

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
 Data File : VU053616.D
 Acq On : 10 Apr 2023 15:39
 Operator : JC/MD
 Sample : 02251-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMD1

Quant Time: Apr 11 02:22:42 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

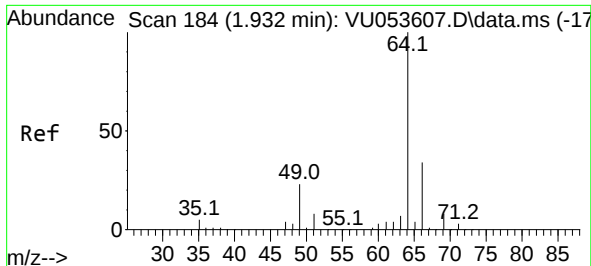
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	258680	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	239747	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	118075	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	85072	42.235	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.480%		
7) Chloroethane-d5	1.909	69	73579	47.378	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.760%		
11) 1,1-Dichloroethene-d2	2.565	63	99847	32.023	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.040%		
21) 2-Butanone-d5	4.613	46	103131	113.087	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	113.090%		
24) Chloroform-d	5.057	84	144460	43.366	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.740%		
26) 1,2-Dichloroethane-d4	5.697	65	96019	48.780	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.560%		
32) Benzene-d6	5.723	84	299455	46.273	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.540%		
36) 1,2-Dichloropropane-d6	6.684	67	95782	48.423	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.840%		
41) Toluene-d8	7.893	98	276308	42.958	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.920%		
43) trans-1,3-Dichloroprop...	8.176	79	45042	44.114	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.220%		
47) 2-Hexanone-d5	8.626	63	76789	113.749	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	113.750%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	138680	49.743	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.480%		
66) 1,2-Dichlorobenzene-d4	12.189	152	108225	43.911	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.820%		
Target Compounds						Qvalue
8) Chloroethane	1.932	64	1187	0.987	ug/L #	51
12) 1,1-Dichloroethene	2.562	96	1004	0.633	ug/L #	1
33) Benzene	5.771	78	251888	40.325	ug/L	100
37) 1,2-Dichloropropane	6.684	63	9854	6.213	ug/L #	86
39) cis-1,3-Dichloropropene	7.562	75	3035	1.171	ug/L #	74
44) trans-1,3-Dichloropropene	8.173	75	2037	0.831	ug/L	97
51) Chlorobenzene	9.443	112	371206	76.109	ug/L	95
60) 1,2,3-Trichloropropane	11.742	75	5482	3.202	ug/L #	43
64) 1,3-Dichlorobenzene	11.742	146	18417	5.049	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	195935	52.703	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	123888	34.077	ug/L	97
69) 1,3,5-Trichlorobenzene	13.838	180	13137	4.863	ug/L	94
70) 1,2,4-trichlorobenzene	13.838	180	13137	5.246	ug/L	93

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

Quant Time: Apr 11 02:22:42 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: 0.987 ug/L

RT: 1.932 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU053616.D

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Instrument :

MSVOA_U

ClientSampleId :

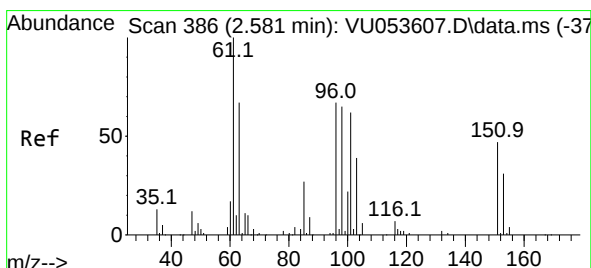
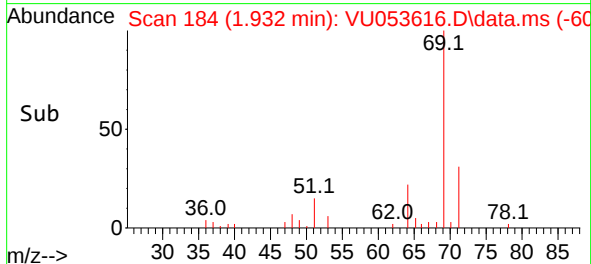
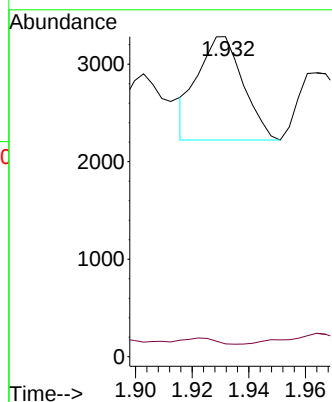
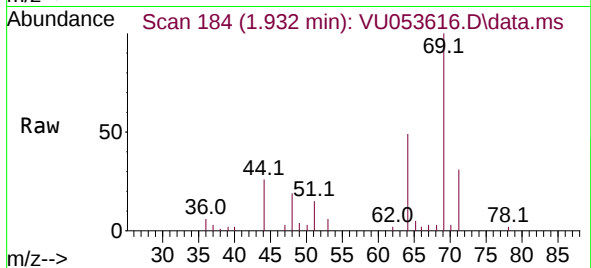
COMD1

