

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
 Data File : VU052916.D
 Acq On : 01 Feb 2023 19:26
 Operator : JC/MD
 Sample : 01381-13 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44N2

Quant Time: Feb 01 20:08:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 20:03:09 2023
 Response via : Initial Calibration

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

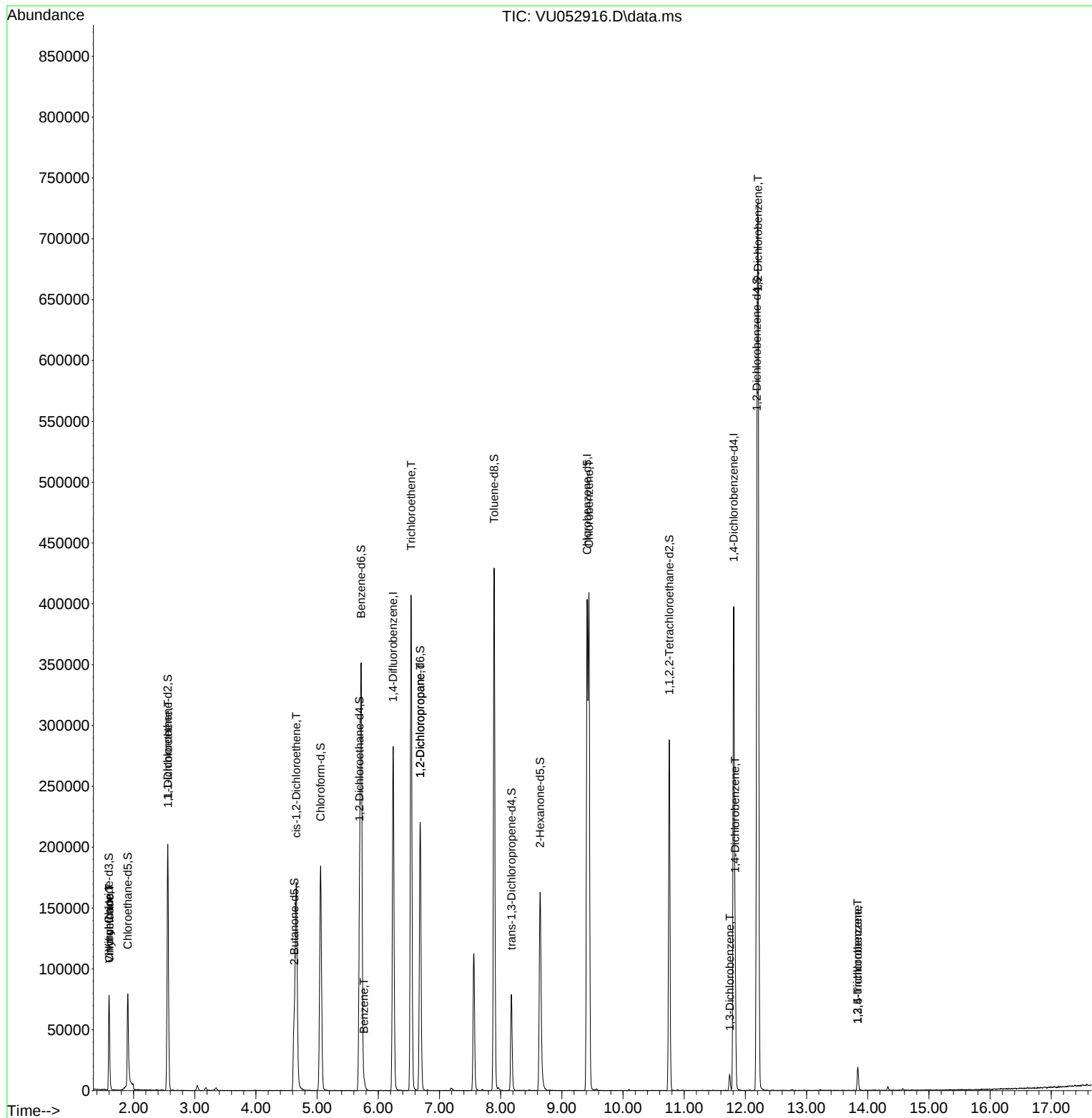
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	232147	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	225335	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	107081	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	55590	33.270	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.540%
7) Chloroethane-d5	1.906	69	62116	45.117	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.240%
11) 1,1-Dichloroethene-d2	2.559	63	117866	35.466	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.940%
21) 2-Butanone-d5	4.626	46	88303	85.549	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.550%
24) Chloroform-d	5.057	84	173733	48.720	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.440%
26) 1,2-Dichloroethane-d4	5.694	65	114543	50.306	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.620%
32) Benzene-d6	5.719	84	333165	48.394	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.780%
36) 1,2-Dichloropropane-d6	6.684	67	99812	49.434	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.860%
41) Toluene-d8	7.893	98	284205	45.336	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.680%
43) trans-1,3-Dichloroprop...	8.176	79	46223	45.676	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.360%
47) 2-Hexanone-d5	8.645	63	61697	86.965	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.970%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	136842	45.872	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.740%
66) 1,2-Dichlorobenzene-d4	12.189	152	114211	54.930	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.860%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	8736	4.405	ug/L	88
8) Chloroethane	1.604	64	3593	2.884	ug/L	89
12) 1,1-Dichloroethene	2.562	96	1512	0.880	ug/L #	1
20) cis-1,2-Dichloroethene	4.658	96	86316	43.561	ug/L	97
33) Benzene	5.768	78	7145	0.931	ug/L	100
34) Trichloroethene	6.536	95	132360	67.891	ug/L	97
37) 1,2-Dichloropropane	6.684	63	11567	6.134	ug/L #	85
51) Chlorobenzene	9.443	112	220624	40.792	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	5967	1.710	ug/L	91
65) 1,4-Dichlorobenzene	11.832	146	46040	12.746	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	255817	72.485	ug/L	99
69) 1,3,5-Trichlorobenzene	13.835	180	6531	2.528	ug/L	94
70) 1,2,4-trichlorobenzene	13.835	180	6531	3.016	ug/L	95

