

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
 Data File : VU053618.D
 Acq On : 10 Apr 2023 16:26
 Operator : JC/MD
 Sample : 02251-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMD3

Quant Time: Apr 11 02:23:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 11 02:19:45 2023
 Response via : Initial Calibration

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

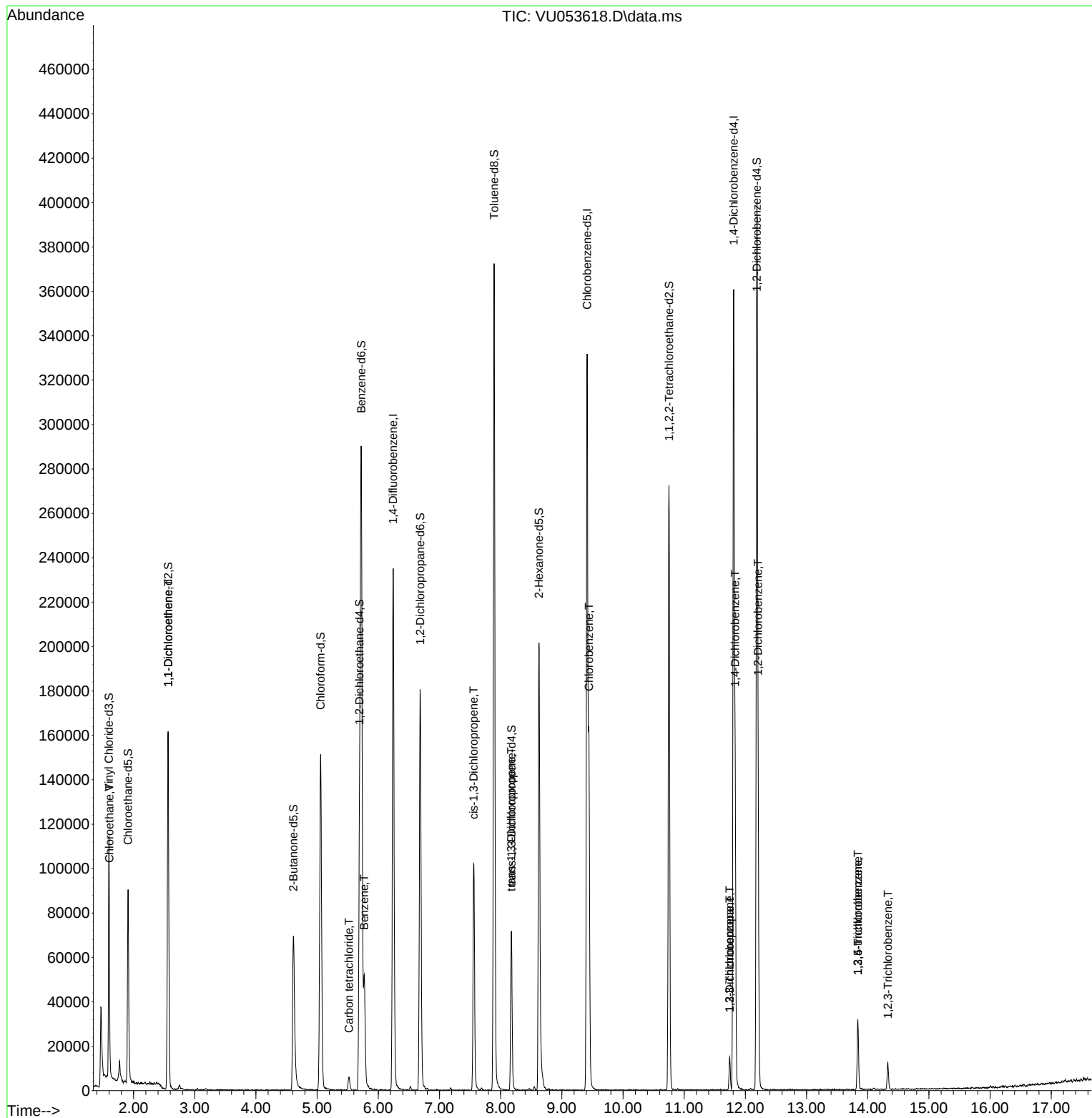
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	201577	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	188253	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	94861	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79406	50.590	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	= 101.180%		
7) Chloroethane-d5	1.909	69	68580	56.668	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	= 113.340%		
11) 1,1-Dichloroethene-d2	2.565	63	94470	38.881	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 77.760%		
21) 2-Butanone-d5	4.613	46	98775	138.993	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	= 138.990%#		
24) Chloroform-d	5.057	84	137381	52.923	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 105.840%		
26) 1,2-Dichloroethane-d4	5.694	65	87618	57.122	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 114.240%		
32) Benzene-d6	5.723	84	279947	55.092	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 110.180%		
36) 1,2-Dichloropropane-d6	6.684	67	89124	57.382	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	= 114.760%		
41) Toluene-d8	7.893	98	258146	51.113	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 102.220%		
43) trans-1,3-Dichloroprop...	8.176	79	42000	52.386	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 104.780%		
47) 2-Hexanone-d5	8.626	63	72805	137.348	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	= 137.350%#		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	132269	60.421	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	= 120.840%#		
66) 1,2-Dichlorobenzene-d4	12.189	152	102768	51.901	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 103.800%		
Target Compounds						
						Qvalue
8) Chloroethane	1.604	64	2036	2.173	ug/L	89
12) 1,1-Dichloroethene	2.565	96	741	0.599	ug/L #	1
31) Carbon tetrachloride	5.520	117	3955	2.128	ug/L	95
33) Benzene	5.771	78	51541	10.508	ug/L	100
39) cis-1,3-Dichloropropene	7.559	75	2467	1.212	ug/L #	46
44) trans-1,3-Dichloropropene	8.173	75	1761	0.915	ug/L	85
51) Chlorobenzene	9.443	112	80256	20.956	ug/L	92
60) 1,2,3-Trichloropropane	11.745	75	1768	1.285	ug/L #	42
64) 1,3-Dichlorobenzene	11.745	146	6590	2.249	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	57380	19.211	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	36570	12.521	ug/L	91
69) 1,3,5-Trichlorobenzene	13.838	180	10245	4.721	ug/L	95
70) 1,2,4-trichlorobenzene	13.838	180	10245	5.092	ug/L	95
72) 1,2,3-Trichlorobenzene	14.330	180	4611	2.294	ug/L	95

