

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
 Data File : VU053620.D
 Acq On : 10 Apr 2023 18:01
 Operator : JC/MD
 Sample : 02251-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMD5

Quant Time: Apr 11 02:23:43 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)

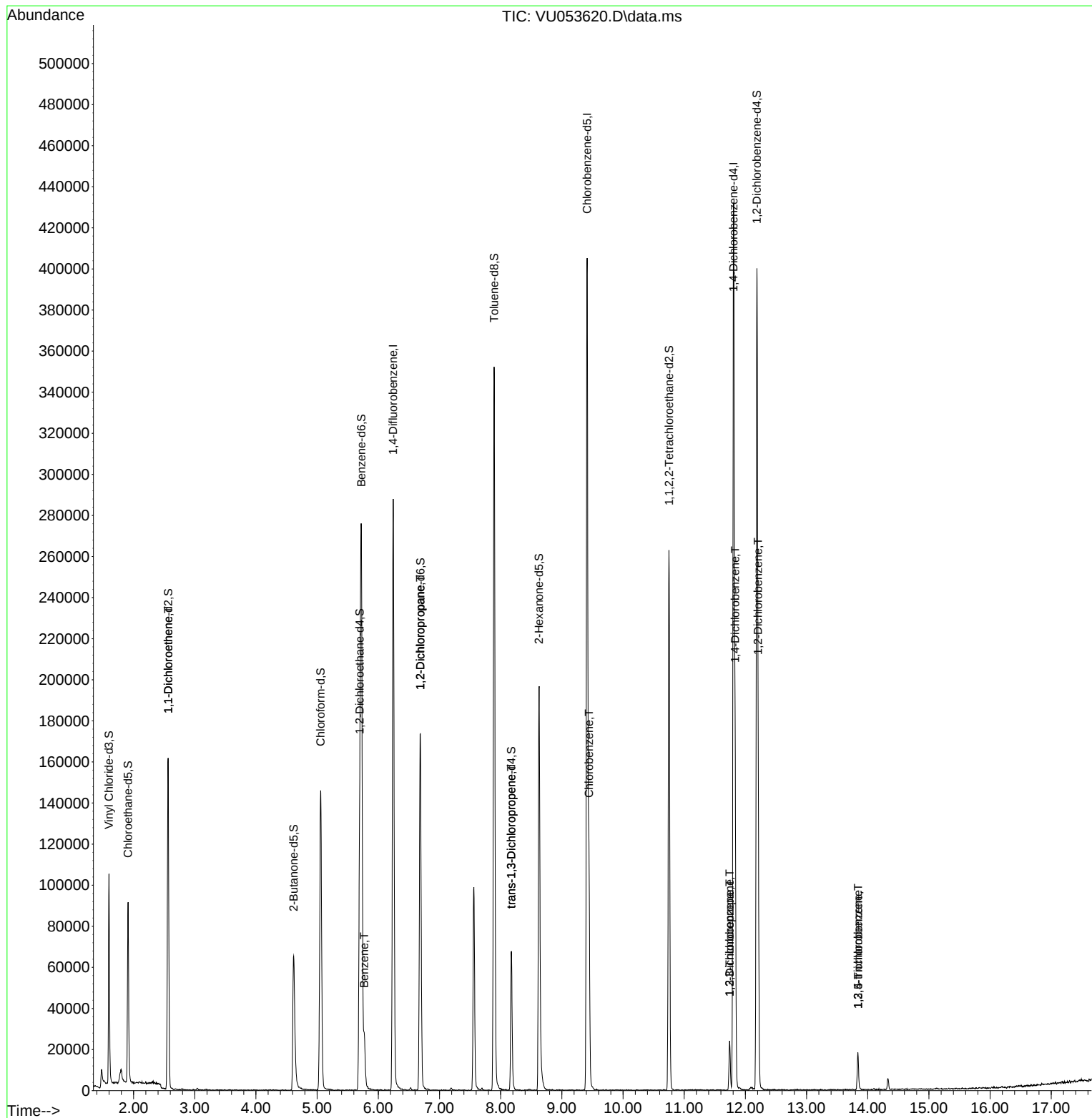
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	248975	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	226886	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	116373	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	74005	38.173	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.340%
7) Chloroethane-d5	1.909	69	65517	43.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.660%
11) 1,1-Dichloroethene-d2	2.565	63	90215	30.062	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.120%
21) 2-Butanone-d5	4.617	46	93782	106.844	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.840%
24) Chloroform-d	5.057	84	134495	41.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.900%
26) 1,2-Dichloroethane-d4	5.697	65	86224	45.511	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.020%
32) Benzene-d6	5.723	84	270869	44.229	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.460%
36) 1,2-Dichloropropane-d6	6.687	67	86548	46.235	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.480%
41) Toluene-d8	7.893	98	250565	41.164	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.320%
43) trans-1,3-Dichloroprop...	8.173	79	41317	42.759	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.520%
47) 2-Hexanone-d5	8.626	63	70782	110.794	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.790%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	127258	48.234	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.460%
66) 1,2-Dichlorobenzene-d4	12.189	152	100938	41.553	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.100%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.565	96	946	0.619	ug/L #	1
33) Benzene	5.771	78	23236	3.931	ug/L	100
37) 1,2-Dichloropropane	6.684	63	9273	6.178	ug/L #	86
44) trans-1,3-Dichloropropene	8.173	75	1918	0.827	ug/L #	71
51) Chlorobenzene	9.443	112	60684	13.147	ug/L	94
60) 1,2,3-Trichloropropane	11.742	75	3005	1.781	ug/L #	40
64) 1,3-Dichlorobenzene	11.742	146	10665	2.967	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	63753	17.399	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	49326	13.766	ug/L	98
69) 1,3,5-Trichlorobenzene	13.841	180	6139	2.306	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	6139	2.487	ug/L	99