Tgt Ion: 64 Resp: 1187

Ion Ratio Lower Upper

64 100

66 4.0 21.8 40.6#



#12

1,1-Dichloroethene

Concen: 0.633 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.019 min

Lab File: VU053616.D

Acq: 10 Apr 2023 15:39

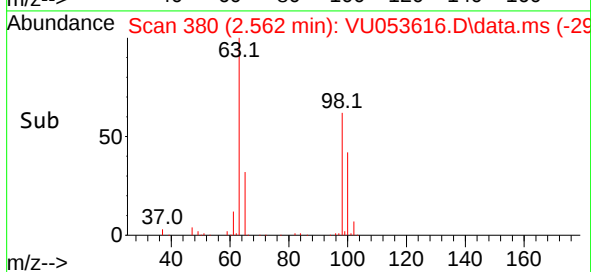
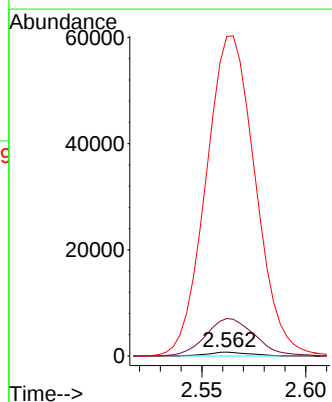
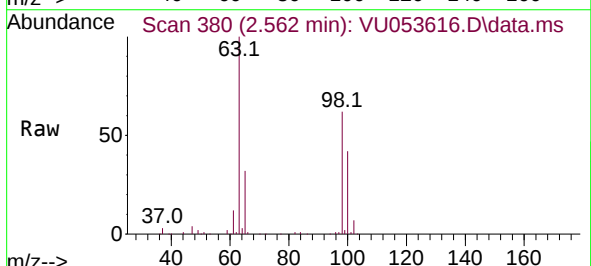
Tgt Ion: 96 Resp: 1004

