

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041923\
 Data File : VW030663.D
 Acq On : 19 Apr 2023 14:36
 Operator : SY/MD
 Sample : 02360-16
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

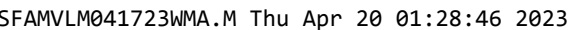
Quant Time: Apr 20 01:28:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 20 01:26:42 2023
 Response via : Initial Calibration

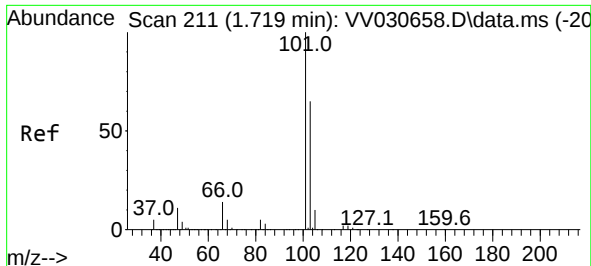
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	230620	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	221375	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	111406	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	52763	31.209	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	62.420%	
7) Chloroethane-d5	1.535	69	47628	33.618	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	67.240%#	
11) 1,1-Dichloroethene-d2	2.063	65	27308	34.061	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	68.120%	
21) 2-Butanone-d5	3.796	46	90800	97.783	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	97.780%	
24) Chloroform-d	4.259	84	128383	41.903	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	83.800%	
26) 1,2-Dichloroethane-d4	4.953	65	86830	44.081	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	88.160%	
32) Benzene-d6	4.969	84	221937	42.403	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	84.800%	
36) 1,2-Dichloropropane-d6	5.998	67	74270	45.682	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	91.360%	
41) Toluene-d8	7.252	98	190743	38.815	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	77.640%#	
43) trans-1,3-Dichloroprop...	7.561	79	35930	43.847	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	87.700%	
47) 2-Hexanone-d5	8.034	63	56000	87.437	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	87.440%	
56) 1,1,2,2-Tetrachloroeth...	10.162	84	111295	47.177	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	94.360%	
66) 1,2-Dichlorobenzene-d4	11.570	152	86539	48.871	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	97.740%	
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.072	101	5715	1.682	ug/L	87
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	5783	3.238	ug/L	90
12) 1,1-Dichloroethene	2.072	96	3487	2.159	ug/L #	1
20) cis-1,2-Dichloroethene	3.831	96	8488	4.786	ug/L	93
30) 1,1,1-Trichloroethane	4.522	97	188835	60.706	ug/L	98
34) Trichloroethene	5.841	95	269841	154.320	ug/L	97
51) Chlorobenzene	8.825	112	13355	2.801	ug/L	95
65) 1,4-Dichlorobenzene	11.220	146	8863	2.416	ug/L	92
67) 1,2-Dichlorobenzene	11.586	146	6057	1.726	ug/L #	90

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

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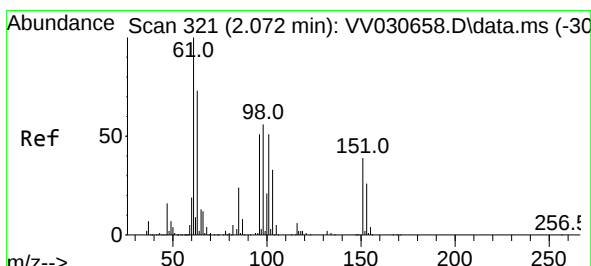
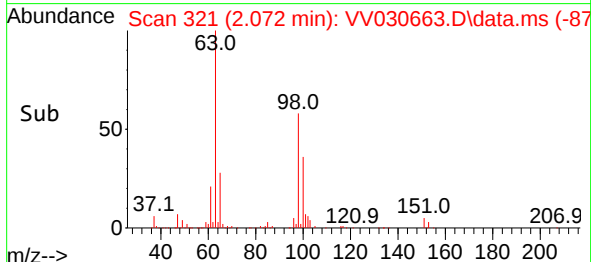
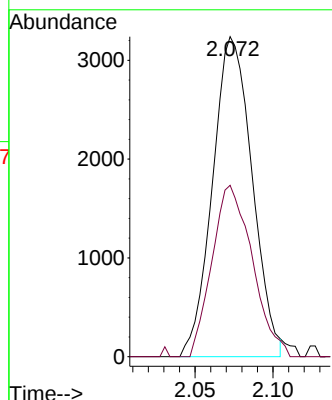
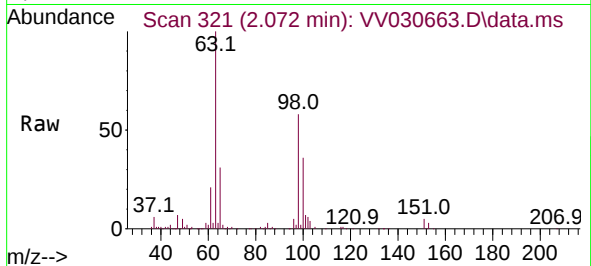