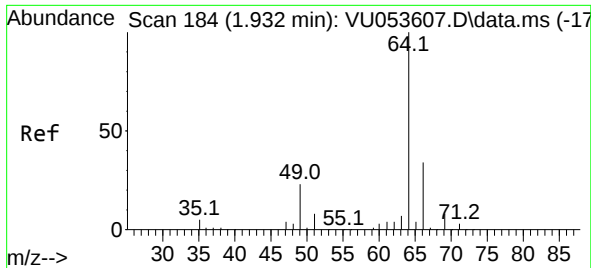
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
Data File : VU053618.D
Acq On : 10 Apr 2023 16:26
Operator : JC/MD
Sample : 02251-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
COMD3

Quant Time: Apr 11 02:23:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 11 02:19:45 2023
Response via : Initial Calibration

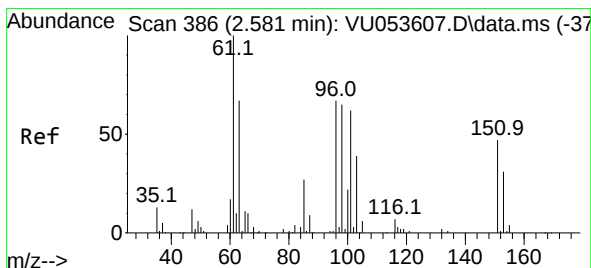
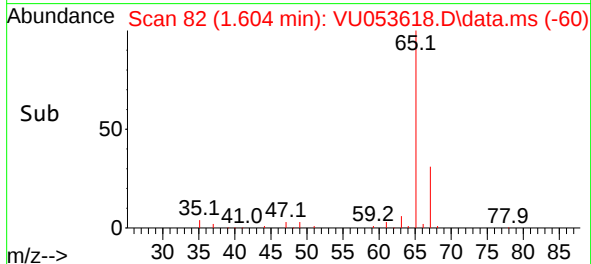
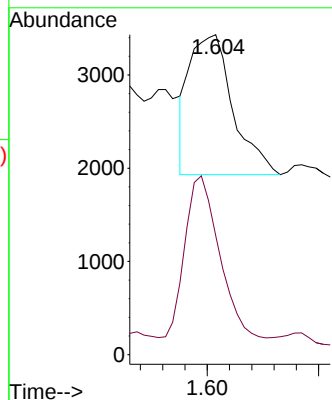
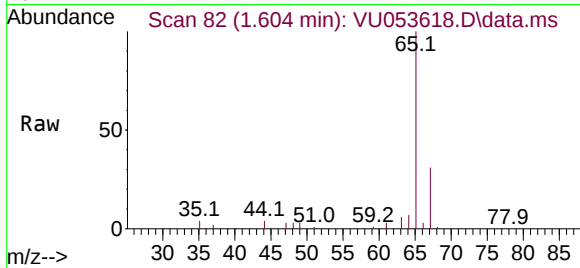




#8
Chloroethane
Concen: 2.173 ug/L
RT: 1.604 min Scan# 81
Delta R.T. -0.328 min
Lab File: VU053618.D
Acq: 10 Apr 2023 16:26

