

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020323\
 Data File : VU052942.D
 Acq On : 03 Feb 2023 14:00
 Operator : JC/MD
 Sample : 01381-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44N3

Quant Time: Feb 03 23:46:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 23:44:08 2023
 Response via : Initial Calibration

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

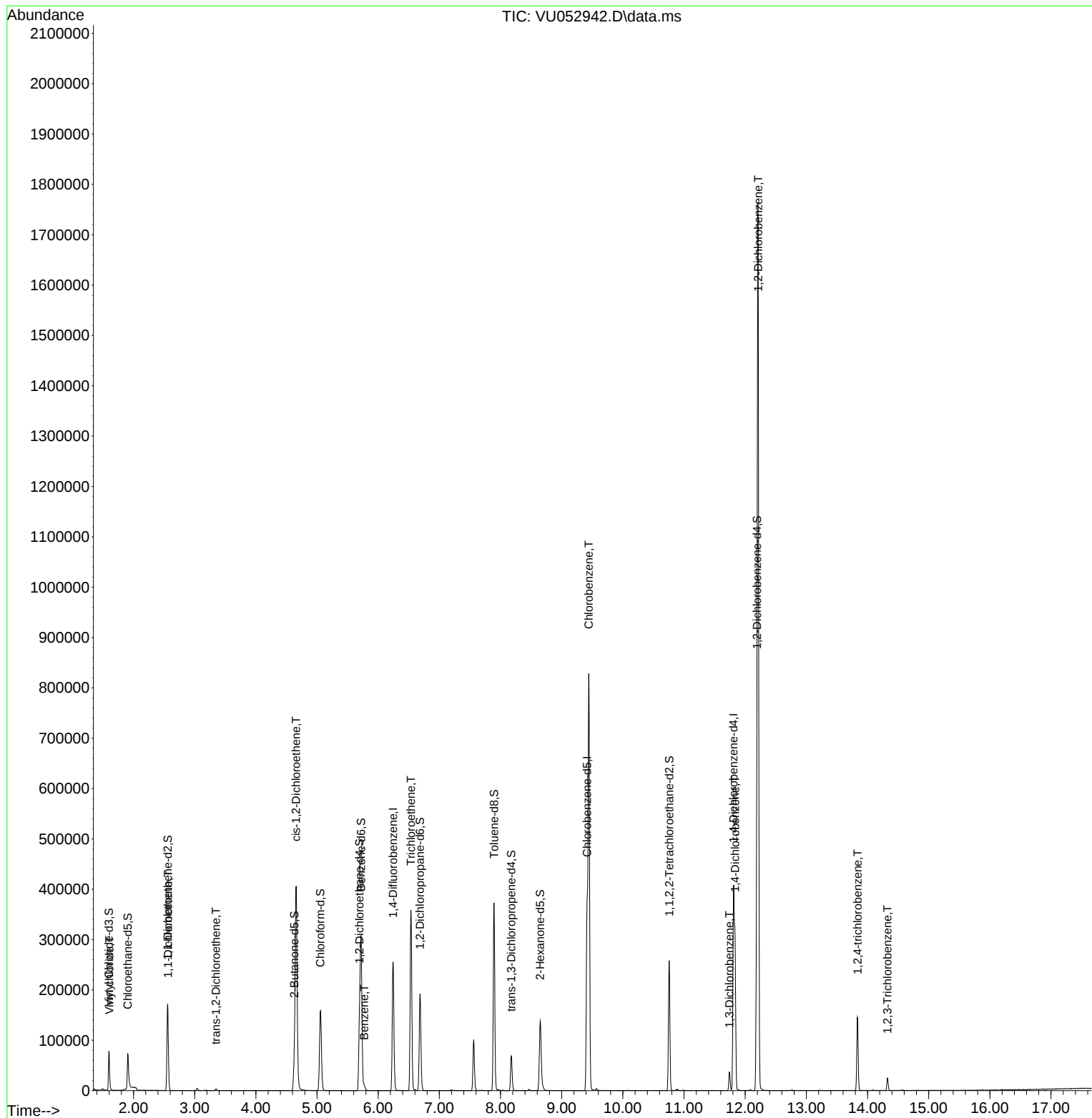
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	212318	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	208692	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	105875	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	60735	39.744	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.480%		
7) Chloroethane-d5	1.906	69	59630	47.356	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.720%		
11) 1,1-Dichloroethene-d2	2.559	63	98756	32.491	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.980%		
21) 2-Butanone-d5	4.629	46	73968	78.353	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	78.350%		
24) Chloroform-d	5.054	84	152086	46.632	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.260%		
26) 1,2-Dichloroethane-d4	5.694	65	102253	49.102	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.200%		
32) Benzene-d6	5.719	84	283165	44.412	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.820%		
36) 1,2-Dichloropropane-d6	6.684	67	86605	46.314	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.620%		
41) Toluene-d8	7.893	98	244609	42.132	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.260%		
43) trans-1,3-Dichloroprop...	8.176	79	40702	43.427	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.860%		
47) 2-Hexanone-d5	8.645	63	53728	81.772	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery =	81.770%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	122203	44.231	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.460%		
66) 1,2-Dichlorobenzene-d4	12.192	152	107543	52.312	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.620%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	3328	1.835	ug/L #	72
12) 1,1-Dichloroethene	2.565	96	2093	1.333	ug/L #	1
17) trans-1,2-Dichloroethene	3.346	96	1512	0.891	ug/L	92
20) cis-1,2-Dichloroethene	4.658	96	215532	118.932	ug/L	98
33) Benzene	5.771	78	9886	1.392	ug/L	100
34) Trichloroethene	6.536	95	121938	67.533	ug/L	99
51) Chlorobenzene	9.443	112	453265	90.490	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	15873	4.601	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	120555	33.755	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	676520	193.873	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	48104	22.465	ug/L	96
72) 1,2,3-Trichlorobenzene	14.327	180	9233	4.080	ug/L	92

