

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040922\
 Data File : VU047891.D
 Acq On : 09 Apr 2022 00:43
 Operator : SY/MD
 Sample : N2345-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J81

Quant Time: Apr 09 02:10:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 09 01:58:44 2022
 Response via : Initial Calibration

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

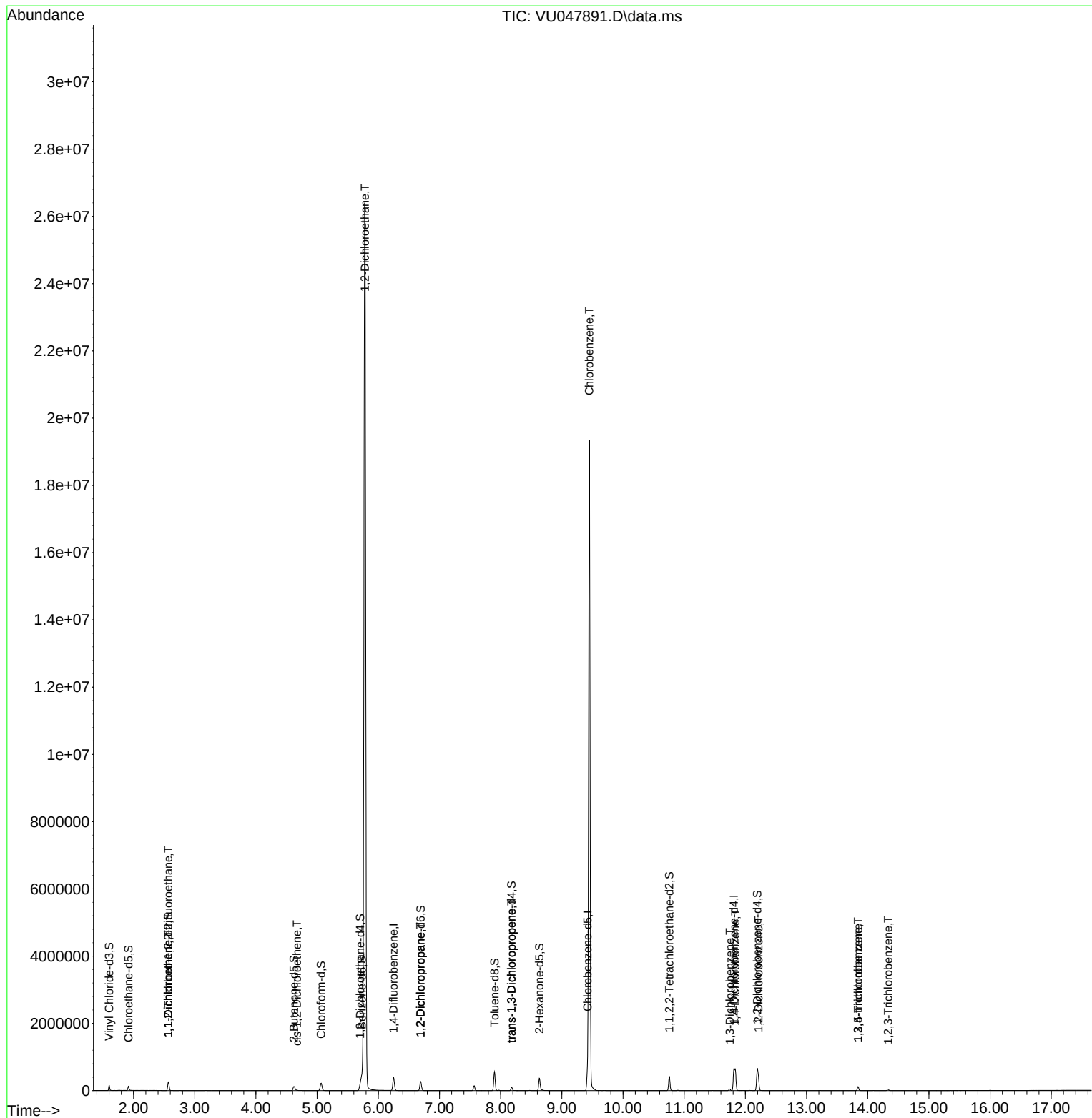
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	326532	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	329285	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	175100	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	112872	47.668	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.340%		
7) Chloroethane-d5	1.916	69	96093	51.467	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	102.940%		
11) 1,1-Dichloroethene-d2	2.568	63	148154	34.198	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.400%		
21) 2-Butanone-d5	4.620	46	178653	87.902	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.900%		
24) Chloroform-d	5.067	84	205115	47.342	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.680%		
26) 1,2-Dichloroethane-d4	5.703	65	133445	50.219	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.440%		
32) Benzene-d6	5.732	84	423874	51.157	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.320%		
36) 1,2-Dichloropropane-d6	6.694	67	131481	51.670	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.340%		
41) Toluene-d8	7.899	98	377422	46.753	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.500%		
43) trans-1,3-Dichloroprop...	8.179	79	56564	43.877	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.760%		
47) 2-Hexanone-d5	8.633	63	131672	88.393	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.390%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	201396	46.118	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.240%		
66) 1,2-Dichlorobenzene-d4	12.195	152	162513	52.168	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.340%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1614	0.671	ug/L #	18
12) 1,1-Dichloroethene	2.568	96	1281	0.572	ug/L #	1
20) cis-1,2-Dichloroethene	4.671	96	1614	0.609	ug/L	92
27) 1,2-Dichloroethane	5.781	62	208705	60.219	ug/L #	75
37) 1,2-Dichloropropane	6.690	63	13943	5.754	ug/L #	87
44) trans-1,3-Dichloropropene	8.179	75	2478	0.660	ug/L #	77
51) Chlorobenzene	9.449	112	10402374	1464.936	ug/L	96
64) 1,3-Dichlorobenzene	11.748	146	19167	3.644	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	248348	45.584	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	138974	26.406	ug/L	99
69) 1,3,5-Trichlorobenzene	13.841	180	40364	9.449	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	40364	10.788	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	16620	4.431	ug/L	99