#9
 Trichlorofluoromethane
 Concen: 1.682 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.354 min
 Lab File: VV030663.D
 Acq: 19 Apr 2023 14:36

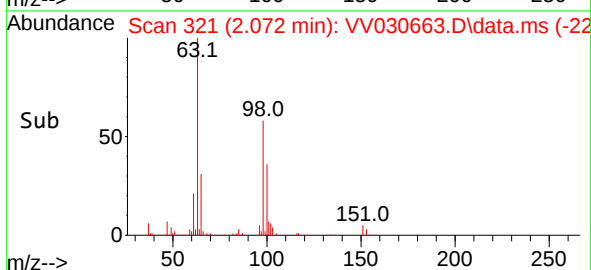
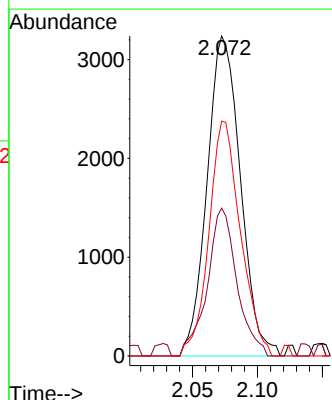
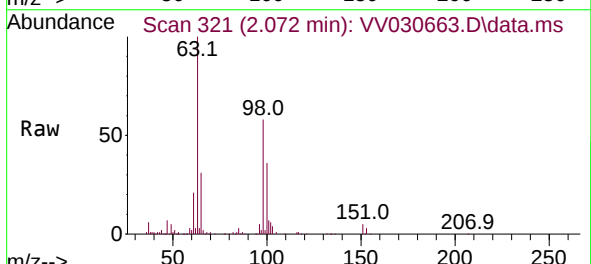
Instrument :
 MSVOA_V
 ClientSampleId :

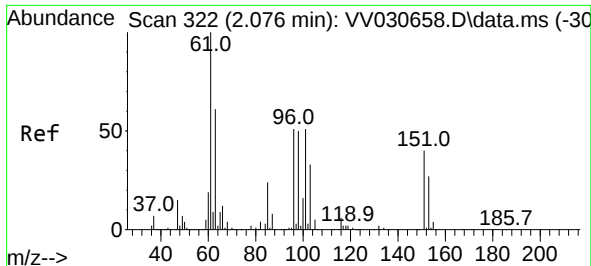
Tgt Ion:101 Resp: 5715
 Ion Ratio Lower Upper
 101 100
 103 54.2 51.4 77.0



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.238 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV030663.D
 Acq: 19 Apr 2023 14:36

Tgt Ion:101 Resp: 5783
 Ion Ratio Lower Upper
 101 100
 85 41.0 37.5 56.3
 151 69.4 63.5 95.3