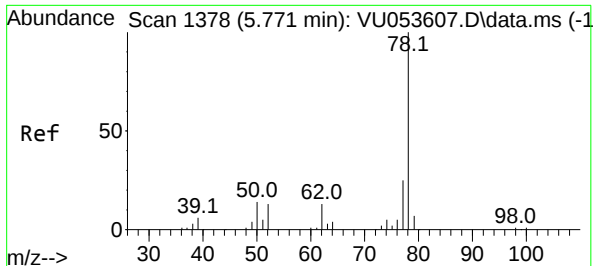
Ion Ratio Lower Upper

96 100

61 956.7 107.9 200.5#

63 8148.3 79.1 146.9#

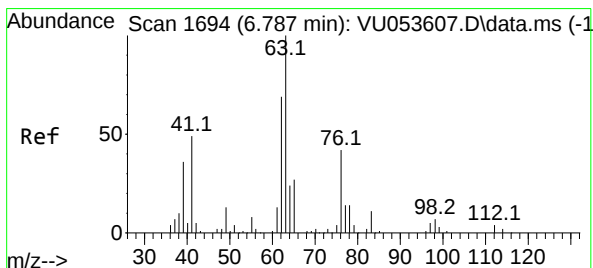
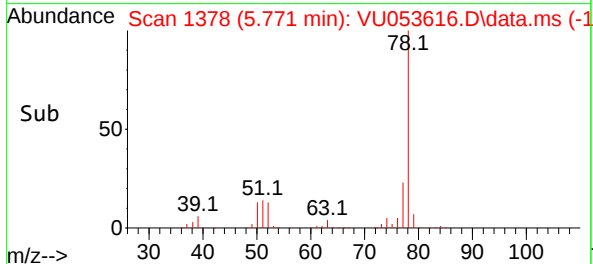
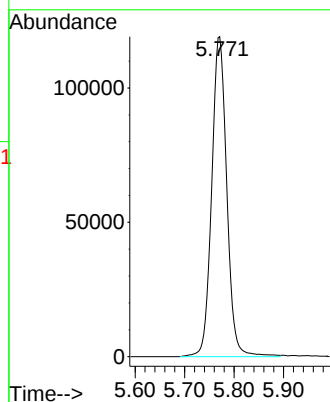
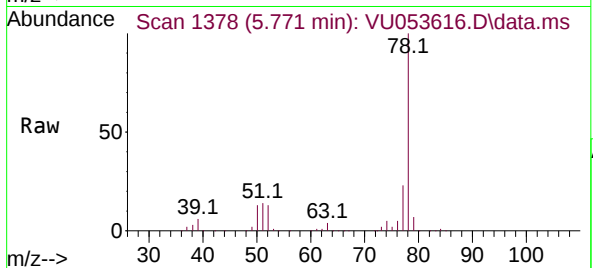




#33
Benzene
Concen: 40.325 ug/L
RT: 5.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053616.D
Acq: 10 Apr 2023 15:39

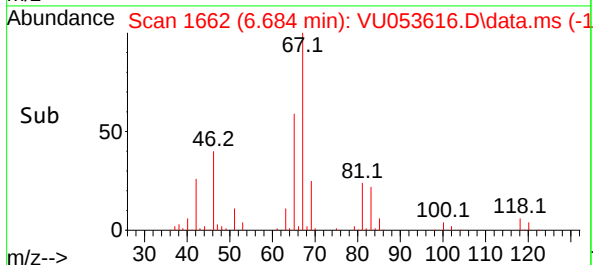
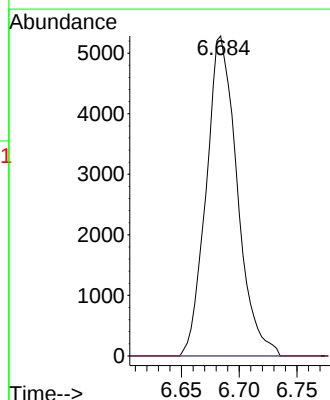
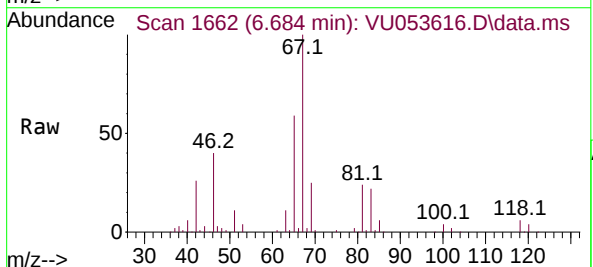
Instrument :
MSVOA_U
ClientSampleId :
COMD1

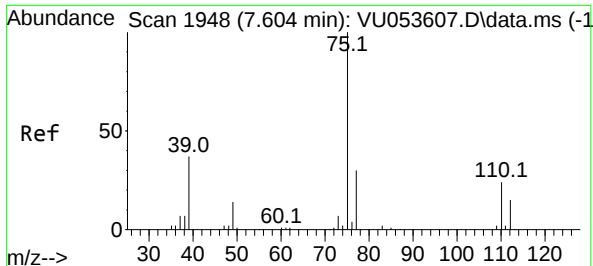
Tgt Ion: 78 Resp: 251888



#37
1,2-Dichloropropane
Concen: 6.213 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.103 min
Lab File: VU053616.D
Acq: 10 Apr 2023 15:39