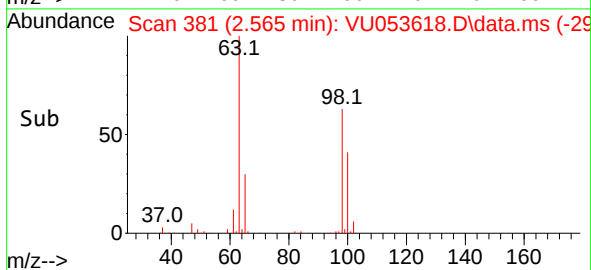
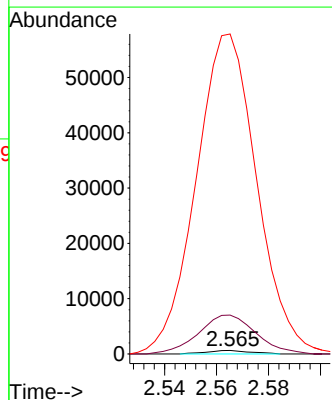
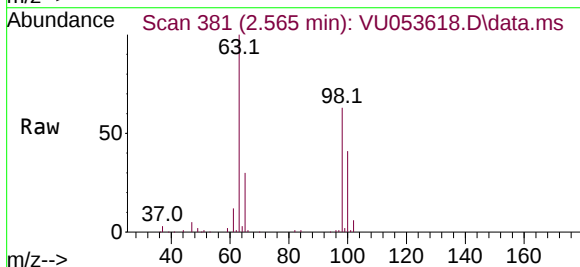
Instrument :
MSVOA_U
ClientSampleId :
COMD3

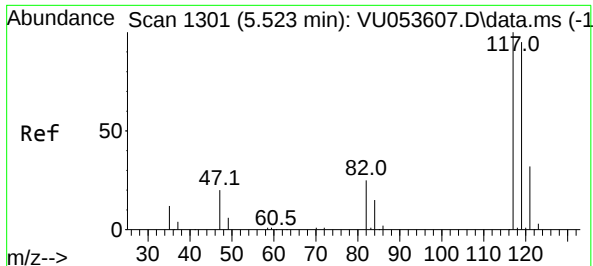
Tgt Ion: 64 Resp: 2036
Ion Ratio Lower Upper
64 100
66 37.2 21.8 40.6



#12
1,1-Dichloroethene
Concen: 0.599 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.016 min
Lab File: VU053618.D
Acq: 10 Apr 2023 16:26

Tgt Ion: 96 Resp: 741
Ion Ratio Lower Upper
96 100
61 1115.2 107.9 200.5#
63 9158.2 79.1 146.9#





#31

Carbon tetrachloride

Concen: 2.128 ug/L

RT: 5.520 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU053618.D

Acq: 10 Apr 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

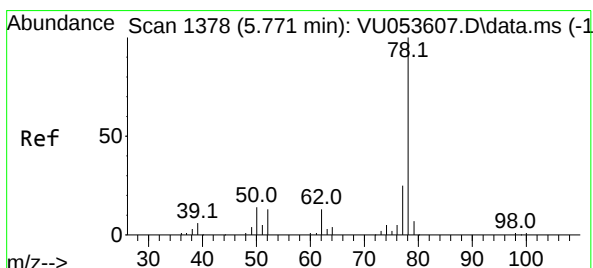
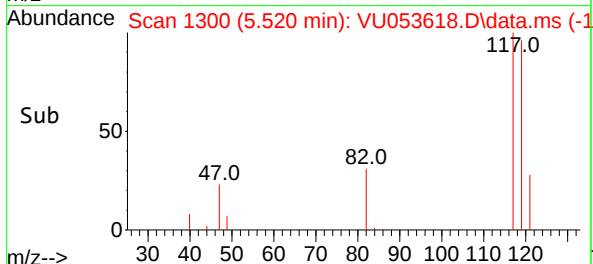
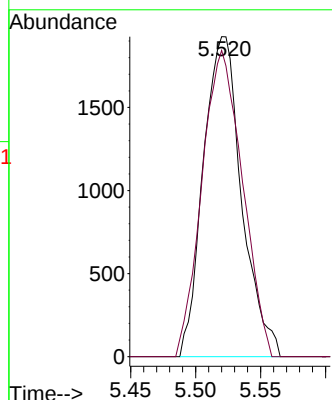
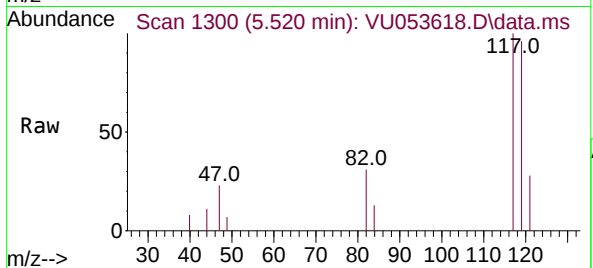
COMD3