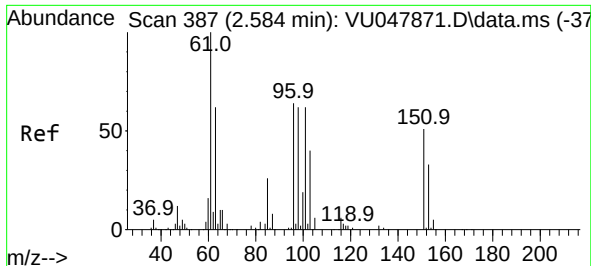
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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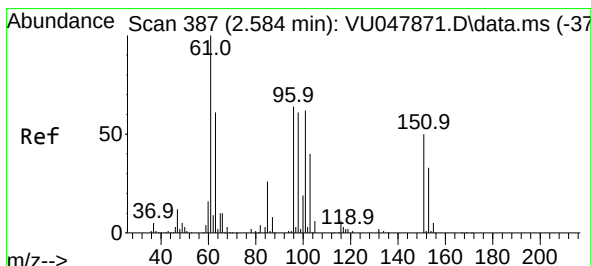
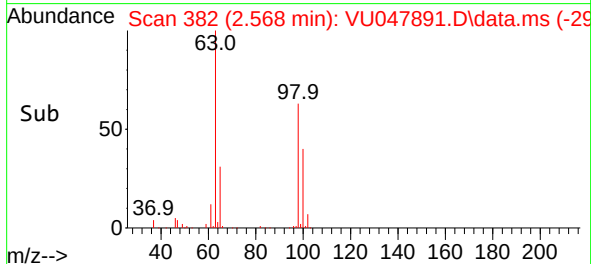
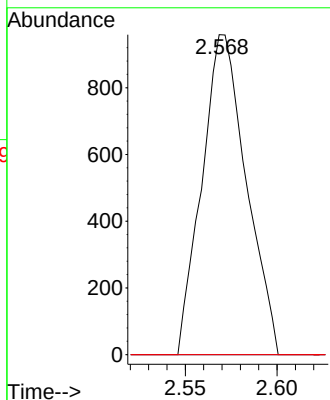
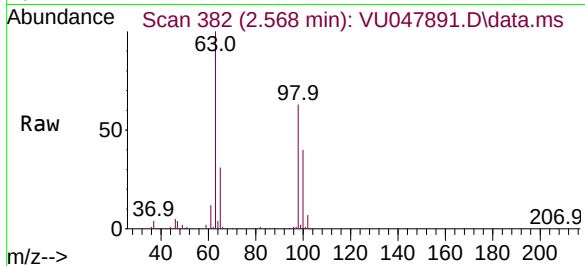




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.671 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.016 min
 Lab File: VU047891.D
 Acq: 09 Apr 2022 00:43