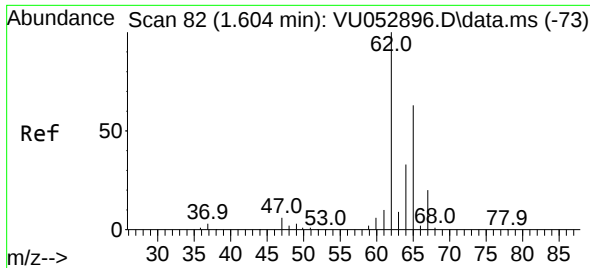
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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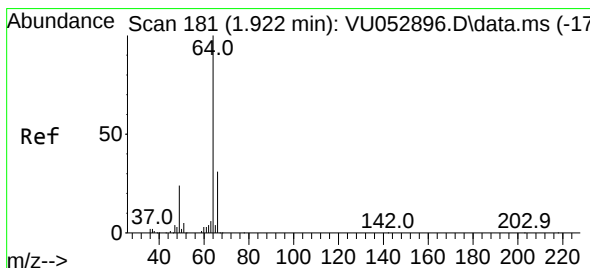
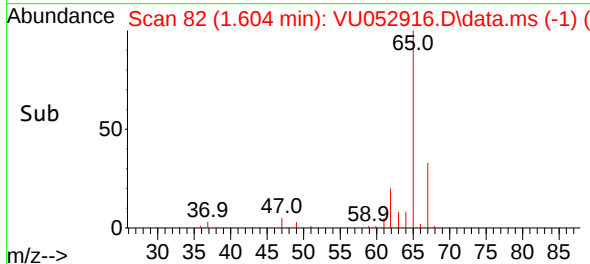
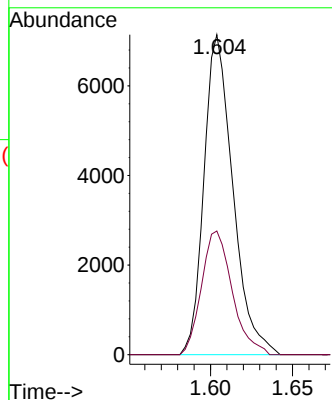
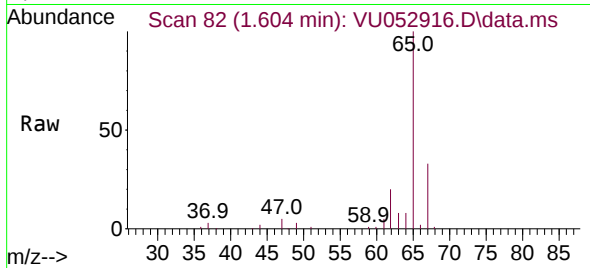




#5
 Vinyl chloride
 Concen: 4.405 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU052916.D
 Acq: 01 Feb 2023 19:26