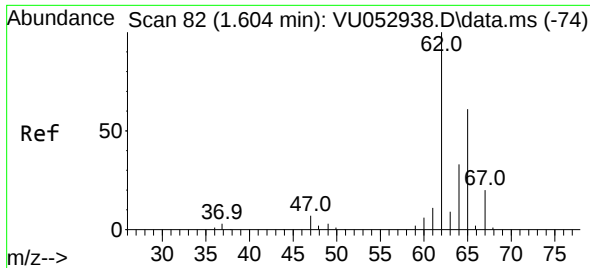
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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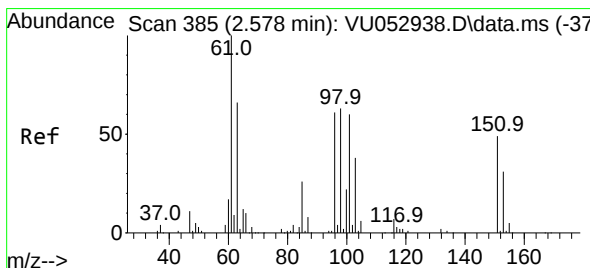
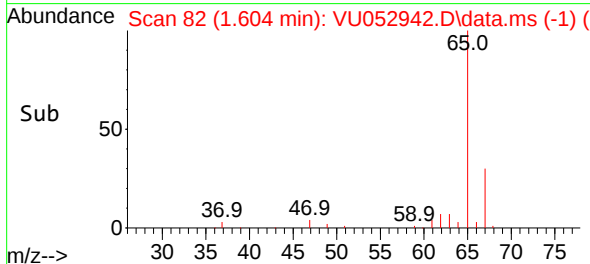
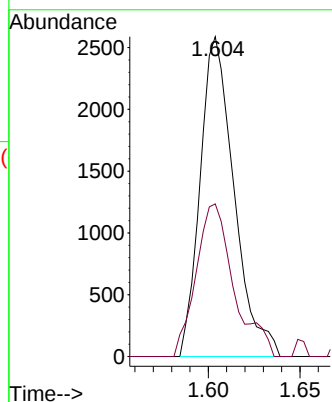
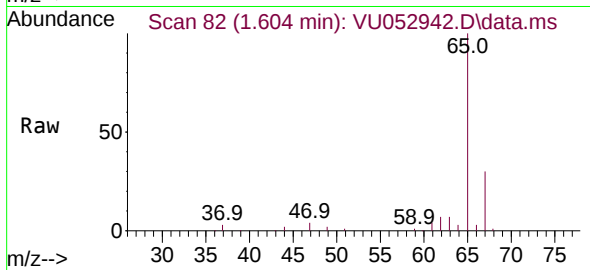