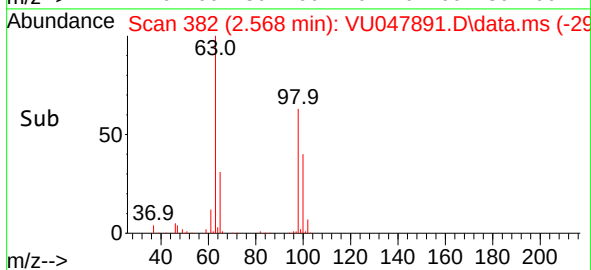
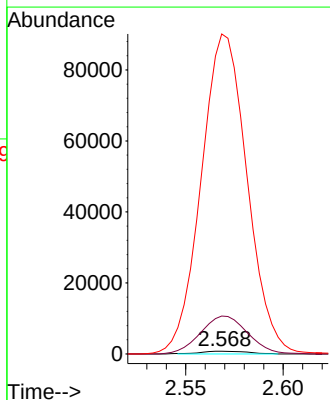
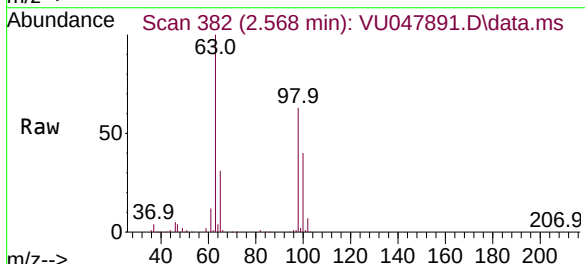
Instrument :
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 ClientSampleId :
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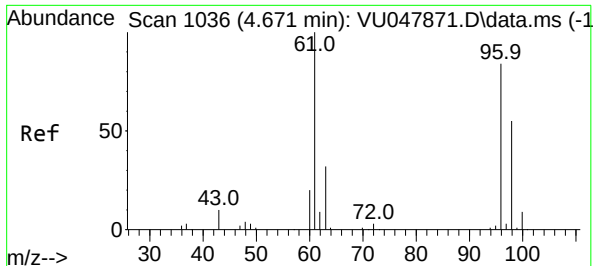
Tgt Ion:101 Resp: 1614
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#



#12
 1,1-Dichloroethene
 Concen: 0.572 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.016 min
 Lab File: VU047891.D
 Acq: 09 Apr 2022 00:43

Tgt Ion: 96 Resp: 1281
 Ion Ratio Lower Upper
 96 100
 61 1364.1 113.1 210.1#
 63 11525.3 94.8 176.0#

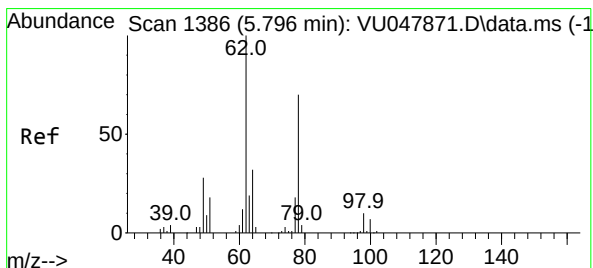
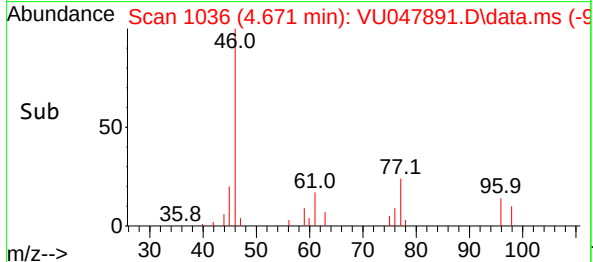
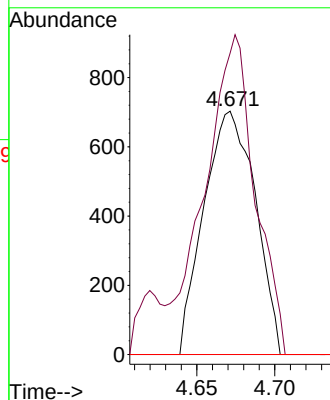
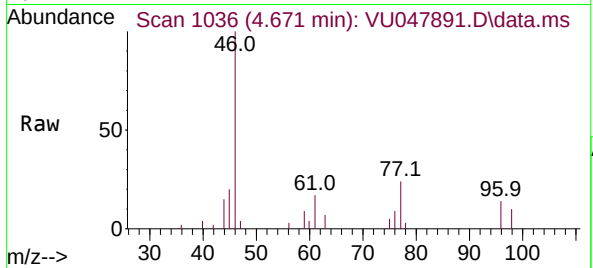




#20
 cis-1,2-Dichloroethene
 Concen: 0.609 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU047891.D
 Acq: 09 Apr 2022 00:43