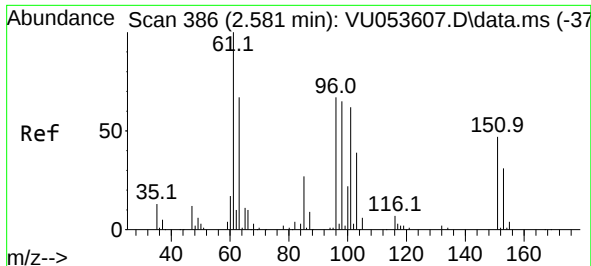
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.619 ug/L

RT: 2.565 min Scan# 381

Delta R.T. -0.016 min

Lab File: VU053620.D

Acq: 10 Apr 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

COMD5

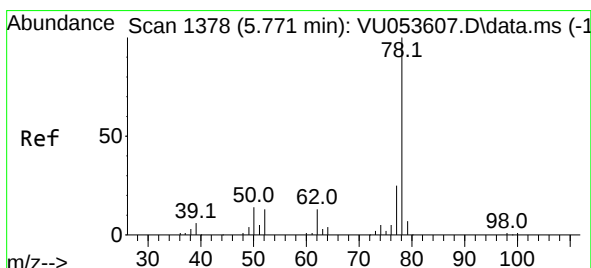
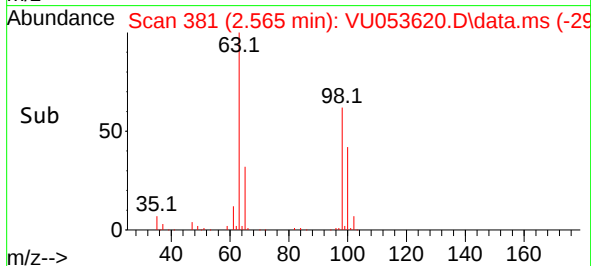
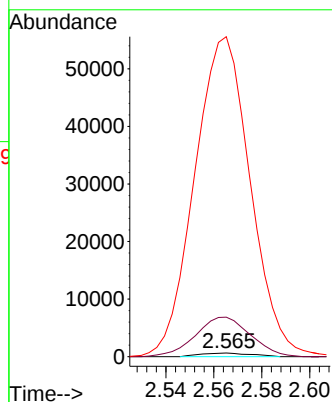
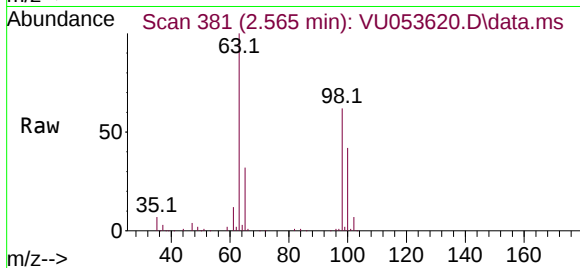
Tgt Ion: 96 Resp: 946