Tgt Ion: 63 Resp: 9854
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.171 ug/L

RT: 7.562 min Scan# 1948

Delta R.T. -0.042 min

Lab File: VU053616.D

Acq: 10 Apr 2023 15:39

Instrument :

MSVOA_U

ClientSampleId :

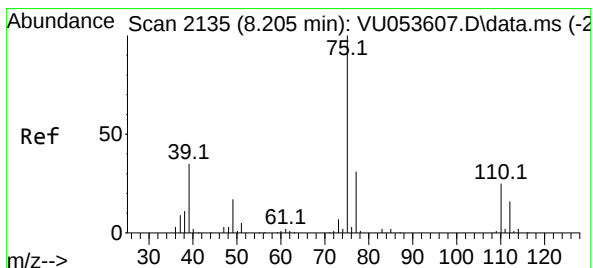
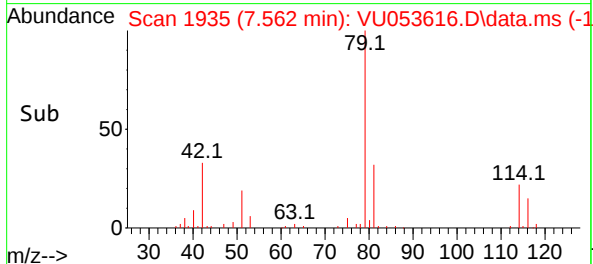
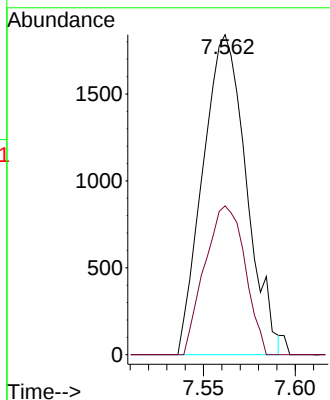
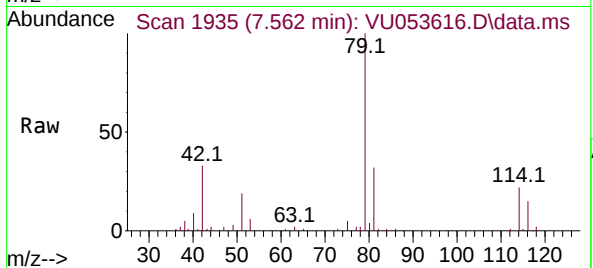
COMD1

Tgt Ion: 75 Resp: 3035

Ion Ratio Lower Upper

75 100

77 46.5 22.5 41.7#



#44

trans-1,3-Dichloropropene

Concen: 0.831 ug/L

RT: 8.173 min Scan# 2125

Delta R.T. -0.032 min

Lab File: VU053616.D

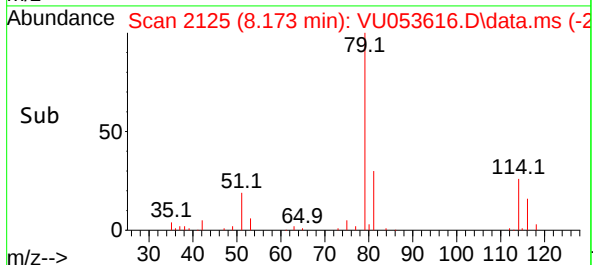
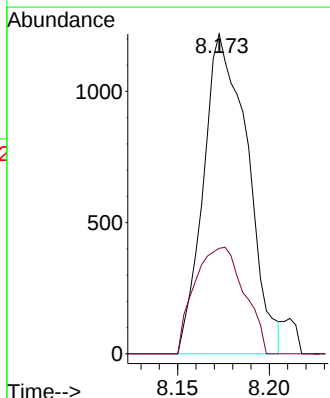
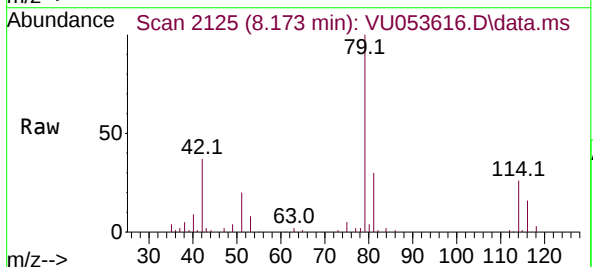
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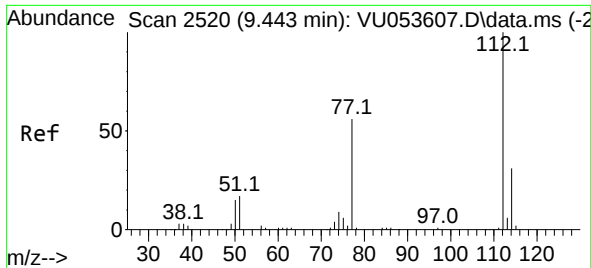
Tgt Ion: 75 Resp: 2037

