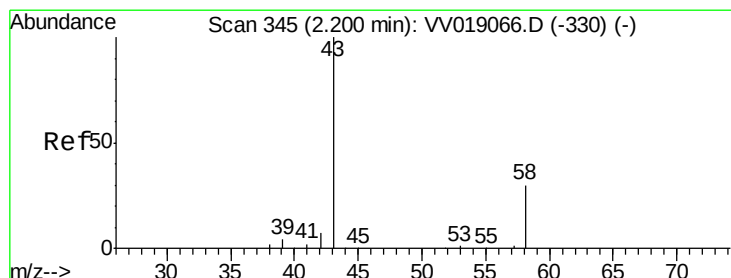
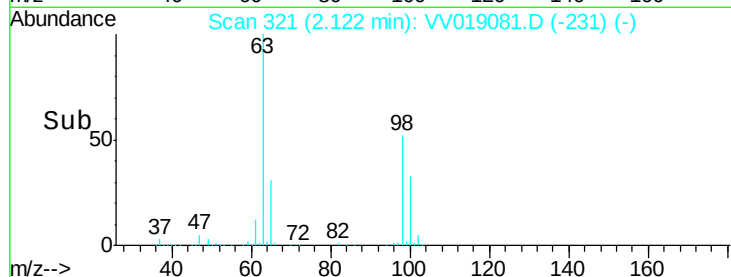
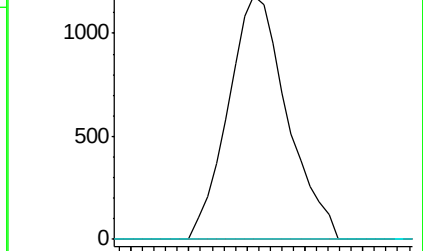
151 0.0 58.2 87.2#



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



#13

Acetone

Concen: 18.920 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV019081.D

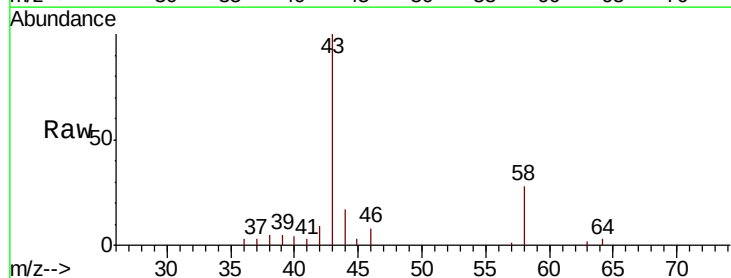
Acq: 22 Oct 2020 20:34

Tgt Ion: 43 Resp: 24288

Ion Ratio Lower Upper

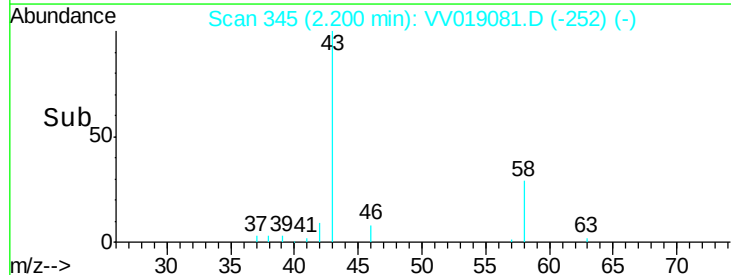
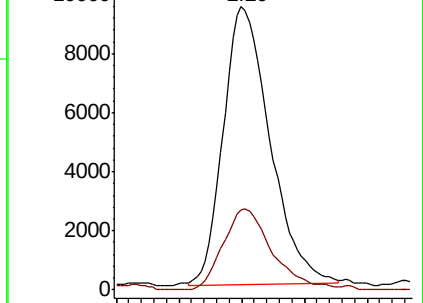
43 100