Ion Ratio Lower Upper

96 100

61 1072.2 107.9 200.5#

63 8671.5 79.1 146.9#



#33

Benzene

Concen: 3.931 ug/L

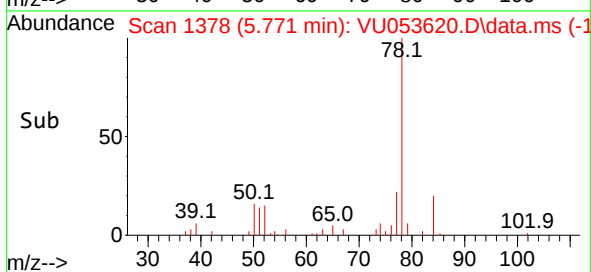
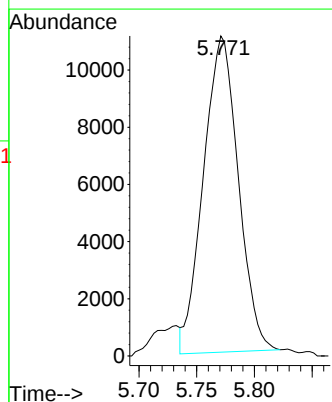
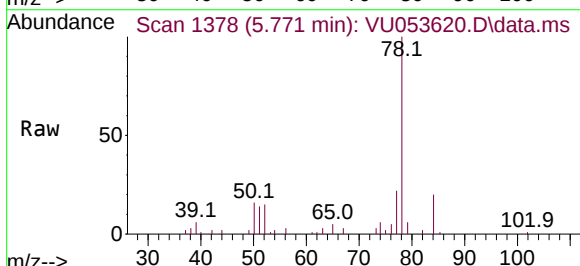
RT: 5.771 min Scan# 1378