Ion Ratio Lower Upper

75 100

77 33.0 21.8 40.4

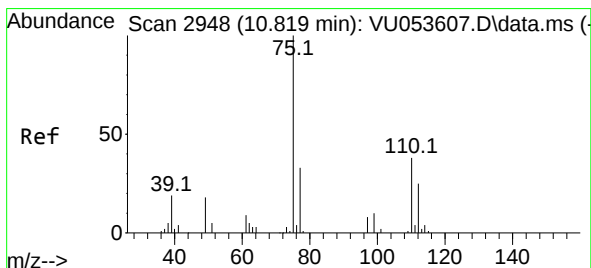
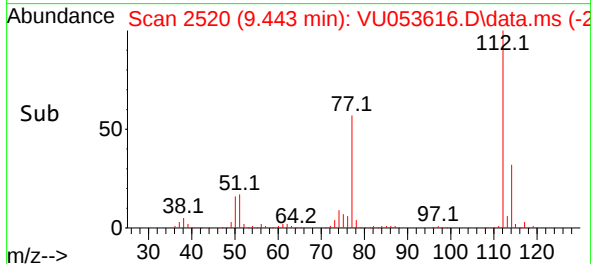
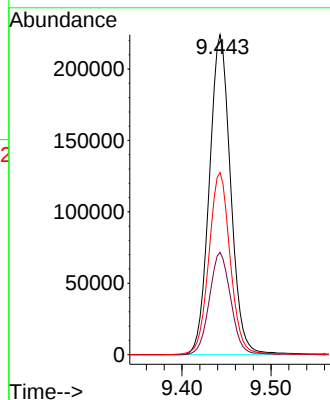
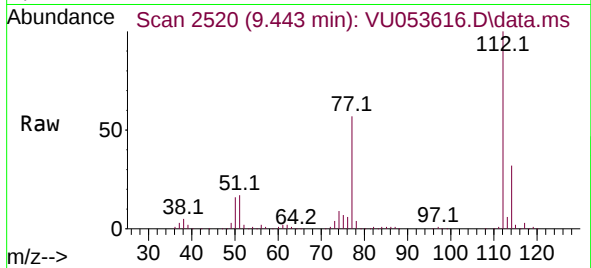




#51
Chlorobenzene
Concen: 76.109 ug/L
RT: 9.443 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053616.D
Acq: 10 Apr 2023 15:39

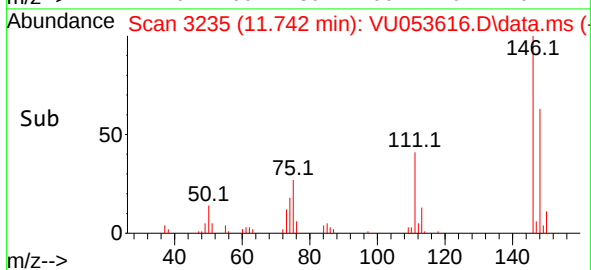
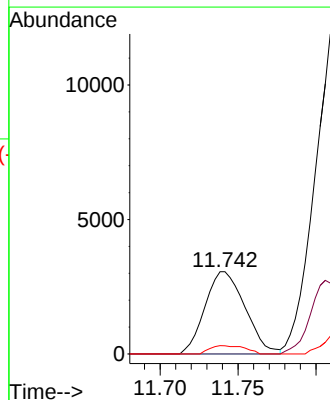
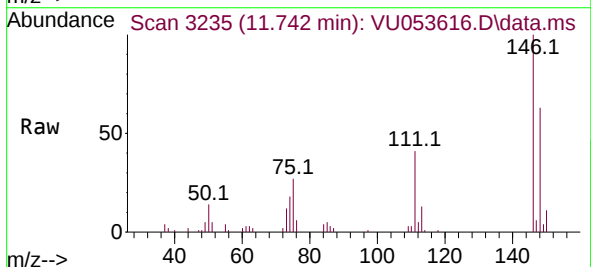
Instrument :
MSVOA_U
ClientSampleId :
COMD1