Tgt Ion:117 Resp: 3955

Ion Ratio Lower Upper

117 100

119 100.8 76.9 115.3



#33

Benzene

Concen: 10.508 ug/L

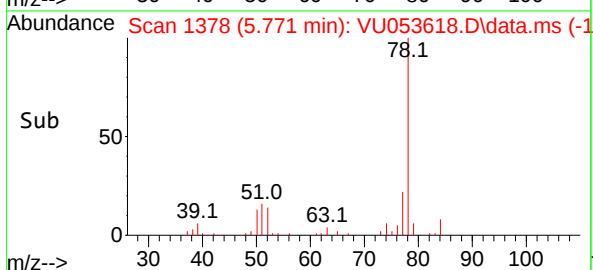
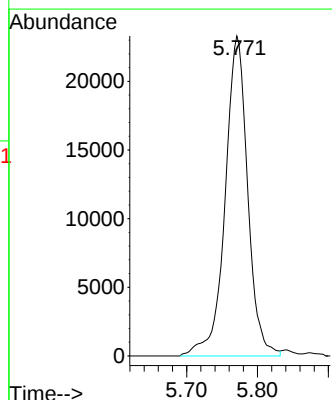
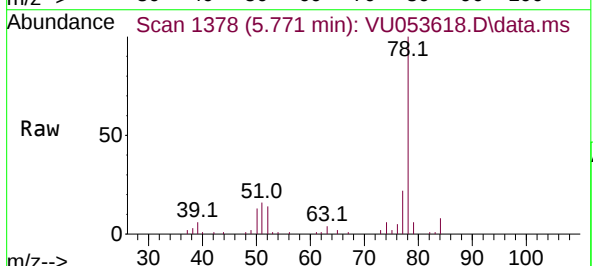
RT: 5.771 min Scan# 1378

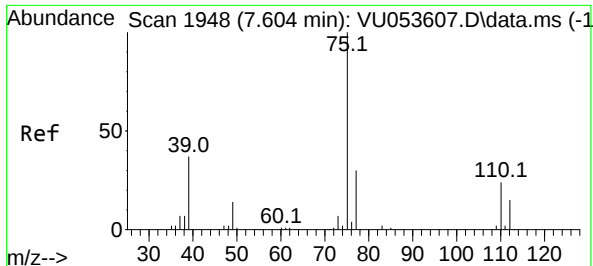
Delta R.T. 0.000 min

Lab File: VU053618.D

Acq: 10 Apr 2023 16:26

Tgt Ion: 78 Resp: 51541





#39

cis-1,3-Dichloropropene

Concen: 1.212 ug/L

RT: 7.559 min Scan# 1948

Delta R.T. -0.045 min

Lab File: VU053618.D

Acq: 10 Apr 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

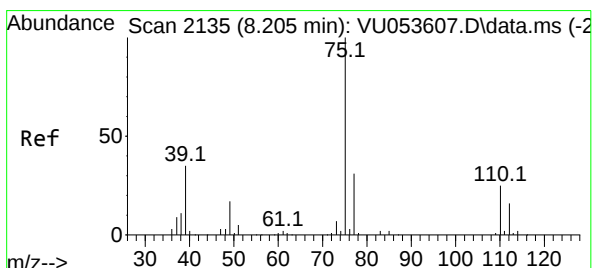
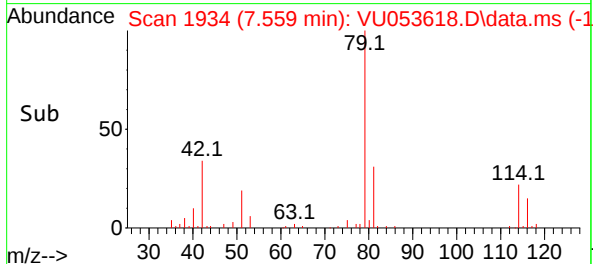
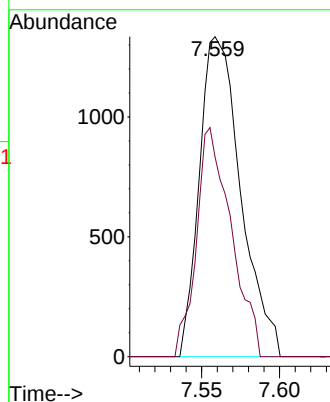
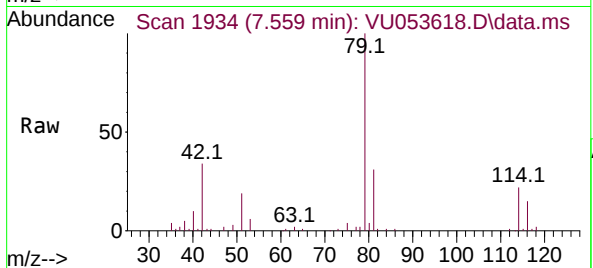
COMD3