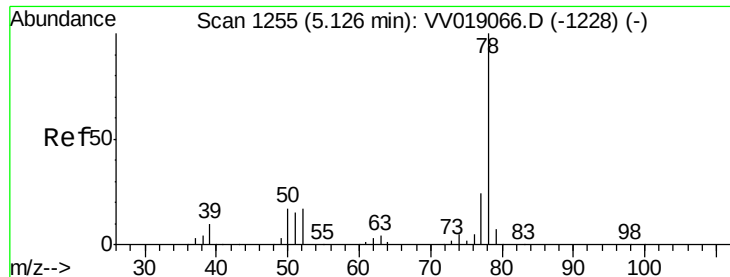
58 30.0 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#33

Benzene

Concen: 1.074 ug/L

RT: 5.14 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VV019081.D

Acq: 22 Oct 2020 20:34

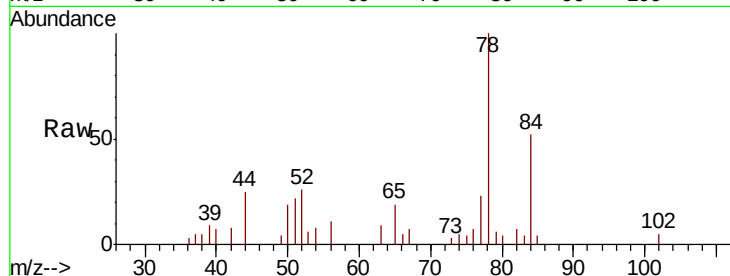
Instrument :

MSVOA_V

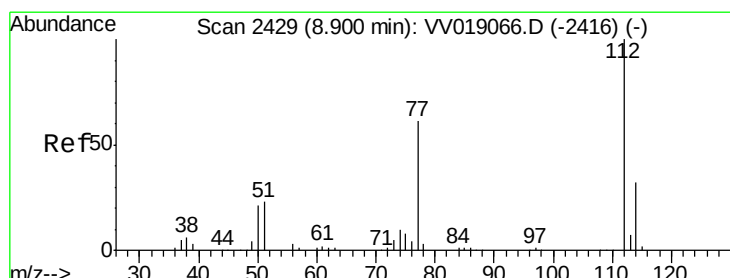
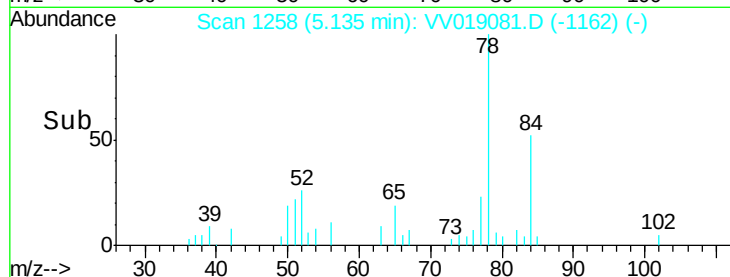
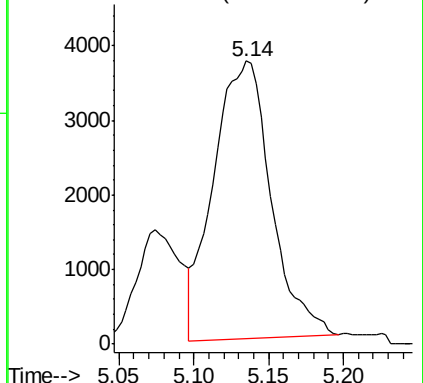
ClientSampleId :

C0FG8

Tgt Ion: 78 Resp: 9948



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 29.992 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV019081.D

