

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020223\
 Data File : VU052929.D
 Acq On : 02 Feb 2023 16:35
 Operator : JC/MD
 Sample : 01381-14DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 03 00:27:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 00:24:34 2023
 Response via : Initial Calibration

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

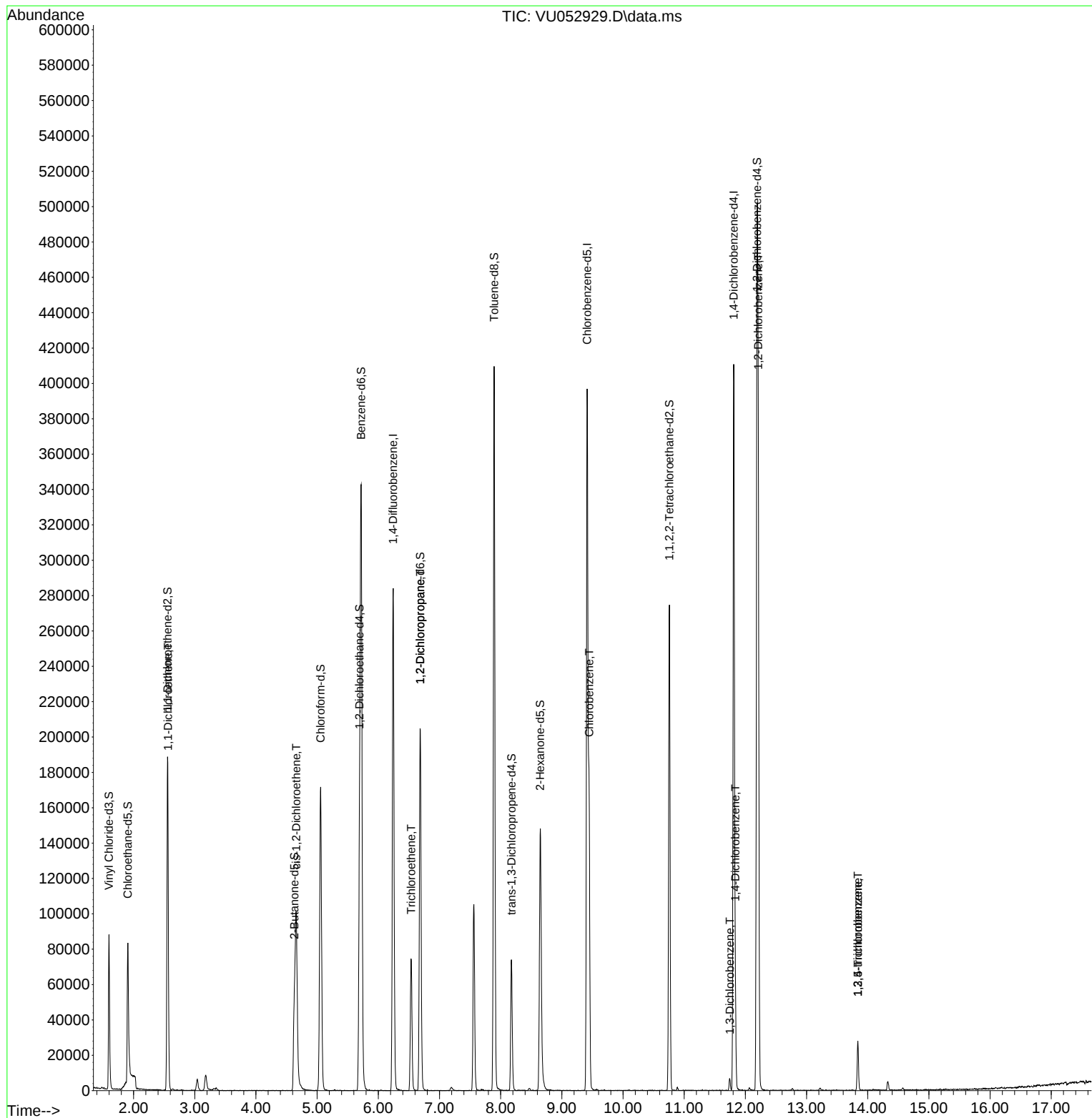
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	237495	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	230285	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	111383	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	69759	40.810	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	81.620%	
7) Chloroethane-d5	1.906	69	66966	47.544	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	95.080%	
11) 1,1-Dichloroethene-d2	2.556	63	110933	32.628	ug/L	-0.01
Spiked Amount	50.000	Range 60 - 125	Recovery	=	65.260%	
21) 2-Butanone-d5	4.629	46	82998	78.598	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	78.600%	
24) Chloroform-d	5.057	84	164650	45.133	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	90.260%	
26) 1,2-Dichloroethane-d4	5.694	65	110470	47.424	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	94.840%	
32) Benzene-d6	5.719	84	319040	45.347	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	90.700%	
36) 1,2-Dichloropropane-d6	6.684	67	96031	46.539	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	93.080%	
41) Toluene-d8	7.893	98	273534	42.696	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	85.400%	
43) trans-1,3-Dichloroprop...	8.176	79	44547	43.073	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	86.140%	
47) 2-Hexanone-d5	8.645	63	56928	78.518	ug/L	0.02
Spiked Amount	100.000	Range 45 - 130	Recovery	=	78.520%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	127337	41.768	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	83.540%	
66) 1,2-Dichlorobenzene-d4	12.192	152	111832	51.708	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	103.420%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.562	96	1105	0.629	ug/L #	1
20) cis-1,2-Dichloroethene	4.658	96	44545	21.974	ug/L	96
34) Trichloroethene	6.536	95	25762	12.930	ug/L	96
37) 1,2-Dichloropropane	6.684	63	10968	5.691	ug/L #	85
51) Chlorobenzene	9.446	112	97159	17.578	ug/L	94
64) 1,3-Dichlorobenzene	11.745	146	3355	0.924	ug/L	93
65) 1,4-Dichlorobenzene	11.835	146	25132	6.689	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	135276	36.850	ug/L	98
69) 1,3,5-Trichlorobenzene	13.838	180	9484	3.530	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	9484	4.210	ug/L	99