Tgt Ion: 75 Resp: 2467

Ion Ratio Lower Upper

75 100

77 62.4 22.5 41.7#



#44

trans-1,3-Dichloropropene

Concen: 0.915 ug/L

RT: 8.173 min Scan# 2125

Delta R.T. -0.032 min

Lab File: VU053618.D

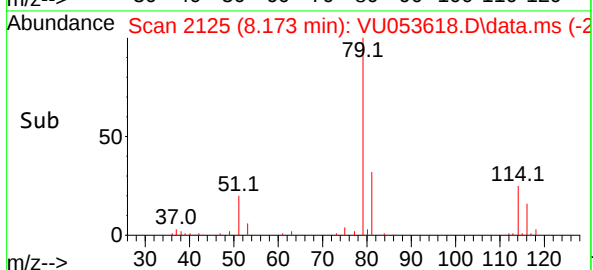
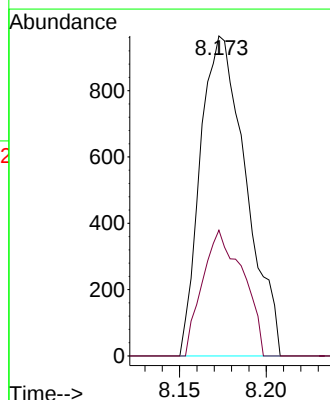
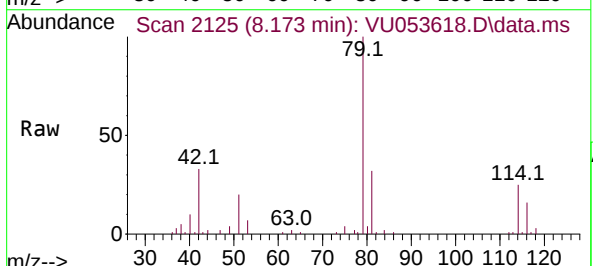
Acq: 10 Apr 2023 16:26

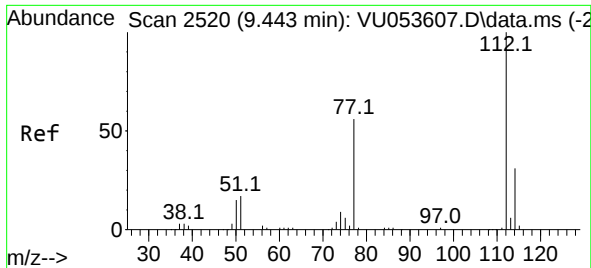
Tgt Ion: 75 Resp: 1761

Ion Ratio Lower Upper

75 100

77 39.3 21.8 40.4

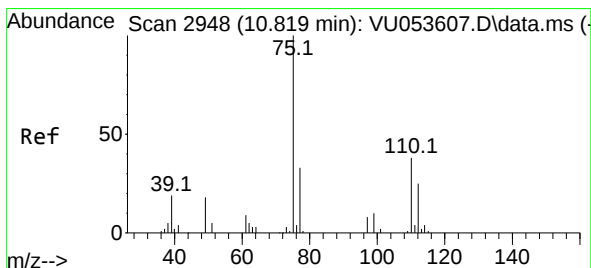
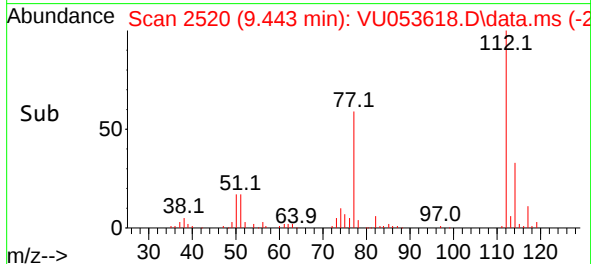
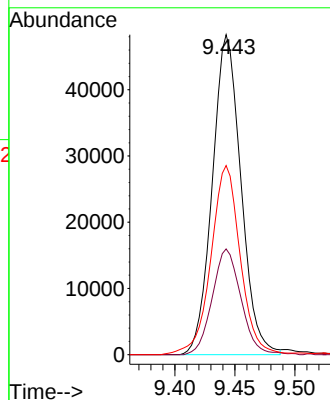
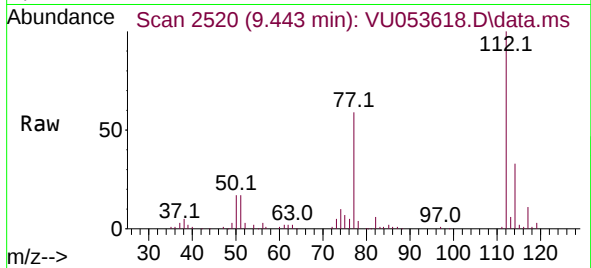




#51
Chlorobenzene
Concen: 20.956 ug/L
RT: 9.443 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053618.D
Acq: 10 Apr 2023 16:26