Acq: 22 Oct 2020 20:34

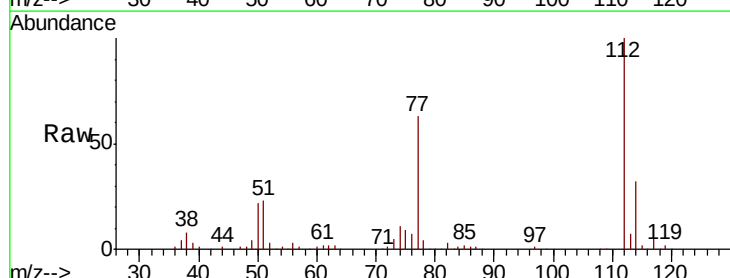
Tgt Ion: 112 Resp: 182882

Ion Ratio Lower Upper

112 100

114 32.3 22.2 41.2

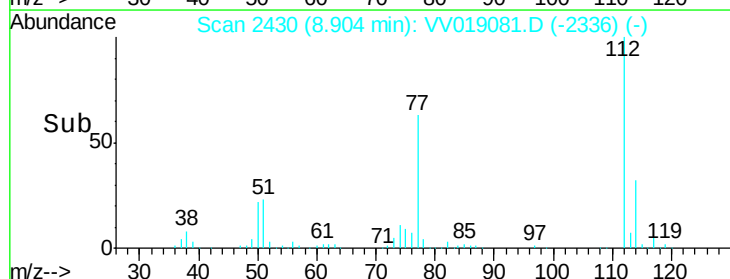
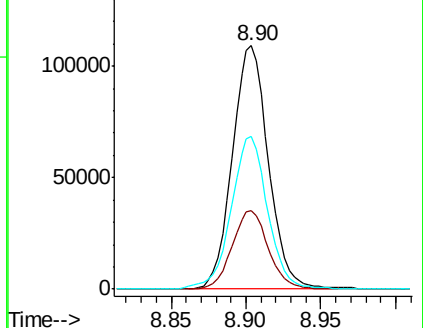
77 62.6 49.1 73.7

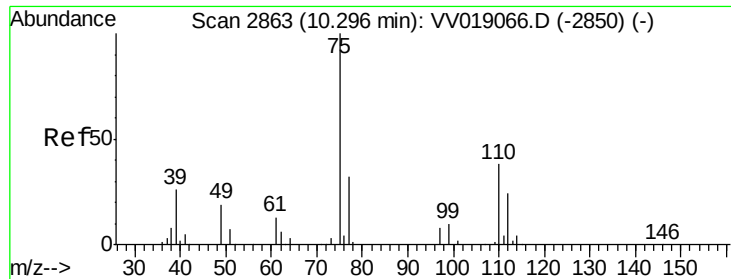


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#59

1,2,3-Trichloropropane

Concen: 2.676 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV019081.D

Acq: 22 Oct 2020 20:34

Instrument :

MSVOA_V

ClientSampled :