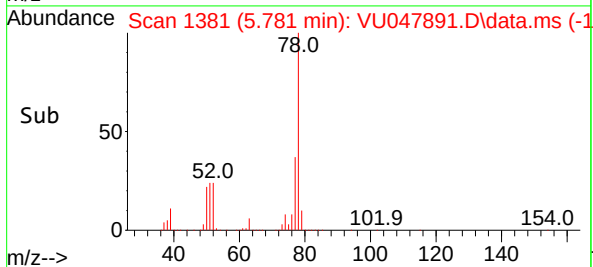
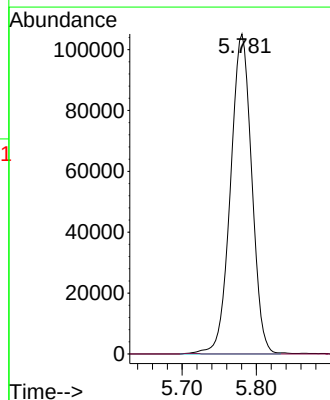
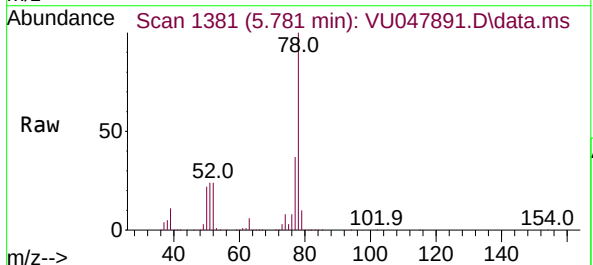
Instrument :
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 ClientSampleId :
 C0J81

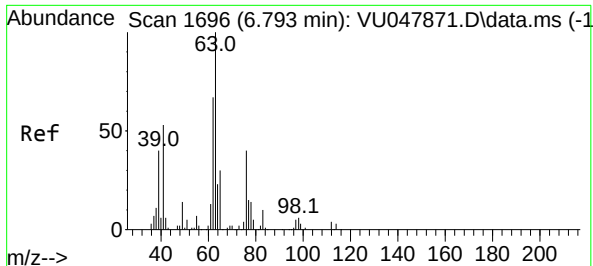
Tgt Ion: 96 Resp: 1614
 Ion Ratio Lower Upper
 96 100
 61 123.9 80.7 149.9
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 60.219 ug/L
 RT: 5.781 min Scan# 1381
 Delta R.T. -0.016 min
 Lab File: VU047891.D
 Acq: 09 Apr 2022 00:43

Tgt Ion: 62 Resp: 208705
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.0#





#37

1,2-Dichloropropane

Concen: 5.754 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU047891.D

Acq: 09 Apr 2022 00:43

Instrument :

MSVOA_U

ClientSampleId :

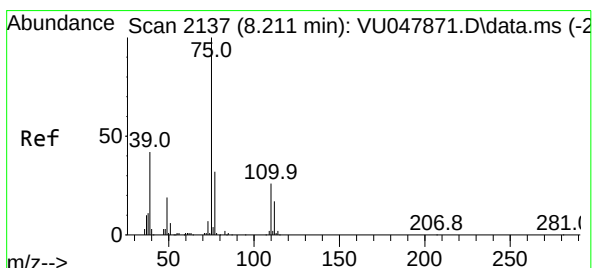
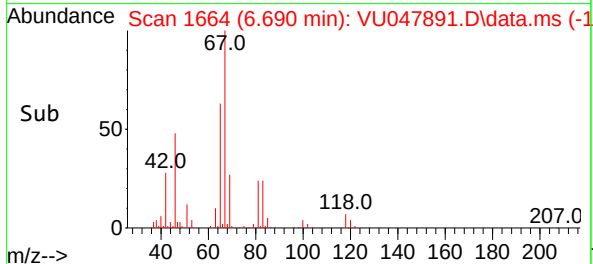
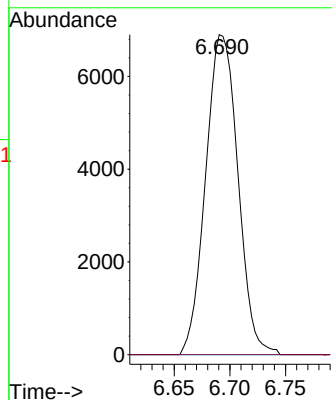
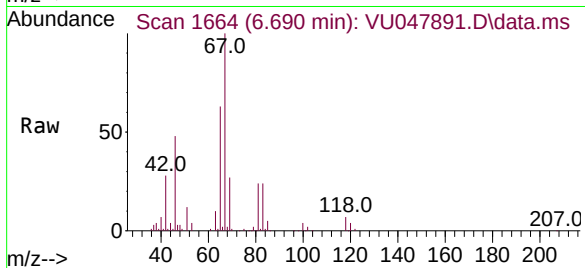
C0J81