#5
 Vinyl chloride
 Concen: 1.835 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052942.D
 Acq: 03 Feb 2023 14:00

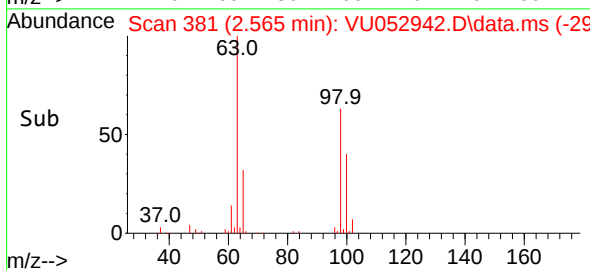
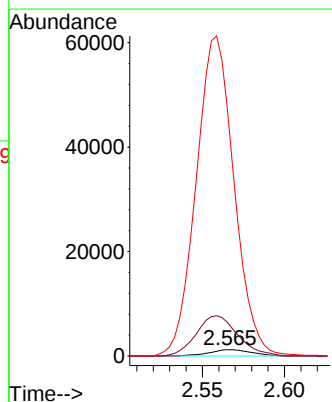
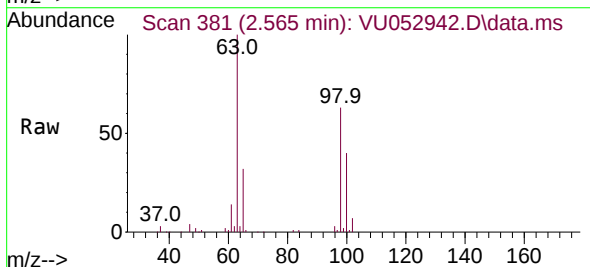
Instrument :
 MSVOA_U
 ClientSampleId :
 A44N3

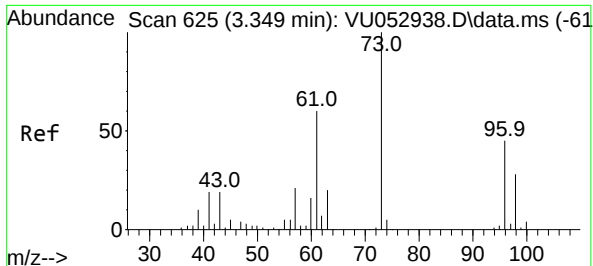
Tgt Ion: 62 Resp: 3328
 Ion Ratio Lower Upper
 62 100
 64 47.7 22.4 41.6#



#12
 1,1-Dichloroethene
 Concen: 1.333 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.013 min
 Lab File: VU052942.D
 Acq: 03 Feb 2023 14:00

Tgt Ion: 96 Resp: 2093
 Ion Ratio Lower Upper
 96 100
 61 539.9 114.3 212.3#
 63 3984.6 80.6 149.6#





#17

trans-1,2-Dichloroethene

Concen: 0.891 ug/L

RT: 3.346 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU052942.D

Acq: 03 Feb 2023 14:00

Instrument :

MSVOA_U

ClientSampleId :