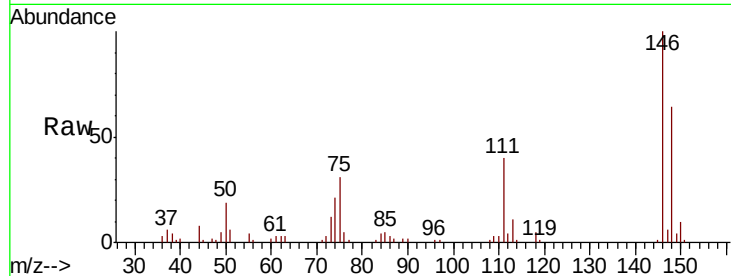
C0FG8

Tot Ion: 75 Resp: 7979

Ion Ratio Lower Upper

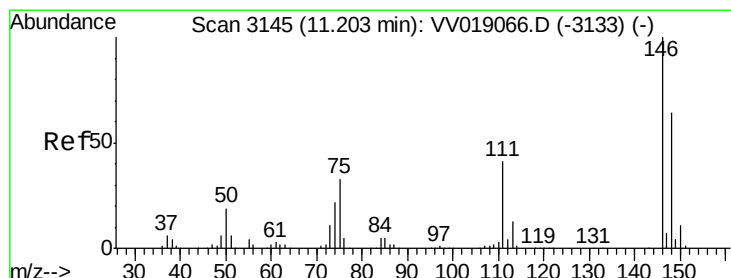
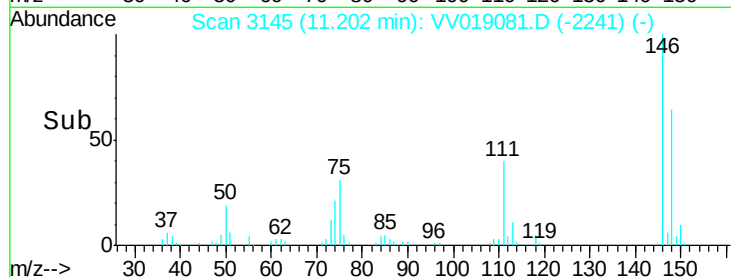
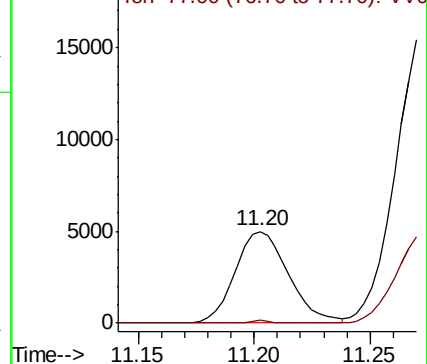
75 100

77 0.9 25.9 38.9#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#62

1,3-Dichlorobenzene

Concen: 5.560 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV019081.D

Acq: 22 Oct 2020 20:34

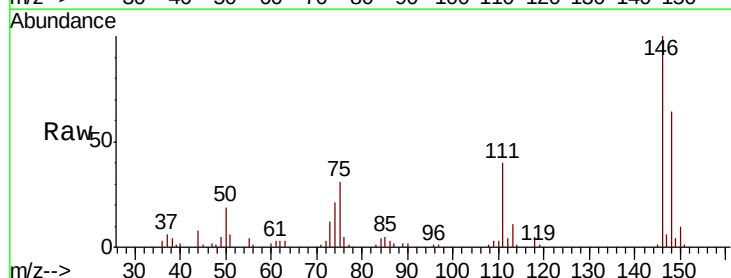
Tgt Ion: 146 Resp: 24957

Ion Ratio Lower Upper

146 100

111 39.7 28.8 53.4

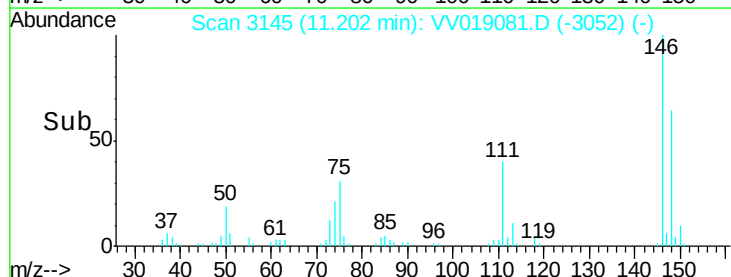
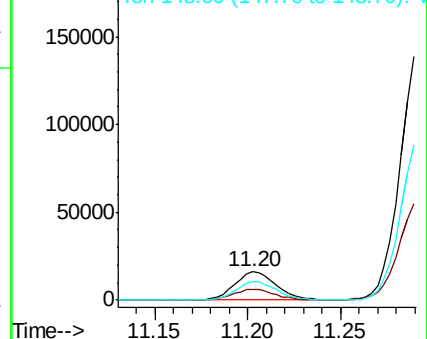
148 64.4 44.5 82.7