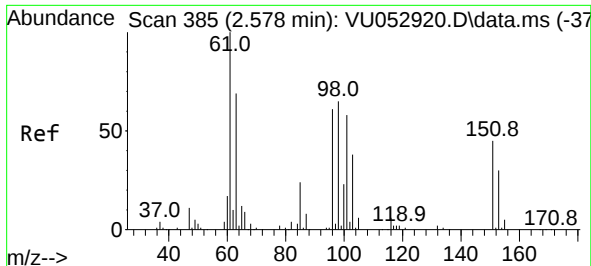
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Feb 03 00:24:34 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.629 ug/L

RT: 2.562 min Scan# 31

Delta R.T. -0.016 min

Lab File: VU052929.D

Acq: 02 Feb 2023 16:35

Instrument :

MSVOA_U

ClientSampleId :

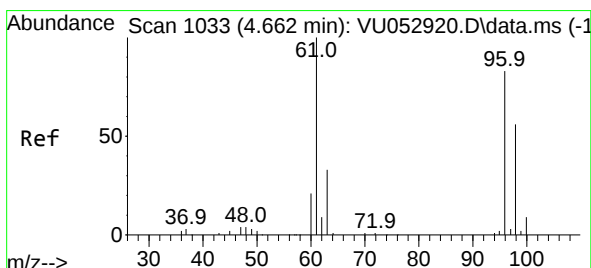
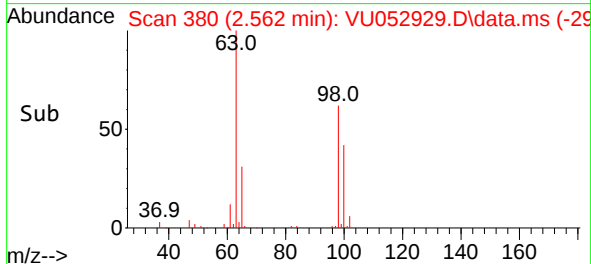
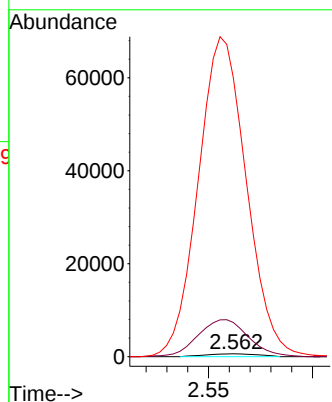
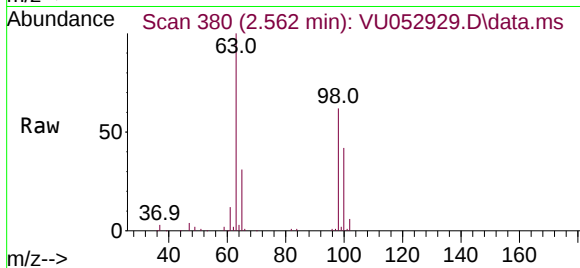
Tgt Ion: 96 Resp: 1105