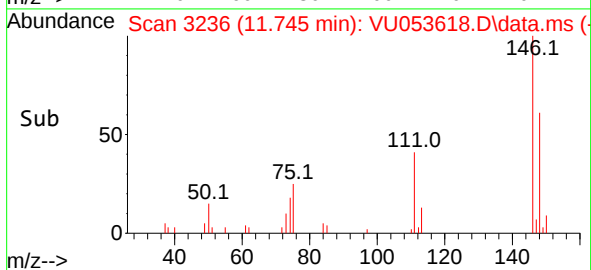
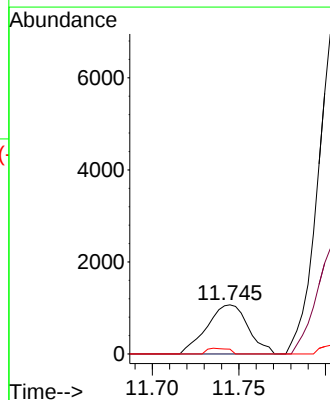
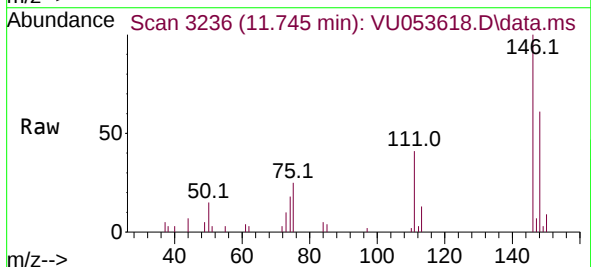
Instrument :
MSVOA_U
ClientSampleId :
COMD3

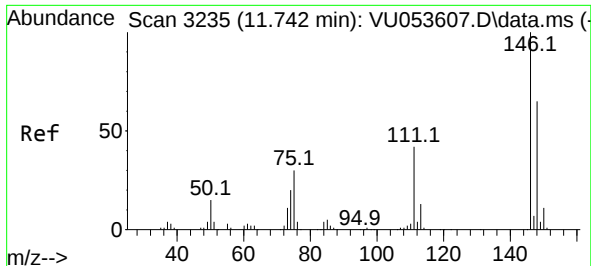
Tgt Ion:112 Resp: 80256
Ion Ratio Lower Upper
112 100
114 33.1 22.2 41.2
77 59.1 41.3 61.9



#60
1,2,3-Trichloropropane
Concen: 1.285 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.926 min
Lab File: VU053618.D
Acq: 10 Apr 2023 16:26

Tgt Ion: 75 Resp: 1768
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 4.9 32.6 48.8#





#64

1,3-Dichlorobenzene

Concen: 2.249 ug/L

RT: 11.745 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU053618.D

Acq: 10 Apr 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

COMD3

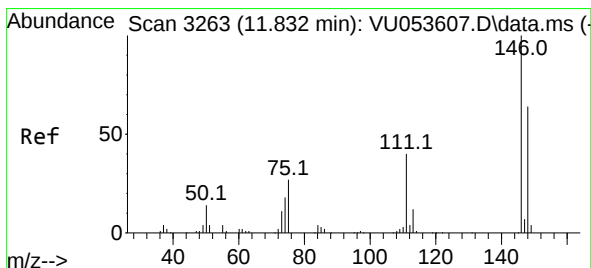
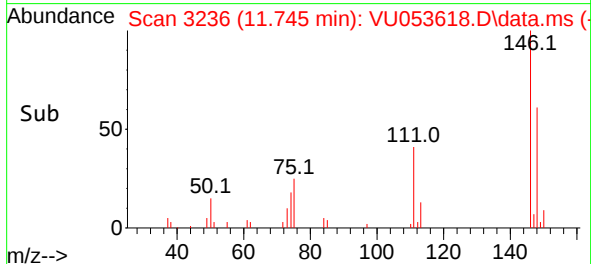
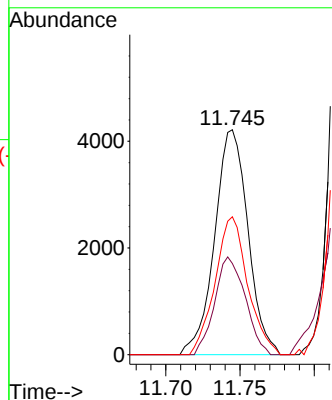
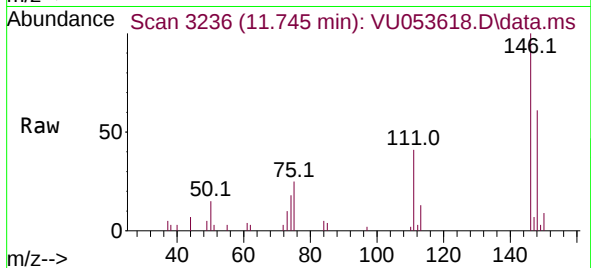
Tgt Ion:146 Resp: 6590