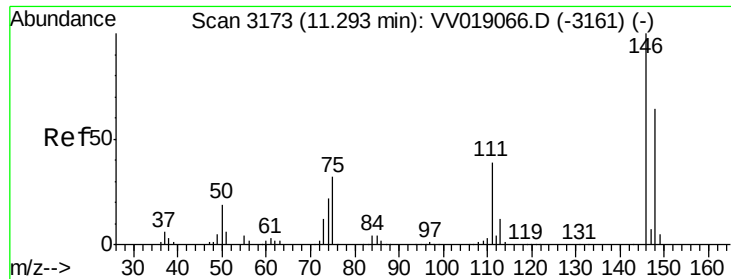


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

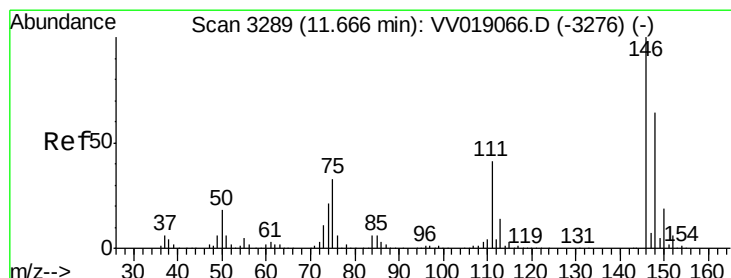
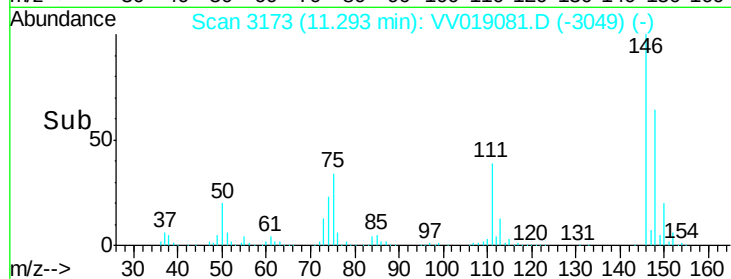
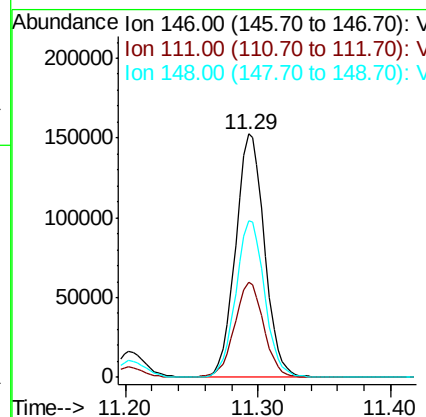
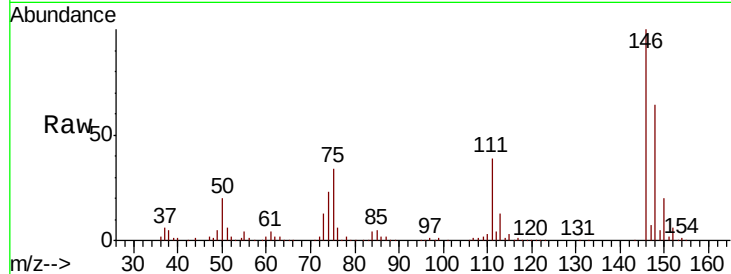




#63
 1,4-Dichlorobenzene
 Concen: 49.238 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV019081.D
 Acq: 22 Oct 2020 20:34