Ion Ratio Lower Upper

96 100

61 1179.8 114.3 212.3#

63 9621.8 80.6 149.6#



#20

cis-1,2-Dichloroethene

Concen: 21.974 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU052929.D

Acq: 02 Feb 2023 16:35

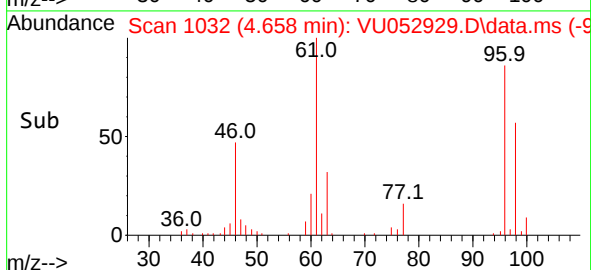
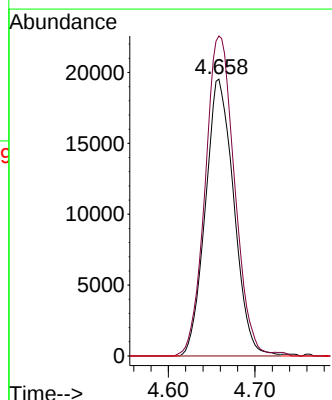
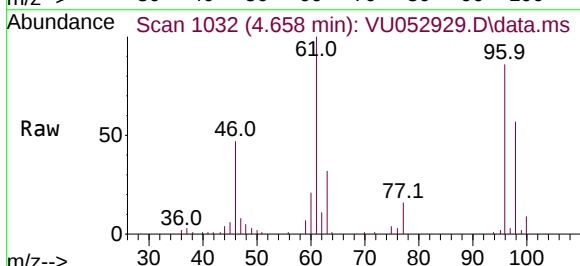
Tgt Ion: 96 Resp: 44545

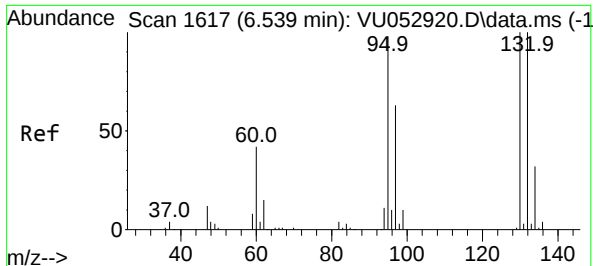
Ion Ratio Lower Upper

96 100

61 115.6 84.1 156.1

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 12.930 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