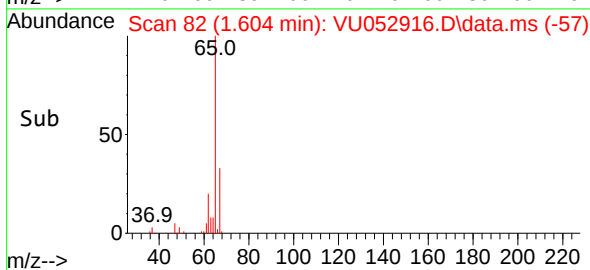
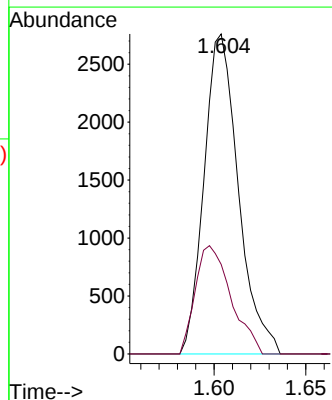
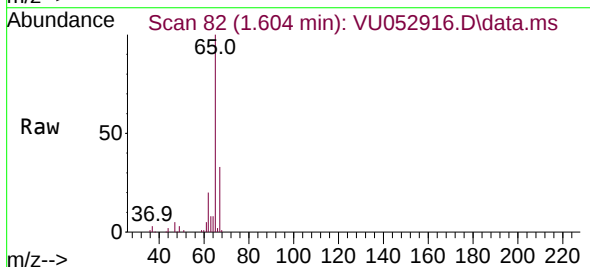
Instrument :
 MSVOA_U
 ClientSampleId :
 A44N2

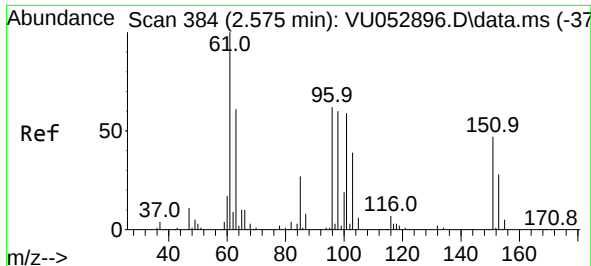
Tgt Ion: 62 Resp: 8736
 Ion Ratio Lower Upper
 62 100
 64 38.7 22.4 41.6



#8
 Chloroethane
 Concen: 2.884 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.318 min
 Lab File: VU052916.D
 Acq: 01 Feb 2023 19:26

Tgt Ion: 64 Resp: 3593
 Ion Ratio Lower Upper
 64 100
 66 28.0 24.1 44.7





#12

1,1-Dichloroethene

Concen: 0.880 ug/L

RT: 2.562 min Scan# 384

Delta R.T. -0.013 min

Lab File: VU052916.D

Acq: 01 Feb 2023 19:26

Instrument :

MSVOA_U

ClientSampleId :

A44N2

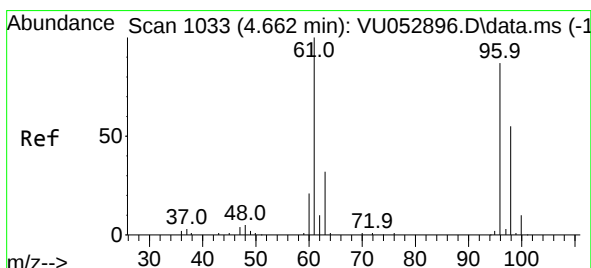
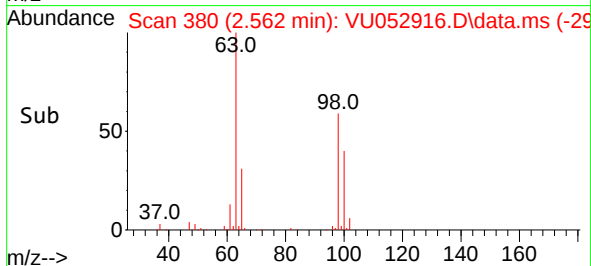
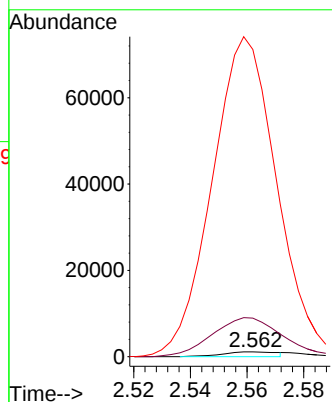
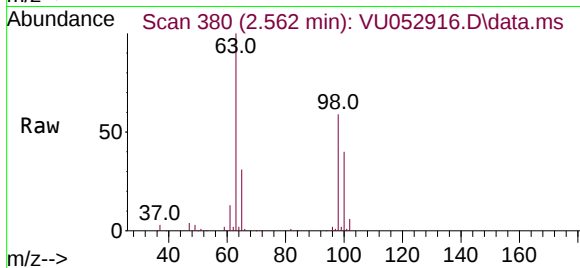
Tgt Ion: 96 Resp: 1512