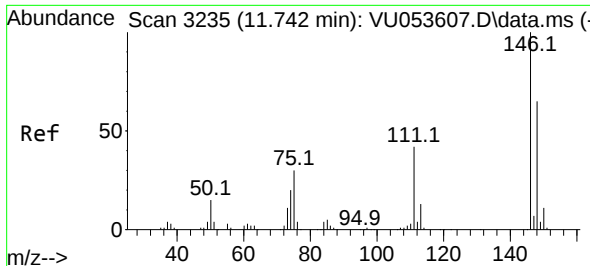
Tgt Ion:112 Resp: 371206
Ion Ratio Lower Upper
112 100
114 32.0 22.2 41.2
77 56.9 41.3 61.9



#60
1,2,3-Trichloropropane
Concen: 3.202 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.923 min
Lab File: VU053616.D
Acq: 10 Apr 2023 15:39

Tgt Ion: 75 Resp: 5482
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 5.2 32.6 48.8#

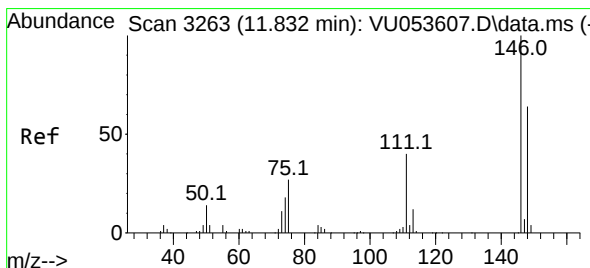
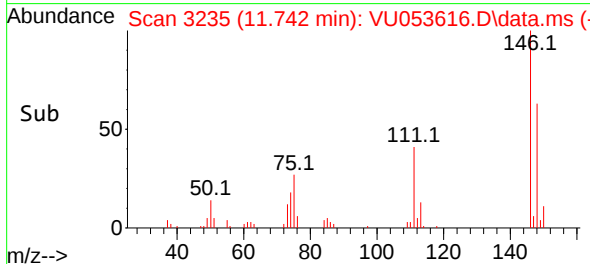
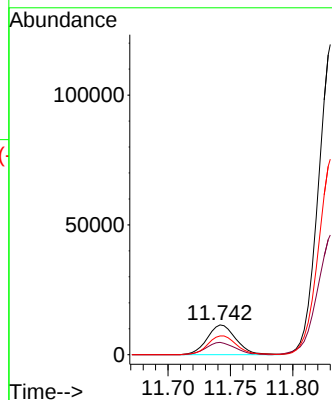
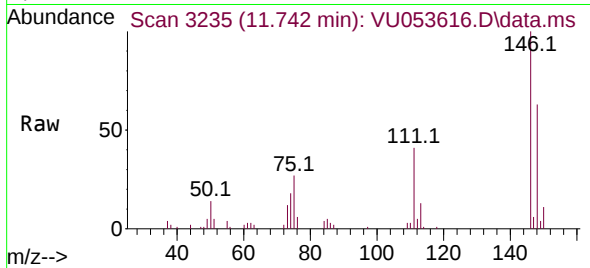




#64
1,3-Dichlorobenzene
Concen: 5.049 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053616.D
Acq: 10 Apr 2023 15:39