#12

1,1-Dichloroethene

Concen: 2.159 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV030663.D

Acq: 19 Apr 2023 14:36

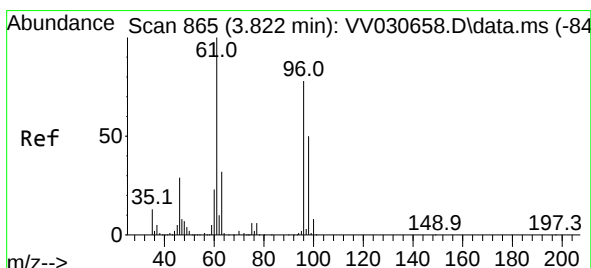
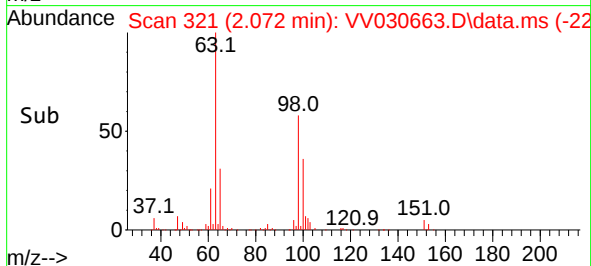
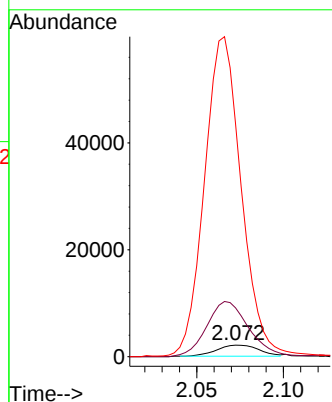
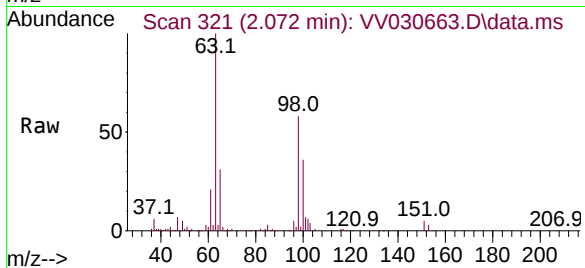
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 96 Resp: 3487

Ion	Ratio	Lower	Upper
96	100		
61	422.0	131.9	245.0#
63	2012.6	99.8	185.3#



#20

cis-1,2-Dichloroethene

Concen: 4.786 ug/L

RT: 3.831 min Scan# 868

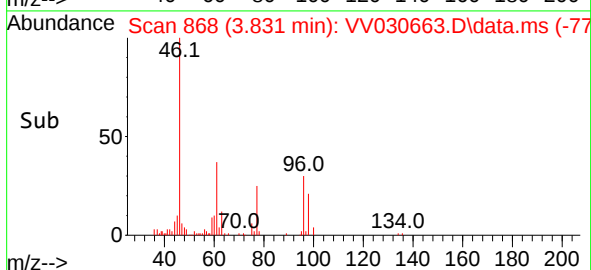
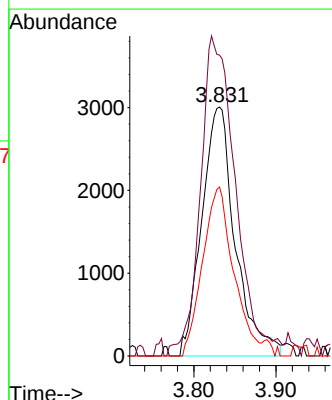
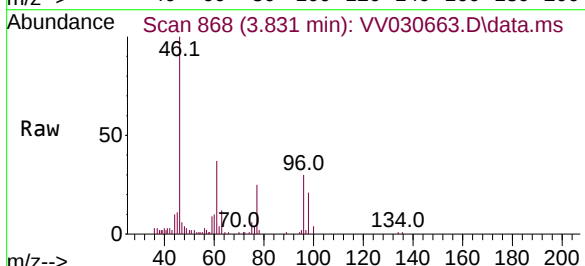
Delta R.T. 0.010 min