Ion Ratio Lower Upper

96 100

61 789.8 114.3 212.3#

63 6295.3 80.6 149.6#



#20

cis-1,2-Dichloroethene

Concen: 43.561 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU052916.D

Acq: 01 Feb 2023 19:26

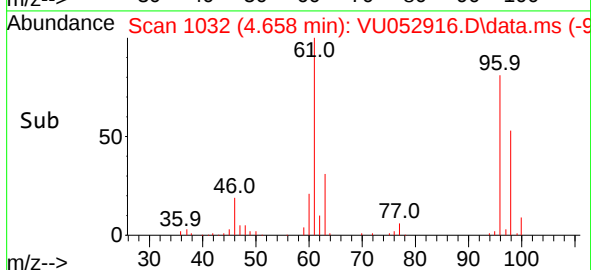
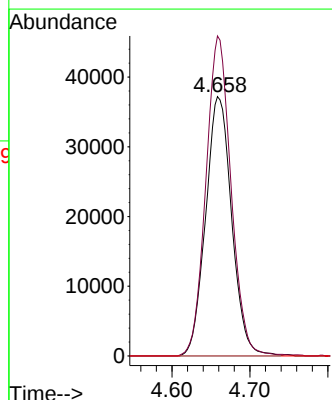
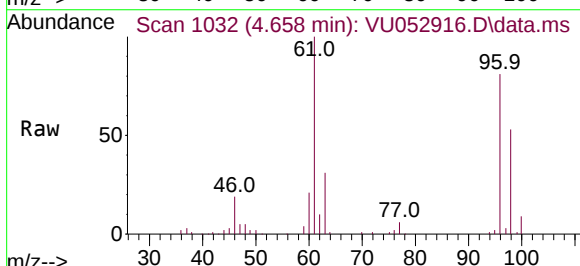
Tgt Ion: 96 Resp: 86316

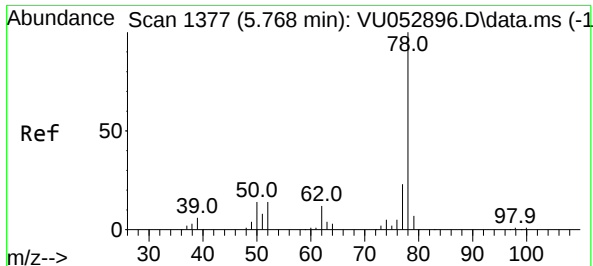
Ion Ratio Lower Upper

96 100

61 123.4 84.1 156.1

68 0.0 0.0 0.0

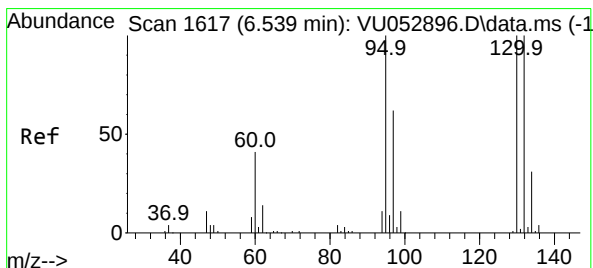
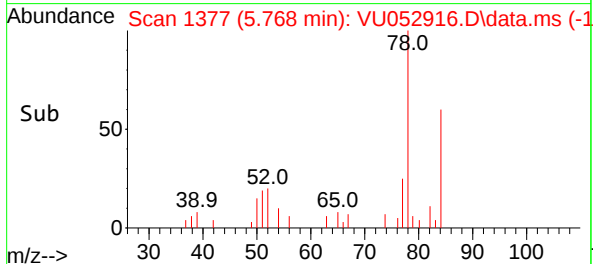
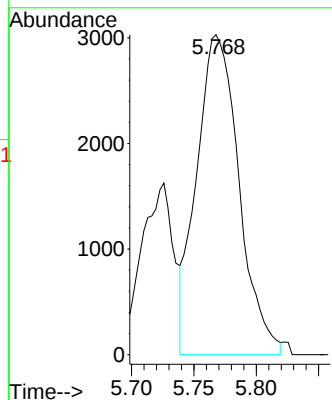
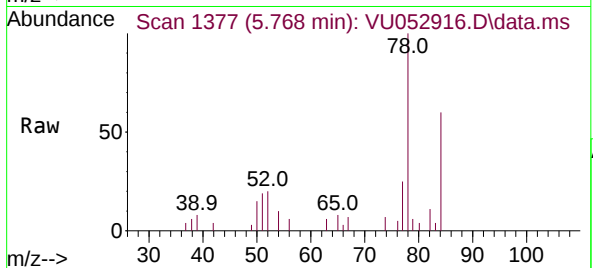