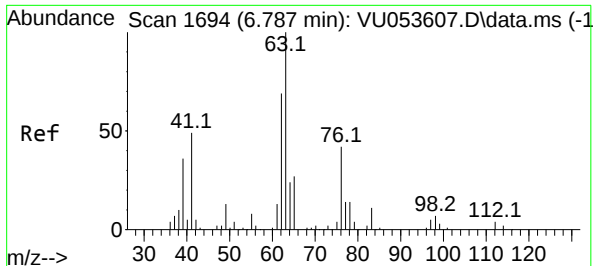
Delta R.T. 0.000 min

Lab File: VU053620.D

Acq: 10 Apr 2023 18:01

Tgt Ion: 78 Resp: 23236





#37

1,2-Dichloropropane

Concen: 6.178 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU053620.D

Acq: 10 Apr 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

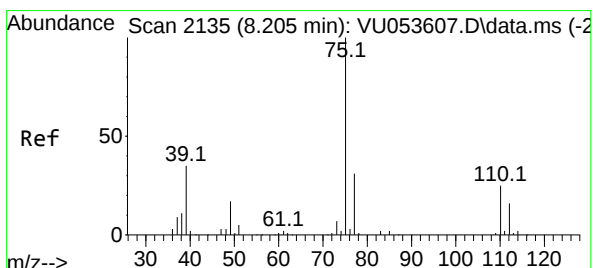
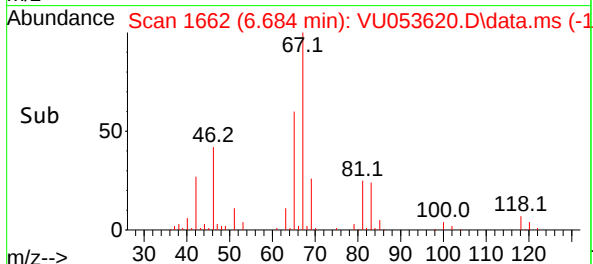
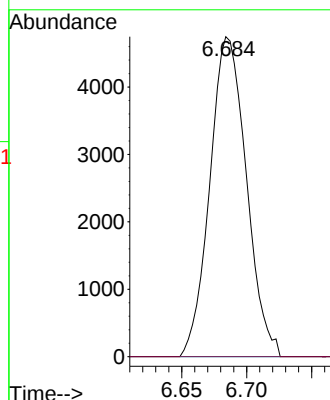
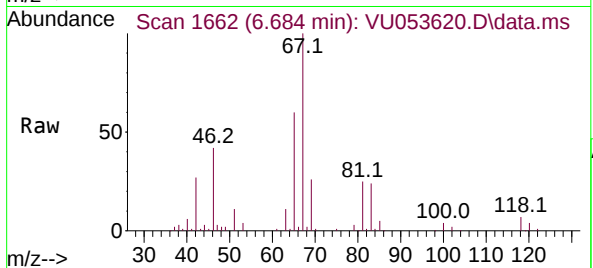
COMD5

Tgt Ion: 63 Resp: 9273

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#44

trans-1,3-Dichloropropene

Concen: 0.827 ug/L

RT: 8.173 min Scan# 2125

Delta R.T. -0.032 min

Lab File: VU053620.D

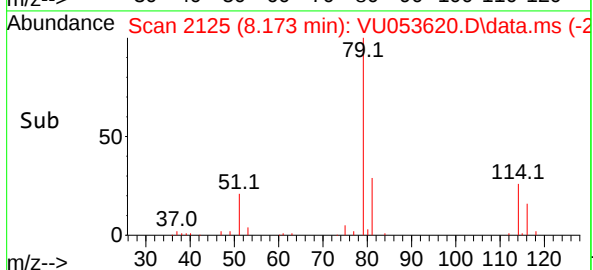
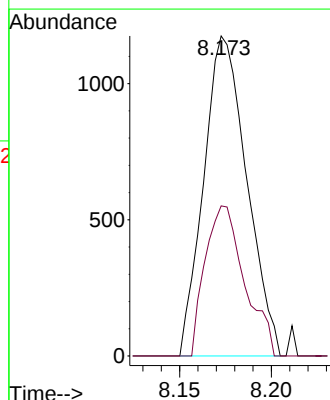
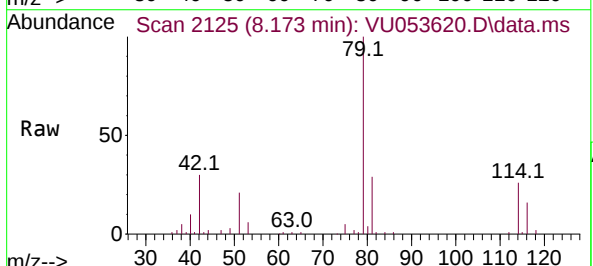
Acq: 10 Apr 2023 18:01