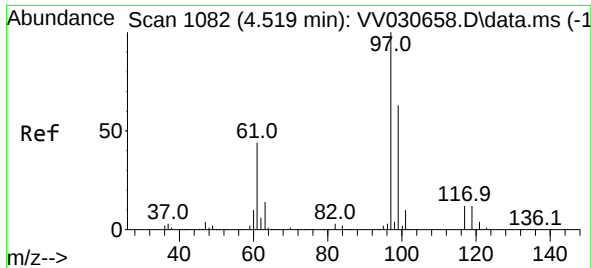
Lab File: VV030663.D

Acq: 19 Apr 2023 14:36

Tgt Ion: 96 Resp: 8488

Ion	Ratio	Lower	Upper
96	100		
61	120.8	92.3	171.3
98	67.9	45.9	85.3





#30

1,1,1-Trichloroethane

Concen: 60.706 ug/L

RT: 4.522 min Scan# 1082

Delta R.T. 0.003 min

Lab File: VV030663.D

Acq: 19 Apr 2023 14:36

Instrument :

MSVOA_V

ClientSampleId :

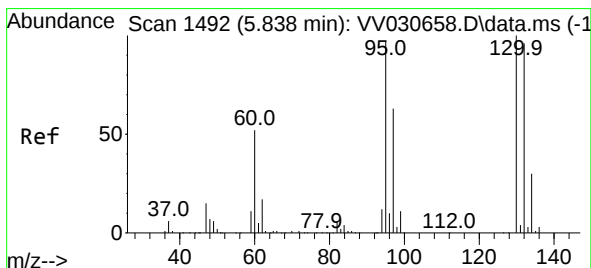
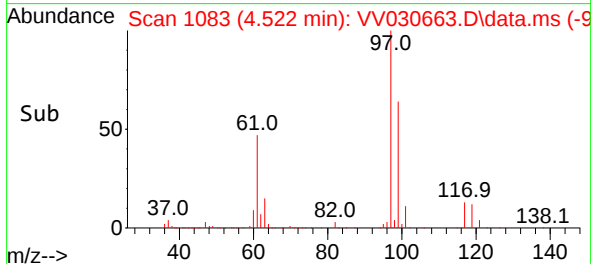
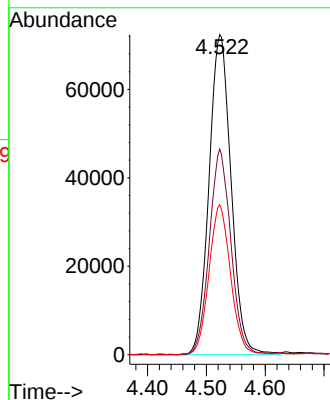
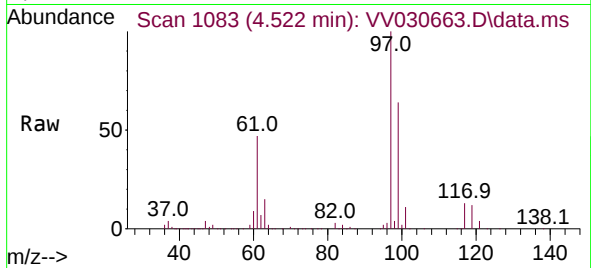
Tgt Ion: 97 Resp: 188835