A44N3

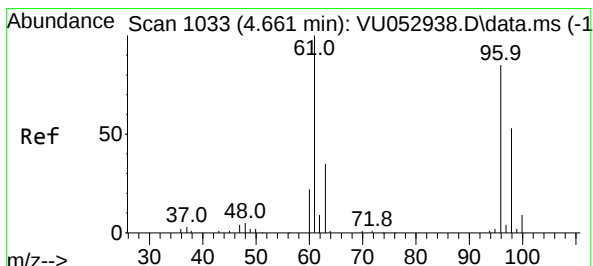
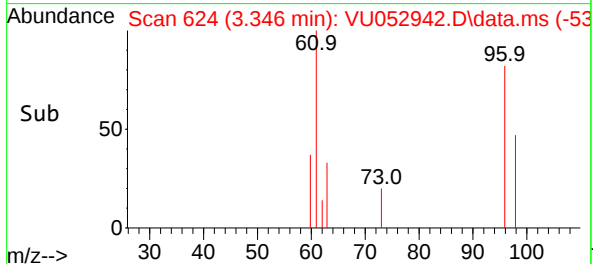
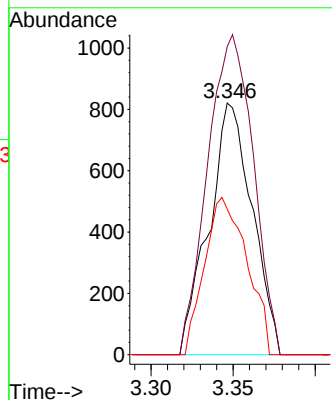
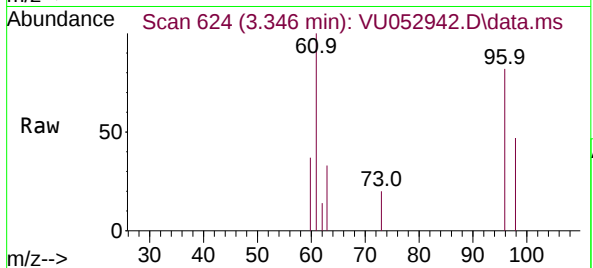
Tgt Ion: 96 Resp: 1512

Ion Ratio Lower Upper

96 100

61 122.4 92.7 172.3

98 57.9 44.7 82.9



#20

cis-1,2-Dichloroethene

Concen: 118.932 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU052942.D

Acq: 03 Feb 2023 14:00

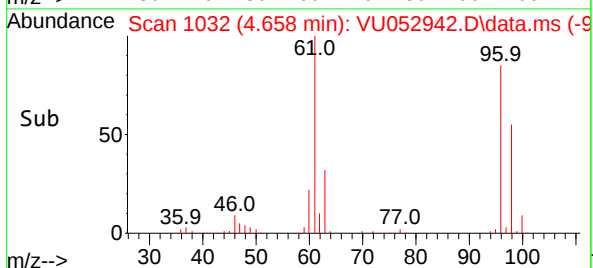
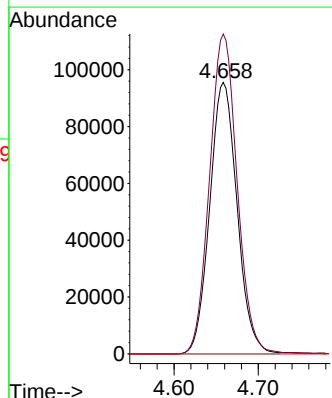
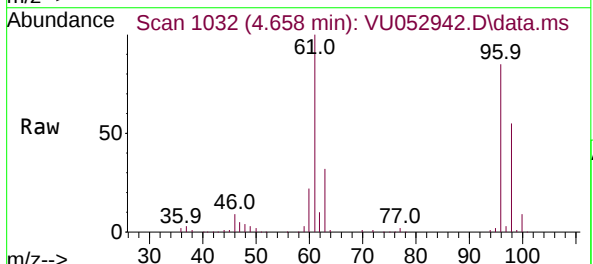
Tgt Ion: 96 Resp: 215532