Tgt Ion: 63 Resp: 13943

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#44

trans-1,3-Dichloropropene

Concen: 0.660 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU047891.D

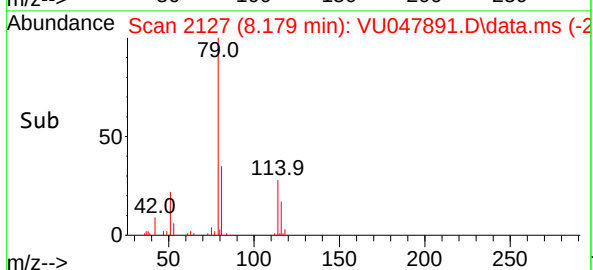
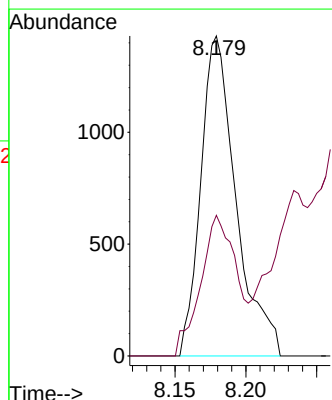
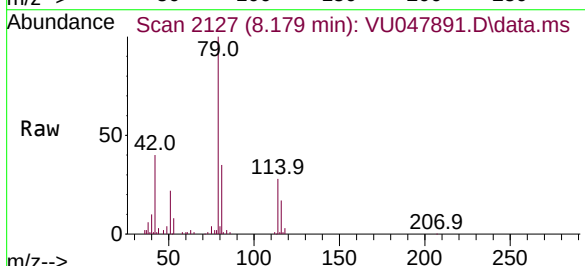
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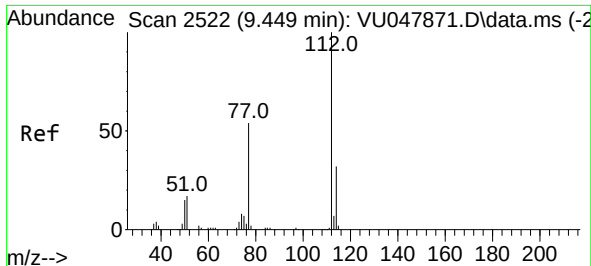
Tgt Ion: 75 Resp: 2478

Ion Ratio Lower Upper

75 100

77 44.0 22.0 40.8#

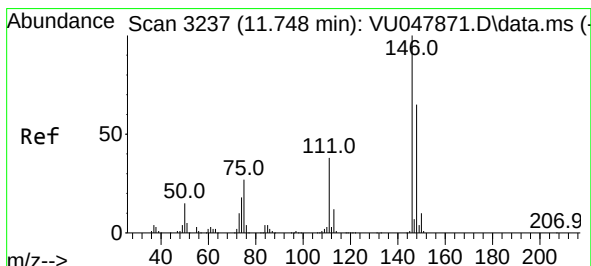
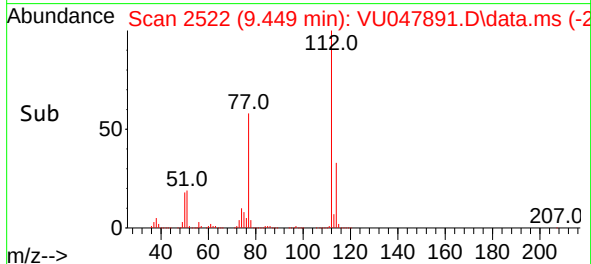
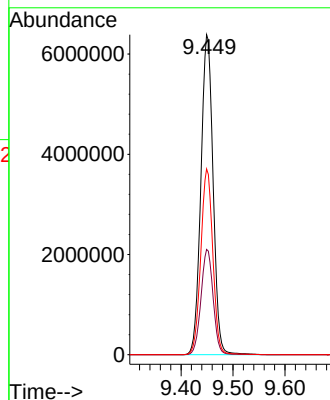
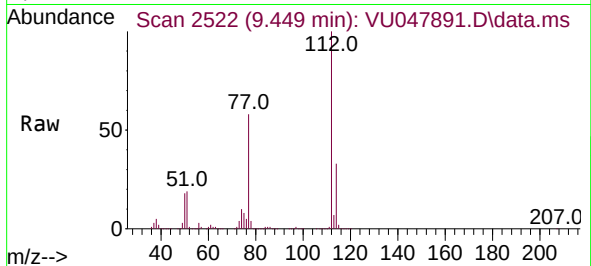