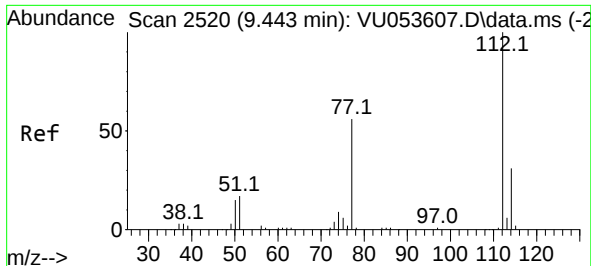
Tgt Ion: 75 Resp: 1918

Ion Ratio Lower Upper

75 100

77 46.9 21.8 40.4#

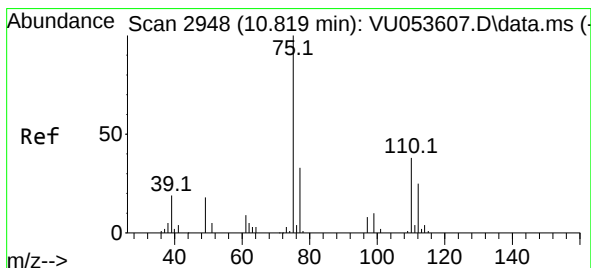
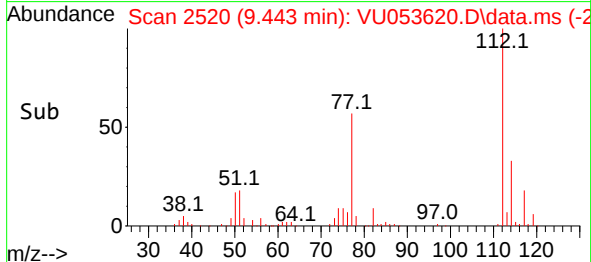
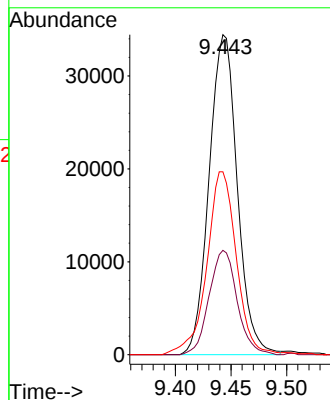
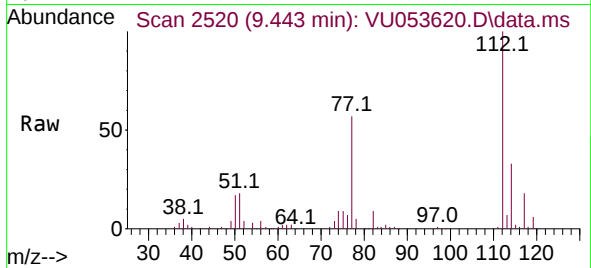




#51
Chlorobenzene
Concen: 13.147 ug/L
RT: 9.443 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053620.D
Acq: 10 Apr 2023 18:01

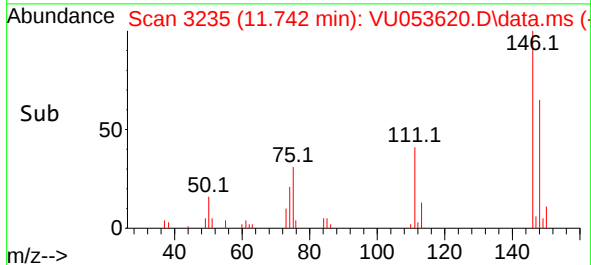
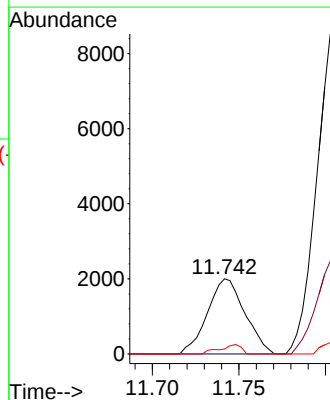
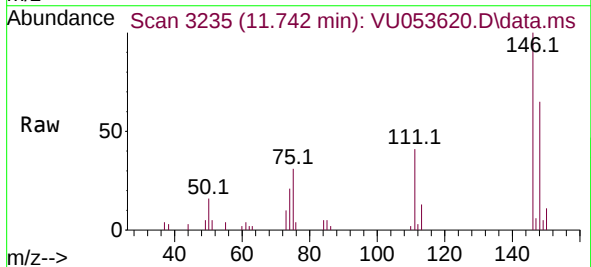
Instrument :
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ClientSampleId :
COMD5