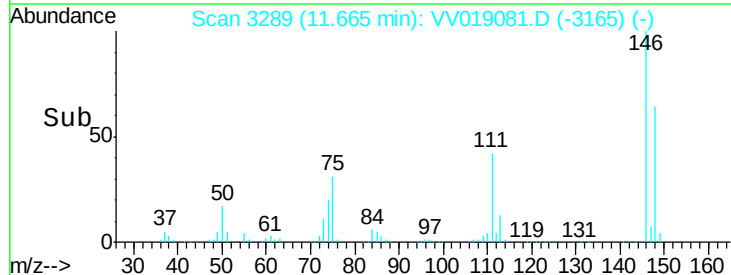
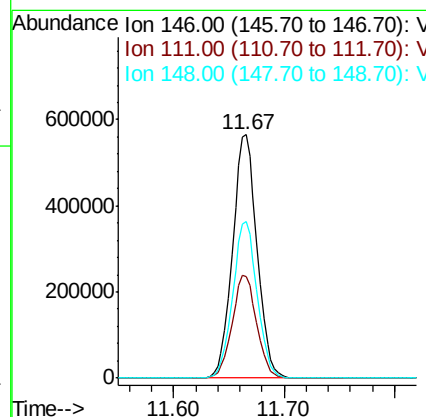
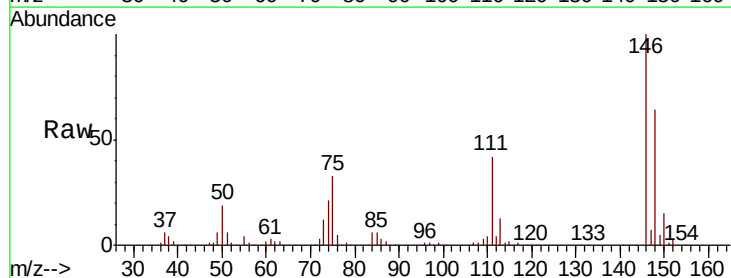
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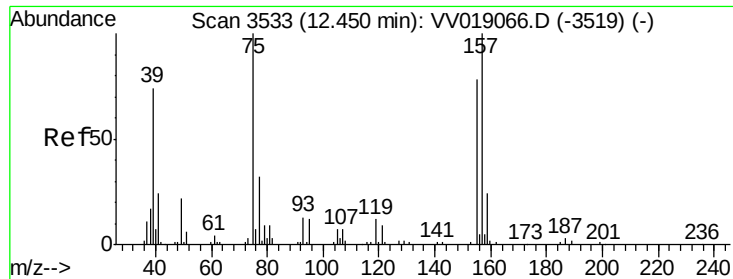
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	27.8	51.6
148	64.1	45.1	83.9



#65
 1,2-Dichlorobenzene
 Concen: 191.125 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV019081.D
 Acq: 22 Oct 2020 20:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	33.3	49.9
148	64.3	51.1	76.7

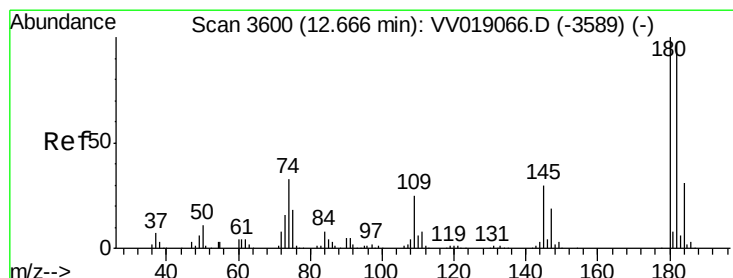
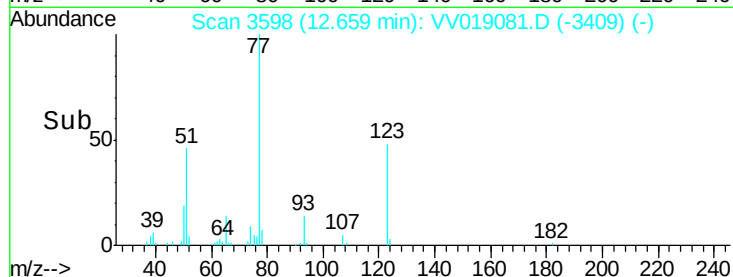
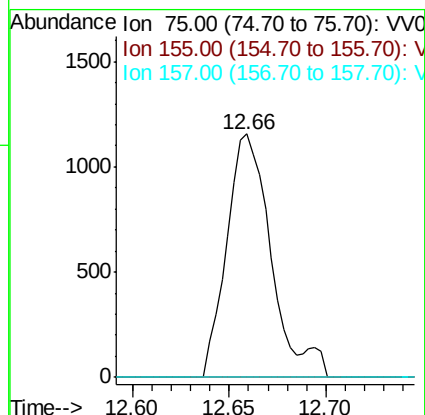
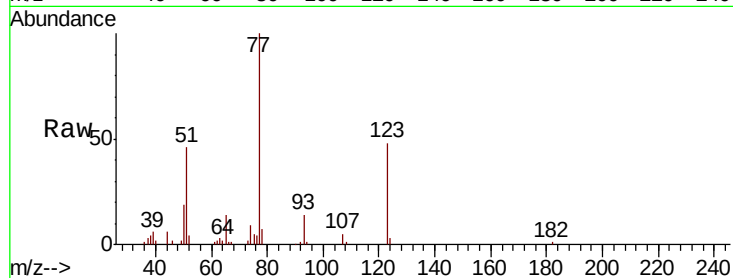