#51
Chlorobenzene
Concen: 1464.936 ug/L
RT: 9.449 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047891.D
Acq: 09 Apr 2022 00:43

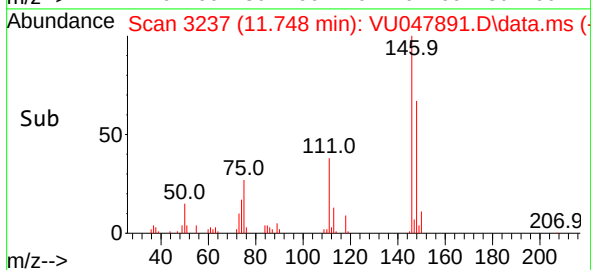
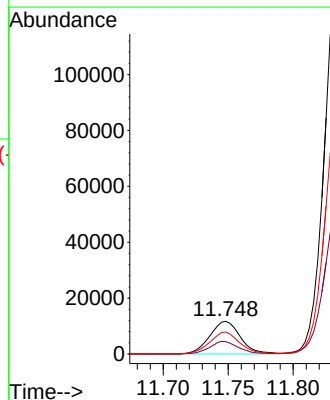
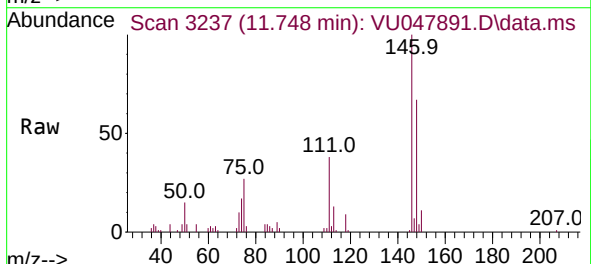
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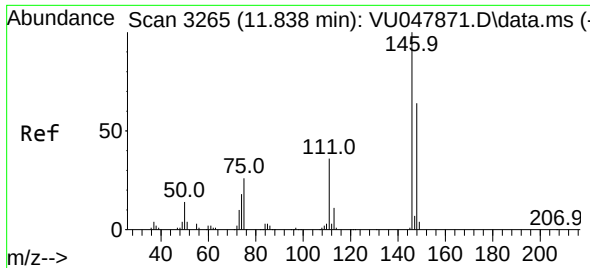
Tgt Ion:112 Resp:10402374
Ion Ratio Lower Upper
112 100
114 32.9 22.1 41.1
77 58.1 43.4 65.0



#64
1,3-Dichlorobenzene
Concen: 3.644 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU047891.D
Acq: 09 Apr 2022 00:43

Tgt Ion:146 Resp: 19167
Ion Ratio Lower Upper
146 100
111 37.8 26.7 49.7
148 67.0 44.4 82.5

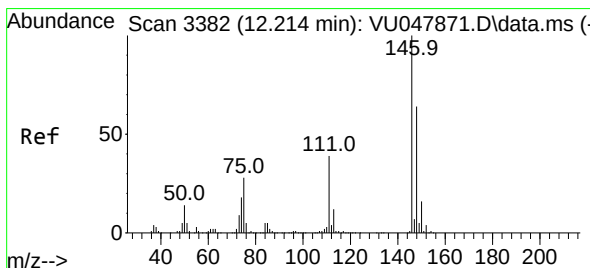
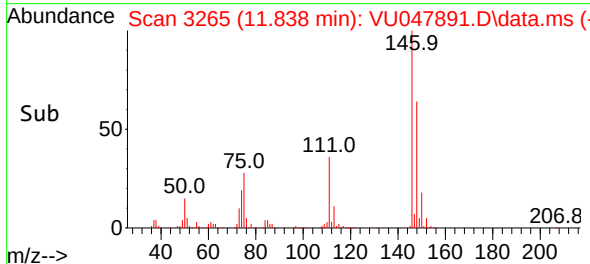
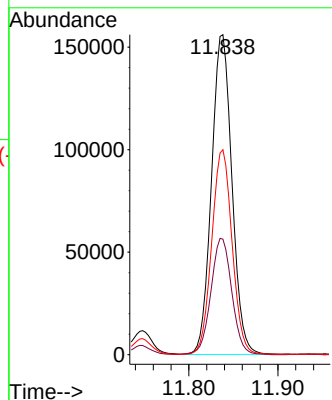
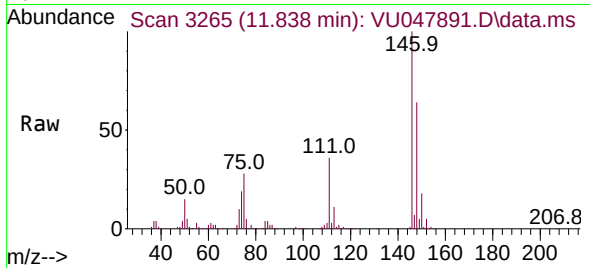