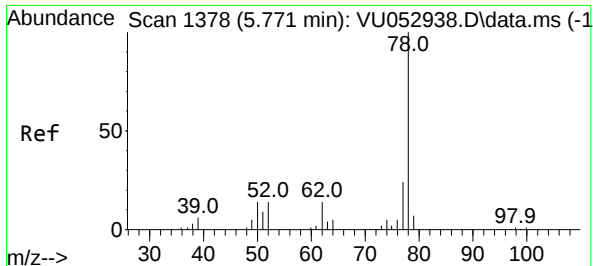
Ion Ratio Lower Upper

96 100

61 117.9 84.1 156.1

68 0.0 0.0 0.0

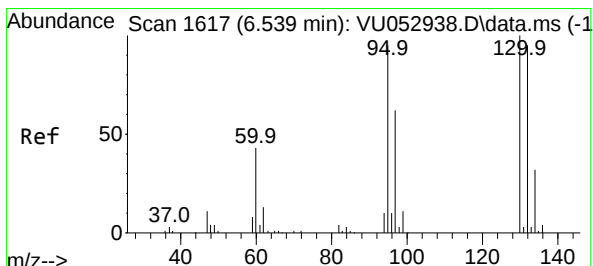
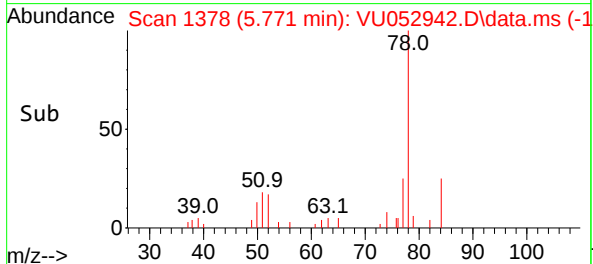
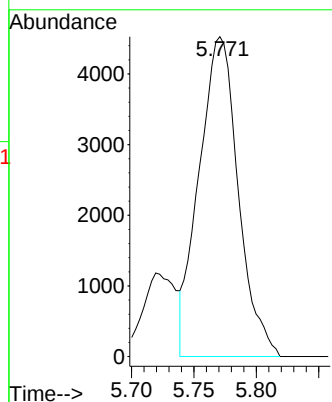
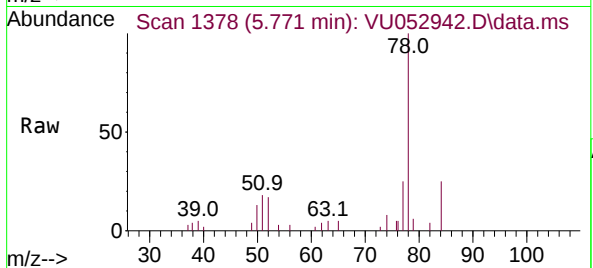




#33
Benzene
Concen: 1.392 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052942.D
Acq: 03 Feb 2023 14:00

Instrument :
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ClientSampleId :
A44N3

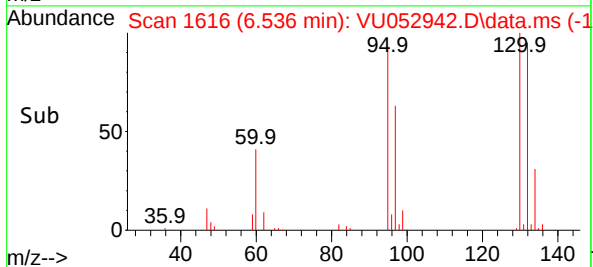
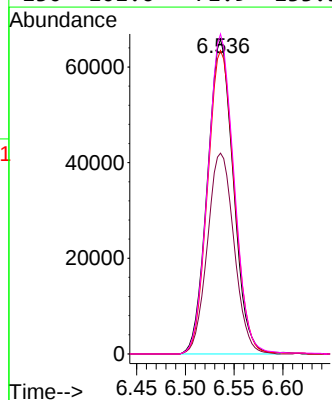
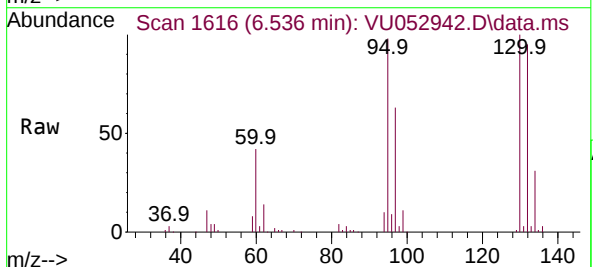
Tgt Ion: 78 Resp: 9886

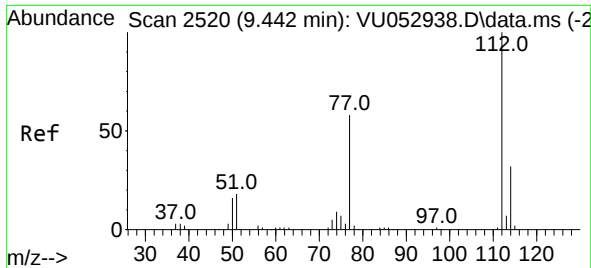


#34
Trichloroethene
Concen: 67.533 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052942.D
Acq: 03 Feb 2023 14:00