#33
Benzene
Concen: 0.931 ug/L
RT: 5.768 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052916.D
Acq: 01 Feb 2023 19:26

Instrument :
MSVOA_U
ClientSampleId :
A44N2

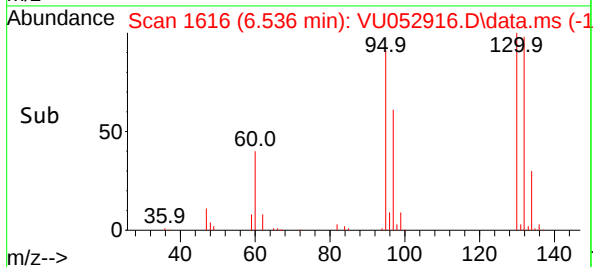
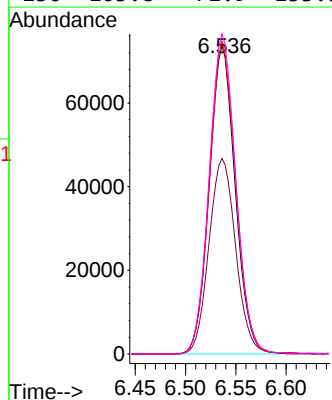
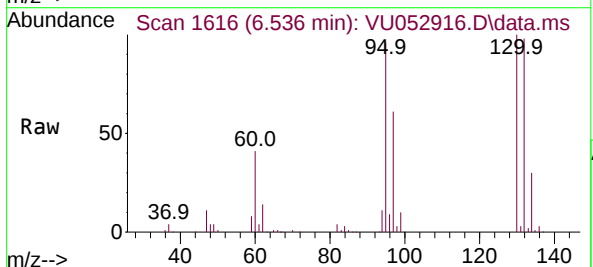
Tgt Ion: 78 Resp: 7145

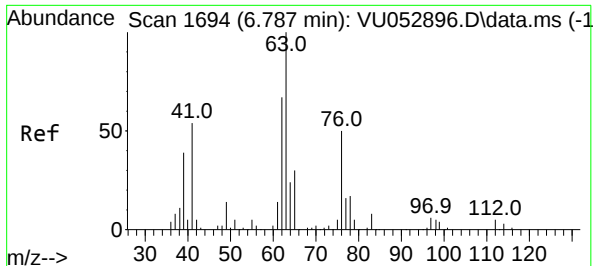


#34
Trichloroethene
Concen: 67.891 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052916.D
Acq: 01 Feb 2023 19:26

Tgt Ion: 95 Resp: 132360

Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.5	82.7
132	101.4	66.8	124.0
130	103.8	71.9	133.5





#37

1,2-Dichloropropane

Concen: 6.134 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU052916.D

Acq: 01 Feb 2023 19:26

Instrument :

MSVOA_U

ClientSampleId :

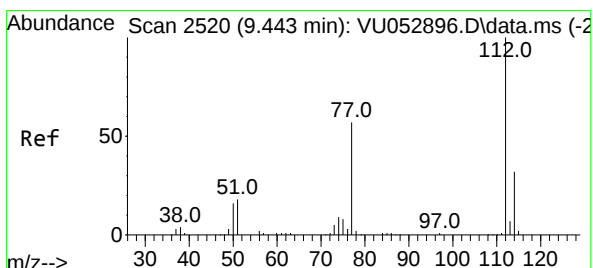
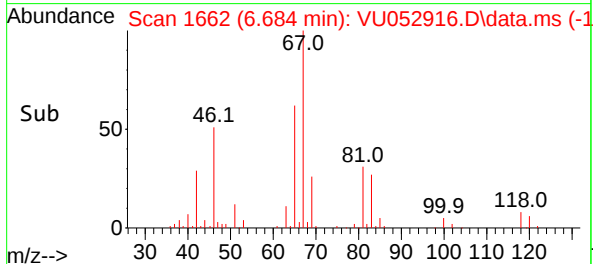
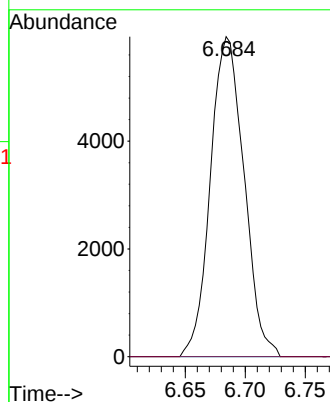
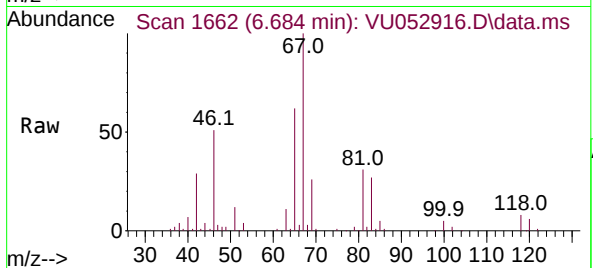
A44N2