Ion Ratio Lower Upper

146 100

111 40.6 25.7 47.7

148 61.3 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 19.211 ug/L

RT: 11.832 min Scan# 3263

Delta R.T. 0.000 min

Lab File: VU053618.D

Acq: 10 Apr 2023 16:26

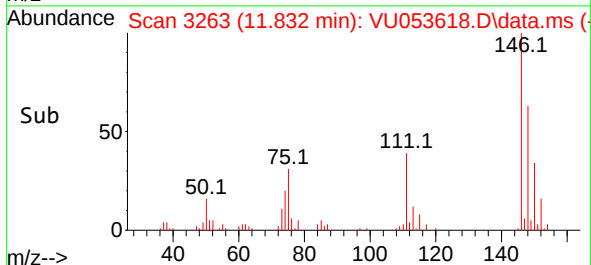
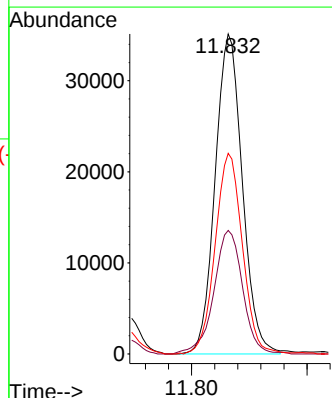
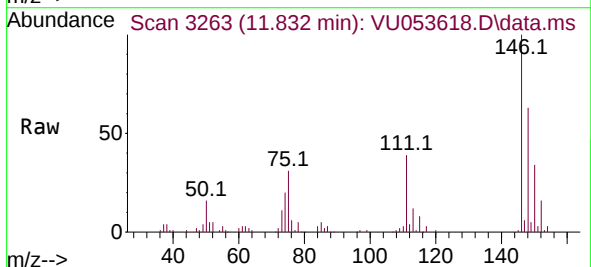
Tgt Ion:146 Resp: 57380

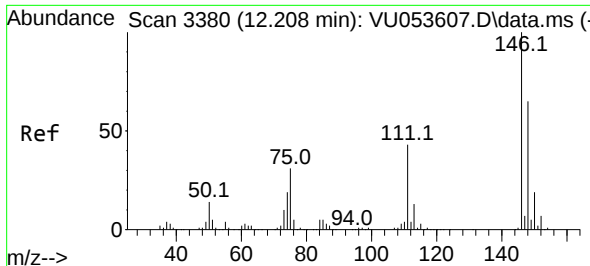
Ion Ratio Lower Upper

146 100

111 38.6 25.1 46.5

148 62.7 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 12.521 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053618.D

Acq: 10 Apr 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

COMD3

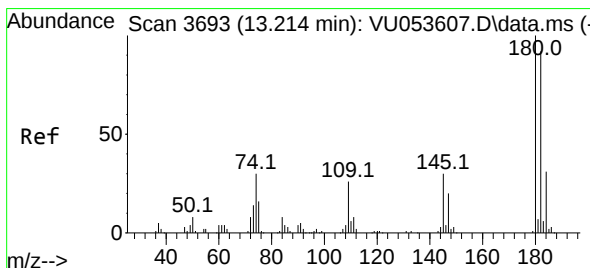
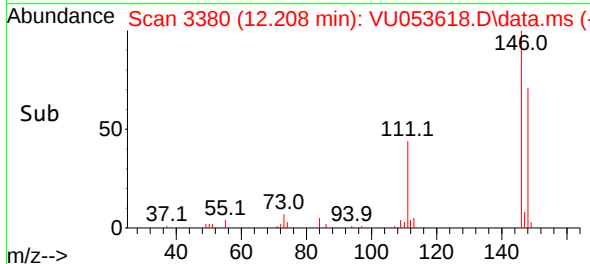
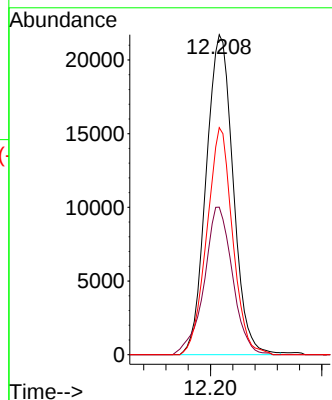
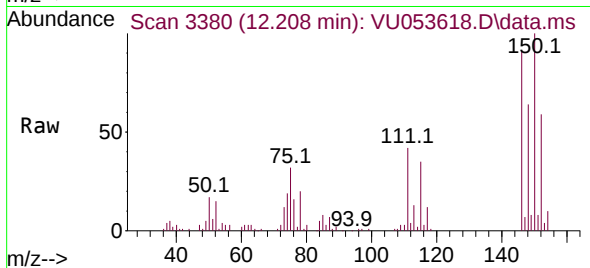
Tgt Ion:146 Resp: 36570