Tgt Ion: 95 Resp: 121938

Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.5	82.7
132	96.3	66.8	124.0
130	101.6	71.9	133.5

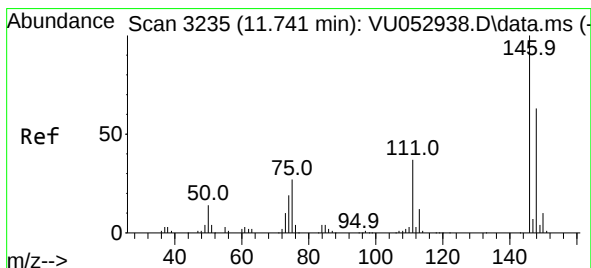
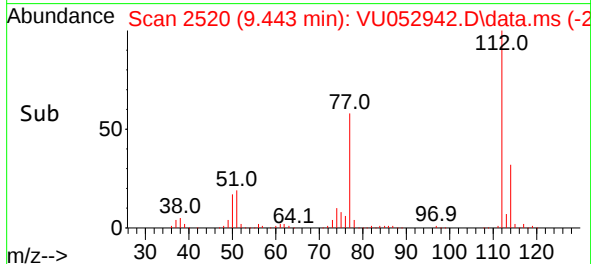
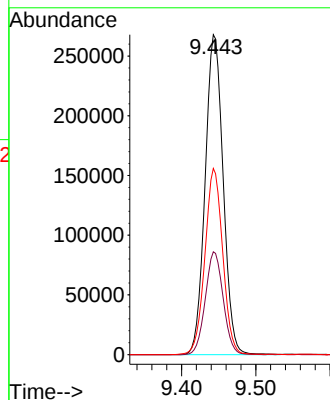
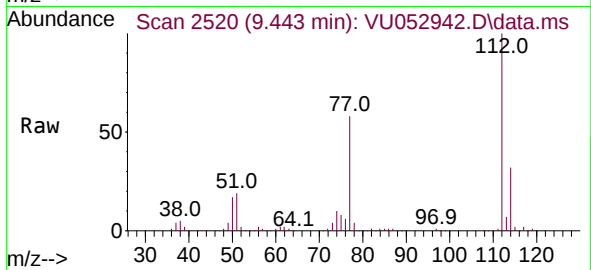




#51
Chlorobenzene
Concen: 90.490 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU052942.D
Acq: 03 Feb 2023 14:00

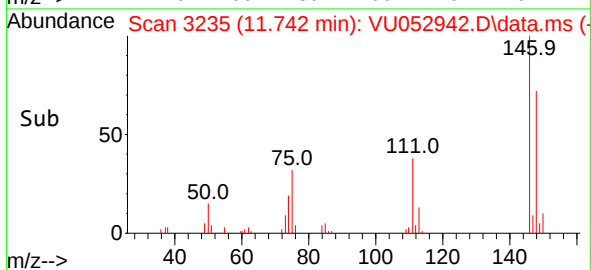
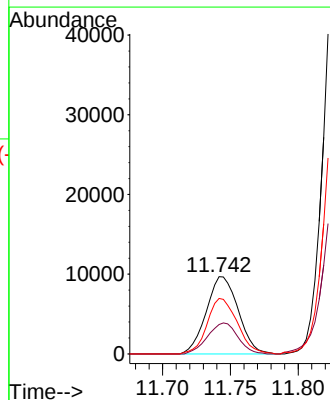
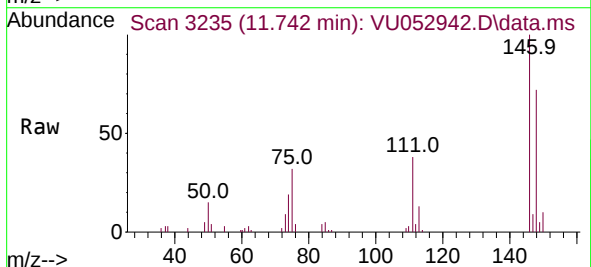
Instrument :
MSVOA_U
ClientSampleId :
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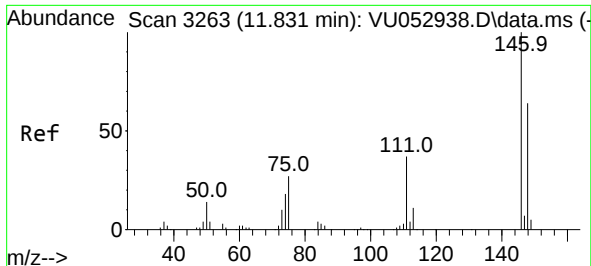
Tgt Ion:112 Resp: 453265
Ion Ratio Lower Upper
112 100
114 32.1 22.8 42.4
77 58.2 45.9 68.9