Ion Ratio Lower Upper

97 100

99 62.7 51.4 77.0

61 45.0 37.0 55.6



#34

Trichloroethene

Concen: 154.320 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV030663.D

Acq: 19 Apr 2023 14:36

Tgt Ion: 95 Resp: 269841

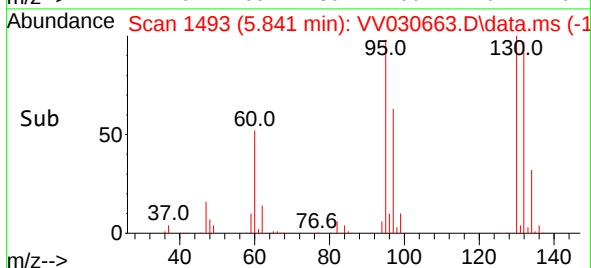
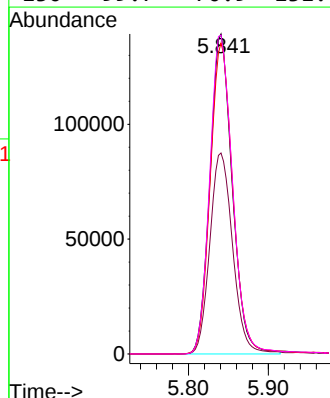
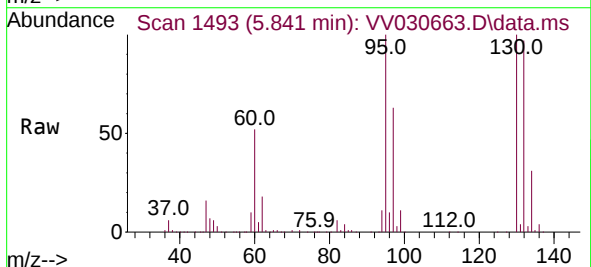
Ion Ratio Lower Upper

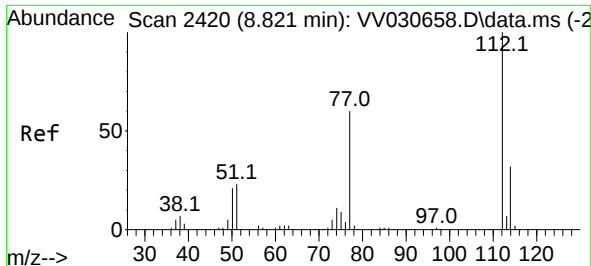
95 100

97 62.8 45.8 85.2

132 97.2 70.6 131.2

130 99.7 70.9 131.7





#51

Chlorobenzene

Concen: 2.801 ug/L

RT: 8.825 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV030663.D

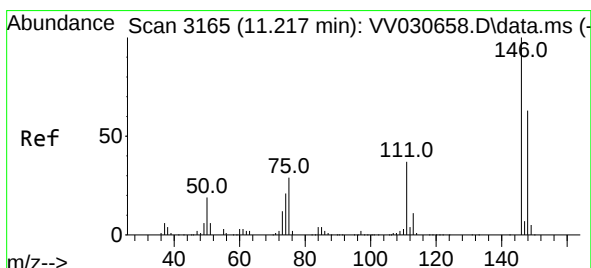
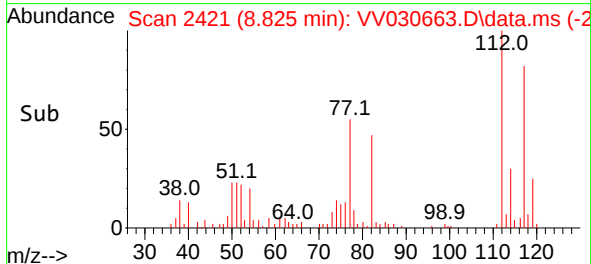
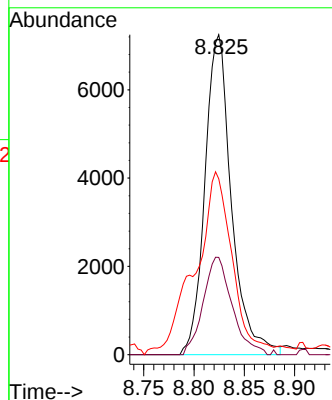
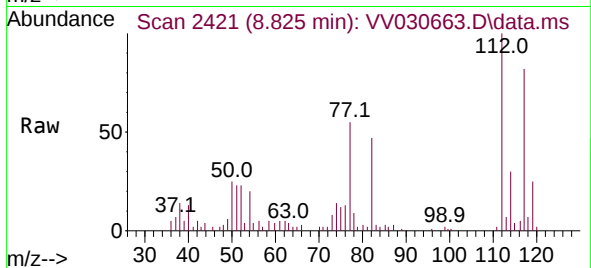
Acq: 19 Apr 2023 14:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:112	Resp:	13355
Ion Ratio	Lower	Upper
112	100	
114	30.4	22.4 41.6
77	55.0	47.4 71.0