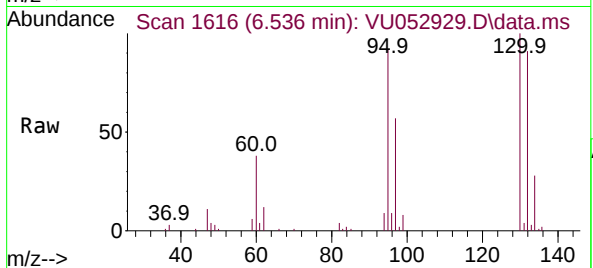
Lab File: VU052929.D

Acq: 02 Feb 2023 16:35

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 25762

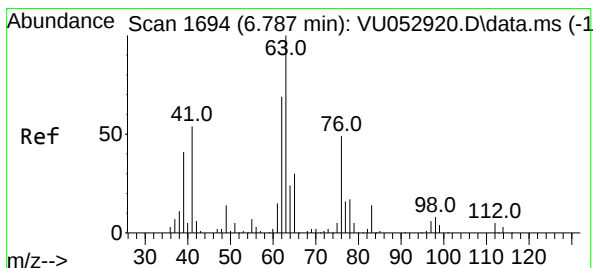
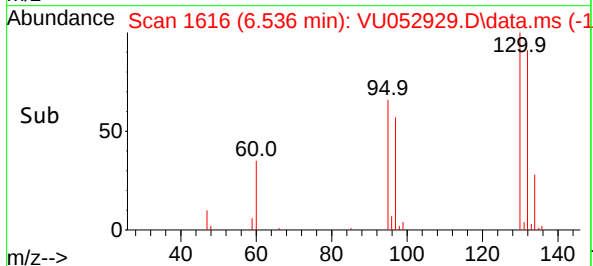
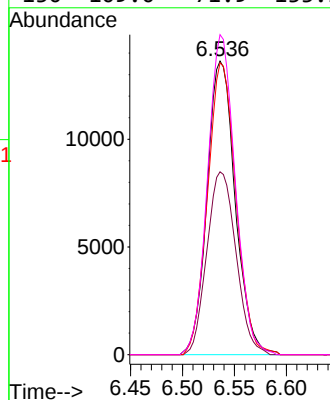
Ion Ratio Lower Upper

95 100

97 62.3 44.5 82.7

132 99.4 66.8 124.0

130 109.0 71.9 133.5



#37

1,2-Dichloropropane

Concen: 5.691 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.103 min

Lab File: VU052929.D

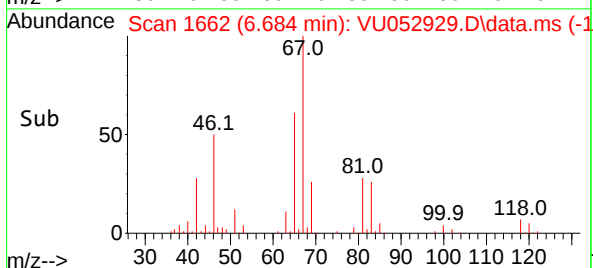
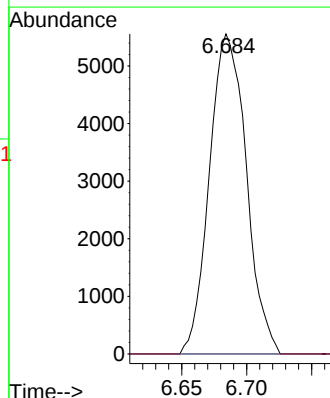
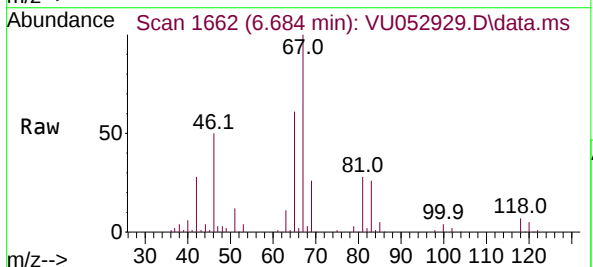
Acq: 02 Feb 2023 16:35