#64
1,3-Dichlorobenzene
Concen: 4.601 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU052942.D
Acq: 03 Feb 2023 14:00

Tgt Ion:146 Resp: 15873
Ion Ratio Lower Upper
146 100
111 38.0 27.8 51.6
148 71.9 45.5 84.5

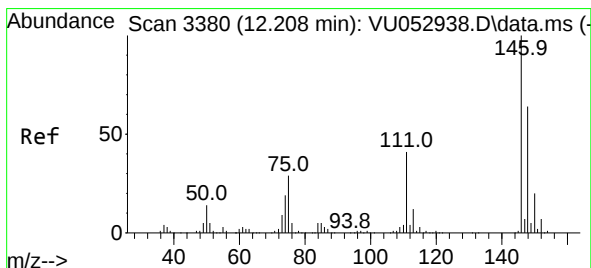
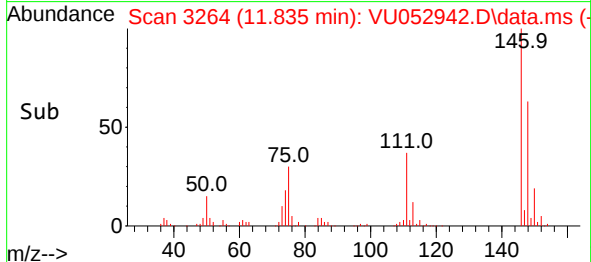
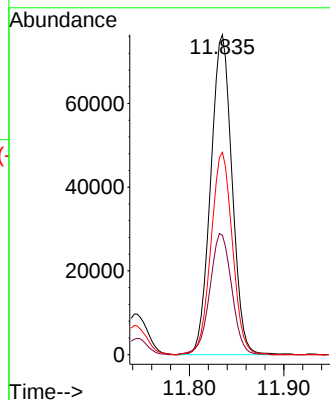
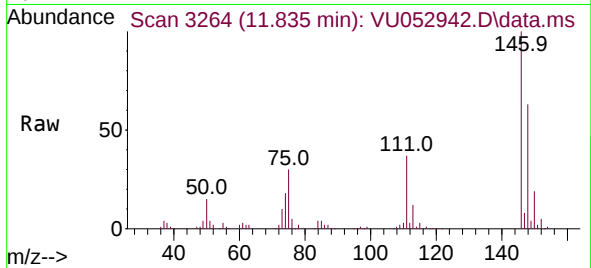




#65
1,4-Dichlorobenzene
Concen: 33.755 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU052942.D
Acq: 03 Feb 2023 14:00

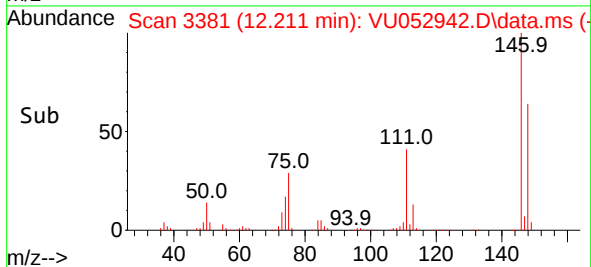
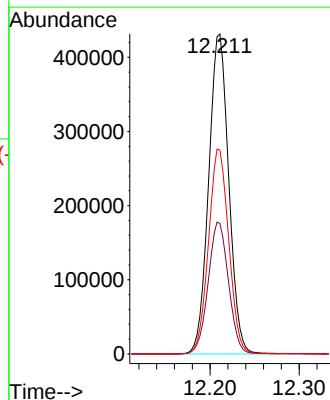
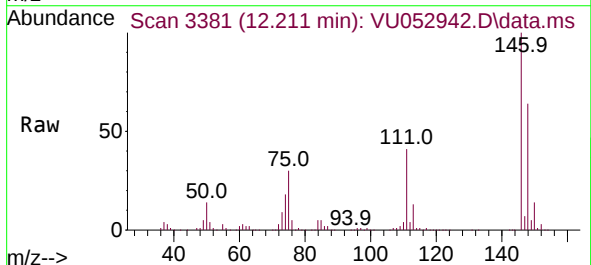
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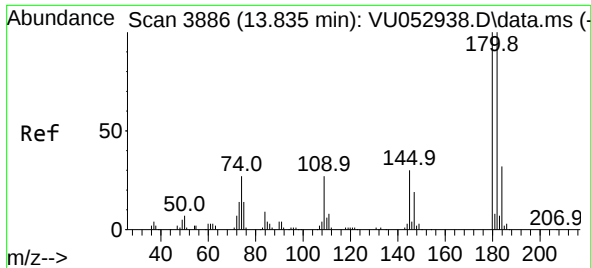
Tgt Ion:146 Resp: 120555
Ion Ratio Lower Upper
146 100
111 37.3 26.7 49.7
148 63.2 45.6 84.6