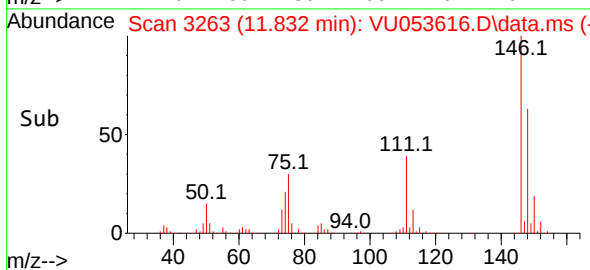
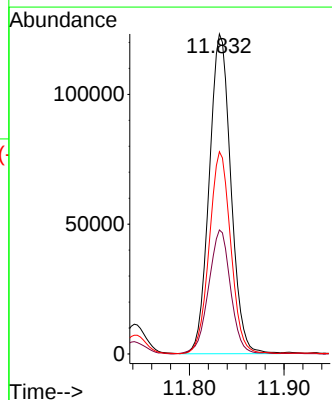
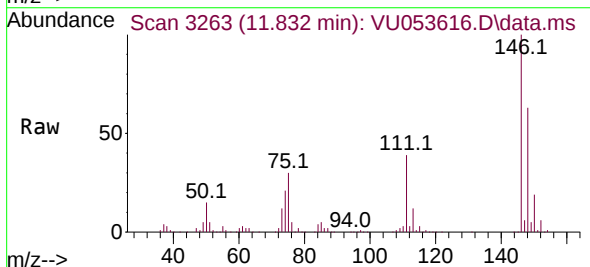
Instrument :
MSVOA_U
ClientSampleId :
COMD1

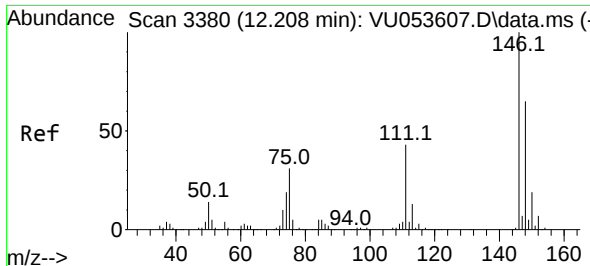
Tgt Ion:146 Resp: 18417
Ion Ratio Lower Upper
146 100
111 41.4 25.7 47.7
148 63.0 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 52.703 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053616.D
Acq: 10 Apr 2023 15:39

Tgt Ion:146 Resp: 195935
Ion Ratio Lower Upper
146 100
111 38.8 25.1 46.5
148 63.2 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 34.077 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053616.D

Acq: 10 Apr 2023 15:39

Instrument :

MSVOA_U

ClientSampleId :

COMD1

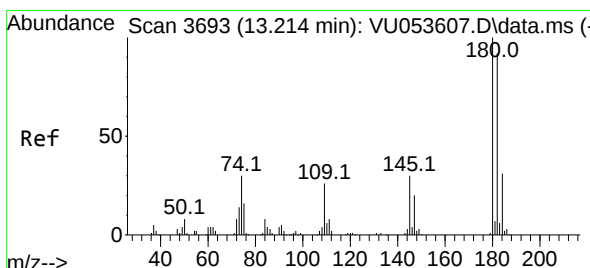
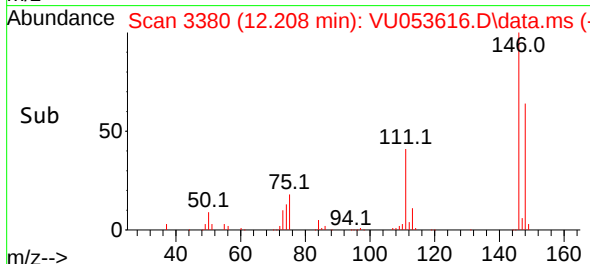
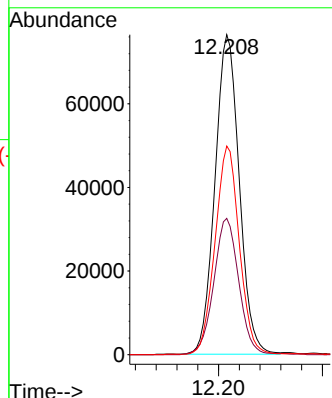
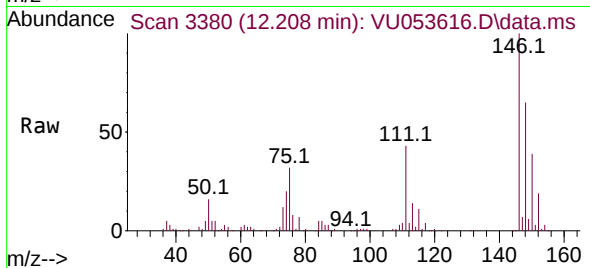
Tgt Ion:146 Resp: 123888