Tgt Ion: 63 Resp: 11567

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#51

Chlorobenzene

Concen: 40.792 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052916.D

Acq: 01 Feb 2023 19:26

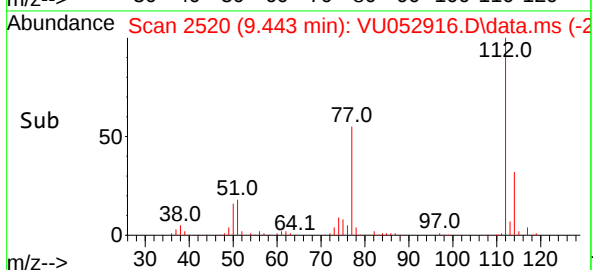
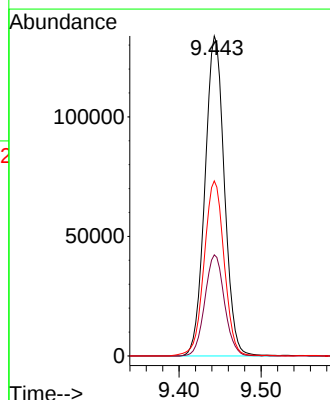
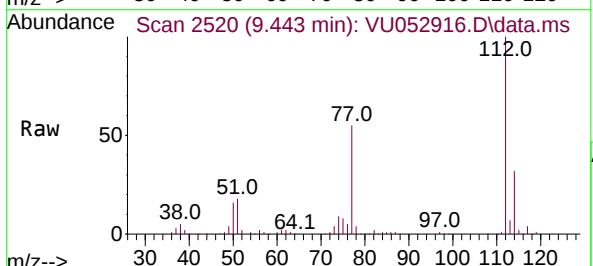
Tgt Ion: 112 Resp: 220624

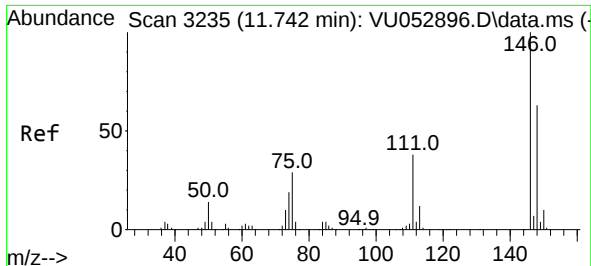
Ion Ratio Lower Upper

112 100

114 31.6 22.8 42.4

77 54.7 45.9 68.9

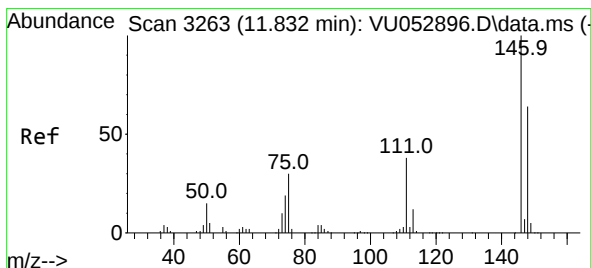
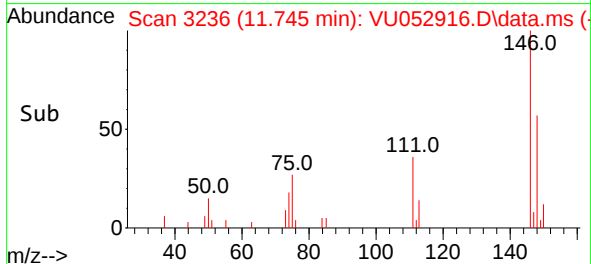
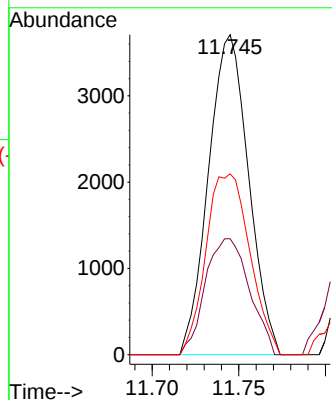
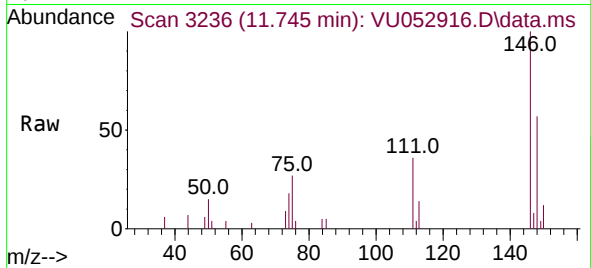