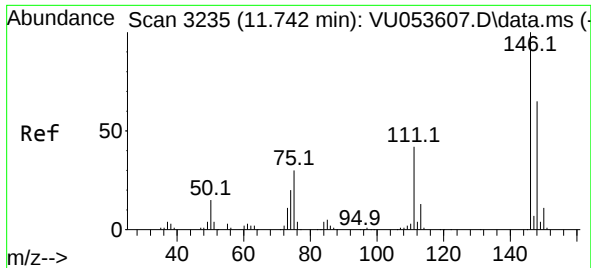
Tgt Ion:112 Resp: 60684
Ion Ratio Lower Upper
112 100
114 32.6 22.2 41.2
77 57.2 41.3 61.9



#60
1,2,3-Trichloropropane
Concen: 1.781 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.923 min
Lab File: VU053620.D
Acq: 10 Apr 2023 18:01

Tgt Ion: 75 Resp: 3005
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 2.1 32.6 48.8#

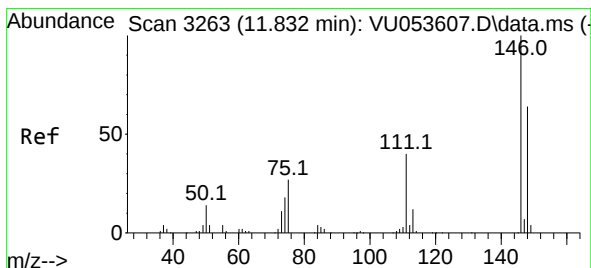
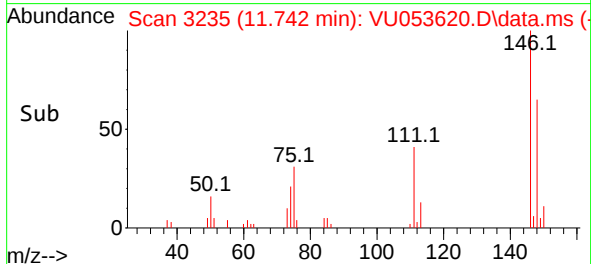
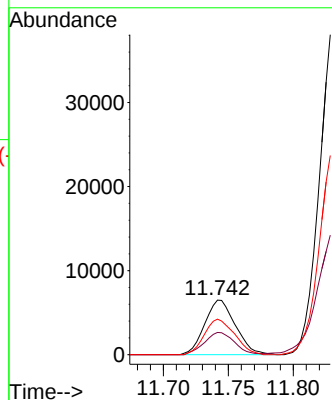
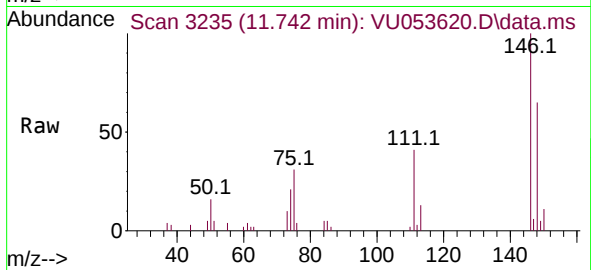




#64
1,3-Dichlorobenzene
Concen: 2.967 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053620.D
Acq: 10 Apr 2023 18:01