#65
1,4-Dichlorobenzene
Concen: 45.584 ug/L
RT: 11.838 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU047891.D
Acq: 09 Apr 2022 00:43

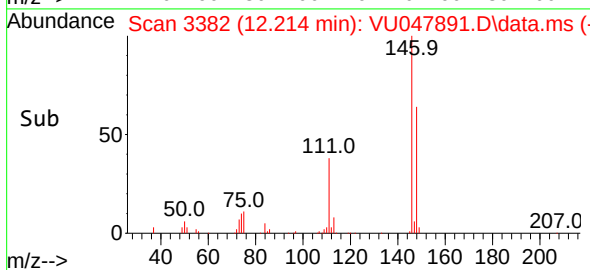
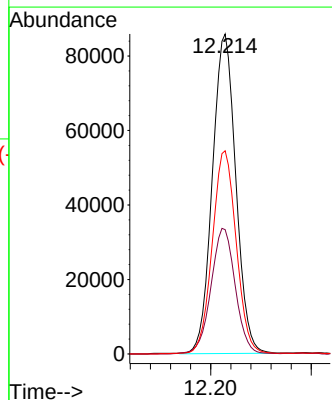
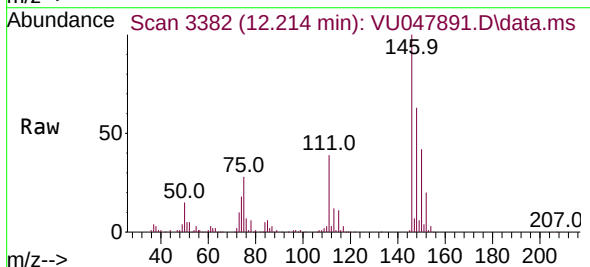
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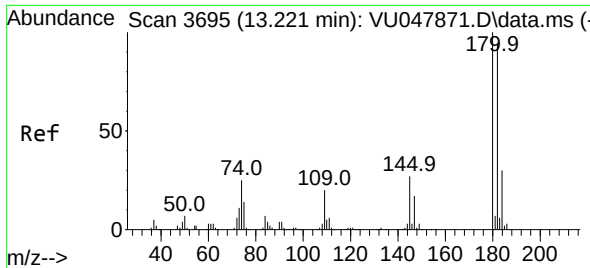
Tgt Ion:146 Resp: 248348
Ion Ratio Lower Upper
146 100
111 36.1 25.3 47.1
148 64.1 44.5 82.7



#67
1,2-Dichlorobenzene
Concen: 26.406 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU047891.D
Acq: 09 Apr 2022 00:43

Tgt Ion:146 Resp: 138974
Ion Ratio Lower Upper
146 100
111 38.9 31.7 47.5
148 63.5 51.4 77.2

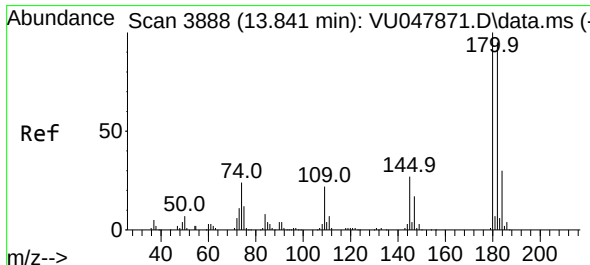
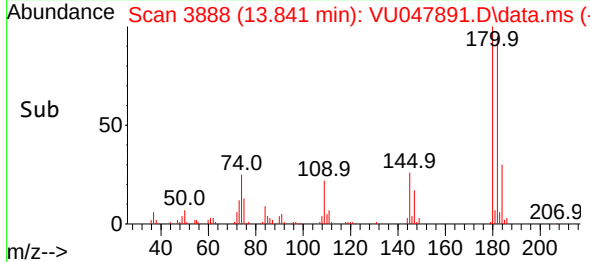
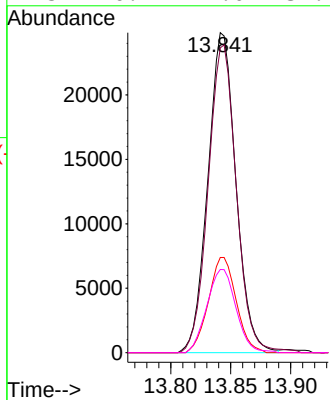
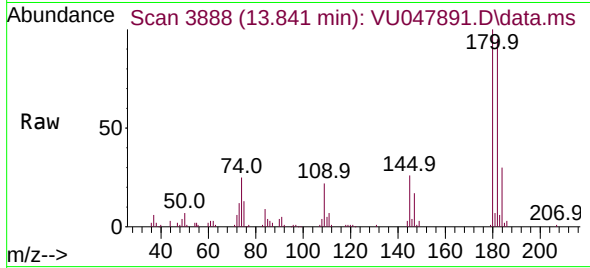