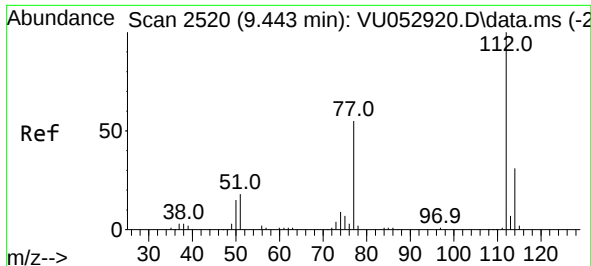
Tgt Ion: 63 Resp: 10968

Ion Ratio Lower Upper

63 100

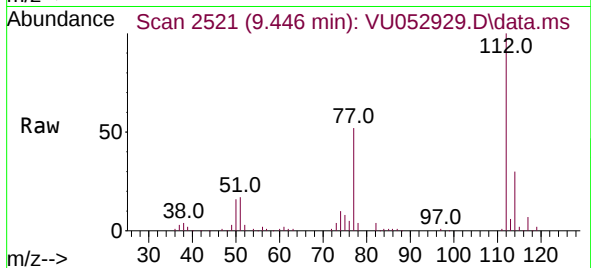
112 0.0 3.8 5.8#



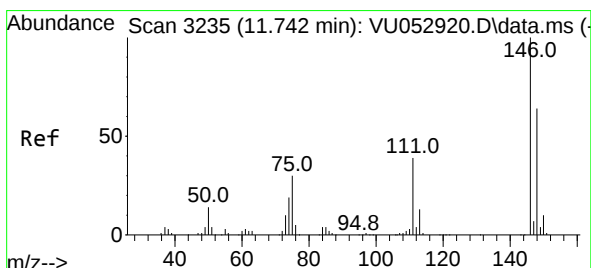
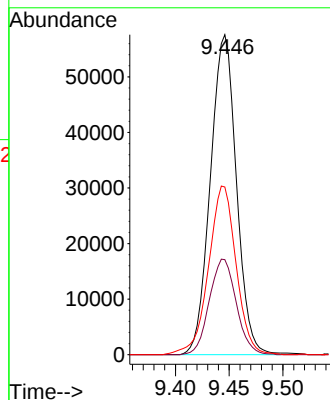
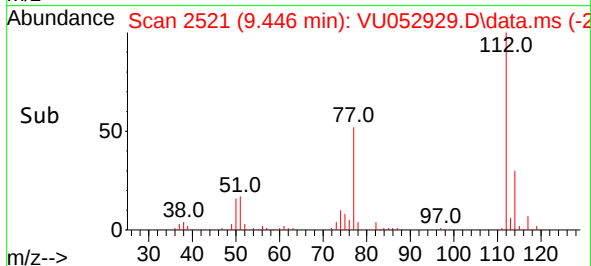


#51
Chlorobenzene
Concen: 17.578 ug/L
RT: 9.446 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052929.D
Acq: 02 Feb 2023 16:35

Instrument :
MSVOA_U
ClientSampleId :

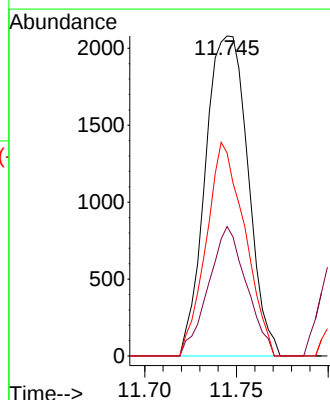
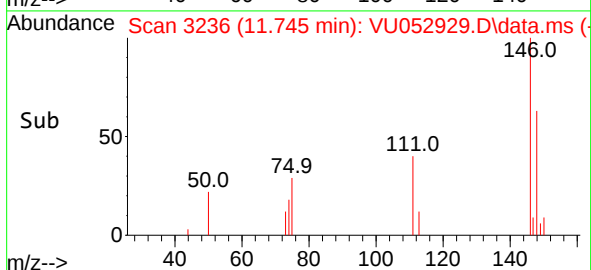
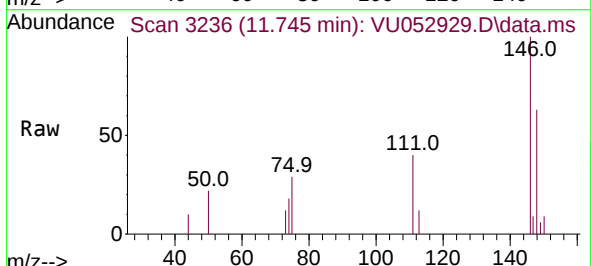