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.305 ug/L
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.21 min
 Lab File: VV019081.D
 Acq: 22 Oct 2020 20:34

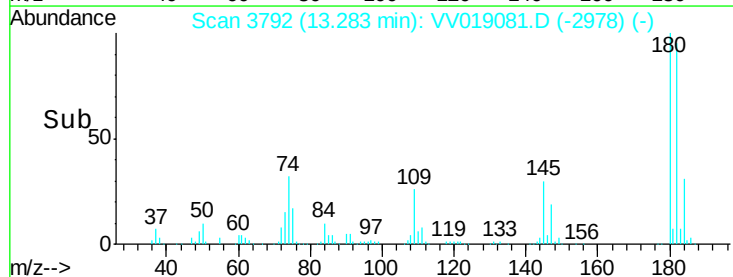
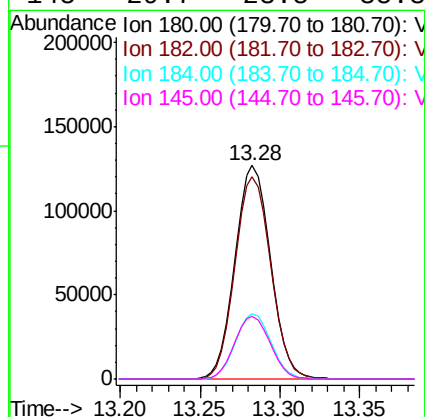
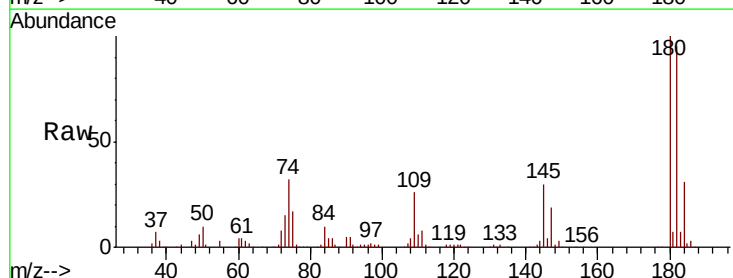
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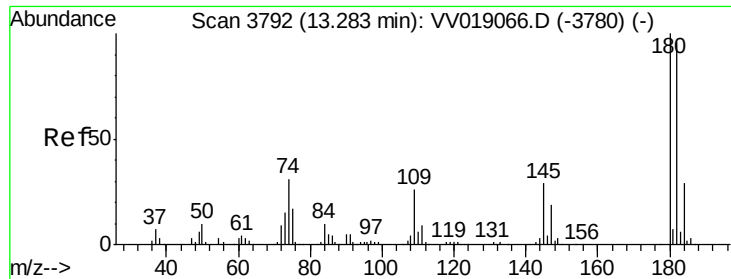
Tot Ion: 75 Resp: 1843
 Ion Ratio Lower Upper
 75 100
 155 0.0 62.2 93.4#
 157 0.0 79.9 119.9#