#67
1,2-Dichlorobenzene
Concen: 193.873 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU052942.D
Acq: 03 Feb 2023 14:00

Tgt Ion:146 Resp: 676520
Ion Ratio Lower Upper
146 100
111 40.8 33.2 49.8
148 63.7 50.2 75.4

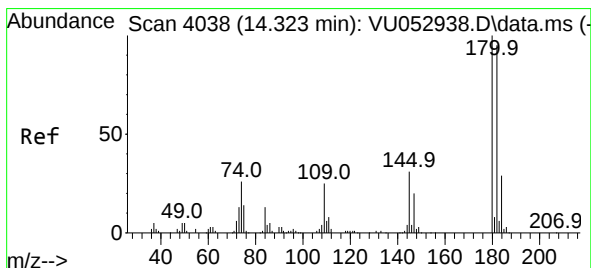
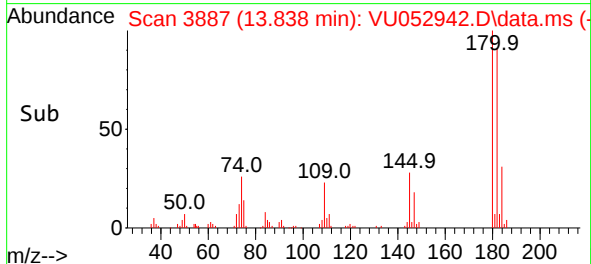
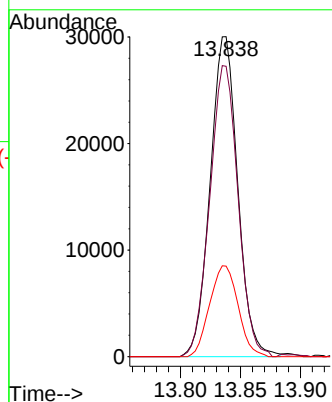
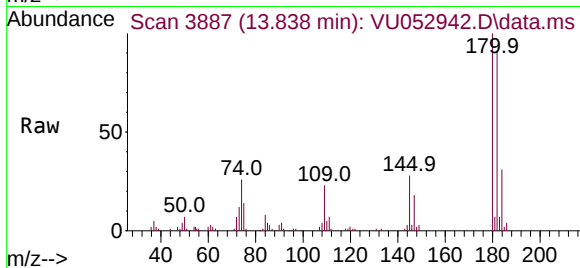




#70
1,2,4-trichlorobenzene
Concen: 22.465 ug/L
RT: 13.838 min Scan# 3886
Delta R.T. 0.003 min
Lab File: VU052942.D
Acq: 03 Feb 2023 14:00

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:180 Resp: 48104
Ion Ratio Lower Upper
180 100
182 93.0 78.2 117.2
145 29.2 23.4 35.2



#72
1,2,3-Trichlorobenzene
Concen: 4.080 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU052942.D
Acq: 03 Feb 2023 14:00

Tgt Ion:180 Resp: 9233
Ion Ratio Lower Upper
180 100
182 88.1 77.5 116.3
145 27.0 24.2 36.4