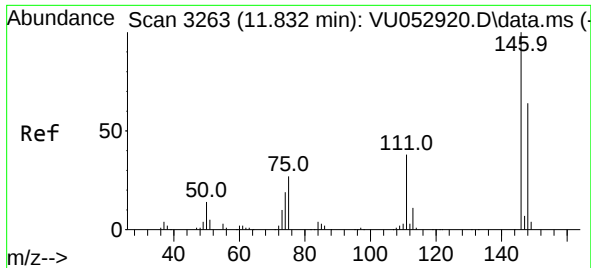
Tgt Ion:112 Resp: 97159
Ion Ratio Lower Upper
112 100
114 29.7 22.8 42.4
77 52.4 45.9 68.9



#64
1,3-Dichlorobenzene
Concen: 0.924 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU052929.D
Acq: 02 Feb 2023 16:35

Tgt Ion:146 Resp: 3355
Ion Ratio Lower Upper
146 100
111 37.3 27.8 51.6
148 58.4 45.5 84.5

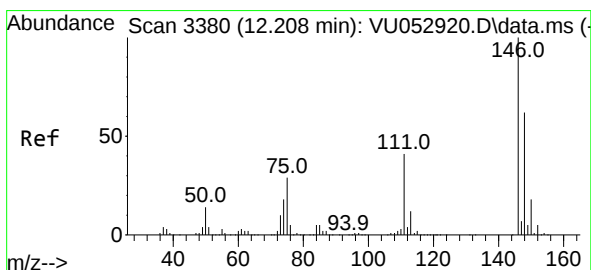
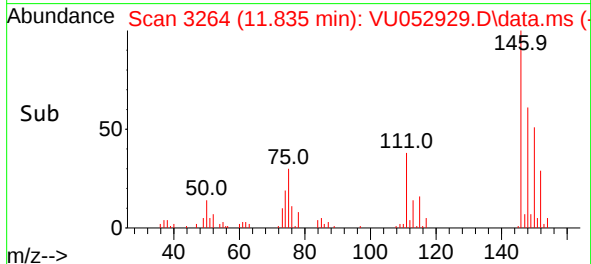
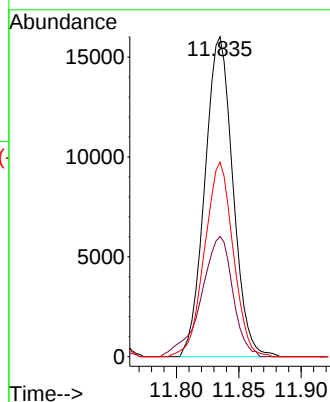
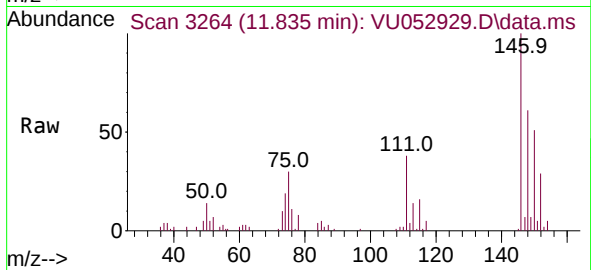




#65
1,4-Dichlorobenzene
Concen: 6.689 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU052929.D
Acq: 02 Feb 2023 16:35

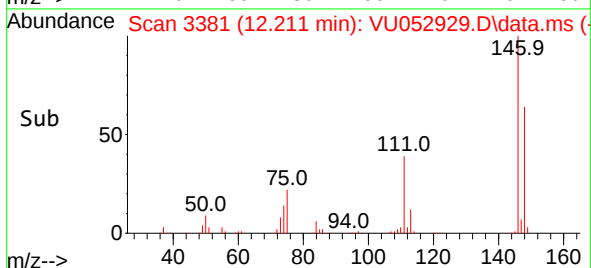
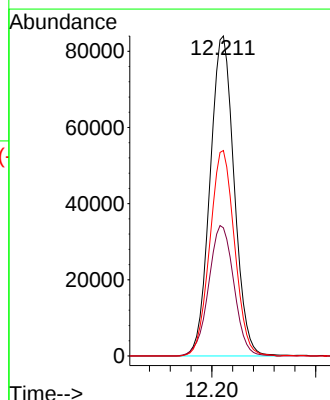
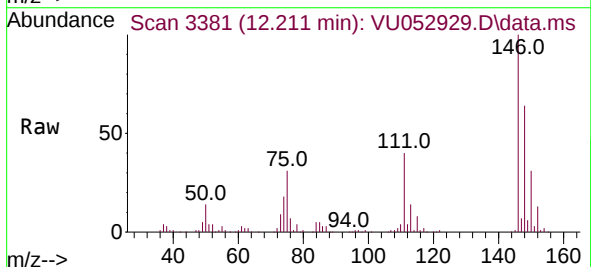
Instrument :
MSVOA_U
ClientSampleId :