#67
 1,3,5-Trichlorobenzene
 Concen: 62.535 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV019081.D
 Acq: 22 Oct 2020 20:34

Tgt Ion: 180 Resp: 191661
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.4 116.0
 184 30.8 24.7 37.1
 145 29.7 23.5 35.3

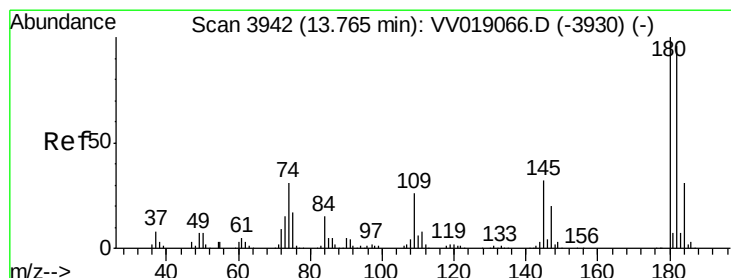
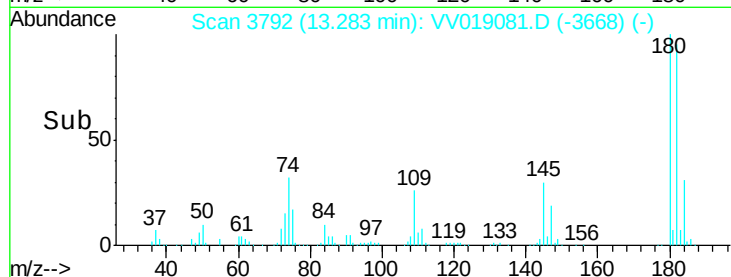
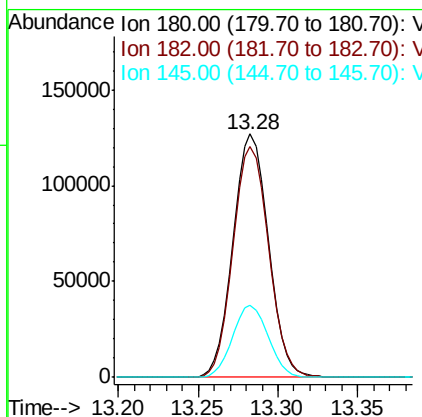
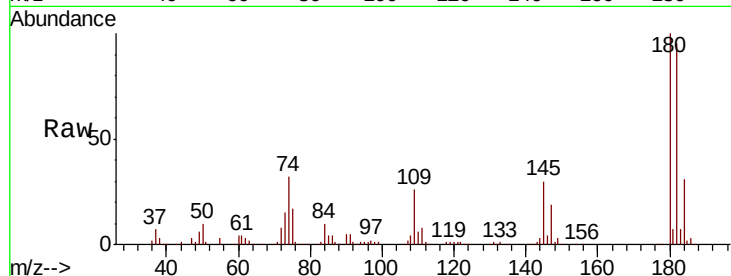




#68
 1,2,4-trichlorobenzene
 Concen: 66.317 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019081.D
 Acq: 22 Oct 2020 20:34

Instrument :
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 ClientSampleId :
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Tot Ion	180	Resp	191661
Ion Ratio	Lower	Upper	
180	100		
182	95.3	77.4	116.2
145	29.7	23.7	35.5



#70
 1,2,3-Trichlorobenzene
 Concen: 40.749 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV019081.D
 Acq: 22 Oct 2020 20:34

Tgt Ion	180	Resp	119324
Ion Ratio	Lower	Upper	
180	100		
182	97.2	76.9	115.3
145	31.9	25.6	38.4