#69
 1,3,5-Trichlorobenzene
 Concen: 9.449 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.621 min
 Lab File: VU047891.D
 Acq: 09 Apr 2022 00:43

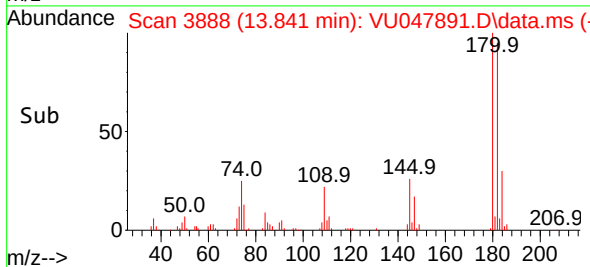
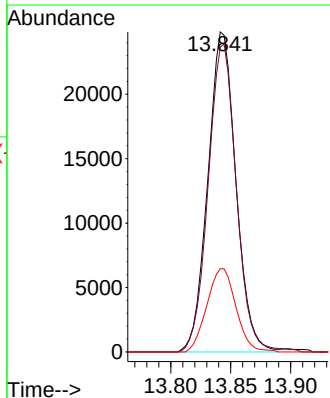
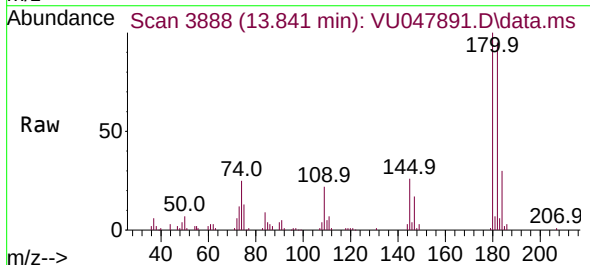
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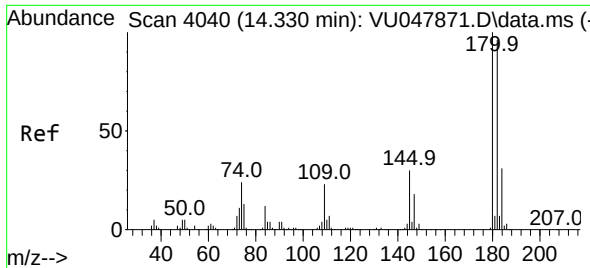
Tgt Ion:	180	Resp:	40364
Ion Ratio	Lower	Upper	
180	100		
182	96.5	77.0	115.6
184	29.4	24.5	36.7
145	26.9	21.0	31.6



#70
 1,2,4-trichlorobenzene
 Concen: 10.788 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU047891.D
 Acq: 09 Apr 2022 00:43

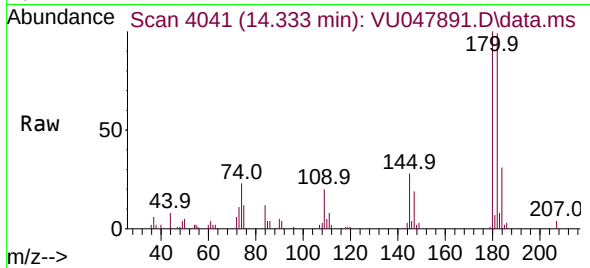
Tgt Ion:	180	Resp:	40364
Ion Ratio	Lower	Upper	
180	100		
182	96.5	76.2	114.2
145	26.9	21.8	32.8





#72
 1,2,3-Trichlorobenzene
 Concen: 4.431 ug/L
 RT: 14.333 min Scan# 4041
 Delta R.T. 0.003 min
 Lab File: VU047891.D
 Acq: 09 Apr 2022 00:43

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J81



Tgt Ion:	180	Resp:	16620
Ion Ratio	Lower	Upper	
180	100		
182	95.8	77.4	116.0
145	29.0	22.8	34.2