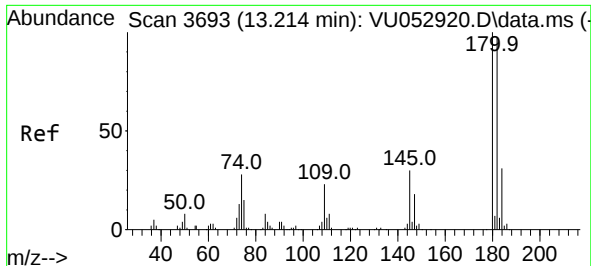
Tgt Ion:146 Resp: 25132
Ion Ratio Lower Upper
146 100
111 37.6 26.7 49.7
148 60.7 45.6 84.6



#67
1,2-Dichlorobenzene
Concen: 36.850 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU052929.D
Acq: 02 Feb 2023 16:35

Tgt Ion:146 Resp: 135276
Ion Ratio Lower Upper
146 100
111 40.1 33.2 49.8
148 64.2 50.2 75.4





#69

1,3,5-Trichlorobenzene

Concen: 3.530 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.624 min

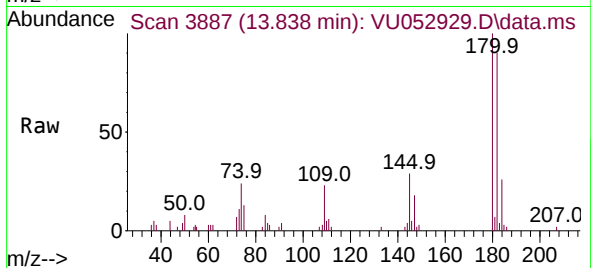
Lab File: VU052929.D

Acq: 02 Feb 2023 16:35

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 9484

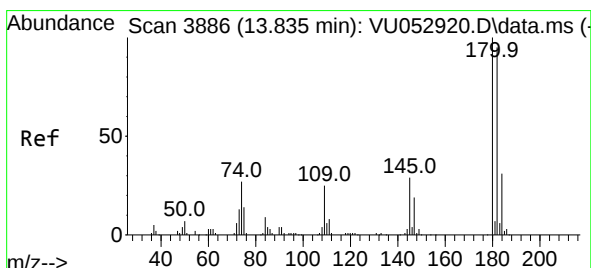
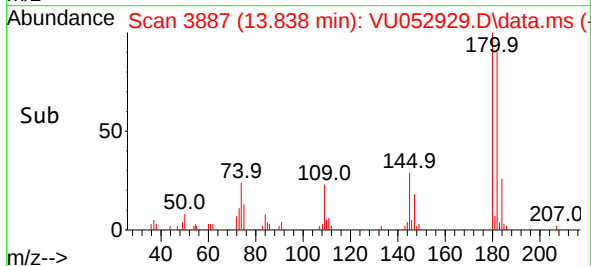
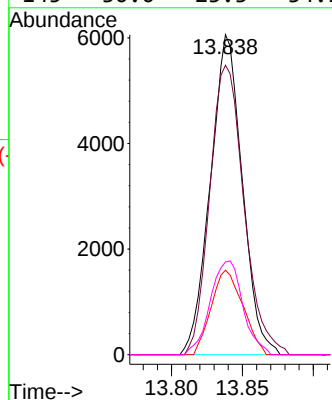
Ion Ratio Lower Upper

180 100

182 97.0 77.0 115.6

184 26.1 24.4 36.6

145 30.0 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 4.210 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU052929.D

Acq: 02 Feb 2023 16:35

Tgt Ion:180 Resp: 9484

Ion Ratio Lower Upper

180 100

182 97.0 78.2 117.2

145 30.0 23.4 35.2