#64
1,3-Dichlorobenzene
Concen: 1.710 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU052916.D
Acq: 01 Feb 2023 19:26

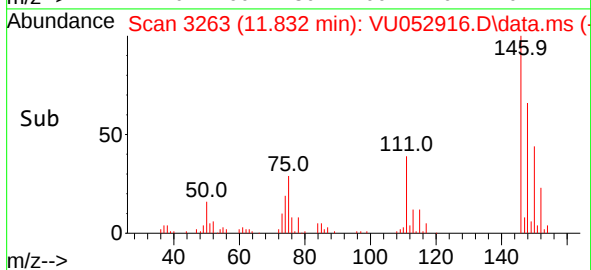
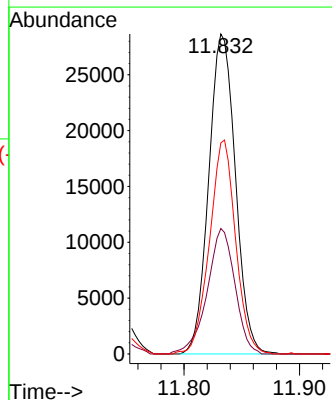
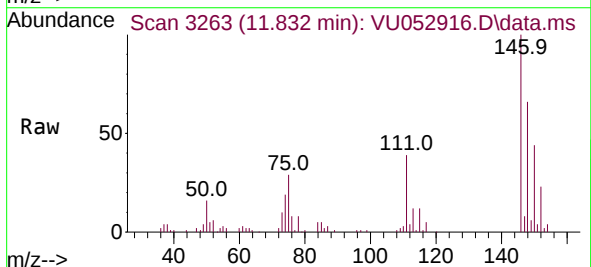
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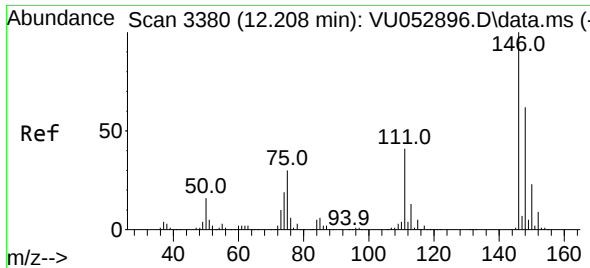
Tgt Ion:146 Resp: 5967
Ion Ratio Lower Upper
146 100
111 36.2 27.8 51.6
148 56.5 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 12.746 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052916.D
Acq: 01 Feb 2023 19:26

Tgt Ion:146 Resp: 46040
Ion Ratio Lower Upper
146 100
111 39.2 26.7 49.7
148 65.9 45.6 84.6

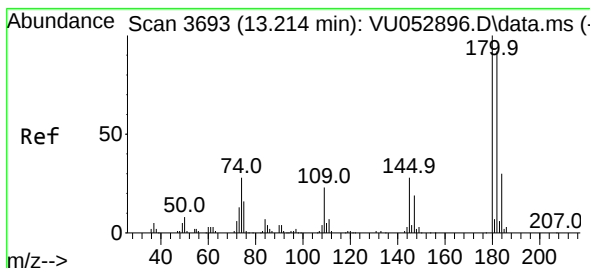
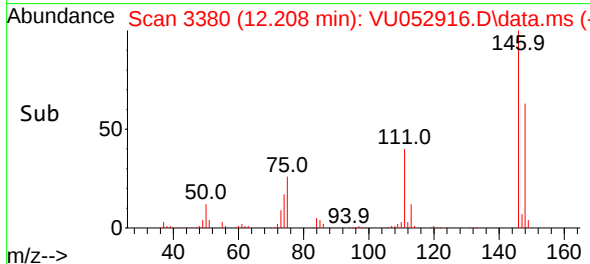
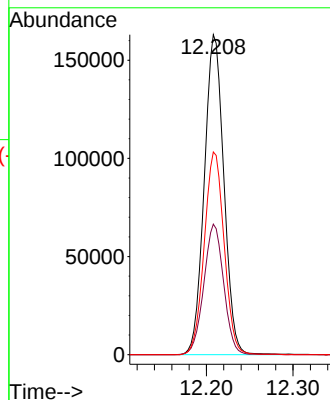
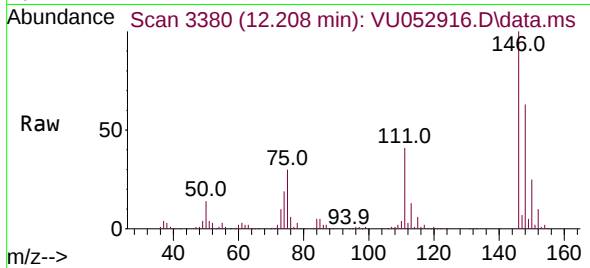