#65

1,4-Dichlorobenzene

Concen: 2.416 ug/L

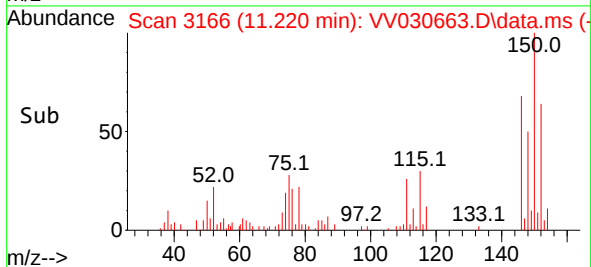
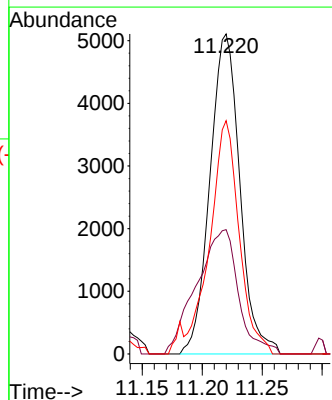
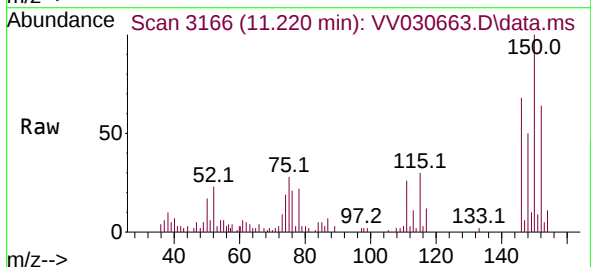
RT: 11.220 min Scan# 3166

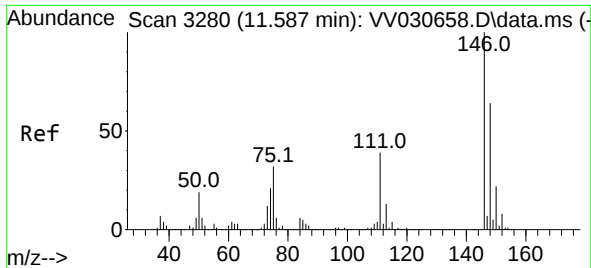
Delta R.T. 0.003 min

Lab File: VV030663.D

Acq: 19 Apr 2023 14:36

Tgt Ion:146	Resp:	8863
Ion Ratio	Lower	Upper
146	100	
111	38.8	26.5 49.1
148	72.9	44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 1.726 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

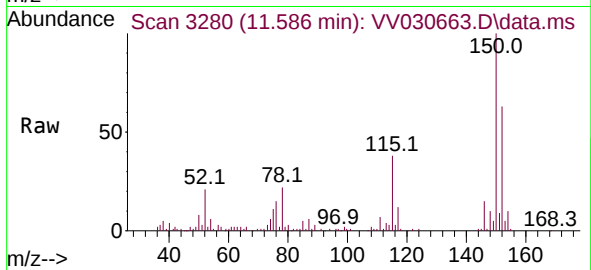
Lab File: VV030663.D

Acq: 19 Apr 2023 14:36

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	146	Resp:	6057
Ion	Ratio	Lower	Upper
146	100		
111	50.0	32.0	48.0#
148	68.3	50.6	76.0