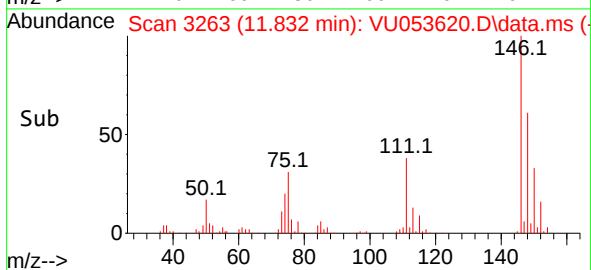
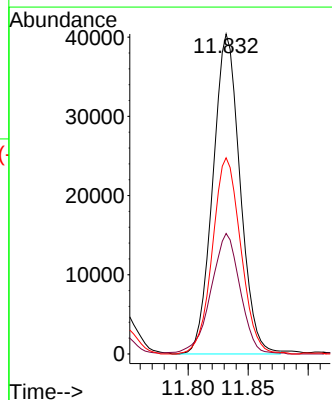
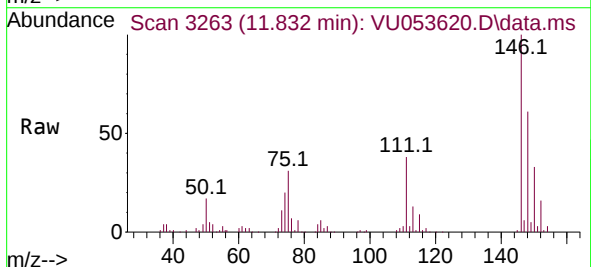
Instrument :
MSVOA_U
ClientSampleId :
COMD5

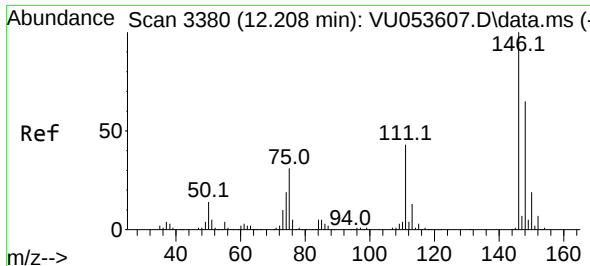
Tgt Ion:146 Resp: 10665
Ion Ratio Lower Upper
146 100
111 40.9 25.7 47.7
148 65.2 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 17.399 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053620.D
Acq: 10 Apr 2023 18:01

Tgt Ion:146 Resp: 63753
Ion Ratio Lower Upper
146 100
111 37.6 25.1 46.5
148 61.3 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 13.766 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053620.D

Acq: 10 Apr 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

COMD5

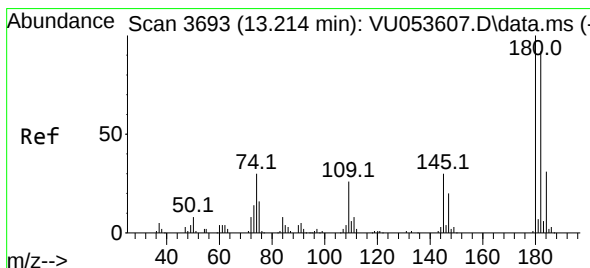
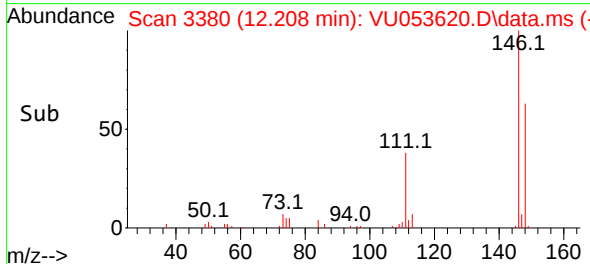
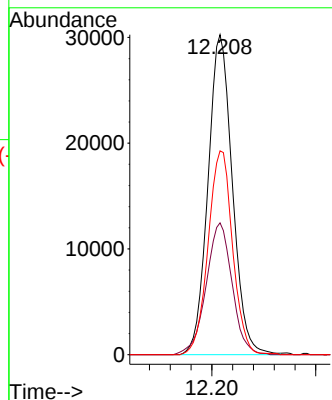
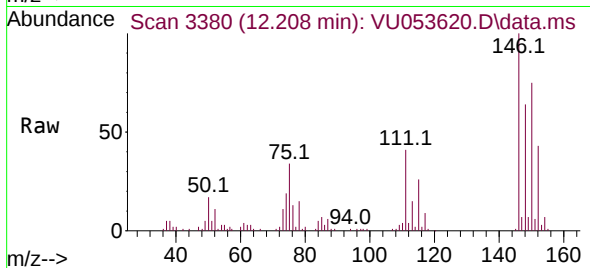
Tgt Ion:146 Resp: 49326