Ion Ratio Lower Upper

146 100

111 42.6 31.5 47.3

148 65.2 51.6 77.4



#69

1,3,5-Trichlorobenzene

Concen: 4.863 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.624 min

Lab File: VU053616.D

Acq: 10 Apr 2023 15:39

Tgt Ion:180 Resp: 13137

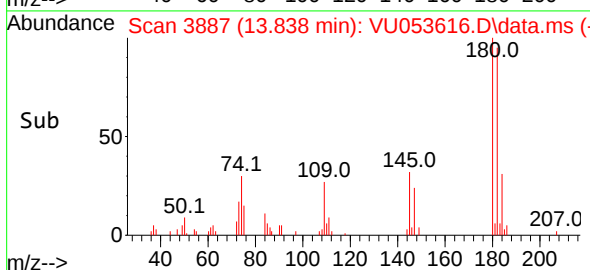
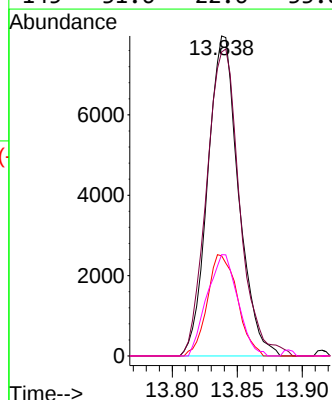
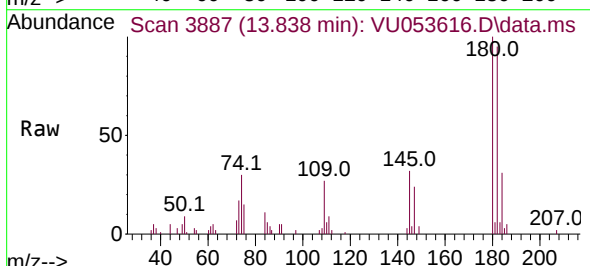
Ion Ratio Lower Upper

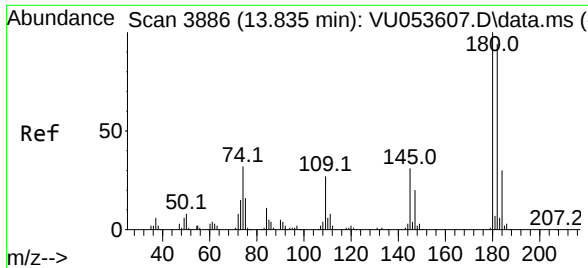
180 100

182 102.4 75.6 113.4

184 30.8 24.2 36.2

145 31.6 22.6 33.8





#70

1,2,4-trichlorobenzene

Concen: 5.246 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053616.D

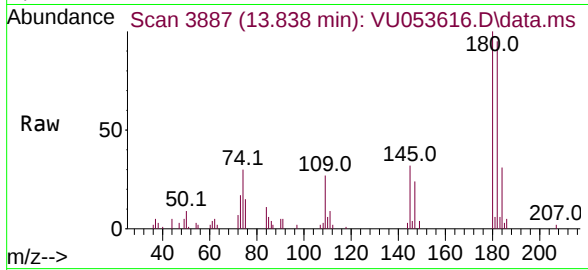
Acq: 10 Apr 2023 15:39

Instrument :

MSVOA_U

ClientSampleId :

COMD1



Tgt Ion:180 Resp: 13137

Ion Ratio Lower Upper

180 100

182 102.4 75.8 113.8

145 31.6 23.4 35.2