Ion Ratio Lower Upper

146 100

111 46.1 31.5 47.3

148 71.0 51.6 77.4



#69

1,3,5-Trichlorobenzene

Concen: 4.721 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.624 min

Lab File: VU053618.D

Acq: 10 Apr 2023 16:26

Tgt Ion:180 Resp: 10245

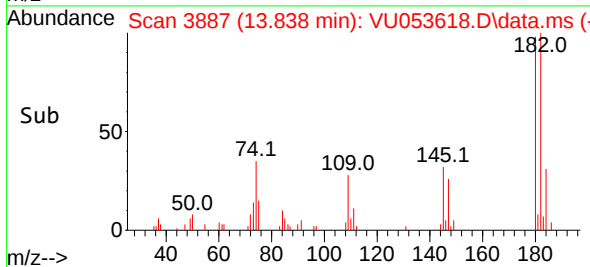
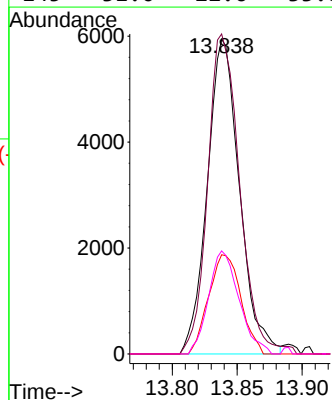
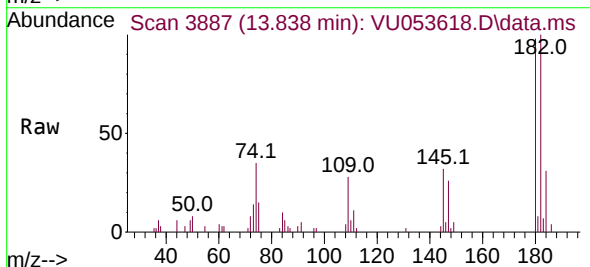
Ion Ratio Lower Upper

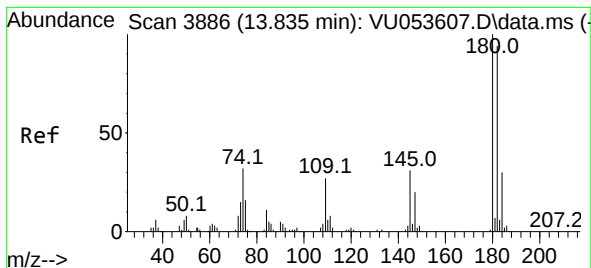
180 100

182 100.1 75.6 113.4

184 31.5 24.2 36.2

145 31.0 22.6 33.8





#70

1,2,4-trichlorobenzene

Concen: 5.092 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053618.D

Acq: 10 Apr 2023 16:26

Instrument :

MSVOA_U

ClientSampleId :

COMD3

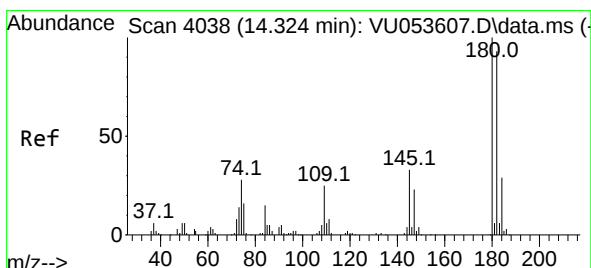
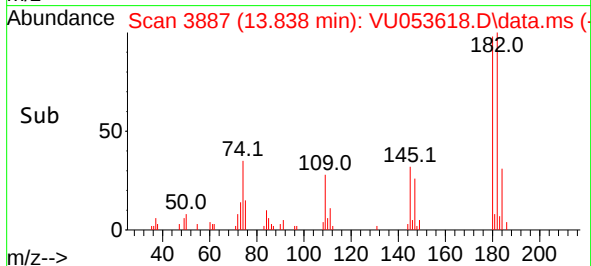
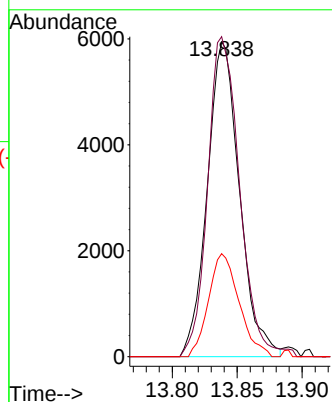
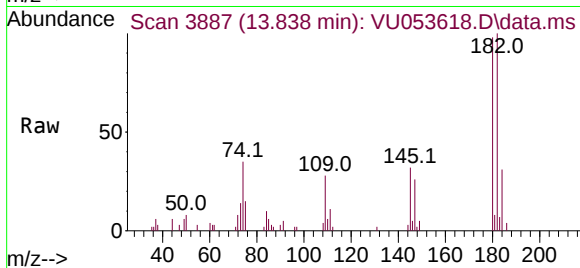
Tgt Ion:180 Resp: 10245

Ion Ratio Lower Upper

180 100

182 100.1 75.8 113.8

145 31.0 23.4 35.2



#72

1,2,3-Trichlorobenzene

Concen: 2.294 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.006 min

Lab File: VU053618.D

Acq: 10 Apr 2023 16:26

Tgt Ion:180 Resp: 4611

Ion Ratio Lower Upper

180 100

182 90.4 77.0 115.6

145 32.2 25.4 38.0