#67
1,2-Dichlorobenzene
Concen: 72.485 ug/L
RT: 12.208 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052916.D
Acq: 01 Feb 2023 19:26

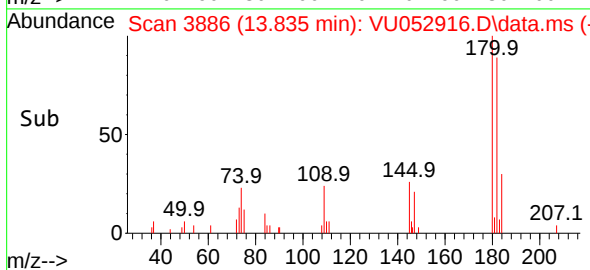
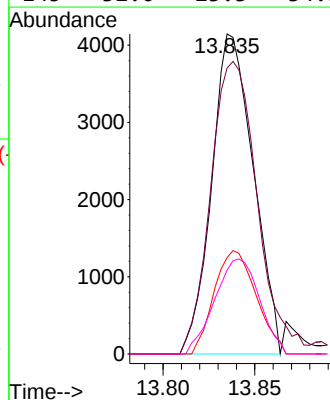
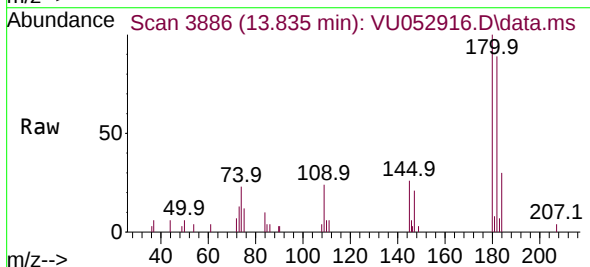
Instrument :
MSVOA_U
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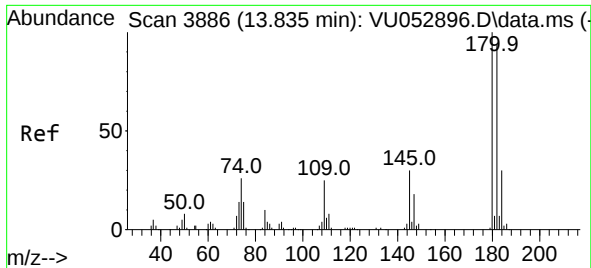
Tgt Ion:146 Resp: 255817
Ion Ratio Lower Upper
146 100
111 40.8 33.2 49.8
148 63.3 50.2 75.4



#69
1,3,5-Trichlorobenzene
Concen: 2.528 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.621 min
Lab File: VU052916.D
Acq: 01 Feb 2023 19:26

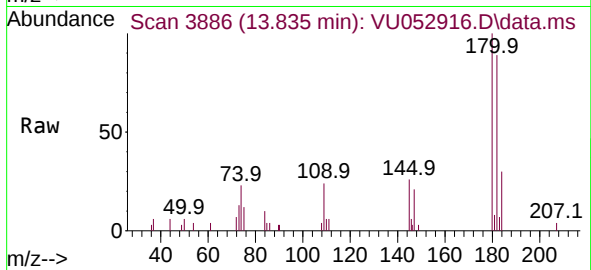
Tgt Ion:180 Resp: 6531
Ion Ratio Lower Upper
180 100
182 102.3 77.0 115.6
184 32.6 24.4 36.6
145 32.0 23.3 34.9





#70
 1,2,4-trichlorobenzene
 Concen: 3.016 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU052916.D
 Acq: 01 Feb 2023 19:26

Instrument :
 MSVOA_U
 ClientSampleId :
 A44N2



Tgt Ion:	180	Resp:	6531
Ion	Ratio	Lower	Upper
180	100		
182	102.3	78.2	117.2
145	32.0	23.4	35.2