Ion Ratio Lower Upper

146 100

111 41.2 31.5 47.3

148 63.7 51.6 77.4



#69

1,3,5-Trichlorobenzene

Concen: 2.306 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.627 min

Lab File: VU053620.D

Acq: 10 Apr 2023 18:01

Tgt Ion:180 Resp: 6139

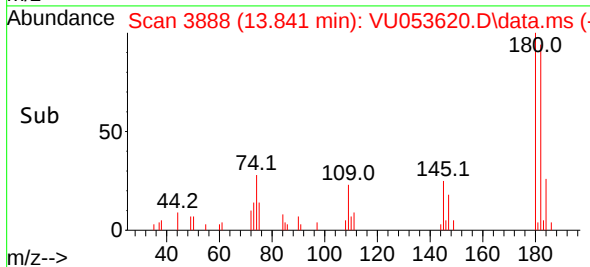
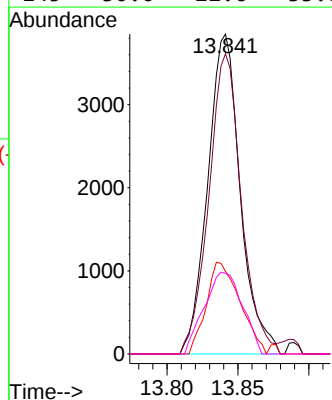
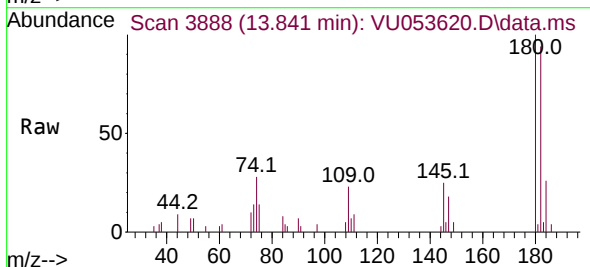
Ion Ratio Lower Upper

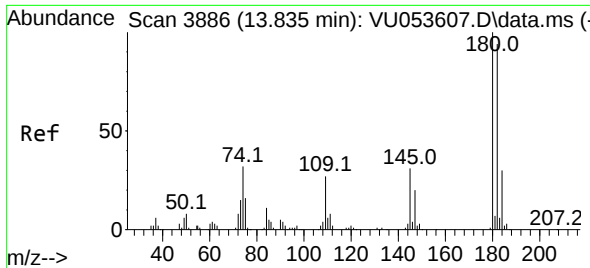
180 100

182 93.7 75.6 113.4

184 29.7 24.2 36.2

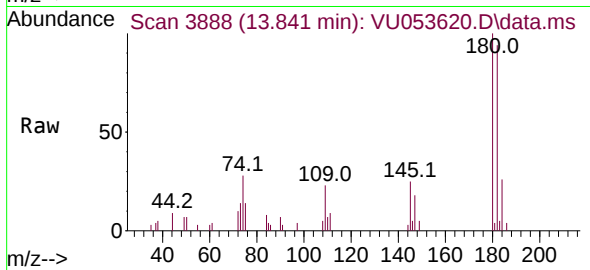
145 30.0 22.6 33.8





#70
 1,2,4-trichlorobenzene
 Concen: 2.487 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.006 min
 Lab File: VU053620.D
 Acq: 10 Apr 2023 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 C0MD5



Tgt Ion:	180	Resp:	6139
Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.8	113.8
145	30.0	23.4	35.2

